



MINISTRY OF HUMAN RESOURCES

MASCO

Malaysia Standard
Classification of Occupations | 2013

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Classification of Occupations | 2013

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The tasks and responsibilities described in these classifications in the major group, sub-major group, minor group or unit group are not at all times and need not at all times be executed in full by all occupations listed under the respective groups.

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MESSAGE

THE MINISTER OF HUMAN RESOURCES

The passage of time and the rapid pace of technological changes are the challenges that drive change. The goal of becoming a developed and high income nation, which is the essence of the New Economic Model, requires the transformation of the country's employment structure. In this era of globalisation and liberalisation, the manpower needs of industries change very rapidly. The Ministry of Human Resources has the role of analysing current and future trends of industries to ensure that the workforce being produced is able to meet labour market needs in a systematic manner.

Thus, the publication of the Malaysia Standard Classification of Occupations (MASCO) 2013 is expected to serve as a dynamic, comprehensive, high quality and reliable platform for the dissemination of employment information to reflect the changes and development in the employment structure of the country. It has also been designed to be a reference to both the public and private sectors for planning organisational development strategies and to achieve the country's goal of becoming a developed nation by 2020.

The globalisation revolution and dynamism of information and communications technology have triggered a change in the information delivery system. Therefore, it is my hope that MASCO could be adapted to the MASCO system application in order to provide information about jobs and description of tasks in a more interactive and efficient manner. This would help increase the efficiency of labour market information and subsequently develop an inventory of human resources in the country.

I wish to convey my heartfelt appreciation and congratulations to everyone involved, whether directly or indirectly, in the publication of the Malaysia Standard Classification of Occupations (MASCO) 2013.

DATO' SRI RICHARD RIOT ANAK JAEM



FOREWORD

SECRETARY GENERAL OF THE MINISTRY
OF HUMAN RESOURCES

As a leader in human resources, the Ministry of Human Resources is responsible for updating and developing the Malaysia Standard Classification of Occupations (MASCO) 2013. MASCO, which serves as the national benchmark for the classification of occupations developed based on the International Standard Classification of Occupations (ISCO), reflects the current economic scenario and complexity of economic activities that transform work methods and processes, areas of specialisation, and the various tasks and skills in industries.

MASCO 2013 encoding change from 5-digit to 6 digits. This change allows a total of 48,000 job title to be listed which in line with the transformation of the organizational structure, the pace of technology, and the development of the global economy that creates new jobs in the market.

It is hoped that MASCO will be developed, analyzed, and updated regularly. Small publication or brief information should also be produced to facilitate the users to get instant and up to date information.

Hopefully this book will serve as a guide and reference to the public and private sectors, especially policy makers, educational and training institutions, researchers, career planners, investors and employers as well as employees in coordinating job descriptions and in planning, formulating and implementing human resource management policies.

I would like to express my appreciation and congratulations to all for the contributions to the completion of this publication. Special thanks to the working group of MASCO 2013 for their efforts in developing and publishing this book.

DATO' SARIPUDDIN KASIM

ACKNOWLEDGMENT

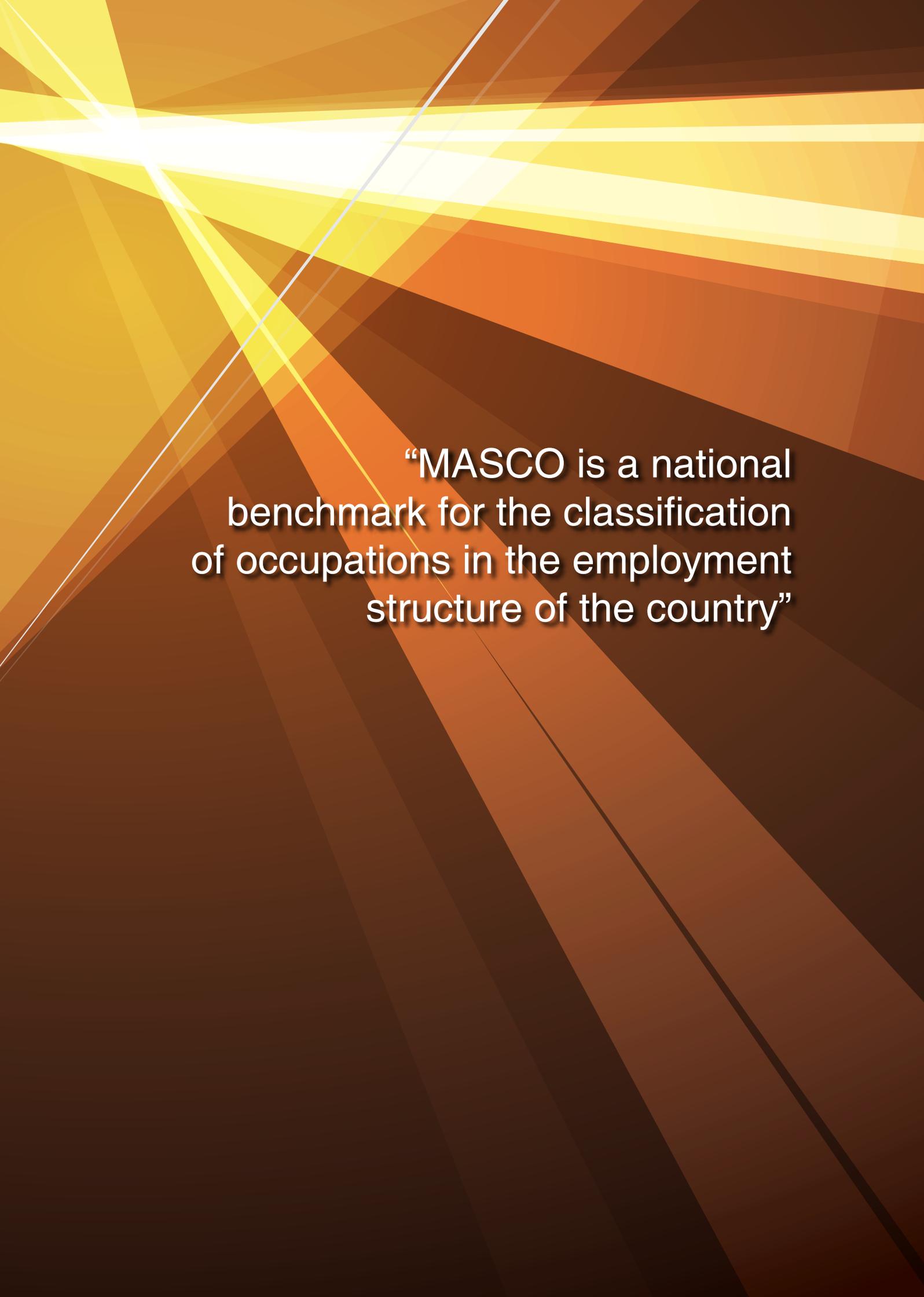
The Malaysia Standard Classification of Occupations (MASCO) 2013 was developed by the Ministry of Human Resources (MoHR) under the advice and leadership of YBhg Dato' Saripuddin Kasim, Secretary General (MoHR), and Mr Mohd Sahar Darusman, Deputy Secretary-General (Policy and International) (MoHR), as well as the task force chaired by Mr Kua Abun, Secretary of Policy Division (MoHR), which is responsible for the overall coordination work, including the final editing. Thanks are also due to Mr David Hunter from the International Labour Organisation (ILO), Geneva, for his guidance and advice on job classifications based on the International Standard Classification of Occupations (ISCO).

MASCO 2013 was successfully completed through the commitment of several individuals. They are Mr Rosli Bidin, Ms Norfakhriana Zulkawi, Ms Nor Hasnah Badroddin, Mr Mustaffa Md Ali and Ms Norhaili Kamsan who heads the development work, editing, compiling, analysing and updating of occupational titles.

A big thank you also goes out to Mr Mohd Kuchairi bin Abdul Aziz, Ms Zaiti binti Harun, Ms Norfazilah binti Mohd Zain and Mr Khairul Rizam bin Othman for their dedication and commitment in revising, editing and compiling the charts for MASCO 2013.

Thank you to the Department of Labour which provided new job title as posted via the JobsMalaysia portal. Special mention goes to the top management of the Department of Statistics, Public Service Commission, Education Service Commission, Public Service Department, Malaysian Investment Development Authority, Multimedia Development Corporation and Malaysian Armed Forces for their support and guidance.

A heartfelt thank you and congratulations go to all the individuals, organisations, professional bodies, unions and others as well as to the relevant ministries and departments for their comments and contributions to the completion of this publication. Last but not least, thanks to the many individuals who were directly involved in the early stages of drafting the MASCO.



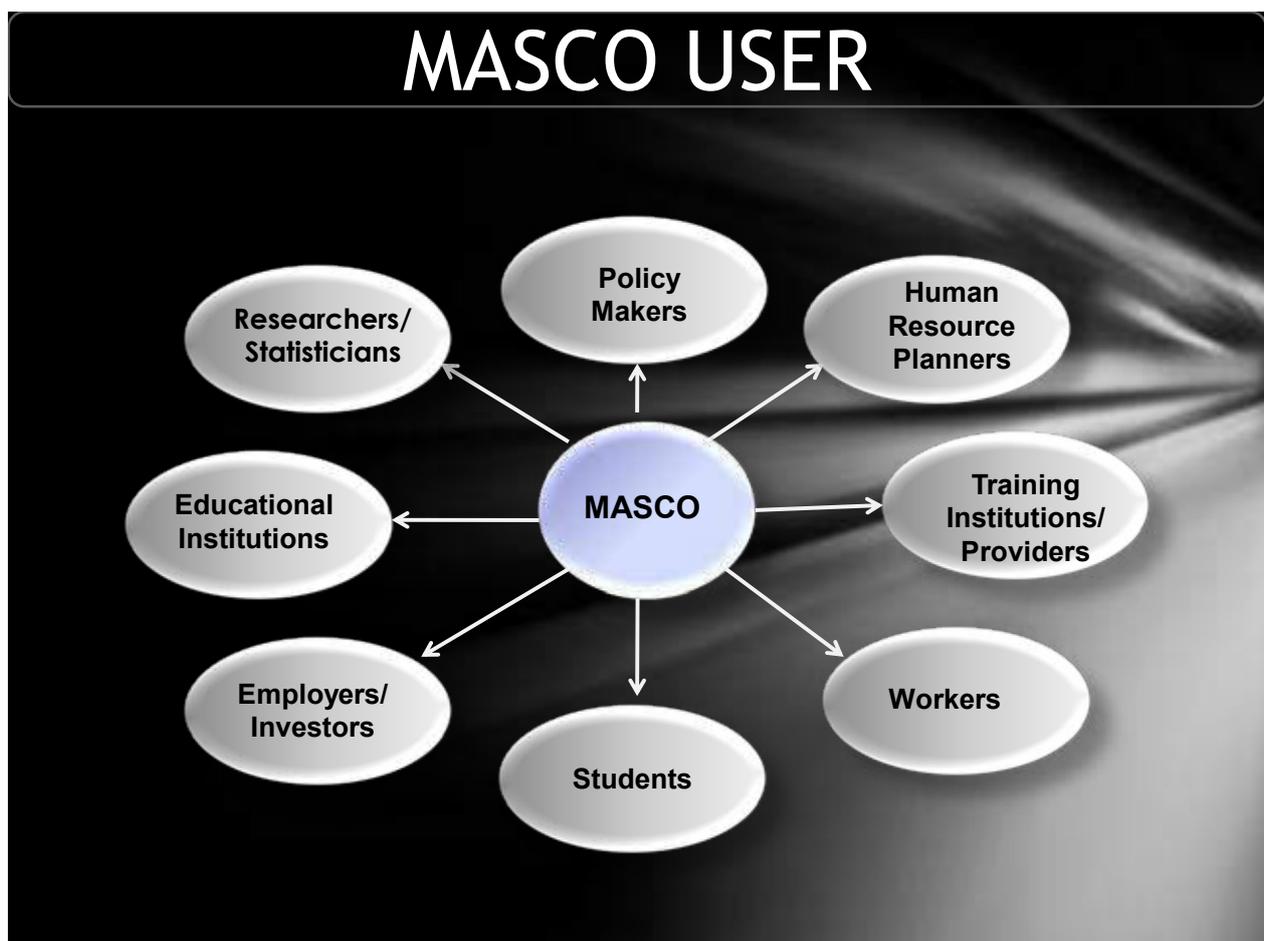
“MASCO is a national benchmark for the classification of occupations in the employment structure of the country”

INTRODUCTION

The Malaysia Standard Classification of Occupations (MASCO) is a national benchmark for the classification of occupations in the employment structure of the country, which has been developed in accordance with International Standard Classification of Occupations (ISCO) with changes and modifications to meet the needs of the country.

MASCO lists down the descriptions and tasks as well as the code for each position listed. It contains ten categories of major groups, namely Major Group 1: Managers; Major Group 2: Professionals; Major Group 3: Technicians and Associate Professionals; Major Group 4: Clerical Support Workers; Major Group 5: Service and Sales Workers; Group 6: Skilled Agricultural, Forestry, Livestock and Fishery Workers; Major Group 7: Craft and Related Trades Workers; Major Group 8: Plant and Machine Operators and Assemblers; Major Group 9: Elementary Occupations; and Major Group 0: Armed Forces.

MASCO provides the employment structures and trends of the current market which can help generate a human resource inventory in the country to serve as reference to both the public and private sectors in planning development strategies in accordance with international standards.



| Target Group | Benefits |
|---|--|
| Policy Makers/ Human Resource Planners | <ul style="list-style-type: none"> • Planning, formulating and implementing policies on human resource management • Planning the structure of the nation's workforce • Basis for the enforcement of labour laws • Basis for levy determination • Implementation of policies to control brain drain and brain gain • Better understanding of industrial development, talent and training needs • Improving the quality of data collection in accordance with international standards • Identifying job categories which require improved skill levels |
| Researchers/ Statisticians | <ul style="list-style-type: none"> • Implementing survey regarding human resources. • Researching/ analysing (Population and Housing Census, the Labour Force Survey, Household Income, National Employment Return etc.) • Improve the quality of data collection in accordance with international standards |
| Educational Institutions/ Training Institutions/ Providers | <ul style="list-style-type: none"> • Shaping the manpower requirements in the industry • Being more objective when developing the curriculum • Determining the basic knowledge required in a particular occupational group • Developing educational and training syllabuses |
| Employers/ Investors | <ul style="list-style-type: none"> • Standardising job descriptions • Identifying core and elective skills • Providing a clear understanding of a particular job • Determining the approximate wage for each type of work • Determining the organisational hierarchy • Planning for the employment needs of the labour market |
| Workers | <ul style="list-style-type: none"> • Understanding the nature and scope of employment • Understanding the organisational hierarchy • Understanding the basic salary in the market and expected skills |
| Students | <ul style="list-style-type: none"> • References on career determination • Choosing the right courses or subjects of study • Knowledge of skill levels and competencies required |

POLICIES AND PRINCIPLES OF CLASSIFICATIONS

The two key concepts used in the classification of occupations are the concept of job and the concept of skill.

A job is defined as a set of tasks and duties performed by a person. A set of jobs whose main tasks and obligations are characterised by a high degree of similarity is referred to as an occupation. This means that persons performing duties of a similar nature are considered to be doing the same job and are therefore classified under the same occupational group, regardless of the level of authority, responsibility or work experience. For example, a chief civil engineer is classified under the same group as a civil engineer (unit group 2142), and a chief accountant is classified under the same group as an accountant (unit group 2411).

Skill is defined as the ability to carry out the tasks and duties of a given job. For the purposes of MASCO 2013, two dimensions of skill are used as follows:

- 1) Skill level is a function of the complexity and range of tasks and duties to be performed in an occupation. Creativity, talent and artistry can also be defined as skills; and
- 2) Skill specialisation is determined by the field of knowledge required, the tools and machinery used, the materials worked on or with, the technology and software used, and the kinds of goods and services produced and not by manual labour alone.

The operational definitions of the four main skill levels are summarised as follows:

| Skill Level | Education Level |
|--------------------|--|
| First | Primary education |
| Second | Secondary or post-secondary education; Malaysian Skills Certificate (SKM) Levels 1-3 |
| Third | Tertiary education leading to an award not equivalent to a first degree; Malaysian Skills Certificate (SKM) Level 4 or Malaysian Skills Diploma (DKM) Level 4 |
| Fourth | Tertiary education leading to a university degree or postgraduate degree; Malaysian Skills Advanced Diploma (DLKM) Levels 5-8 |

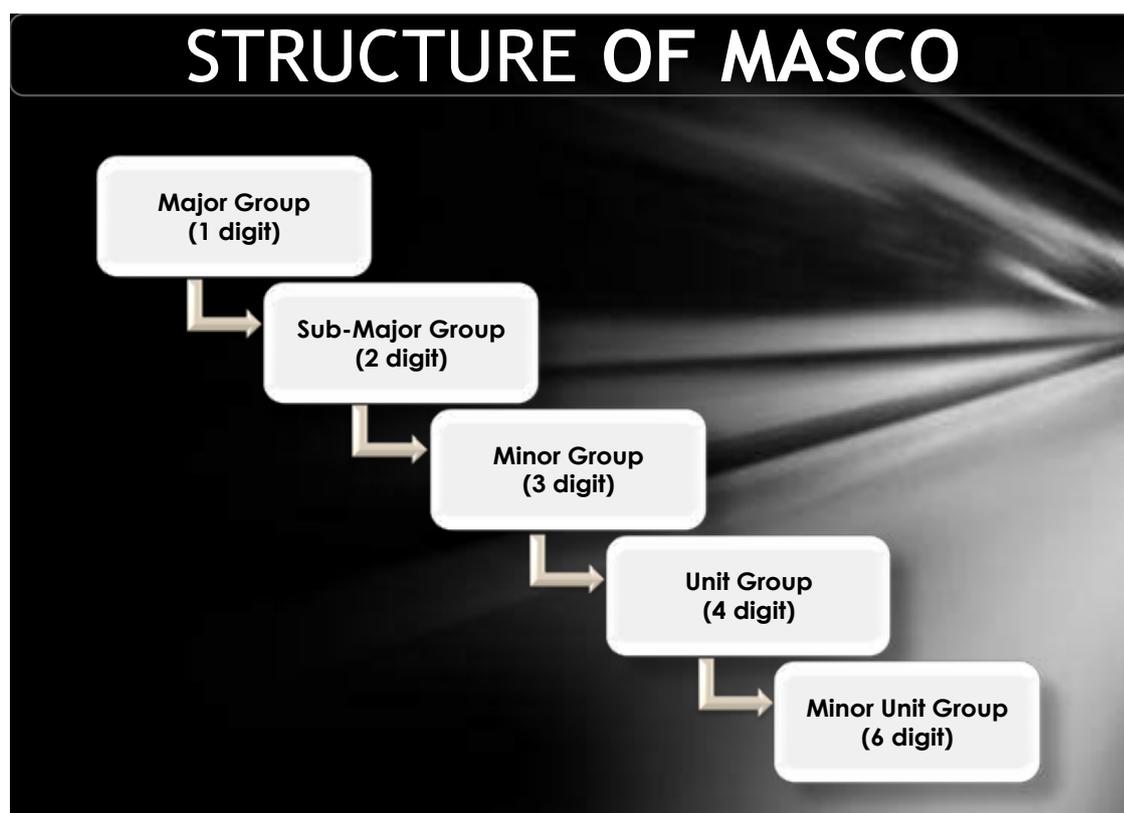
Normally, Major Groups 2 to 9 take into account both education and skill levels in determining their classification. However, groups 1 and 0 are not bound by the education level.

| Major Group | Education Level | Skill Level |
|--|---|-------------|
| 2 Professionals | Tertiary education leading to a university degree or postgraduate degree; Malaysian Skill Advanced Diploma (DLKM) Levels 5-8 | Fourth |
| 3 Technicians and Associate Professionals | Tertiary education leading to an award not equivalent to a first degree; Malaysian Skill Certificate (SKM) Level 4 or Malaysian Skill Diploma (DKM) Level 4 | Third |
| 4 Clerical Support Workers 5 Service and Sales Workers 6 Skilled Agricultural, Forestry, Livestock and Fishery Workers 7 Craft and Related Trades Workers 8 Plant and Machine Operators and Assemblers | Secondary or post-secondary education; Malaysian Skill Certificate (SKM) Levels 1-3 | Second |
| 9 Elementary Occupations | Primary education | First |

The use of the education categories to define the four skill levels does not mean that the skills necessary to perform the tasks and duties of a given occupation can be acquired only through formal education. The skills may also be acquired through informal training and experience. Therefore, when classifying an occupation, for example engineer, it does not mean that the post can be filled only by a registered engineer, although the activities may be similar to those undertaken by the said engineer. In addition, the focus is on the skills needed to carry out the tasks and duties and not on whether a worker having a particular occupation is more or less skilled than another worker in the same occupation.

STRUCTURE OF CLASSIFICATIONS

The structure of MASCO 2013 features 5 levels of classification. The first level is called the Major Group, which is represented by a one-digit code. The second and subsequent levels are called the Sub-Major Group, Minor Group, Unit Group and Minor Unit Group, which are represented by 2-digit, 3-digit, 4-digit and 6-digit codes respectively.



For example, the coding details for Unit Group 2151: Electrical Engineers are as follows:

| Group | Title | Code |
|-------------------------|---------------------------------------|-------------|
| Major Group | Professionals | 2 |
| Sub-Major Group | Science and Engineering Professionals | 21 |
| Minor Group | Electrotechnology Engineers | 215 |
| Unit Group | Electrical Engineers | 2151 |
| Small Unit Group | Engineer (Electrical), Grade J41 | 2151-01 |
| | Assistant Engineer (Electrical) J29 | 2151-02 |
| | Electrical Engineering Technologist | 2151-03 |
| | Electrical Engineer | 2151-04 |

Major Differences in MASCO 2013

MASCO 2013 has been updated in line with new technological advances and global economic developments. Among the main changes introduced in MASCO 2013 are:

- a) change of code from 5-digit to 6-digit at the Minor Unit Group level which allows an expansion of up to 99 occupational codes;
- b) change of code for Unit Groups ending with xxx0 to xxx1 to expand and accommodate all future occupational groups and task descriptions in the market; and
- c) re-structuring, re-organising, re-aligning and re-rating as well as developing and creating new occupational groups.

MASCO 2013 provides the following number of occupational titles for each group:

| Major Group | Sub-Major Group | Minor Group | Unit Group | Minor Unit Group |
|---|-----------------|-------------|------------|------------------|
| 1 Managers | 6 | 11 | 38 | 457 |
| 2 Professionals | 9 | 35 | 119 | 1889 |
| 3 Technicians and Associate Professionals | 7 | 23 | 90 | 1106 |
| 4 Clerical Support Workers | 4 | 8 | 29 | 407 |
| 5 Service and Sales Workers | 4 | 13 | 41 | 342 |
| 6 Skilled Agricultural, Forestry, Livestock and Fishery Workers | 3 | 9 | 21 | 188 |
| 7 Craft and Related Trades Workers | 6 | 14 | 67 | 793 |
| 8 Plant and Machine Operators and Assemblers | 3 | 15 | 43 | 770 |
| 9 Elementary Occupations | 6 | 11 | 35 | 316 |
| 0 Armed Forces | 3 | 7 | 7 | 98 |
| 10 | 51 | 146 | 490 | 6,366 |

In the above classification, all occupations are categorised into **ten (10)** major groups (1-digit). Subsequently, the major groups are divided into **51** sub-major groups (2-digit) which comprise **146** minor groups (3-digit). The minor groups are further divided into **490** unit groups (4-digit) and the unit groups are further divided into **6,366** minor unit groups (6-digit)

NOTES ON CERTAIN OCCUPATIONS

Supervisory occupations, as well as foremen, which are mainly concerned with professional and technical quality control of work done, are classified together with the jobs whose tasks they supervise. However, if the main tasks and duties consist of planning, organising and directing the daily work activities of a group of subordinate workers, the occupation should be considered as a managerial occupation and classified in Major Group 1: Managers. Only in certain organisations, such as in large companies with many levels of decision-making, where between the supervisor and the operators there is at least one other supervisory level, and at the same time there is one or more levels between the supervisor and the management, supervisors may be grouped in Major Group 3: Technicians and Associate Professionals.

Working proprietors are not listed as a special group but classified according to their activities. A shop owner who spends most of the time behind the counter and helping the customers should be classified under Sub-Major Group 52: Sales Workers. If, however, his/ her activities consist mainly of managing resources, finance and personnel, he/ she should be classified under Sub-Major Group 12: Administrative and Commercial Managers.

Occupations mainly concerned with on-the-job training through continuous observation, assessment and guidance are classified with the occupations whose workers they instruct, in a particular trade, craft or machine-operating task.

Apprentices and trainees are classified according to the tasks and duties actually performed, and not according to their future occupation.

For public sector positions, the principles of classification are relaxed to suit the needs of service grading. Job titles with prefixes refer to posts in the public sector, including positions in statutory bodies and local authorities (for example: Civil Engineer, Grade J41). Job titles without prefixes (except the military under group 0) refer to posts in the private sector (for example: Civil Engineer). The difference in job titles in the public and private sectors does not distinguish the tasks under the code being referred.

For the position of the public sector, which is listed grade refers to the grade of appointment.

There are specific positions in the public sector (UiTM Lecturer and Cadet Officer) where the appointments were gazetted in accordance with the requirements of the relevant parties. In addition, there are also special designations (such as mahout) specific to elephant conservation.

There is also repetition of the same position due to the separation of employment by gender (such as steward and stewardess).

Challenges in Developing MASCO 2013



Difficulty in putting job titles that use names or terminology with identical meaning (for example: Assistant, Senior, Junior, Executive and Chief)



Adapting the names of traditional job titles or local names (for example: *Kapitan*, Head of the Household/Head of the Longhouse, Headman/Village Chief, *Dang Pawara*, Sergeant-at-Arms (Meeting), Sergeant-at-Arms (Parliament))



Coordinating or adapting names that are popular or which serve to promote or boost morale from the job title created (for example: Sales/Product Ambassador, Concierge, Customer Service and Global Support Service Executive, IT Butler, Barista)



Principles of classification had to be loosened to the requirements of JobsMalaysia's report generation system to facilitate job application and job matching



Repetition of positions to meet the staffing needs of the public sector which uses the same name by placing a grade to the position to distinguish them from those in the private sector



The need to meet customer needs in line with the implementation of JobsMalaysia for the purpose of job selection and application in the public and private sectors (for example: Civil Engineer Grade J41 is used by the public sector and Civil Engineer is used by the private sector)



Occupations with similar duties and tasks but called by different names (for example: Vacuum and Blow Cleaning jobs)



Adapting the nuances in meaning of positions in certain major groups, whereby different spelling is used to differentiate seniority of positions (such as *Kepten* and *Kapten* in the Armed Forces)

SUMMARY OF MAJOR GROUPS

1 MANAGERS

Devise, analyse, formulate, direct and advise on government policy, and make, amend and repeal laws, public rules and regulations, and represent and act on behalf of the government, and oversee the interpretation and implementation of policies and government legislation, or carry out similar tasks on behalf of special interest organisations, or plan, organise, lead, control and coordinate the policies and activities of enterprises, organisations, departments or the internal section

2 PROFESSIONALS

Increase the existing stock of knowledge, apply scientific or artistic concepts and theories, teach about the foregoing in a systematic manner, or engage in any combination of these three activities

3 TECHNICIANS AND ASSOCIATE PROFESSIONALS

Perform technical and related tasks connected with research and the application of scientific or artistic concepts and operational methods, and government or business regulations

4 CLERICAL SUPPORT WORKERS

Record, organise, store and retrieve related information and perform clerical duties especially in connection with administrative operations, handling of money, travel arrangements and requests for information and appointments

5 SERVICE AND SALES WORKERS

Provide personal services related to travel, housekeeping, catering, personal care, or protection against fire and unlawful acts, or demonstrate and sell goods in wholesale or retail shops and similar establishments as well as at stalls and markets

6 SKILLED AGRICULTURAL, FORESTRY, LIVESTOCK AND FISHERY WORKERS

Grow and harvest field or tree and shrub crops, gather wild fruit, herbs and vegetables, breed, tend or hunt animals, produce a variety of animal husbandry products, cultivate, conserve and gather forest products, breed or catch fish and cultivate or gather other forms of aquatic life

7 CRAFT AND RELATED TRADES WORKERS

Apply their specific knowledge and skills in the fields of mining and construction, metal forming, and erect metal structures, make, fit, maintain and repair machinery, equipment or tools, carry out printing work as well as produce or process foodstuffs, textiles, or wooden, metal and other articles including handicraft goods

8 PLANT AND MACHINE OPERATORS AND ASSEMBLERS

Operate and monitor industrial and agricultural machinery and equipment, drive and operate trains, motor vehicles and mobile machinery and equipment, or assemble product component parts according to strict specifications and procedures

9 ELEMENTARY WORKERS

Perform simple, routine and non-systematic tasks which mainly require the use of handheld tools or with the assistance of simple machines, and in some cases considerable physical effort

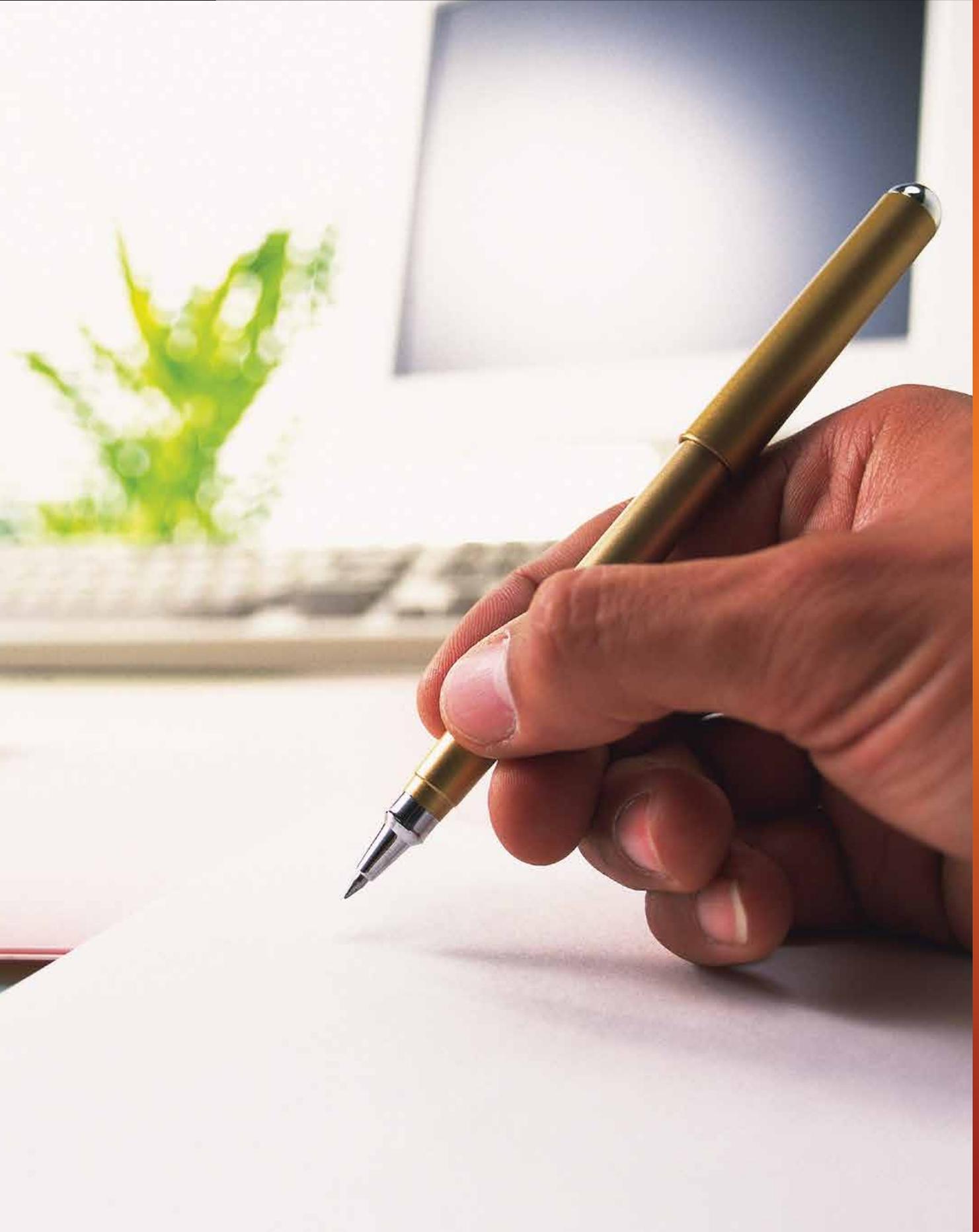
0 ARMED FORCES

The Malaysian Armed Forces (MAF) is divided into three branches, namely the Malaysian Army (MA), Royal Malaysian Navy (RMN) and Royal Malaysian Air Force (RMAF). The main role of the MAF is to defend the sovereignty and territorial integrity of the country against external threats whereas its secondary role is to assist the public authorities in restoring and maintaining public order, enforcing maritime law, defending against internal threats, assisting in disaster relief and national development operations as well as providing support in peacekeeping efforts under the banner of the United Nations (UN)



1

MANAGERS



11 CHIEF EXECUTIVES, SENIOR OFFICIALS AND LEGISLATORS

111 LEGISLATORS AND SENIOR OFFICIALS

- 1111 Legislators
- 1112 Senior Government Officials
- 1113 Traditional Chiefs and Heads of Village
- 1114 Senior Officials of Special-Interest Organizations

112 MANAGING DIRECTORS AND CHIEF EXECUTIVES

- 1121 Managing Directors and Chief Executives

12 ADMINISTRATIVE AND COMMERCIAL MANAGERS

121 BUSINESS SERVICES AND ADMINISTRATION MANAGERS

- 1211 Finance Managers
- 1212 Human Resource Managers
- 1213 Policy and Planning Managers
- 1214 Business Services Managers
- 1215 Administrative Managers
- 1219 Business Services and Administration Managers Not Elsewhere Classified

122 SALES, MARKETING AND DEVELOPMENT MANAGERS

- 1221 Sales and Marketing Managers
- 1222 Advertising and Public Relations Managers
- 1223 Research and Development Managers

13 PRODUCTION AND MANUFACTURING MANAGERS

131 PRODUCTION MANAGERS

- 1311 Agricultural, Forestry and Livestock Production Managers
- 1312 Aquaculture and Fisheries Production Managers

132 MANUFACTURING, MINING, CONSTRUCTION, AND DISTRIBUTION MANAGERS

- 1321 Manufacturing Managers
- 1322 Mining Managers
- 1323 Construction Managers
- 1324 Supply, Distribution and Related Managers



14 HOSPITALITY, RETAIL AND OTHER SERVICES MANAGERS

141 HOTEL AND RESTAURANT MANAGERS

- 1411 Hotel Managers
- 1412 Restaurant Managers

142 RETAIL AND WHOLESALE TRADE MANAGERS

- 1421 Retail and Wholesale Trade Managers

15 INFORMATION AND COMMUNICATIONS TECHNOLOGY MANAGERS

151 INFORMATION AND COMMUNICATIONS TECHNOLOGY MANAGERS

- 1511 Information and Communications Technology Managers

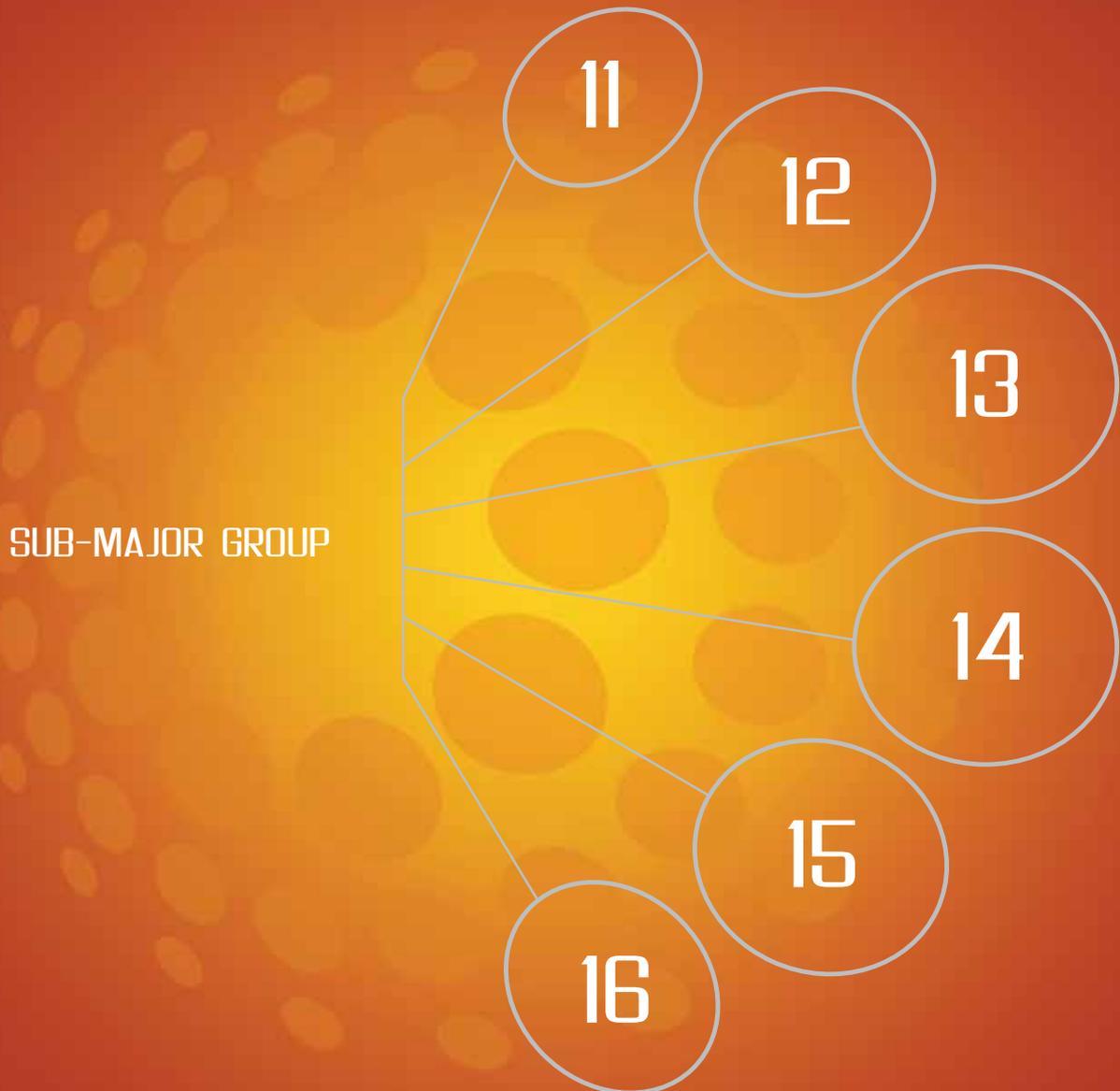
16 SERVICES MANAGERS

161 PROFESSIONAL SERVICES MANAGERS

- 1611 Child Care Services Managers
- 1612 Health Services Managers
- 1613 Aged Care Services Managers
- 1614 Social Welfare Managers
- 1615 Education Managers
- 1616 Financial and Insurance Services Branch Managers
- 1617 Legal Managers
- 1618 Property Managers
- 1619 Professional Services Managers Not Elsewhere Classified

162 OTHER SERVICES MANAGERS

- 1621 Sports and Recreation Centre Managers
- 1622 Personal Care, Cleaning and Related Services Managers
- 1623 Security Managers
- 1624 Cultural Centre, Museum and Library Managers
- 1629 Other Services Managers Not Elsewhere Classified



- 11. CHIEF EXECUTIVES, SENIOR OFFICIALS AND LEGISLATORS
- 12. ADMINISTRATIVE AND COMMERCIAL MANAGERS
- 13. PRODUCTION AND MANUFACTURING MANAGERS
- 14. HOSPITALITY, RETAIL AND OTHER SERVICES MANAGERS
- 15. INFORMATION AND COMMUNICATIONS TECHNOLOGY MANAGERS
- 16. SERVICES MANAGERS

Description

Devise, analyse, formulate, direct and advise on government policy, and make, amend and repeal laws, public rules and regulations, and represent and act on behalf of the government, and oversee the interpretation and implementation of policies and government legislation, or carry out similar tasks on behalf of special interest organisations, or plan, organise, lead, control and coordinate the policies and activities of enterprises, organisations, departments or the internal section.

Skill Level

Reference to the skill level is open and not bound to education level. However, employment in this major group primarily requires skills at the fifth to eighth levels.

SUB-MAJOR 11 CHIEF EXECUTIVES, SENIOR OFFICIALS AND LEGISLATORS

Chief Executives, Senior Officials and Legislators devise, analyse, formulate, direct and advise on government policy, and make, amend and repeal laws, public rules and regulations, and represent and act on behalf of the government, and oversee the interpretation and implementation of policies and government legislation, or carry out similar tasks on behalf of special interest organisations.

MINOR GROUP 111 LEGISLATORS AND SENIOR OFFICIALS

Legislators and Senior Officials devise, analyse, formulate and direct the implementation of policies of the nation, state, regional government, local communities and special interest organisations. They make, ratify, amend or repeal laws, rules and regulations, and plan, organise, direct, control and evaluate the activities of entire departments and agencies, traditional societies and special interest organisations.

UNIT GROUP 1111 LEGISLATORS

Legislators devise, analyse, formulate and direct policies of the nation, state, regional or local government and international government agencies, and make, ratify, amend or repeal laws, public rules and regulations.

Tasks include:

- a) presiding over or participating in the proceedings of legislative bodies and administrative councils of national, state, regional or local governments or legislative assemblies;
- b) determining, formulating and directing policies of national, state, regional or local governments;
- c) making, ratifying, amending or repealing laws, public rules and regulations within a statutory or constitutional framework;
- d) serving on government administrative boards or official committees;
- e) investigating matters of concern to the public and promoting the interests of the constituencies which they represent;
- f) attending community functions and meetings to provide service to the community, understanding public opinion and providing information on government plans;
- g) negotiating with other legislators and representatives of interest groups in order to reconcile differing interests, and to create policies and agreements;

- h) as government personnel: directing senior administrators and officials of government departments and agencies in the interpretation and implementation of government policies;
- i) performing related tasks; and
- j) managing, planning, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: (*refer to index; unit group 1111*)

| | |
|---------|-----------------------|
| 1111-01 | Prime Minister |
| 1111-02 | Deputy Prime Minister |
| 1111-03 | Minister |
| 1111-04 | Deputy Minister |

UNIT GROUP 1112 SENIOR GOVERNMENT OFFICIALS

Senior Government Officials advise governments on policy matters, oversee the interpretation and implementation of government policies and legislation by government departments and agencies, represent their country abroad and act on its behalf, or carry out similar tasks in intergovernmental organisations. They plan, organise, direct, control and evaluate the overall activities of municipal or local, regional and national government departments, councils, agencies or commissions in accordance with legislation and policies established by government and legislative bodies.

Tasks include:

- a) advising federal, state, regional or local governments on policy matters;
- b) advising on the preparation of government budgets, laws and regulations, including amendments;
- c) formulating or approving and evaluating programmes and procedures for implementation by the government;
- d) recommending, reviewing, evaluating and approving documents and reports submitted by middle managers and senior staff members;
- e) ensuring appropriate systems and procedures are developed and implemented to provide budgetary control;
- f) making presentations to legislative and other government committees on policy planning or budget allocations;
- g) performing related tasks; and
- h) managing, planning, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: (*refer to index; unit group 1112*)

| | |
|---------|------------------------------------|
| 1112-01 | Keeper of the Rulers' Seal |
| 1112-02 | Chief Secretary to the Government |
| 1112-03 | Director-General of Public Service |
| 1112-04 | Attorney General |

UNIT GROUP 1113 TRADITIONAL CHIEFS AND HEADS OF VILLAGE

Traditional Chiefs and Heads of Village perform a variety of legislative, administrative and ceremonial tasks and duties determined by traditions, as well as by the division of rights and responsibilities between village heads and the local, regional and national authorities.

Tasks include:

- a) performing duties as a liaison officer to disseminate information about the state administration, government policies, and organise community development in the *mukim*;

- b) focusing on aspects of development, administration, religion and culture in the *mukim*;
- c) settling disputes between members of the community or village;
- d) disciplining members of the community or village for violation of rules and customs;
- e) performing ceremonial duties in connection with births, marriages, deaths, harvests and other traditional festivities;
- f) representing the community or village in local or regional councils;
- g) informing the community or village about government directives and regulations; and
- h) performing related tasks.

Examples of the occupations classified here: (*refer to index; unit group 1113*)

| | |
|---------|---------------------|
| 1113-01 | Headman, Grade NP27 |
| 1113-02 | <i>Demang</i> |
| 1113-03 | <i>Penggawa</i> |
| 1113-04 | Village Head |

UNIT GROUP 1114 SENIOR OFFICIALS OF SPECIAL-INTEREST ORGANISATIONS

Senior Officials of Special-Interest Organisations determine, formulate and direct the implementation of policies of special interest organisations such as political party organisations, trade unions, employers' organisations, trade and industry associations, humanitarian or charitable organisations, or sports associations, and act on their behalf.

Tasks include:

- a) determining and formulating the policies, rules and regulations of the political party or organisation;
- b) planning, directing and coordinating the general functioning of the organisation;
- c) reviewing the operations and results of the organisation meetings and reporting to the board of directors and governing bodies, the organisation's membership and funding agencies;
- d) planning, organising and directing divisions charged with implementing the organisation's policies;
- e) ensuring appropriate systems and procedures are developed and implemented to provide budgetary control;
- f) monitoring and evaluating the performance of the organisation or enterprise against established objectives and policies;
- g) representing the organisation on official occasions and at board meetings, in negotiations, at conventions, public hearings and forums;
- h) performing related tasks; and
- i) managing, planning, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: (*refer to index; unit group 1114*)

| | |
|---------|---|
| 1114-01 | President of Political Party |
| 1114-02 | President of Employers' Federation |
| 1114-03 | President of Trade Union Congress |
| 1114-04 | President of Congress of Unions of Employees in the Public and Civil Services |

MINOR GROUP 112 MANAGING DIRECTORS AND CHIEF EXECUTIVES

Managing Directors and Chief Executives formulate and review policies and plan, coordinate and evaluate the overall activities of enterprises or organisations (except special interest organisations and government departments) with the support of other managers, usually within guidelines established by a board of directors or a governing body to whom they are answerable for the operations undertaken and results.

UNIT GROUP 1121 **MANAGING DIRECTORS AND CHIEF EXECUTIVES**

Managing Directors and Chief Executives formulate and review policies and plan, direct, coordinate and evaluate the overall activities of enterprises or organisations (except special interest organisations and government departments) with the support of other managers, usually within guidelines established by a board of directors or a governing body to whom they are answerable for the operations undertaken and results.

Tasks include:

- a) planning, directing and coordinating the general functions of the enterprise or organisation;
- b) reviewing the operations and results of the enterprise or organisation and reporting to the board of directors and governing bodies;
- c) determining objectives, strategies, policies and programmes for the enterprise or organisation;
- d) providing overall leadership and management to the enterprise or organisation;
- e) establishing and managing budgets, controlling expenditure and ensuring the efficient use of resources;
- f) monitoring and evaluating the performance of the organisation or enterprise against established objectives and policies;
- g) consulting and reviewing recommendations and reports with senior subordinate staff;
- h) representing the organisation at official occasions and board meetings, in negotiations, at conventions, seminars, public hearings and forums;
- i) selecting or approving the selection of senior staff;
- j) ensuring the organisation complies with relevant legislation and regulations;
- k) performing related tasks; and
- l) managing, planning, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: ([refer to index; unit group 1121](#))

| | |
|---------|-------------------------|
| 1121-01 | Chief Executive Officer |
| 1121-02 | Chief Operating Officer |
| 1121-03 | Executive Director |
| 1121-04 | Company Director |

SUB-MAJOR 12 ADMINISTRATIVE AND COMMERCIAL MANAGERS

Administrative and Commercial Managers plan, organise, direct, control and coordinate activities concerning the finances, administration, human resource, policies, planning, research and development, advertising, public relations, and sales and marketing of enterprises and organisations, or of enterprises that provide such services to other enterprises and organisations.

MINOR GROUP 121 BUSINESS SERVICES AND ADMINISTRATION MANAGERS

Business Services and Administration Managers plan, organise, direct, control and coordinate activities concerning the finances, administration, human resource and policy planning of organisations, or of enterprises that provide such services to other enterprises and organisations.

UNIT GROUP 1211 **FINANCE MANAGERS**

Finance Managers plan, organise, direct, control and coordinate activities concerning the financial operations and participate in formulating the financial policy in consultation with senior managers and managers of the department, or other divisions.

Tasks include:

- a) planning, directing, controlling and coordinating the internal financial operations of the enterprise or organisation;
- b) ensuring the organisation's financial statements have been dealt with in the right manner;
- c) assessing the financial situation of the enterprise or organisation, preparing budgets and overseeing various financial operations;
- d) consulting with the chief executive and with managers of other divisions and departments;
- e) controlling expenditure and ensuring efficient use of resources;
- f) planning and directing daily operations;
- g) overseeing the selection, training and performance of staff;
- h) representing the department in its dealings with other divisions of the organisation or with external agencies;
- i) performing related tasks; and
- j) managing, planning, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 1211)*

| | |
|---------|-----------------|
| 1211-01 | Finance Manager |
| 1211-02 | Account Manager |
| 1211-03 | Budget Manager |
| 1211-04 | Audit Manager |

UNIT GROUP 1212 **HUMAN RESOURCE MANAGERS**

Human Resource Managers plan, organise, direct, control and coordinate policies concerning the personnel, industrial relations and occupational safety and health of an enterprise or organisation, or of enterprises that provide human resource services to other enterprises and organisations.

Tasks include:

- a) planning, directing and coordinating policies concerning activities of personnel and the industrial relations of the enterprise or organisation;
- b) planning and organising procedures for recruitment, training, promotion, transfer

- and dismissal of staff;
- c) planning and organising negotiations and procedures for determination of wage structures and levels and for consultation with workers on conditions of employment;
- d) overseeing safety, health and related activities;
- e) establishing and managing budgets, controlling expenditure and ensuring the efficient use of resources;
- f) establishing and directing operational and administrative procedures;
- g) overseeing the development and implementation of management information systems;
- h) ensuring compliance with standards and legislation relating to employees' rights, safety and health, equal opportunity and related concerns;
- i) overseeing the selection, training and performance of staff for the entire enterprise or organisation;
- j) consulting with the senior management and with managers of other departments;
- k) representing the enterprise or organisation in external matters;
- l) performing related tasks; and
- m) managing, planning, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 1212)*

| | |
|---------|--|
| 1212-01 | Human Resource Manager |
| 1212-02 | Training Manager |
| 1212-03 | Industrial Relations Manager |
| 1212-04 | Occupational Safety and Health Manager |

UNIT GROUP 1213 POLICY AND PLANNING MANAGERS

Policy and Planning Managers plan, organise, coordinate and advise on policy and strategic planning activities within the government or for non-government organisations and private sector agencies, or manage the activities of enterprises that provide policy and strategic planning services.

Tasks include:

- a) developing, implementing and monitoring strategic plans, programmes, policies, processes, systems and procedures to achieve goals, objectives and work standards;
- b) developing, directing, administering and participating in policy research and analysis;
- c) analysing and interpreting results of studies, and preparing reports detailing findings, recommendations or conclusions;
- d) designing, evaluating and modifying policies to ensure that programmes are effective and in compliance with legal requirements;
- e) performing related tasks; and
- f) managing, planning, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 1213)*

| | |
|---------|-----------------------------|
| 1213-01 | Policy and Planning Manager |
| 1213-02 | Strategic Planning Manager |
| 1213-03 | Corporate Planning Manager |
| 1213-04 | Policy and Research Manager |

UNIT GROUP 1214 BUSINESS SERVICES MANAGERS

Business Services Managers plan, organise, direct, control and coordinate sales and marketing activities of an enterprise or organisation.

Tasks include:

- a) planning, directing and coordinating the business services activities of the enterprise or organisation;
- b) planning and organising special sales and marketing programmes based on sales records and market assessments;
- c) planning, administering and reviewing customer services and after-sales services and maintaining good customer relations;
- d) determining price lists, discounts and delivery terms, credit arrangements, product mix, geographical sales areas, sales promotion budgets, sales methods, customer service standards, special incentives and special campaigns;
- e) directing merchandising methods and distribution policy by coordinating the work of salespersons or organising appointment of agents and distributors;
- f) controlling expenditure and ensuring the efficient use of resources;
- g) monitoring customer service, invoicing, payments and administration costs;
- h) establishing and directing operational and administrative procedures;
- i) planning and directing daily operations;
- j) overseeing the selection, training and performance of staff;
- k) representing the department in its dealings with other divisions of the organisation or with external agencies;
- l) performing related tasks; and
- m) managing, planning, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 1214)*

| | |
|---------|---|
| 1214-01 | Production Manager |
| 1214-02 | Production and Business Operation Manager |
| 1214-03 | Business Service Development Manager |
| 1214-04 | Production Planner |

UNIT GROUP 1215 ADMINISTRATIVE MANAGERS

Administrative Managers plan, organise, direct, control and coordinate administrative operations of the support services such as record-keeping, mail distribution, telephone operator/ receptionist and other office support services of an enterprise or organisation.

Tasks include:

- a) coordinating the administrative operations of the enterprise or organisation;
- b) planning, administering and controlling budget contracts for equipment and supplies;
- c) monitoring the facility to ensure that it remains in good condition, secure and well-maintained;
- d) preparing and reviewing operational reports and schedule to ensure accuracy and efficiency of the organisation;
- e) overseeing construction and renovation projects to improve efficiency and to ensure that facilities meet environmental, health and security standards and comply with government regulations;
- f) overseeing the selection, training and performance of staff;
- g) representing the department in its dealings with other divisions of the organisation or with external agencies;
- h) performing related tasks; and
- i) managing, planning, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 1215)*

| | |
|---------|--------------------------------|
| 1215-01 | Administrative Manager |
| 1215-02 | Administrative Service Manager |

UNIT GROUP 1219 BUSINESS SERVICES AND ADMINISTRATION MANAGERS NOT ELSEWHERE CLASSIFIED

This unit group covers Business Services and Administration Not Elsewhere Classified in Minor Group 121: Business Services and Administration Managers.

Tasks include:

- a) providing administrative operations, strategic planning as well as offering support, research and advise to the management;
- b) developing and implementing administrative procedures;
- c) analysing complex management issues and initiatives that affect the organisation, and preparing reports or feedback;
- d) providing information and support for the preparation of financial reports and budgets;
- e) planning and implementing policies;
- f) making budgetary estimates;
- g) negotiating with suppliers, customers and other organisations;
- h) planning and controlling the use of human resources;
- i) performing related tasks; and
- j) managing, planning, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 1219)*

| | |
|---------|---------------------------|
| 1219-01 | Purchasing Manager |
| 1219-02 | Quality Control Manager |
| 1219-03 | Quality Assurance Manager |
| 1219-04 | Facilities Manager |

MINOR GROUP 122 SALES, MARKETING AND DEVELOPMENT MANAGERS

Sales, Marketing and Development Managers plan, organise, direct, control and coordinate activities concerning advertising, public relations, research and development, and sales and marketing of enterprises and organisations, or of enterprises that provide such services to other enterprises and organisations.

UNIT GROUP 1221 SALES AND MARKETING MANAGERS

Sales and Marketing Managers plan, organise, direct, control and coordinate activities concerning the sales and marketing of an enterprise or organisation, or of enterprises that provide sales and marketing services to other enterprises and organisations.

Tasks include:

- a) planning, directing and coordinating the sales and marketing activities of the enterprise or organisation;
- b) planning and organising special sales and marketing programmes based on sales records and market assessments;
- c) planning, administering and reviewing customer services and after-sales services and maintaining good customer relations;

- d) determining price lists, discounts and delivery terms, credit arrangements, product mix, geographical sales areas, sales promotion budgets, sales methods, customer service standards, special incentives and special campaigns;
- e) directing merchandising methods and distribution policy by coordinating the work of salespersons or managing the appointment of agents and distributors;
- f) controlling expenditure and ensuring the efficient use of resources;
- g) monitoring customer service, invoicing, payments and administration costs;
- h) planning and directing daily operations;
- i) overseeing the selection, training and performance of staff;
- j) representing the department in its dealings with other divisions of the organisation or with external agencies;
- k) performing related tasks; and
- l) managing, planning, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 1221)*

| | |
|---------|-----------------------------|
| 1221-01 | Sales Manager |
| 1221-02 | Sales and Marketing Manager |
| 1221-03 | Marketing Manager |
| 1221-04 | Sales Promotion Manager |

UNIT GROUP 1222 ADVERTISING AND PUBLIC RELATIONS MANAGERS

Advertising and Public Relations Managers plan, organise, direct, control and coordinate the advertising and public relations activities of enterprises and organisations or of enterprises that provide related services to other enterprises and organisations.

Tasks include:

- a) planning, directing and coordinating the advertising and public relations activities of the enterprise or organisation;
- b) negotiating advertising contracts with officials of newspapers, radio and television stations, sports and cultural organisations and advertising agencies;
- c) planning and managing information programmes for legislators, the mass media and general public about the plans, accomplishments and points of view of the enterprise or organisation;
- d) controlling expenditure and ensuring the efficient use of resources;
- e) establishing and directing operational and administrative procedures;
- f) planning and directing daily operations;
- g) overseeing the selection, training and performance of staff;
- h) representing the department in its dealings with other divisions of the organisation or with external bodies;
- i) performing related tasks; and
- j) managing, planning, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 1222)*

| | |
|---------|--------------------------|
| 1222-01 | Advertising Manager |
| 1222-02 | General Affairs Manager |
| 1222-03 | Communications Manager |
| 1222-04 | Public Relations Manager |

UNIT GROUP 1223 RESEARCH AND DEVELOPMENT MANAGERS

Research and Development Managers plan, organise, direct, control and coordinate the research and development activities of organisations or of enterprises that provide development services to other enterprises and organisations.

Tasks include:

- a) planning, directing and coordinating research and development activities, whether in-house or commissioned by external research organisations, to develop or improve technical processes, products, knowledge or utilisation of materials;
- b) planning the overall research and development programme of the enterprise or organisation, specifying budgetary requirements;
- c) controlling expenditure and ensuring the efficient use of resources;
- d) planning and directing daily operations;
- e) overseeing the selection, training and performance of staff;
- f) representing the department in its dealings with other divisions of the organisation or with external agencies;
- g) performing related tasks; and
- h) managing, planning, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: ([refer to index; unit group 1223](#))

| | |
|---------|----------------------------------|
| 1223-01 | Research and Development Manager |
| 1223-02 | Product Development Manager |
| 1223-03 | Research Manager |

SUB-MAJOR 13 PRODUCTION AND MANUFACTURING MANAGERS

Production and Manufacturing Managers plan, organise, direct, control and coordinate the production of goods and the provision of specialised technical and professional services by an enterprise or organisation. They are responsible for manufacturing, mining, construction, logistics and large scale agricultural, forestry and fishery operations.

MINOR GROUP 131 PRODUCTION MANAGERS

Production Managers plan, organise, direct, control and coordinate the production of agricultural, horticultural, forestry, aquaculture and fishery operations on a large scale such as plantations and agricultural cooperatives to cultivate and harvest crops, breed and raise livestock, fish and shellfish and to catch and process fish products and other forms of aquatic life.

UNIT GROUP 1311 AGRICULTURAL, FORESTRY AND LIVESTOCK PRODUCTION MANAGERS

Agricultural, Forestry and Livestock Production Managers plan, organise, direct, control and coordinate large scale production operations in agriculture, horticulture and forestry to cultivate and harvest crops, and breed and raise livestock.

Tasks include:

- a) coordinating all activities related to the park such as education, development, enforcement, eco-tourism and maintenance;
- b) analysing statistical data, studies and reports to identify and determine causes of problems and offering recommendations for improvement of agricultural systems, procedures or programmes;
- c) monitoring agricultural and forestry market activities and planning production to meet market requirements and demand;
- d) establishing and managing budgets, monitoring production and recording information such as farm management practices, and preparing financial and operational reports;
- e) conferring with buyers to arrange for the sale of crops and livestock;
- f) contracting with farmers or independent owners for production of crops and livestock, or for management of production;
- g) planning the type, intensity and method of farm operations (e.g. determining the best times for planting, spraying and harvesting);
- h) analysing soil to determine the types and quantities of fertiliser required for maximum production;
- i) purchasing machinery, equipment and supplies such as tractors, seeds, fertiliser and chemicals;
- j) identifying and controlling toxins, weeds, pests and diseases on agricultural land and forests;
- k) organising farming operations such as maintaining buildings, water supply systems and equipment;
- l) performing related tasks; and
- m) managing, planning, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 1311)*

| | |
|---------|----------------------------------|
| 1311-01 | Park / Estate Manager, Grade G48 |
| 1311-02 | Forestry Manager |
| 1311-03 | Plantation Manager |
| 1311-04 | Horticulture Manager |

UNIT GROUP 1312 AQUACULTURE AND FISHERIES PRODUCTION MANAGERS

Aquaculture and Fisheries Production Managers plan, organise, direct, control and coordinate aquaculture and fishery production operations to catch and process fish or shellfish, and to breed fish, shellfish or other forms of aquatic life as cash crops or for release into freshwater or saltwater.

Tasks include:

- a) planning and implementing policies and legislation;
- b) planning, directing and coordinating activities concerning the production of aquaculture and fishery to meet market demand;
- c) conducting and organising aquaculture or fishery stock examinations in order to identify diseases or parasites;
- d) devising and coordinating activities to improve fish hatching and growth rates, and to prevent disease in hatcheries;
- e) monitoring the environment to maintain or improve conditions for aquatic life;
- f) directing and monitoring trapping and spawning of fish, egg incubation, and applying knowledge of management and fish culturing techniques;
- g) ensuring the efficient use of resources and the fulfilment of production quotas;
- h) planning and directing daily operations;
- i) making budgetary estimates and controlling expenditure;
- j) establishing and directing operational and administrative procedures;
- k) overseeing the application of work safety and related procedures;
- l) overseeing the selection, training and performance of staff;
- m) negotiating with suppliers, customers and other organisations;
- n) performing related tasks; and
- o) managing, planning, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: [\(refer to index unit group 1312\)](#)

| | |
|---------|---|
| 1312-01 | Fishery Manager |
| 1312-02 | Production and Operation Manager, Fishery |
| 1312-03 | Aquaculture Operation Manager |
| 1312-04 | Fishing Operations Manager |

MINOR GROUP 132 MANUFACTURING, MINING, CONSTRUCTION AND DISTRIBUTION MANAGERS

Manufacturing, Mining, Construction and Distribution Managers plan, organise, direct, control and coordinate the manufacturing, mineral extraction, construction, distribution, storage and transport operations.

UNIT GROUP 1321 MANUFACTURING MANAGERS

Manufacturing Managers plan, organise, direct, control and coordinate manufacturing production activities of large enterprises or manage a small manufacturing company.

Tasks include:

- a) planning and implementing policies and legislation;
- b) determining, implementing and monitoring production strategies, policies and plans;
- c) planning, directing and coordinating activities concerning the production of goods;
- d) ensuring the efficient use of resources and the fulfilment of production quotas;
- e) planning and directing daily operations;
- f) making budgetary estimates and controlling expenditure;
- g) establishing and directing operational and administrative procedures;

- h) overseeing the application of work safety and related procedures;
- i) identifying business opportunities and determining the products to be manufactured;
- j) overseeing the selection, training and performance of staff;
- k) negotiating with suppliers, customers and other organisations;
- l) representing the department in its dealings with other divisions of the enterprise or with external agencies;
- m) ensuring all production processes meet the manufacturing specification;
- n) ensuring optimal utilisation of manpower, machine and equipment;
- o) performing related tasks; and
- p) managing, planning, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 1321)*

| | |
|---------|---|
| 1321-01 | Manufacturing Manager |
| 1321-02 | Production and Operation Manager, Manufacturing |
| 1321-03 | Factory Manager |
| 1321-04 | Manufacturer |

UNIT GROUP 1322 MINING MANAGERS

Mining Managers plan, organise, direct, control and coordinate the activities concerning mining, quarrying and oil and gas extraction operations.

Tasks include:

- a) planning, directing and coordinating activities concerning the extraction of minerals, oil and gas;
- b) conferring with other managers to set production quotas and plan extraction sites;
- c) ensuring the efficient use of resources and the fulfilment of production quotas;
- d) planning and directing daily operations;
- e) making budgetary estimates and controlling expenditure;
- f) establishing and directing operational and administrative procedures;
- g) overseeing the application of work safety and related procedures;
- h) overseeing the selection, training and performance of staff;
- i) representing the department in its dealings with other divisions of the enterprise or with external agencies;
- j) performing related tasks; and
- k) managing, planning, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 1322)*

| | |
|---------|--|
| 1322-01 | Production and Operation Manager, Mine |
| 1322-02 | Production and Operation Manager, Quarry |
| 1322-03 | Production and Operation Manager, Oil and Gas Extraction |
| 1322-04 | Oil and Gas Extraction Manager |

UNIT GROUP 1323 CONSTRUCTION MANAGERS

Construction Managers plan, organise, direct, control and coordinate activities concerning the construction of civil engineering projects, buildings and dwellings.

Tasks include:

- a) planning, directing and coordinating activities concerning the construction of buildings, dams, highways, pipelines and related construction projects;
- b) interpreting architectural drawings and specifications;

- c) negotiating with building owners, property developers and subcontractors involved in the construction process to ensure projects are completed on time and within budget;
- d) planning procedures for construction on basis of starting and completion times and staffing requirements for each phase of construction, based on knowledge of available tools and equipment and various building methods;
- e) planning and organising daily operations;
- f) controlling expenditure;
- g) directing operational and administrative procedures;
- h) overseeing the application of work safety and related procedures;
- i) overseeing the selection, training and performance of staff;
- j) performing related tasks; and
- k) managing, planning, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 1323)*

| | |
|---------|--|
| 1323-01 | Construction Manager |
| 1323-02 | Production and Operation Manager, Construction |
| 1323-03 | Contract Manager |
| 1323-04 | Operation Manager |

UNIT GROUP 1324 SUPPLY, DISTRIBUTION AND RELATED MANAGERS

Supply, Distribution and Related Managers plan, organise, direct, control and coordinate the supply, transport, storage and distribution of goods.

Tasks include:

- a) determining, implementing and monitoring purchasing, storage and distribution strategies, policies and plans;
- b) preparing and implementing plans to maintain required stock levels at minimum cost;
- c) planning and implementing policies and legislation;
- d) ensuring the efficient use of resources and the fulfilment of production quotas;
- e) operating recording systems to track all movements of goods, and ensuring re-ordering and re-stocking at optimal times;
- f) planning and directing daily operations;
- g) controlling expenditure and making budgetary estimates;
- h) overseeing the application of work safety and related procedures;
- i) overseeing the selection, training and performance of staff;
- j) negotiating with suppliers, customers and other organisations;
- k) coordinating and controlling the order cycle and associated information systems;
- l) analysing data to monitor performance and plan improvements;
- m) developing business by securing new contracts, analysing logistical problems and finding solutions;
- n) performing related tasks; and
- o) managing, planning, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 1324)*

| | |
|---------|------------------------|
| 1324-01 | Railway Station Master |
| 1324-02 | Transport Manager |
| 1324-03 | Supply Manager |
| 1324-04 | Warehouse Manager |

SUB-MAJOR 14 HOSPITALITY, RETAIL AND OTHER SERVICES MANAGERS

Hospitality, Retail and Other Services Managers plan, organise, direct, control and coordinate the operations of establishments which provide accommodation, hospitality, retail and other services.

MINOR GROUP 141 HOTEL AND RESTAURANT MANAGERS

Hotel and Restaurant Managers plan, organise, direct, control and coordinate the operations of establishments that provide accommodation, food and beverages and other hospitality services.

UNIT GROUP 1411 HOTEL MANAGERS

Hotel Managers plan, organise, direct, control and coordinate the operations of hotels, motels and similar establishments to provide accommodation and other services including food and beverage operations and housekeeping.

Tasks include:

- a) planning and organising accommodation, catering, housekeeping and other hotel services;
- b) promoting and marketing the business;
- c) managing budgets and controlling expenditure;
- d) maintaining statistical and financial records;
- e) setting and achieving sales and profit targets;
- f) recruiting, training and monitoring staff;
- g) meeting and welcoming customers;
- h) providing guests with information on local tourism, and arranging tours and transport;
- i) addressing problems and troubleshooting;
- j) ensuring events and conferences run smoothly;
- k) supervising maintenance, supplies, renovations and furnishing;
- l) dealing with contractors and suppliers;
- m) ensuring security is effective;
- n) carrying out inspections on property and services;
- o) ensuring compliance with licensing laws, health and safety and other statutory regulations;
- p) performing related tasks; and
- q) managing, planning, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: (*refer to index; unit group 1411*)

| | |
|---------|---------------------------|
| 1411-01 | Hotel Manager |
| 1411-02 | Hostel Manager, Grade N41 |
| 1411-03 | Hostel Manager |
| 1411-04 | Motel Manager |

UNIT GROUP 1412 RESTAURANT MANAGERS

Restaurant Managers plan, organise, direct, control and coordinate the operations of cafes, restaurants and related establishments to provide dining and catering services.

Tasks include:

- a) analysing and planning restaurant sales levels and profitability;
- b) planning and organising special functions;
- c) arranging the purchasing and pricing of goods according to budget;
- d) planning and coordinating menus in consultation with chefs and cooks;

- e) coordinating the operations of the entire restaurant;
- f) ensuring dining, kitchen and food storage facilities comply with health regulations;
- g) meeting and welcoming customers and managing table reservations;
- h) maintaining high standards of quality control, hygiene and health and safety;
- i) checking stock levels and ordering supplies;
- j) preparing budgetary estimates;
- k) ensuring compliance with occupational health and safety regulations;
- l) performing related tasks; and
- m) managing, planning, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 1412)*

| | |
|---------|--------------------|
| 1412-01 | Restaurant Manager |
| 1412-02 | Bar Manager |
| 1412-03 | Café Manager |
| 1412-04 | Canteen Manager |

MINOR GROUP 142 RETAIL AND WHOLESALE TRADE MANAGERS

Retail and Wholesale Trade Managers plan, organise, direct, control and coordinate activities concerning the operations of establishments that sell goods on a retail or wholesale basis.

UNIT GROUP 1421 RETAIL AND WHOLESALE TRADE MANAGERS

Retail and Wholesale Trade Managers plan, organise, direct, control and coordinate the operations of establishments that sell goods on a retail or wholesale basis.

Tasks include:

- a) planning, directing and coordinating activities concerning the trade carried out by the enterprise;
- b) formulating and implementing purchasing and marketing policies, and setting prices;
- c) promoting and advertising the establishment's goods and services;
- d) ensuring efficient use of resources and trade quotas are met;
- e) planning and directing daily operations;
- f) controlling expenditure;
- g) establishing and directing operational and administrative procedures;
- h) overseeing the application of work safety and related procedures;
- i) overseeing the selection, training and performance of staff;
- j) performing related tasks; and
- k) managing, planning, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 1421)*

| | |
|---------|--|
| 1421-01 | Retail Trade Manager |
| 1421-02 | Production and Operation Manager, Retail Trade |
| 1421-03 | Retail Trade Manager, Store |
| 1421-04 | Wholesaler |

SUB-MAJOR 15 INFORMATION AND COMMUNICATIONS TECHNOLOGY MANAGERS

Information and Communications Technology Managers plan, organise, control and coordinate the acquisition, development, maintenance and use of computers and telecommunications systems.

MINOR GROUP 151 INFORMATION AND COMMUNICATIONS TECHNOLOGY MANAGERS

Information and Communications Technology Managers plan, organise, control and coordinate the acquisition, development, maintenance and use of computers and telecommunications systems.

UNIT GROUP 1511 INFORMATION AND COMMUNICATIONS TECHNOLOGY MANAGERS

Information and Communications Technology Managers organise, plan, direct, control and coordinate the acquisition, development, maintenance and use of computers and telecommunications systems.

Tasks include:

- a) directing the formulation of information technology strategies, policies and plans;
- b) consulting with users, the management, vendors and technicians;
- c) directing information technology operations, computer hardware integration, operating communications systems, software application and data processing;
- d) setting priorities between system development, maintenance and operations;
- e) controlling the security of the information technology systems;
- f) managing information technology development projects to ensure that they are completed on schedule, within budget and meet the level of quality to achieve the objective;
- g) evaluating the organisation's technology use and needs and recommending improvements such as hardware and software upgrades;
- h) controlling the budget and expenditure of the department or organisation;
- i) overseeing the selection, training and performance of staff;
- j) representing the department in its dealings with other divisions of the organisation or with external agencies;
- k) performing related tasks; and
- l) managing, planning, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 1511)*

| | |
|---------|--|
| 1511-01 | InfoDesa Field (MID) Manager |
| 1511-02 | Chief Information Technology Officer |
| 1511-03 | Production and Operation Manager, Communications |
| 1511-04 | Information Systems Manager |

SUB-MAJOR 16 SERVICES MANAGERS

Services Managers plan, direct and coordinate activities concerning professional and other services.

MINOR GROUP 161 PROFESSIONAL SERVICES MANAGERS

Professional Services Managers plan, control and coordinate activities concerning child care, health, social welfare, education and related professional services, and manage the branches of institutions providing financial and insurance services, legal provision and property management.

UNIT GROUP 1611 CHILD CARE SERVICES MANAGERS

Child Care Services Managers plan, control and coordinate activities concerning childcare services for children before school, after school and at day care centres.

Tasks include:

- a) managing multiple professional social service programmes to protect children and families including services and activities pertaining to child abuse;
- b) developing and implementing programmes to enhance the physical, social, emotional and intellectual development of young children;
- c) planning and monitoring business management, facility management, human resource management and child safety requirements;
- d) planning and implementing policies;
- e) making budgetary estimates;
- f) negotiating with suppliers, customers and other organisations;
- g) planning and controlling the use of human resources and hiring of workers;
- h) managing daily operations;
- i) performing related tasks; and
- j) managing, planning, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: (*refer to index; unit group 1611*)

| | |
|---------|---------------------------|
| 1611-01 | Child care Centre Manager |
|---------|---------------------------|

UNIT GROUP 1612 HEALTH SERVICES MANAGERS

Health Services Managers plan, control and coordinate activities concerning clinical and community health care services in hospitals, clinics, public health agencies and similar organisations.

Tasks include:

- a) providing direction and management for all services, facilities of the organisation or health centre;
- b) directing, supervising and evaluating the activities of medical, nursing, technical, clerical, service, maintenance and other personnel;
- c) developing, implementing and monitoring procedures, policies and performance standards for medical, nursing, technical and administrative staff;
- d) advising government bodies about measures to improve health and welfare services and facilities;
- e) managing the recruitment, selection, appraisal and development of staff;
- f) overseeing the day-to-day management of an organisation, a specific unit or a service area;
- g) planning and implementing policies;
- h) performing related tasks; and
- i) managing, planning, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: (refer to index; unit group 1612)

| | |
|---------|--------------------------|
| 1612-01 | Medical Service Director |
| 1612-02 | Director of Nursing |
| 1612-03 | Health Manager |
| 1612-04 | Hospital Administrator |

UNIT GROUP 1613 AGED CARE SERVICES MANAGERS

Aged Care Services Managers plan, control and coordinate activities concerning care for individuals and families due to the effects of ageing.

Tasks include:

- a) providing policy direction and assisting in the development of appropriate funding;
- b) meeting, maintaining and exceeding the high standard of quality care and services;
- c) planning and monitoring business management, facility management, human resource management and safety requirements;
- d) planning and implementing policies;
- e) making budgetary estimates;
- f) negotiating with suppliers, customers and other organisations;
- g) planning and controlling the use of human resources and hiring workers;
- h) managing daily operations;
- i) advising government bodies about measures to improve health and welfare services and facilities;
- j) performing related tasks; and
- k) managing, planning, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: (refer to index; unit group 1613)

| | |
|---------|---------------------------------|
| 1613-01 | Aged Care Service Manager |
| 1613-02 | Aged Care Home Director |
| 1613-03 | Community Aged Care Coordinator |

UNIT GROUP 1614 SOCIAL WELFARE MANAGERS

Social Welfare Managers plan, control and coordinate activities concerning social and community service programmes and assist in planning and implementing local welfare programmes.

Tasks include:

- a) providing direction and management for all services and facilities of the organisation or welfare centre;
- b) developing and implementing objectives and policies for various welfare programmes;
- c) managing funds and the budget;
- d) negotiating service contract coverage and making written agreements with the programme providers;
- e) maintaining liaison with local welfare and social agencies;
- f) monitoring and evaluating the effectiveness of service delivery methods and procedures;
- g) performing related tasks; and
- h) managing, planning, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: (refer to index; unit group 1614)

| | |
|---------|-------------------------------|
| 1614-01 | Social Work Manager |
| 1614-02 | Social Work Operation Manager |
| 1614-03 | Community Centre Manager |
| 1614-04 | Welfare Centre Manager |

UNIT GROUP 1615 EDUCATION MANAGERS

Education Managers plan, control and coordinate and evaluate the educational and administrative aspects in primary and secondary schools, colleges and faculties and departments in universities and other educational institutions.

Tasks include:

- a) determining educational programmes based on frameworks established by education authorities and governing bodies;
- b) evaluating the work of teachers and lecturers by visiting classrooms, observing teaching methods, reviewing instructional objectives and examining learning materials;
- c) overseeing educational research aimed at providing new directions for the education system;
- d) representing the organisation on committees to identify present and future needs in the education system, and planning, developing and modifying facilities and programmes;
- e) managing the evaluation of new approaches and development of new courses;
- f) organising and conducting workshops and conferences to train teachers in new programmes and methods;
- g) applying for and managing funding for new educational programmes;
- h) managing processes related to school reviews, teacher assessment and education planning in primary and secondary schools;
- i) preparing and overseeing the preparation of reports and information papers;
- j) managing the provision of education in rural or remote areas, or within specific institutions;
- k) performing related tasks; and
- l) managing, planning, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: (refer to index; unit group 1615)

| | |
|---------|-------------------|
| 1615-01 | Education Manager |
| 1615-02 | Chancellor |
| 1615-03 | Principal |
| 1615-04 | Head Teacher |

UNIT GROUP 1616 FINANCIAL AND INSURANCE SERVICES BRANCH MANAGERS

Financial and Insurance Services Branch Managers plan, control and coordinate the branches of institutions that provide financial and insurance services such as banks, credit unions and insurance companies for one or more of their branches or department.

Tasks include:

- a) planning, directing and coordinating the activities of workers in branches, offices or departments such as the establishment of bank branches, brokerage firms, risk and insurance departments, or credit departments;
- b) overseeing the flow of cash and financial instruments;
- c) networking within communities to find and attract new business;

- d) approving or rejecting, or coordinating approval and rejection of credit and commercial, real estate and personal loans;
- e) preparing financial and regulatory reports required by the law, regulations and boards of directors;
- f) establishing procedures for custody and control of assets, records, loan, collateral and securities in order to ensure safekeeping;
- g) managing and formulating policies of financial institutions such as banks, trust companies, savings and loan associations, insurance companies and related financial institutions;
- h) examining, evaluating and processing loan applications;
- i) preparing operational evaluation in risk report for management analysis;
- j) evaluating financial reporting systems, accounting and collection procedures and investment activities and making recommendation for change to procedures, operating systems, budgets and other financial control functions;
- k) submitting delinquent accounts to lawyers or external agencies for collection;
- l) performing related tasks; and
- m) managing, planning, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: (refer to index; unit group 1616)

| | |
|---------|--|
| 1616-01 | Financial and Insurance Branch Manager |
| 1616-02 | Financial Branch Manager |
| 1616-03 | Insurance Branch Manager |
| 1616-04 | Bank Manager |

UNIT GROUP 1617 LEGAL MANAGERS

Legal Managers plan, control and coordinate the operations of establishments concerning legal terminology, procedures and documents.

Tasks include:

- a) planning, analysing and advising on the compliance of the company's business operations with relevant statutory and regulatory requirements and the company's rights;
- b) managing external legal support, if required;
- c) keeping abreast of legal developments affecting the company, its clients and the industry and synthesising the information to incorporate it into the company's transactional practices;
- d) educating company executives about legal and risk management issues;
- e) representing the company and liaising directly with clients and negotiating teams;
- f) formulating, reviewing and negotiating a broad range of contracts;
- g) strategising with company executives prior to client negotiations;
- h) developing and understanding risk mitigation strategies for contractual risks;
- i) developing internal guidelines and knowledge on various legal and business issues;
- j) developing subject matter expertise in areas that benefit the legal group and/or the business (e.g., corporation law, competition law, employment law, data privacy and service line expertise);
- k) supporting, promoting and implementing initiatives as part of the legal team;
- l) planning and implementing policies;
- m) making budgetary estimates;
- n) performing related tasks; and
- o) managing, planning, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: (refer to index; unit group 1617)

| | |
|---------|-----------------------------------|
| 1617-01 | Legal and Risk Management Manager |
| 1617-02 | Legal Manager |

UNIT GROUP 1618 PROPERTY MANAGERS

Property Managers handle fees charged on real estate and raise the investment value of real estate by managing the real estate as well as oversee the performance of income-producing commercial or residential properties to ensure that real estate investments achieve their expected revenues.

Tasks include:

- a) handling the financial operations of the property, ensuring that rent is collected and that mortgages, taxes, insurance premiums, salaries and maintenance bills are paid on time;
- b) supervising the preparation of financial statements and periodic reports to the owners on the status of the property, occupancy rates, expiration dates of leases and other matters;
- c) negotiating contracts for caretaking, security, groundskeeping, rubbish disposal, and other services;
- d) monitoring the performance of contractors and investigating and resolving complaints from residents and tenants when services are not satisfactory;
- e) understanding and complying with relevant legislation, ensuring that renting and advertising practices are not discriminatory, and that the property itself complies with all local, state and federal regulations and building code;
- f) making budgetary estimates;
- g) planning and controlling the use of resources and hiring of workers;
- h) performing related tasks; and
- i) managing, planning, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: (refer to index; unit group 1618)

| | |
|---------|------------------------------|
| 1618-01 | Property Maintenance Manager |
| 1618-02 | Property Manager |
| 1618-03 | Real Estate Manager |

UNIT GROUP 1619 PROFESSIONAL SERVICES MANAGERS NOT ELSEWHERE CLASSIFIED

This unit group covers Professional Services Managers Not Elsewhere Classified in Minor Group 161: Professional Services Managers.

Tasks include:

- a) planning and implementing policies;
- b) making budgetary estimates;
- c) negotiating with suppliers, customers and other organisations;
- d) planning and controlling the use of resources and hiring of workers;
- e) managing daily operations;
- f) performing related tasks; and
- g) managing, planning, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: (refer to index; unit group 1619)

| | |
|---------|--|
| 1619-01 | Production and Operation Manager, Extra Territorial Organisation |
| 1619-02 | Design Manager |

MINOR GROUP 162 OTHER SERVICES MANAGERS

Other Services Managers plan, direct and coordinate the operations of establishments that provide sports and recreational, personal care, security and cultural services.

UNIT GROUP 1621 **SPORTS AND RECREATION CENTRE MANAGERS**

Sport and Recreation Centre Managers plan, direct and coordinate the operations of establishments that provide sports and recreational, travelling and similar services.

Tasks include:

- a) planning, directing and coordinating activities concerning operations and recreational and sports activities;
- b) planning and organising sports and fitness programmes;
- c) ensuring that equipment is kept clean and in good condition;
- d) ensuring the efficient use of resources and the fulfilment of the schedules;
- e) planning and directing daily operations;
- f) controlling expenditure;
- g) establishing and directing operational and administrative procedures;
- h) overseeing the application of work safety and related procedures;
- i) overseeing the selection, training and performance of staff;
- j) representing the department in its dealings with other divisions of the enterprise or with external agencies;
- k) performing related tasks; and
- l) managing, planning, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 1621)*

| | |
|---------|-------------------------|
| 1621-01 | Sports Activity Manager |
| 1621-02 | Recreation Manager |
| 1621-03 | Travel Agency Manager |
| 1621-04 | Park Manager |

UNIT GROUP 1622 **PERSONAL CARE, CLEANING AND RELATED SERVICES MANAGERS**

Personal Care, Cleaning and Related Services Managers plan, direct and coordinate the operations of establishments that provide personal care, cleaning, housekeeping, sanitation and sewerage or similar services.

Tasks include:

- a) planning, directing and coordinating activities concerning personal care, cleaning, sanitation, sewerage and services and related operations;
- b) ensuring the efficient use of resources and the fulfilment of the schedules;
- c) planning and directing daily operations;
- d) controlling expenditure;
- e) establishing and directing operational and administrative procedures;
- f) overseeing the application of related work safety procedures;
- g) overseeing the selection, training and performance of staff;
- h) representing the department in its dealings with other divisions of the enterprise or with external agencies;
- i) planning and implementing policies;
- j) making budgetary estimates;
- k) negotiating with suppliers, customers and other organisations;
- l) planning and controlling the use of resources and hiring of workers;
- m) reporting to owners, if necessary;
- n) performing related tasks; and

- o) managing, planning, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: (refer to index; unit group 1622)

| | |
|----------|---------------------------------|
| 1 622-01 | Personal Care Service Manager |
| 1 622-02 | Cleaning Manager |
| 1 622-03 | Sanitation Manager |
| 1 622-04 | Garbage Disposal System Manager |

UNIT GROUP 1623 SECURITY MANAGERS

Security Managers plan, direct and coordinate the operations of the establishment concerning security.

Tasks include:

- a) planning, formulating and enforcing security policies and regulations;
- b) overseeing the entire security surveillance;
- c) managing all in-house security personnel;
- d) reviewing any procedures or instructions that involve security to ensure all staff members are fully trained to achieve maximum security;
- e) enforcing strict discipline and carrying out investigation into any disciplinary matter among the staff;
- f) resolving safety and security issues promptly, effectively and independently;
- g) supporting, promoting and implementing initiatives as part of the legal team;
- h) negotiating with suppliers, customers and other organisations;
- i) planning and controlling the use of resources and hiring of workers;
- j) reporting to owners, if necessary;
- k) performing related tasks; and
- l) managing, planning, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: (refer to index; unit group 1623)

| | |
|----------|----------------------------|
| 1 623-01 | Security Manager |
| 1 623-02 | Security Operation Manager |

UNIT GROUP 1624 CULTURAL CENTRE, MUSEUM AND LIBRARY MANAGERS

Cultural Centre, Museum and Library Managers plan, direct and coordinate the operations of establishments concerning culture, museum and library.

Tasks include:

- a) planning and organising a wide range of entertainment and cultural activities;
- b) ensuring that equipment are kept clean and in good condition;
- c) keeping abreast of new trends and developments in the creative arts and arranging theatrical productions and performances by bands and orchestras;
- d) overseeing the objects or documentation collected by the museum and conducting research on the collection;
- e) coordinating library operation;
- f) ensuring the efficient use of resources and the fulfilment of the schedules;
- g) planning and directing daily operations;
- h) controlling expenditure;
- i) establishing and directing operational and administrative procedures;
- j) overseeing the application of work safety and related procedures;
- k) overseeing the selection, training and performance of staff;

- l) representing the department in its dealings with other divisions of the enterprise or with external agencies;
- m) performing related tasks; and
- n) managing, planning, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 1624)*

| | |
|---------|------------------|
| 1624-01 | Library Manager |
| 1624-02 | Museum Manager |
| 1624-03 | Archive Manager |
| 1624-04 | Cultural Manager |

UNIT GROUP 1629 OTHER SERVICES MANAGERS NOT ELSEWHERE CLASSIFIED

This unit group covers Other Services Managers Not Elsewhere Classified in Minor Group 162: Other Services Managers.

Tasks include:

- a) planning and implementing policies;
- b) making budgetary estimates;
- c) negotiating with suppliers, customers and other organisations;
- d) planning and controlling the use of human resources and hiring of workers;
- e) managing daily operations;
- f) reporting to owners, if necessary;
- g) performing related tasks; and
- h) managing, planning, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 1629)*



2

PROFESSIONALS



21 SCIENCE AND ENGINEERING PROFESSIONALS**211 PHYSICISTS, CHEMIST AND RELATED PROFESSIONALS**

- 2111 Physicists and Astronomers
- 2112 Meteorologists and Seismologists
- 2113 Chemists
- 2114 Geologists and Geophysicists

212 MATHEMATICIANS, ACTUARIES AND STATISTICIANS

- 2121 Mathematicians, Actuaries and Statisticians

213 LIFE SCIENCE PROFESSIONALS

- 2131 Biologists, Botanists, Zoologists and Related Professionals
- 2132 Farming, Forestry and Fisheries Advisers
- 2133 Environmental Protection Professionals
- 2134 Pharmacologists, Pathologists and Related Professionals

214 ENGINEERING PROFESSIONALS (EXCLUDING ELECTROTECHNOLOGY)

- 2141 Industrial and Production Engineers
- 2142 Civil Engineers
- 2143 Environmental Engineers
- 2144 Mechanical Engineers
- 2145 Chemical Engineers
- 2146 Mining Engineers, Metallurgists and Related Professionals
- 2149 Engineering Professionals (Excluded Electrotechnology) Not Elsewhere Classified

215 ELECTROTECHNOLOGY ENGINEERS

- 2151 Electrical Engineers
- 2152 Electronic Engineers
- 2153 Telecommunications Engineers

216 ARCHITECTS, PLANNERS, SURVEYORS AND DESIGNERS

- 2161 Building Architects
- 2162 Landscape Architects
- 2163 Product and Garment Designers
- 2164 Town and Traffic Planners
- 2165 Cartographers and Surveyors
- 2166 Graphic and Multimedia Designers



217 SHIP, AIRCRAFT AND TRAIN/ LOCOMOTIVE CONTROLLERS

- 2171 Ship Engineers
- 2172 Ship Deck Officers and Pilots
- 2173 Aircraft Pilots and Related Professionals
- 2174 Air Traffic Controllers
- 2175 Train/ Locomotive Controllers
- 2179 Transport Controllers Not Elsewhere Classified

218 MINING, MANUFACTURING & CONSTRUCTION PROFESSIONALS

- 2181 Mining Professionals
- 2182 Manufacturing Professionals
- 2183 Construction Professionals

22 HEALTH PROFESSIONALS

221 MEDICAL DOCTORS

- 2211 Generalist Medical Practitioners
- 2212 Specialist Medical Practitioners

222 NURSING AND MIDWIFERY PROFESSIONALS

- 2221 Nursing Professionals
- 2222 Midwifery Professionals

223 TRADITIONAL AND COMPLEMENTARY MEDICINE PROFESSIONALS

- 2231 Traditional and Complementary Medicine Professionals

224 PARAMEDICAL PRACTITIONERS

- 2241 Paramedical Practitioners

225 VETERINARIANS

- 2251 Veterinarians

226 OTHER HEALTH PROFESSIONALS

- 2261 Dentists
- 2262 Pharmacists
- 2263 Environmental and Occupational Health and Hygiene Professionals
- 2264 Physiotherapists

2265 Dieticians and Nutritionists
2266 Audiologists and Speech Therapist
2267 Optometrists and Ophthalmic Opticians
2268 Occupational Therapists
2269 Health Professionals Not Elsewhere Classified

23 TEACHING PROFESSIONALS

231 UNIVERSITY AND HIGHER EDUCATION TEACHING PROFESSIONALS

2311 University and Higher Education Teaching Professionals

232 VOCATIONAL EDUCATION TEACHERS

2321 Vocational Education Teachers

233 SECONDARY EDUCATION TEACHERS

2331 Secondary Education Teachers

234 PRIMARY SCHOOL AND EARLY CHILDHOOD TEACHERS

2341 Primary School Teachers
2342 Early Childhood Educators

235 MUSIC, ARTS AND PERFORMING ARTS TEACHERS

2351 Music Teachers
2352 Arts Teachers
2353 Performing Arts Teachers

236 LANGUAGE TEACHERS

2361 Language Teachers

237 RELIGIOUS TEACHERS

2371 Religious Teachers

238 TECHNOLOGY SKILL AND TECHNICAL TRAINERS

2381 Vocational Training Officers



239 OTHER TEACHING PROFESSIONALS

- 2391 Education Method Specialists
- 2392 Special Needs Teachers
- 2393 Information Technology Trainers
- 2399 Teaching Professionals Not Elsewhere Classified

24 BUSINESS AND ADMINISTRATION PROFESSIONALS

241 FINANCE PROFESSIONALS

- 2411 Accountants
- 2412 Financial and Investment Advisers
- 2413 Financial Analysts

242 ADMINISTRATION PROFESSIONALS

- 2421 Management and Organization Analysts
- 2422 Policy Administration Professionals
- 2423 Personnel and Career Professionals
- 2424 Training and Staff Development Professionals
- 2425 Administrative Professionals
- 2426 Research and Development Professional

243 SALES, MARKETING AND PUBLIC RELATIONS PROFESSIONALS

- 2431 Advertising and Marketing Professionals
- 2432 Public Relations Professionals
- 2433 Technical and Medical Sales Professionals (Excluding ICT)
- 2434 Information and Communications Technology (ICT) Sales Professionals

25 INFORMATION AND COMMUNICATIONS TECHNOLOGY PROFESSIONALS

251 SOFTWARE AND APPLICATION DEVELOPERS AND ANALYSTS

- 2511 Systems Analysts
- 2512 Software Developers
- 2513 Web and Multimedia Developers
- 2514 Application Programmers
- 2519 Software and Application Developers and Analysts Not Elsewhere Classified

252 DATABASE AND NETWORK PROFESSIONALS

- 2521 Database Designers and Administrators
- 2522 Information Technology System Administrators
- 2523 Computer Network Professionals
- 2529 Database and Network Professionals Not Elsewhere Classified

26 LEGAL PROFESSIONALS**261 LEGAL PROFESSIONALS**

- 2611 Lawyers
- 2612 Judges
- 2619 Legal Professionals Not Elsewhere Classified

27 HOSPITALITY AND RELATED SERVICES PROFESSIONALS**271 HOTEL AND RESTAURANT PROFESSIONALS**

- 2711 Hotel Professionals
- 2712 Restaurant Professionals

28 SOCIAL AND CULTURAL PROFESSIONALS**281 LIBRARIANS, ARCHIVISTS AND CURATORS**

- 2811 Archivists and Curators
- 2812 Librarians and Related Information Professionals

282 SOCIAL AND RELIGIOUS PROFESSIONALS

- 2821 Economists
- 2822 Sociologists, Anthropologists and Related Professionals
- 2823 Philosophers, Historians and Political Scientist
- 2824 Psychologists
- 2825 Social Work and Counselling Professionals
- 2826 Religious Professionals

283 AUTHORS, JOURNALISTS AND LINGUISTS

- 2831 Authors and Related Writers
- 2832 Journalists
- 2833 Translators, Interpreters and Other Linguists



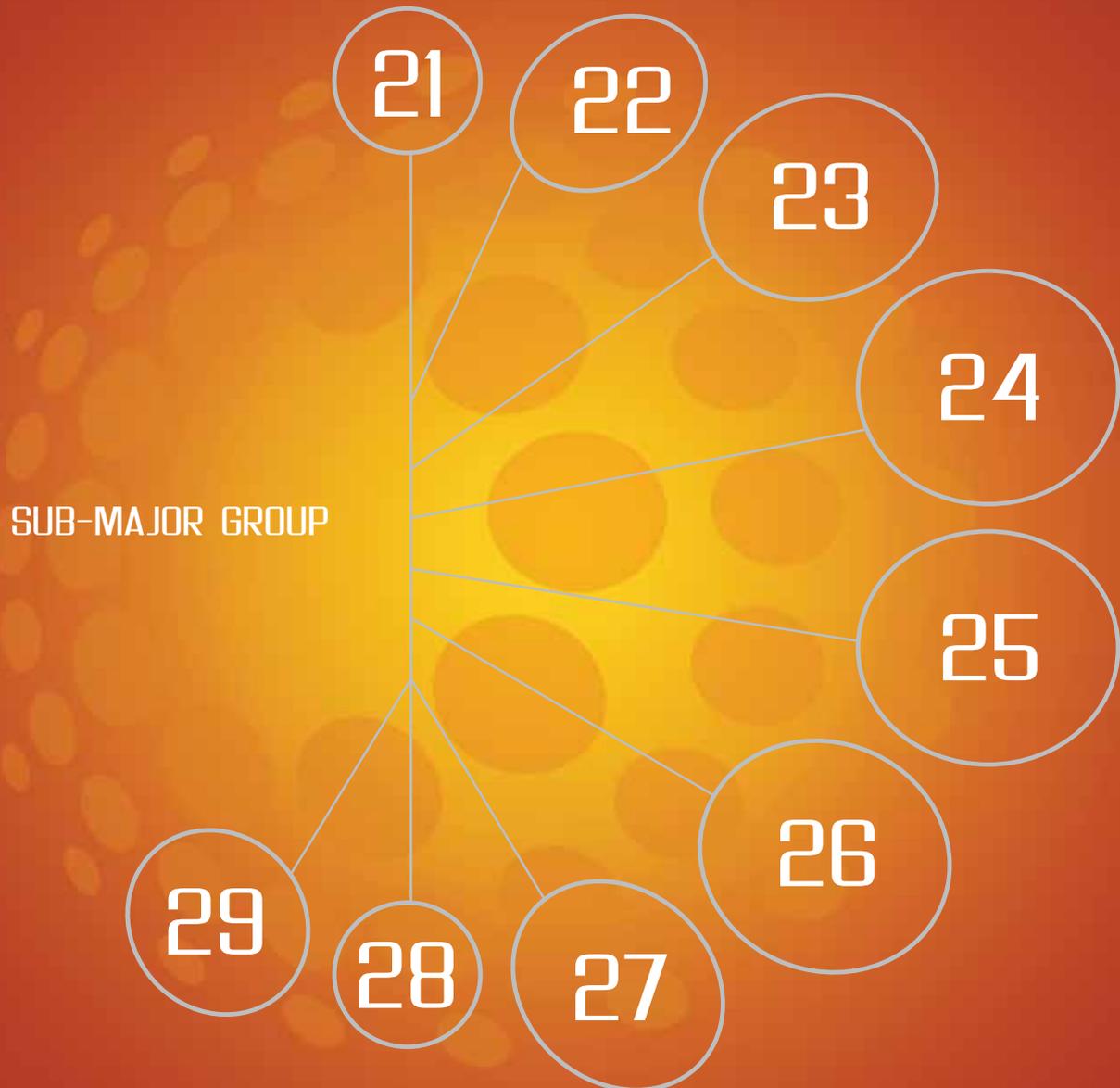
284 CREATIVE AND PERFORMING ARTISTS

- 2841 Visual Artists
 - 2842 Musicians, Singers and Composers
 - 2843 Dancers and Choreographers
 - 2844 Film, Stage and Related Directors and Producers
 - 2845 Actors
 - 2846 Announcers on Radio, Television and Other Media
 - 2847 Clowns, Magicians, Acrobats and Related Professionals
 - 2848 Animal Keepers and Trainers
 - 2849 Creative and Performing Artists Not Elsewhere Classified
-

29 REGULATORY GOVERNMENT PROFESSIONALS

291 REGULATORY GOVERNMENT PROFESSIONALS

- 2911 Professional Customs and Border Inspectors
- 2912 Professional Taxation and Excise Officials
- 2913 Professional Government Social Benefits Officials
- 2914 Professional Government Licensing Officials
- 2915 Professional Police Inspectors and Detectives
- 2916 Professional Civil Defence Officials
- 2919 Regulatory Government Professionals Not Elsewhere Classified



- 21. SCIENCE AND ENGINEERING PROFESSIONALS
- 22. HEALTH PROFESSIONALS
- 23. TEACHING PROFESSIONALS
- 24. BUSINESS AND ADMINISTRATION PROFESSIONALS
- 25. INFORMATION AND COMMUNICATIONS TECHNOLOGY PROFESSIONALS
- 26. LEGAL PROFESSIONALS
- 27. HOSPITALITY AND RELATED SERVICES PROFESSIONALS
- 28. SOCIAL AND CULTURAL PROFESSIONALS
- 29. REGULATORY GOVERNMENT PROFESSIONALS

Description

Increase the existing stock of knowledge, apply scientific or artistic concepts and theories, teach about the foregoing in a systematic manner, or engage in any combination of these three activities

Skill Level

Most occupations in this major group require skills at the fourth level

SUB-MAJOR 21 SCIENCE AND ENGINEERING PROFESSIONALS

Science and Engineering Professionals conduct research, improve or develop concepts, theories and operational methods, or apply scientific knowledge relating to fields such as physics, astronomy, meteorology, chemistry, geophysics, geology, mathematics, statistics, electrotechnology, architecture, engineering and technology.

MINOR GROUP 211 PHYSICISTS, CHEMISTS AND RELATED PROFESSIONALS

Physicists, Chemists and Related Professionals conduct research, improve or develop concepts, theories and operational methods, or apply scientific knowledge relating to physics, astronomy, meteorology, chemistry, geology and geophysics.

UNIT GROUP 2111 PHYSICISTS AND ASTRONOMERS

Physicists and Astronomers conduct research, improve or develop concepts, theories and operational methods, or apply scientific knowledge relating to physics and astronomy in industrial, medical, military or other fields.

Tasks include:

- a) conducting research and improving or developing concepts, theories and operational methods related to physics and astronomy;
- b) conducting experiments, tests and analyses in fields such as mechanics, thermodynamics, optics, sonic, electricity, magnetism, electronics and nuclear physics, or astronomy;
- c) conducting experiments, tests and analyses of the structure and properties of matter in solid state and its behaviour under temperature, pressure, stress and other conditions;
- d) evaluating results of investigations and experiments and expressing conclusions, mainly using mathematical techniques and models;
- e) developing or improving industrial, medical, military and other practical applications of the principles and techniques of physics or astronomy;
- f) observing, analysing and interpreting celestial phenomena and developing methods and techniques to be used in fields such as navigation or space exploration;
- g) preparing scientific papers and reports;
- h) enhancing knowledge and coordinating work implementation; and
- i) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 2111)*

| | |
|---------|------------------------|
| 2111-01 | Physicist |
| 2111-02 | Physicist, Theoretical |
| 2111-03 | Aerodynamicist |
| 2111-04 | Ballistician |

UNIT GROUP 2112 METEOROLOGISTS AND SEISMOLOGISTS

Meteorologists and Seismologists conduct research, improve or develop concepts, theories and operational methods related to the composition, structure and dynamics of the atmosphere and prepare detailed or long-term weather forecasts used in aviation, shipping, agriculture and other areas and for the information of the general public.

Tasks include:

- a) issuing weather forecasts, weather warnings, monitoring and issuing information about earthquakes and tsunamis so that property damage and deaths can be reduced;
- b) analysing weather changes professionally and identifying impacts and measures to reduce the impacts, analysing meteorological charts and conducting research on weather phenomena to reduce the impact of bad weather;
- c) providing advisory services efficiently and effectively to meet customer needs and expectations of interested parties (stakeholders) to increase socio-economic activities for the people and country;
- d) investigating the direction and speed of air movements, pressures, temperatures, humidity and other phenomena such as cloud formation and precipitation, electrical disturbances or solar radiation;
- e) analysing and interpreting satellite photographs, remote sensing and other atmospheric phenomena and preparing weather maps and forecasts used in aviation, shipping, agriculture and other areas and for the information of the general public;
- f) preparing warnings relating to atmospheric phenomena such as storms or other hazards to life and property;
- g) studying climatic data and using statistical methods to determine and interpret climatic trends and predict changes;
- h) preparing scientific papers and reports;
- i) preparing data, information and advisory services regarding tsunamis and seismology;
- j) issuing early warning information about tremors and tsunamis;
- k) supervising the work of technicians and meteorological observers; and
- l) performing related tasks.

Examples of the occupations classified here: (*refer to index; unit group 2112*)

| | |
|---------|---|
| 2112-01 | Meteorological Officer, Grade C41 |
| 2112-02 | Assistant Meteorological Officer, Grade C27 |
| 2112-03 | Meteorologist |
| 2112-04 | Climatologist |

UNIT GROUP 2113 CHEMISTS

Chemists conduct research, improve or develop concepts, theories and operational methods, or apply scientific knowledge relating to chemistry, mainly to test, develop and improve materials, and industrial products and processes.

Tasks include:

- a) managing adjustment tasks and film examination;
- b) monitoring the status of sanitation, food production safety, assisting in the planning, coordination and evaluation of food industry education and consumer education, providing technical support in food technology aspects in planning, implementing legislation, training and other needs;

- c) conducting experiments, tests and analyses to investigate chemical composition and energy and chemical changes in various natural, artificial or synthetic substances, materials and products;
- d) evaluating results of investigations and experiments and deriving conclusions;
- e) managing and directing chemical laboratories including the verification, classification, investigation and certification of products, standards or process specifications;
- f) developing practical applications of experimental and research findings;
- g) developing or improving pharmaceutical and other industrial materials, products and processes;
- h) developing and monitoring quality control procedures for manufacturers or users;
- i) preparing laboratory reports and scientific papers;
- j) enhancing understanding, coordinating and training laboratory technicians; and
- k) performing related tasks.

Examples of the occupations classified here: [\(refer to index; unit group 2113\)](#)

| | |
|---------|------------------------------------|
| 2113-01 | Film Lab Officer, Grade C41 |
| 2113-02 | Food Technology Officer, Grade C41 |
| 2113-05 | Chemist |
| 2113-06 | Chemist, Rubber |

UNIT GROUP 2114 GEOLOGISTS AND GEOPHYSICISTS

Geologists and Geophysicists conduct research, improve or develop concepts, theories and operational methods, or apply scientific knowledge relating to geology and geophysics in such fields as oil, gas and mineral exploitation, water conservation, civil engineering, telecommunications and navigation, and assess development projects and the effects of waste disposal on the environment.

Tasks include:

- a) conducting research and analysis of metals, metal source, clay, rocks, minerals and related main elements, coordinating quality control on the design for rock materials and minerals industries and training laboratory assistants;
- b) carrying out geological research and investigation, mapping and geological engineering studies and water sources as well as providing consultancy on the use and development of land;
- c) administering and conducting enforcement of the mines;
- d) studying the composition and structure of the earth's crust, examining rocks, minerals, fossil remains, etc to determine processes affecting the development of the earth, tracing evolution and establishing the nature and chronology of geological formations;
- e) interpreting research data and preparing geological reports, maps, charts and diagrams;
- f) applying results of research to assess development potential of mineral, gas and oil deposits and underground water resources;
- g) applying geological knowledge to problems encountered in civil engineering projects such as the construction of dams, bridges, tunnels and large buildings;
- h) investigating and measuring seismic, gravitational, electrical, thermal and magnetic forces affecting the earth;
- i) investigating and measuring optical and acoustic phenomena in the atmosphere;
- j) charting the earth's magnetic field and applying this and other collected data for purposes of broadcast and navigation;
- k) studying and measuring the physical properties of the sea and atmosphere and their inter-relationship such as the exchange of thermal energy;

- l) locating and determining the nature and extent of oil, gas and mineral deposits and of ground water resources using seismological, gravimetric, magnetic, electrical or radiometric methods;
- m) preparing laboratory reports and scientific papers;
- n) enhancing knowledge and coordinating work performance; and
- o) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 2114)*

| | |
|---------|--|
| 2114-01 | Geology Officer (Geophysics/ Geology), Grade C41 |
| 2114-02 | Mineral Officer, Grade C41 |
| 2114-06 | Geophysicist |
| 2114-07 | Geologist |

MINOR GROUP 212 MATHEMATICIANS, ACTUARIES AND STATISTICIANS

Mathematicians, Actuaries and Statisticians conduct research, improve or develop mathematical, actuarial and statistical concepts, theories and operational models and techniques.

UNIT GROUP 2121 MATHEMATICIANS, ACTUARIES AND STATISTICIANS

Mathematicians, Actuaries and Statisticians conduct research and improve or develop mathematical, actuarial and statistical concepts, theories, operational methods, and techniques, and advise on or engage in their practical application in such fields as engineering, business, social and other sciences.

Tasks include:

- a) performing tasks related to demographics, statistics and research information, insurance matters, compensation and social security and trust law matters, provident fund and pension fund schemes;
- b) managing the programmes and activities for collection, processing, analysis, reporting and dissemination of data in macroeconomic, trade, population, demography, labour, environment and other fields that are required from time to time for development planning and administration of the country;
- c) advising on or applying mathematical principles, models and techniques to a wide range of tasks in the fields of engineering, natural, social or life sciences;
- d) conducting logical analyses to resolve management problems, especially in terms of input-output effectiveness: formulating mathematical models of each problem, usually for programming and solution by computer;
- e) planning and organising surveys and other statistical collections, and designing questionnaires;
- f) evaluating, processing, analysing and interpreting statistical data and preparing them for publication;
- g) preparing scientific papers and reports;
- h) performing related tasks; and
- i) enhancing knowledge and coordinating the work performance.

Examples of the occupations classified here: *(refer to index, unit group 2121)*

| | |
|---------|------------------------------------|
| 2121-01 | Actuarial Officer, Grade W41 |
| 2121-02 | Statistician, Grade E41 |
| 2121-04 | Mathematician |
| 2121-05 | Mathematician, Applied Mathematics |

MINOR GROUP 213 LIFE SCIENCE PROFESSIONALS

Life Science Professionals apply knowledge gained from research into human, animal and plant life and their interactions with one another and the environment to develop new knowledge, improve agricultural and forestry production, and solve human health and environmental problems.

UNIT GROUP 2131 **BIOLOGISTS, BOTANISTS, ZOOLOGISTS AND RELATED PROFESSIONALS**

Biologists, Botanists, Zoologists and Related Professionals conduct research, improve or develop concepts, theories and operational methods, and study living organisms and their interactions with one another and with the environment, and apply this knowledge to solve human health and environmental problems. They work in diverse fields such as botany, zoology, ecology, marine biology, genetics, immunology, pharmacology, toxicology, physiology, bacteriology and virology.

Tasks include:

- a) conducting research, improving or developing concepts, theories and operational methods in their respective fields;
- b) conducting field and laboratory experiments concerning all forms of life by identifying and classifying human, animal, insect or plant specimens, and studying their origins, development, chemical and physical forms, structures, compositions, and life and reproductive processes;
- c) studying and conducting experiments concerning the structure, development and characteristics of micro-organisms such as bacteria or viruses;
- d) studying all forms of plant/animal life and developing practical applications in fields such as agriculture and medicine;
- e) studying and conducting experiments concerning the structure and functions of living cells and the influence of physical and chemical factors upon normal and abnormal cells;
- f) studying the inter-relationships of animal and plant life and the environmental factors involved and offering professional advice in related disciplines;
- g) developing industrial, medical and other applications of knowledge in their respective fields;
- h) preparing laboratory reports and scientific papers;
- i) enforcing the law under the Wildlife Protection Act 76/72 and carrying out control over, research on and compilation of wildlife;
- j) enhancing knowledge, coordinating and training laboratory technicians; and
- k) performing related tasks.

Examples of the occupations classified here: ([refer to index, unit group 2131](#))

| | |
|---------|---------------------------------------|
| 2131-01 | Wildlife Officer, Grade G41 |
| 2131-02 | Assistant Wildlife Officer, Grade G27 |
| 2131-03 | Immunologist |
| 2131-04 | Microbiologist |

UNIT GROUP 2132 **FARMING, FORESTRY AND FISHERIES ADVISERS**

Farming, Forestry and Fisheries Advisers study, provide assistance and advice on farm, forestry and fisheries management, including cultivation, fertilisation, harvesting, soil erosion and composition, disease prevention, nutrition, crop rotation and marketing. They develop techniques for increasing productivity, and study and develop plans and policies for land and fisheries management.

Tasks include:

- a) planning, coordinating and carrying out all activities and programmes encompassing aspects of research, development, education, management and protection of fisheries resources to develop the country's fisheries industry; offering technical and engineering expertise for such purposes as vessel building and maintenance;
- b) planning, organising and controlling the forestry activities in line with the regulations and policies of the government;
- c) keeping abreast of the progress of methods and techniques of farming, forestry and fisheries;
- d) offering advice on ways of raising quality of output, increasing yield and measures to increase efficiency of operations and to conserve natural assets and the environment;
- e) visiting farms and advising on measures to deal with problems such as soil erosion or pest infestation;
- f) collecting data and estimating quantities and costs of materials and labour required for projects;
- g) organising demonstrations, giving lectures, writing and distributing materials to promote adoption of improved practices and techniques;
- h) applying knowledge of scientific principles and practices in order to identify and solve problems arising in the course of their work;
- i) performing related tasks; and
- j) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: [\(refer to index, unit group 2132\)](#)

| | |
|---------|----------------------------------|
| 2132-01 | Fisheries Officer, Grade G41 |
| 2132-02 | Conservator of Forest, Grade G41 |
| 2132-09 | Agricultural Officer |
| 2132-10 | Planting Adviser |

UNIT GROUP 2133 ENVIRONMENTAL PROTECTION PROFESSIONALS

Environmental Protection Professionals study and assess the effects of human activity on the environment such as air, water and noise pollution, soil contamination, climate change, toxic waste and depletion and degradation of natural resources. They develop plans and solutions to protect, conserve, preserve, minimise and prevent further damage to the environment.

Tasks include:

- a) undertaking research in laboratories and in the field to increase scientific knowledge of living organisms; to discover new information; to test hypotheses; to solve problems in areas such as the environment, agriculture and health; and to develop new products, processes and techniques for pharmaceutical, agricultural and environmental use;
- b) gathering human, animal, insect and plant data and specimens, and studying their origins, development, chemical and physical forms, structures, compositions, and life and reproductive processes;
- c) examining living organisms using a variety of specialised equipment, instruments, technologies and techniques such as electron microscopes, telemetry, global positioning systems, biotechnology, satellite imaging, genetic engineering, digital imaging analysis, polymerase chain reaction and computer modelling;
- d) identifying, classifying, recording and monitoring living organisms and maintaining databases;

- e) writing scientific papers and reports detailing research and any new findings which are then made available to the scientific community in scientific journals or at conferences for scrutiny and further debate;
- f) designing and carrying out environmental impact assessments to identify changes caused by natural or human factors;
- g) providing advice to the government, organisations and businesses in areas such as conservation, management of natural resources, the effects of climate change and pollution; and
- h) enforcing the Environmental Quality Act 1974 and the regulations thereunder and the Exclusive Economic Zone Act 1984 and the regulations thereunder; and
- i) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index, unit group 2133)*

| | |
|---------|--|
| 2133-01 | Environmental Control Officer, Grade C41 |
| 2133-02 | Agronomist |
| 2133-03 | Crop Research Scientist |
| 2133-04 | Agricultural Scientist |

UNIT GROUP 2134 PHARMACOLOGISTS, PATHOLOGISTS AND RELATED PROFESSIONALS

Pharmacologists, Pathologists and Related Professionals conduct research, improve or develop concepts, theories and operational methods, and apply scientific knowledge relating to anatomy, biochemistry, biophysics, physiology, pathology or pharmacology in such fields as medicine, agriculture or industry.

Tasks include:

- a) studying and conducting concerning the forms, structures and other anatomical characteristics of living organisms;
- b) studying and conducting experiments concerning the chemical compositions and processes of living organisms;
- c) studying and conducting experiments concerning the life processes and functions of human, animal or plant organs, tissues, cells, glands and systems under normal and abnormal or exceptional conditions;
- d) studying and conducting experiments concerning the structures, development and characteristics of micro-organisms such as bacteria or viruses;
- e) studying and conducting experiments concerning the nature, causes and development of human, animal or plant diseases and disorders;
- f) studying and conducting experiments concerning the effects of drugs and other substances on the tissues, organs and physiological processes of human beings and animals, and improving existing or developing new drugs;
- g) developing industrial, medical and other applications of knowledge in their respective fields;
- h) preparing laboratory reports and scientific papers;
- i) enhancing knowledge, coordinating and training laboratory technicians; and
- j) performing related tasks.

Examples of the occupations classified here: *(refer to index, unit group 2134)*

| | |
|---------|----------------------|
| 2134-01 | Anatomist |
| 2134-02 | Biochemist |
| 2134-03 | Biochemist, Enzymes |
| 2134-04 | Biochemist, Clinical |

MINOR GROUP 214 ENGINEERING PROFESSIONALS (EXCLUDING ELECTROTECHNOLOGY)

Engineering Professional (Excluding Electrotechnology) design, plan and organise the structure of testing, construction, installation and maintenance of machines and their components, and plant and production systems, and plan production schedules and work procedures to ensure engineering projects are undertaken safely, efficiently and in a cost effective manner.

UNIT GROUP 2141 INDUSTRIAL AND PRODUCTION ENGINEERS

Industrial and Production Engineers plan, conduct research, design and oversee the construction, operation and maintenance process and installation of plants. They establish programmes for the coordination of manufacturing activities and assess the cost effectiveness and safety.

Tasks include:

- a) establishing standards and policies for installation, modification, quality control, testing, inspection and maintenance according to engineering principles and safety regulations;
- b) consulting with management and supervisory personnel and advising on planning and production methods;
- c) developing sophisticated factory automation and mechanisation projects and recommending long-term automation strategies;
- d) advising on methods to promote efficient, safe and economic utilisation of personnel, materials and equipment;
- e) making recommendations regarding methods of work and sequence of operations;
- f) making recommendations and supervising from the aspects of time and organisation of work;
- g) advising on the most efficient layout for the plant or establishment;
- h) identifying potential hazards and introducing safety procedures and devices;
- i) preparing and monitoring cost estimates and bills of quantities for architectural and construction projects;
- j) studying and advising on technological aspects of the manufacturing process;
- k) performing related tasks; and
- l) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index, unit group 2141)*

| | |
|---------|---------------------|
| 2141-01 | Automation Engineer |
| 2141-02 | Robotics Engineer |
| 2141-03 | Industrial Engineer |
| 2141-04 | Production Engineer |

UNIT GROUP 2142 CIVIL ENGINEERS

Civil Engineers plan, conduct research, advise on, design and direct construction activity; manage the operation and maintenance of civil engineering structures; or study and advise on technological aspects of particular materials.

Tasks include:

- a) carrying out maintenance and upgrading of all buildings and public facilities and supervising engineering related issues;
- b) advising on and designing structures such as bridges, dams, docks, roads, airports, railways, pipelines, waste disposal and flood control systems, and industrial and other large buildings;
- c) determining and specifying construction methods, materials and quality standards, and directing construction work;

- d) establishing control systems to ensure efficient functioning of structures as well as safety and environmental protection;
- e) organising and directing site labour and the delivery of construction materials, plant and equipment needed for construction projects;
- f) administering contracts and verifying and certifying the satisfactory completion of construction;
- g) studying and advising on technological aspects of particular materials/processes or systems related to civil engineering work;
- h) maintaining technical liaison and consultancy with other relevant specialists;
- i) supervising the testing and commissioning of completed work; and
- j) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: ([refer to index, unit group 2142](#))

| | |
|---------|---|
| 2142-01 | Engineer (Civil), Grade J41 |
| 2142-02 | Executive Officer (Engineering), Grade 41 |
| 2142-10 | Engineer |
| 2142-11 | Technologist |

UNIT GROUP 2143 ENVIRONMENTAL ENGINEERS

Environmental Engineers conduct research, advise on, design and direct implementation of solutions to prevent, control or remedy negative impacts of human activity on the environment utilising a variety of engineering disciplines. They conduct environmental assessments of construction and civil engineering projects and apply engineering principles to pollution control, recycling and waste disposal.

Tasks include:

- a) studying the environmental impact of proposed construction projects;
- b) conducting hazardous waste management studies to evaluate the hazards, advise on treatment and prevention, and develop regulations to prevent mishaps;
- c) designing municipal water supply and industrial wastewater treatment systems as well as being aware of local and international environmental issues such as the effects of acid rain, ozone depletion, water pollution and air pollution from automobile exhausts and industrial sources;
- d) studying the effects of such factors as terrain, altitude, climatic conditions, sources of nutrition and predators on animal and plant life;
- e) investigating the structure of communities of organisms and predicting the effects of disturbances by humans or environmental changes;
- f) managing forest, recreational and natural resources to maximise their long-term commercial benefit for the community;
- g) researching into field crops and grasses and developing new or improved cultivation methods;
- h) researching into horticultural crops and developing new or improved cultivation methods;
- i) performing related tasks; and
- j) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: ([refer to index, unit group 2143](#))

| | |
|---------|--------------------------------------|
| 2143-01 | Environmental Engineer |
| 2143-02 | Sewerage and Sanitation Engineer |
| 2143-03 | Air Pollution Control Engineer |
| 2143-04 | Environmental Remediation Specialist |

UNIT GROUP 2144 MECHANICAL ENGINEERS

Mechanical Engineers conduct research and advise on design, and direct the production of machinery and equipment and industrial plant systems, and advise on and direct their functioning, maintenance and repairs, or study and advise on technological aspects of particular materials, products or processes.

Tasks include:

- a) advising on and designing machinery and tools for manufacturing, mining, construction, agricultural work and other industrial purposes;
- b) advising on and designing steam, internal combustion and other non-electric motors and engines used for propulsion of locomotives, land vehicles or aircraft, or for driving industrial or other machinery;
- c) advising on and designing ship propulsion systems, power plants, heating and ventilation systems, steering gear, pumps and other mechanical equipment;
- d) advising on and designing hulls and superstructures of ships and other vessels;
- e) advising on and designing airframes, undercarriages and other equipment for aircraft;
- f) advising on and designing land vehicle bodies, suspension systems, brakes and other components;
- g) advising on and designing heating, ventilation and refrigeration systems and equipment;
- h) advising on and designing mechanical plants and equipment for the release, control and utilisation of nuclear energy;
- i) advising on and designing non-electrical parts or products such as word processors, computers, precision instruments, cameras and projectors;
- j) establishing control standards and procedures to ensure efficient functioning and safety of machinery, tools, motors, engines and industrial plants, equipment or systems;
- k) performing related tasks; and
- l) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: ([refer to index, unit group 2144](#))

| | |
|---------|--|
| 2144-01 | Engineer (Mechanical), Grade J41 |
| 2144-02 | Assistant Engineer (Mechanical), Grade J29 |
| 2144-03 | Mechanical Engineering Technologist |
| 2144-04 | Mechanical Engineer |

UNIT GROUP 2145 CHEMICAL ENGINEERS

Chemical Engineers conduct research and develop, design and advise on and direct commercial-scale chemical processes and production of various substances and items such as crude oil, petroleum derivatives, food and drink products, medicaments or synthetic materials, and direct maintenance and repair of industrial plants, or study and advise on technological aspects of particular materials, products or processes.

Tasks include:

- a) conducting research, advising on, developing and designing commercial-scale chemical processes and equipment to refine crude oil and other liquids or gases, and to produce substances and items such as petroleum derivatives, explosives, food and drink products, medicament or synthetic materials;
- b) specifying relevant aspects of the construction of chemical manufacturing plants;
- c) specifying production methods, material and quality standards and ensuring that they conform to specifications;

- d) establishing control standards and procedures to ensure safety, environmental protection and efficiency in manufacturing operations and processes;
- e) locating and correcting malfunctions;
- f) organising and advising on maintenance and repair of existing equipment;
- g) studying and advising on technological aspects of particular materials, products or processes;
- h) maintaining good relations and holding technical consultancy with other relevant specialists;
- i) preparing analytical reports;
- j) performing related tasks; and
- k) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index, unit group 2145)*

| | |
|---------|-----------------------------------|
| 2145-01 | Engineer (Chemical), Grade J41 |
| 2145-02 | Chemical Engineering Technologist |
| 2145-03 | Chemical Process Technologist |
| 2145-04 | Chemical Engineer |

UNIT GROUP 2146 MINING ENGINEERS, METALLURGISTS AND RELATED PROFESSIONALS

Mining Engineers, Metallurgists and Related Professionals conduct research, design and develop and maintain commercial-scale methods of extracting metals from their ores or minerals, water and oil or gas from the earth and of developing new alloys, ceramic and other materials, or study and advise on technological aspects of particular materials, products or processes.

Tasks include:

- a) conducting research, advising on, designing and developing new or improved methods to deal with engineering aspects of mining and oil, gas or water extraction;
- b) determining the most efficient methods of mining and extraction, types of machinery to be used, layout planning and directing construction of shafts and tunnels;
- c) determining drilling sites and devising methods of controlling the flow of water, oil or gas from wells;
- d) planning and directing storage, initial treatment and transport of water, oil or gas;
- e) establishing safety standards and procedures and first aid facilities, especially underground;
- f) conducting research, developing methods of extracting metals from their ores and advising on their application;
- g) investigating properties of metals and alloys, developing new alloys and advising on and supervising technical aspects of metal and alloy manufacture and processing;
- h) studying and advising on technological aspects of particular materials or processes;
- i) maintaining technical liaison and consultancy with other relevant specialists, in particular with geologists and geophysicists;
- j) preparing operating expense budget to evaluate the economic feasibility of production processes;
- k) performing related tasks; and
- l) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index, unit group 2146)*

| | |
|---------|---------------------------|
| 2146-01 | Mining Engineer |
| 2146-02 | Metal Mining Engineer |
| 2146-03 | Coal Mining Engineer |
| 2146-04 | Non-Metal Mining Engineer |

UNIT GROUP 2149 ENGINEERING PROFESSIONALS (EXCLUDING ELECTROTECHNOLOGY) NOT ELSEWHERE CLASSIFIED

This unit group covers Engineering Professionals (Excluding Electrotechnology) Not Elsewhere Classified in Minor Group 214: Engineering Professionals (Excluding Electrotechnology).

Tasks include:

- a) quantity surveying of plans for bid, contract, contract assessment and other related tasks;
- b) reviewing the design and inspection of pressure vessels, hoisting machinery and safety devices for machinery used in construction and in the workplace;
- c) on-site inspection of building construction and engineering works;
- d) investigating complaints and accidents in the workplace and reporting and monitoring industrial health;
- e) implementing building construction surveying and surveying work prior to construction;
- f) designing devices used in various medical procedures, imaging systems such as magnetic resonance imaging, and devices for automating insulin injections or controlling body functions;
- g) designing components of optical instruments such as lenses, microscopes, telescopes, lasers, optical disc systems and other equipment that utilise the properties of light;
- h) designing, testing and coordinating the manufacture of explosive ordnance to meet military procurement specifications;
- i) designing and overseeing construction and operation of nuclear reactors and power plants and nuclear fuel reprocessing and reclamation systems;
- j) designing and developing nuclear equipment such as reactor cores, radiation shielding and associated instrumentation and control mechanisms;
- k) assessing damage and providing budget calculations for marine salvage operations;
- l) studying and advising on engineering aspects of particular manufacturing processes;
- m) identifying potential hazards and introducing safety procedures and devices;
- n) performing related tasks; and
- o) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: [\(refer to index; unit group 2149\)](#)

| | |
|---------|------------------------------|
| 2149-01 | Quantity Surveyor, Grade J41 |
| 2149-02 | Building Surveyor, Grade J41 |
| 2149-08 | Quantity Surveyor |
| 2149-09 | Project Engineer |

MINOR GROUP 215 ELECTROTECHNOLOGY ENGINEERS

Electrotechnology Engineers conduct research and design, advise on, plan and direct the construction and operation of electronic, electrical and telecommunications systems, components, motors and equipment. They establish control systems to monitor the performance and safety of electrical and electronic assemblies.

UNIT GROUP 2151 ELECTRICAL ENGINEERS

Electrical Engineers conduct research and advise on, design and direct the construction and operation of electrical systems, components, motors and equipment, and advise on and direct their maintenance and repair, or study and advise on technological aspects of electrical engineering materials, products and processes.

Tasks include:

- a) planning and designing the manufacture and installation of electric power equipment and facilities;
- b) determining the type and arrangement of circuits, transformers, circuit breakers, transmission lines and other equipment;
- c) advising on and designing systems for electrical motors, electric traction devices and other equipment or domestic electrical appliances;
- d) interpreting specifications, standards and regulations relating to electric power equipment and use;
- e) organising and managing resources used in electrical components, machines, appliances and equipment;
- f) establishing delivery and installation schedules for machines, switchgear, cables and fittings;
- g) supervising the operation and maintenance of power stations, transmission and distribution systems and industrial plants;
- h) establishing control standards and procedures to ensure efficient functioning and safety of electrical generating and distribution systems;
- i) locating and correcting malfunctions;
- j) performing related tasks; and
- k) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: [\(refer to index, unit group 2151\)](#)

| | |
|---------|--------------------------------------|
| 2151-01 | Engineer (Electrical), Grade J41 |
| 2151-02 | Assistant Engineer (Electrical), J29 |
| 2151-03 | Electrical Engineering Technologist |
| 2151-04 | Electrical Engineer |

UNIT GROUP 2152 ELECTRONIC ENGINEERS

Electronic Engineers conduct research on, design and direct the maintenance and repair of electronic systems. They study and advise on technological aspects of electronic engineering materials, products and processes.

Tasks include:

- a) advising on and designing electronic devices, circuits and systems used for computers, communications and control systems and other industrial applications;
- b) designing software especially embedded software to be used in such systems;
- c) developing apparatus and procedures to test electronic components, circuits and systems;
- d) supervising installation and certification of computer and telecommunications systems and ensuring proper control and protection methods;
- e) establishing control standards and procedures to ensure efficient functioning and safety of electronic systems, motors and equipment;
- f) locating and correcting malfunctions;
- g) organising and directing maintenance and repair of existing electronic systems, motors and equipment;
- h) performing related tasks; and
- i) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: [\(refer to index, unit group 2152\)](#)

| | |
|---------|---|
| 2152-01 | Engineer (Electronics), Grade J41 |
| 2152-02 | Assistant Engineer (Electronics), Grade J29 |
| 2152-03 | Electronics Engineering Technologist |
| 2152-04 | Electronics Engineer |

UNIT GROUP 2153 TELECOMMUNICATIONS ENGINEERS

Telecommunications Engineers conduct research, design and direct the maintenance, repair of systems and telecommunications equipment. They study and advise on technological aspects of materials, products and processes in telecommunications engineering.

Tasks include:

- a) advising on and designing electronic devices, circuits and systems used for computers, telecommunications and control systems and other industrial applications;
- b) specifying production or installation methods, materials, quality and safety standards and directing production or installation work of telecommunications products and systems;
- c) organising and directing maintenance and repair of existing telecommunications systems, motors and equipment;
- d) researching and advising on telecommunications equipment;
- e) planning and designing communications networks based on wired, fibre optic and wireless communication media;
- f) designing and developing signal processing algorithms and implementing these through appropriate choice of hardware and software;
- g) performing related tasks; and
- h) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index, unit group 2153)*

| | |
|---------|---|
| 2153-01 | Telecommunications Engineer |
| 2153-02 | Telecommunications Engineer, Aerospace |
| 2153-03 | Telecommunications Engineer, Radar |
| 2153-04 | Telecommunications Engineer, Signal Systems |

MINOR GROUP 216 ARCHITECTS, PLANNERS, SURVEYORS AND DESIGNERS

Architects, Planners, Surveyors and Designers plan, advise on and improve or develop concepts, theories and operational methods, or apply existing knowledge of architecture, planning, surveying and design.

UNIT GROUP 2161 BUILDING ARCHITECTS

Building Architects plan, advise on and design recreational, institutional, residential, commercial and industrial buildings, and plan and monitor their construction, maintenance and rehabilitation.

Tasks include:

- a) planning, receiving and reviewing the project brief, visiting the project site, preparing drawings, sketch drawings, detailed designs, working drawings and specifications;
- b) developing new or improved architectural theories and methods;
- c) consulting with clients and making recommendations regarding type, style, size and other aspects of construction;
- d) designing buildings and preparing construction drawings and plans;
- e) identifying and finding the best solutions for problems regarding function and quality of interior environments of buildings and making the necessary designs, drawings and plans;
- f) inspecting construction work in progress to ensure compliance with plans, specifications and quality standards;

- g) planning layout and coordinating development of urban areas;
- h) planning and designing the development of land areas for projects such as parks, schools, institutions, airports, roadways and related projects, and for commercial, industrial and residential sites;
- i) preparing reports, site plans, working drawings, specifications and cost estimates for land development, showing location and details of proposals, including ground modelling, structures and vegetation;
- j) supervising the testing and certification of completed works;
- k) performing related tasks; and
- l) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index, unit group 2161)*

| | |
|---------|--|
| 2161-01 | Architect, Grade J41 |
| 2161-02 | Assistant Architectural Officer, Grade J29 |
| 2161-03 | Architect |
| 2161-04 | Interior Architect |

UNIT GROUP 2162 LANDSCAPE ARCHITECTS

Landscape Architects plan and design the recreational, layout of towns and landscapes, and plan and monitor their construction, maintenance and rehabilitation.

Tasks include:

- a) implementing development work design, maintenance, project oversight, designing development plans, public parks, landscapes and providing input to the development plan structures, guidelines and planning and projects carried out;
- b) consulting with clients and making recommendations regarding type, style, size and other aspects of construction;
- c) inspecting construction work in progress to ensure compliance with plans, specifications and quality standards;
- d) planning and designing the development of land areas for projects such as parks, schools, institutions, airports, roadways and related projects, and for commercial, industrial and residential sites;
- e) preparing reports, site plans, working drawings, specifications and cost estimates for land development, showing location and details of proposals, including ground modelling, structures and vegetation;
- f) supervising the testing and certification of completed works;
- g) performing related tasks; and
- h) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index, unit group 2162)*

| | |
|---------|--|
| 2162-01 | Landscape Architect, Grade J41 |
| 2162-02 | Assistant Landscape Architect, Grade J29 |
| 2162-03 | Landscape Architect |

UNIT GROUP 2163 PRODUCT AND GARMENT DESIGNERS

Product and Garment Designers design and develop products for manufacture and prepare designs and specifications of products for mass, batch and one-off production.

Tasks include:

- a) formulating design concepts for clothing, textiles, industrial, commercial products and jewellery;

- b) preparing sketches, diagrams, illustrations, plans, samples and models to obtain concept design;
- c) negotiating the design with clients, the management, and sales and manufacturing staff;
- d) selecting, specifying and recommending materials, production methods and finishes for production;
- e) detailing and documenting the selected design for production;
- f) preparing and determining prototypes and samples;
- g) preparing patterns, programmes and tools, and the manufacturing process;
- h) performing related tasks; and
- i) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: ([refer to index, unit group 2163](#))

| | |
|---------|-----------------------------|
| 2163-01 | Commercial Product Designer |
| 2163-02 | Industrial Product Designer |
| 2163-03 | Fashion Designer |
| 2163-04 | Jewellery Designer |

UNIT GROUP 2164 TOWN AND TRAFFIC PLANNERS

Town and Traffic Planners develop and advise on and design of recreational, institutional, residential, layout of towns, landscapes and traffic systems, and plan and monitor their construction, maintenance and repair.

Tasks include:

- a) planning, preparing, overseeing and coordinating development plan studies and development plans and preparing technical reports and advising on planning inclusive of layout plans;
- b) compiling and analysing sites and community data on geographical aspects, ecology of area, landforms, soils, vegetation, site hydrology, visual characteristics and man-made structures to formulate land use and development recommendations for the preparation of environmental impact statements;
- c) inspecting construction work in progress to ensure compliance with plans, specifications and quality standards;
- d) planning layout and coordinating development of urban areas;
- e) planning and designing the development of land areas for projects such as parks, schools, institutions, airports, roadways and related projects, and for commercial, industrial and residential sites;
- f) planning and advising to facilitate routing, control of roads and traffic systems, and safety;
- g) preparing reports, site plans, working drawings, specifications and cost estimates for land development, showing location and details of proposals, including ground modelling, structures and vegetation;
- h) supervising the testing and certification of completed works;
- i) performing related tasks; and
- j) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: ([refer to index, unit group 2164](#))

| | |
|---------|---|
| 2164-01 | Urban and Rural Planning Officer, Grade J41 |
| 2164-02 | Assistant Urban and Rural Planning Officer, Grade J29 |
| 2164-03 | Town Planner |
| 2164-04 | Urban and Rural Planner |

UNIT GROUP 2165 CARTOGRAPHERS AND SURVEYORS

Cartographers and Surveyors apply surveying methods and techniques to determine the exact position of natural and constructed features and boundaries of land, seas, underground areas and celestial bodies, and prepare or revise digital, graphic and pictorial representations of maps and charts, applying scientific and mathematical principles.

Tasks include:

- a) carrying out surveying, i.e. standard for control traverse survey, control survey, party wall survey, land acquisition survey, urban and rural area survey, classes one and two surveys for issuing land titles, sports court measurements and accuracy probe survey;
- b) reviewing, surveying and describing the land surface for a variety of purposes, including map making, construction work or establishment of property boundaries;
- c) surveying seas, rivers and river beds, delineating underwater surfaces, noting exact positions of various features and making charts and maps to be used specifically in determining navigable waters and channels;
- d) analysing aerial and other photographs, satellite images and survey data to prepare and revise topographic maps and charts, utility maps and other thematic maps;
- e) studying and advising on technical, aesthetic and economic aspects of map production;
- f) supervising the preparation of plans, maps, charts and drawings to give pictorial representations and managing automated information systems;
- g) undertaking research and development of reconnaissance survey and photogrammetry system, cadastral (land tenure) systems and land information systems;
- h) performing related tasks; and
- i) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: ([refer to index, unit group 2165](#))

| | |
|---------|--------------------------|
| 2165-01 | Geospatialist, Grade J41 |
| 2165-02 | Surveyor, Grade J41 |
| 2165-04 | Cartographer |
| 2165-05 | Cartographer, Marine |

UNIT GROUP 2166 GRAPHIC AND MULTIMEDIA DESIGNERS

Graphic and Multimedia Designers design information content for visual and audio communication, publications and display using film, electronic, digital and other forms of visual and audio media. They create special effects, animation, or other visual images for use in computer games, movies, music videos, print media and advertisements.

Tasks include:

- a) carrying out graphic design and multimedia work, exhibitions and publicity in visual form and display work related to art;
- b) creating designs for presentation and production props;
- c) coordinating, planning, preparing designs for publication materials trophies;
- d) formulating design concepts;
- e) preparing sketches, diagrams, illustrations, layouts and design concepts;
- f) designing complex graphics and animation;
- g) creating two- and three-dimensional images depicting objects in motion or illustrating a process, applying computer animation or modelling programme;
- h) negotiating design solutions with clients, the management, sales and production staff;

- i) detailing and documenting the selected design for production;
- j) performing related tasks; and
- k) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index, unit group 2166)*

| | |
|---------|------------------------------------|
| 2166-01 | Designer, Grade B41 |
| 2166-02 | Web Designer |
| 2166-03 | Graphics and Sound Computer Artist |
| 2166-04 | Graphic Designer |

MINOR GROUP 217 SHIP, AIRCRAFT AND TRAIN/ LOCOMOTIVE CONTROLLERS

Ship, Aircraft and Train/ Locomotive Controllers plan and improve or develop concepts, theories and operational methods, or perform technical functions to ensure safety and efficient transport movement and operations, and develop electrical, electromechanical and computerised air control systems.

UNIT GROUP 2171 SHIP ENGINEERS

Ship Engineers control and participate in the operation, maintenance and repair of electrical and electronic equipment and machinery on board, or perform related supporting functions.

Tasks include:

- a) controlling and participating in the operation, maintenance and repair of mechanical, electrical and electronic equipment and machinery on board;
- b) performing technical supervision of the installation, maintenance and repair of ship machinery and equipment to ensure compliance with specifications and regulations;
- c) coordinating tests on equipment and diagnosing faults;
- d) applying knowledge of principles and practices relating to ship machinery and equipment in order to identify and solve problems arising in the course of their work;
- e) inspecting and conducting maintenance and emergency repairs to engines, machinery and auxiliary equipment;
- f) watching over engine room, monitoring and noting performance of engines, machinery and auxiliary equipment;
- g) maintaining records of operation of engineering department;
- h) performing related tasks; and
- i) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index; unit group 2171)*

| | |
|---------|----------------------------|
| 2171-01 | Ship Engineer |
| 2171-02 | Marine Engineer |
| 2171-03 | Ship Construction Engineer |
| 2171-04 | Hovercraft Architect |

UNIT GROUP 2172 SHIP DECK OFFICERS AND PILOTS

Ship Deck Officers and Pilots command and navigate ships and perform related functions in port.

Tasks include:

- a) managing registration of ships, ship safety, safety of navigation, seafarers' and port affairs, maritime technical training, development projects as well as conducting studies and evaluation of international conventions and law of the sea;
- b) commanding and navigating the ship, seagoing or inland waterway vessels by supervising the ship's course and speed according to passage plan and safety;
- c) planning, supervising and coordinating deck and bridge watch on the vessel;
- d) navigating vessels into and out of ports and through straits and other waters where special knowledge and skill are required;
- e) ensuring safe and efficient loading and unloading of cargo and observance of safety regulations and procedures by crew and passengers;
- f) performing technical supervision of maintenance and repair of ship to ensure compliance with specifications and regulations;
- g) directing or arranging supply of ship stores and equipment, recruitment of crew and provision of other services (except food) for arriving vessels;
- h) managing and maintaining inventory, records and documentation;
- i) performing related tasks; and
- j) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: ([refer to index; unit group 2172](#))

| | |
|---------|-------------------------------------|
| 2172-01 | Marine Officer, Grade A41 |
| 2172-02 | Assistant Marine Officer, Grade A29 |
| 2172-03 | Ship Captain |
| 2172-04 | Hovercraft Pilot |

UNIT GROUP 2173 AIRCRAFT PILOTS AND RELATED PROFESSIONALS

Aircraft Pilots and Related Professionals control the operation of mechanical, electrical and electronic equipment in order to navigate aircraft and perform pre-flight and in-flight tasks.

Tasks include:

- a) giving in-flight instruction, supervising solo flights, accompanying students on flight training and demonstrating techniques for controlling aircraft;
- b) applying knowledge of principles and practices of flying in order to identify and solve problems arising in the course of their work;
- c) examining maintenance records and conducting inspections to ensure that aircraft are mechanically sound, maintenance has been performed and all equipment is operational;
- d) signing necessary certificates and maintaining official records of flight;
- e) obtaining pre-flight briefings and clearances and communicating with air traffic or flight control during flight;
- f) flying public or private aircraft, planning, supervision, testing, modifying flight charts, taking aerial photography and managing pilot examinations;
- g) issuing pilot licences, gathering information from researchers on aircraft accidents and damage and technical data of all aircraft;
- h) carrying out aircraft inspection;
- i) examining and approving the establishment of airlines, issuing certificates of approval for aircraft, conducting research on the breakdown of public aircraft and participating in the investigation of aircraft accidents and preparing reports;
- j) performing related tasks; and
- k) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index, unit group 2173)*

| | |
|---------|----------------------------------|
| 2173-01 | Pilot/ Pilot Examiner, Grade A41 |
| 2173-02 | Aircraft Examiner, Grade A41 |
| 2173-04 | Pilot |
| 2173-05 | Flight Navigator |

UNIT GROUP 2174 AIR TRAFFIC CONTROLLERS

Air Traffic Controllers direct aircraft movements in the air and on the ground using radio, radar and lighting systems, and provide information relevant to the operation of aircraft.

Tasks include:

- a) directing aircraft approaching and leaving the airport and controlling their movement on the ground/ airport and directing taxiing, take-offs and landings;
- b) directing and controlling aircraft movements in the air using radar or non-radar procedures and directing aircraft by radio;
- c) checking flight plans, position reports, flight levels, estimated arrival times at reporting points or destinations and authorising changes of flight levels and altitudes;
- d) informing flight crew and operations staff about weather conditions, operational facilities, flight plans and air traffic;
- e) controlling the operation of airport lighting systems such as runway and approach lights and aerodrome beacons;
- f) applying knowledge of principles and practices of air traffic control in order to identify and solve problems arising in the course of their work;
- g) initiating and organising emergency, search and rescue services when aircraft are in distress;
- h) performing related tasks; and
- i) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index; unit group 2174)*

| | |
|---------|--|
| 2174-01 | Air Traffic Control Officer, Grade A41 |
| 2174-02 | Assistant Air Traffic Control Officer, Grade A29 |
| 2174-03 | Air Traffic Controller |

UNIT GROUP 2175 TRAIN/ LOCOMOTIVE CONTROLLERS

Train/ Locomotive Controllers direct train/ locomotive movements on the ground using radio, radar and lighting systems, and provide information relevant to the operation of the train/ locomotive.

Tasks include:

- a) directing and controlling train/ locomotive movements;
- b) applying knowledge of principles and practices of train/ locomotive traffic control in order to identify and solve problems arising in the course of their work;
- c) initiating and organising emergency, search and rescue services when trains/ locomotives are in distress;
- d) performing related tasks; and
- e) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: [\(refer to index; unit group 2175\)](#)

| | |
|---------|---|
| 2175-01 | Railway and Locomotive Operation Officer |
| 2175-02 | Railway and Locomotive Operation Controller |
| 2175-03 | Permanent-Way Inspector (Railways) |

UNIT GROUP 2179 TRANSPORT CONTROLLERS NOT ELSEWHERE CLASSIFIED

This unit group covers Transport Controllers Not Elsewhere Classified in Minor Group 217: Ship, Aircraft and Train/ Locomotive Controllers.

Tasks include:

- receiving and dispatching cargo and mail;
- supervising and distributing weights;
- performing related tasks; and
- enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: [\(refer to index; unit group 2179\)](#)

| | |
|---------|---------------------|
| 2179-01 | Load Sheet Officer |
| 2179-02 | Shipping Executive |
| 2179-03 | Logistics Executive |
| 2179-04 | Air Cargo Officer |

MINOR GROUP 218 MINING, MANUFACTURING AND CONSTRUCTION PROFESSIONALS

Mining, Manufacturing and Construction Professionals conduct research and improve or develop concepts, theories and operational methods, or apply existing knowledge in such fields as mining, manufacturing and construction.

UNIT GROUP 2181 MINING PROFESSIONALS

Mining Professionals conduct research and improve or develop concepts, theories and operational methods, or apply existing knowledge concerning the mining activities such as extracting coal, ore, stone, clay and other solid minerals from the earth.

Tasks include:

- conducting research, developing methods and coordinating activities concerning the extraction of minerals from mines and stone, or slate and clay from quarries;
- ensuring the efficient use of resources and the fulfilment of production quotas;
- studying and advising on technological aspects of particular materials or processes;
- controlling expenditure;
- establishing and supervising operational and administrative procedures;
- overseeing the application of work safety and related procedures;
- overseeing the selection, training and performance of staff;
- performing related tasks; and
- enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: [\(refer to index; unit group 2181\)](#)

| | |
|---------|------------------|
| 2181-01 | Mining Executive |
|---------|------------------|

UNIT GROUP 2182 MANUFACTURING PROFESSIONALS

Manufacturing Professionals conduct research and improve or develop concepts, theories and operational methods, or apply existing knowledge concerning the production of food, paper, sawmill, warehouse as well as quality assurance.

Tasks include:

- a) studying and advising on technological aspects of particular materials or processes;
- b) establishing and supervising operational and administrative procedures;
- c) overseeing the application of work safety and related procedures;
- d) overseeing the selection, training and performance of staff;
- e) negotiating with suppliers, customers and other organisations;
- f) representing the department in its dealings with other divisions of the enterprise or with external bodies;
- g) ensuring all production processes fall within the manufacturing specifications and product characteristics adhere to the company's standard document;
- h) implementing production plan through subordinates and ensuring that utilisation of manpower, machine and equipment is optimised;
- i) performing related tasks; and
- j) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: [\(refer to index; unit group 2182\)](#)

| | |
|---------|-----------------------------|
| 2182-01 | Manufacturing Executive |
| 2182-02 | Quality Assurance Executive |
| 2182-03 | Quality Assurance Analyst |
| 2182-04 | Quality Control Executive |

UNIT GROUP 2183 CONSTRUCTION PROFESSIONALS

Construction Professionals conduct research and improve or develop concepts, theories and operational methods, or apply existing knowledge concerning construction projects.

Tasks include:

- a) conducting research, developing methods and coordinating activities concerning the construction of buildings, dams, highways, pipelines and related construction projects;
- b) studying construction procedures based on starting and completion times and staffing requirements for each phase of construction, based on knowledge of available tools and equipment and various building methods;
- c) studying and advising on technological aspects of particular materials or processes;
- d) establishing and supervising operational and administrative procedures;
- e) overseeing the application of work safety and related procedures;
- f) overseeing the selection, training and performance of staff;
- g) representing the department in its dealings with other divisions of the organisation or with external bodies;
- h) performing related tasks; and
- i) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: [\(refer to index; unit group 2183\)](#)

| | |
|---------|------------------------|
| 2183-01 | Construction Executive |
| 2183-02 | Project Executive |
| 2183-03 | Site Executive |

SUB-MAJOR 22 HEALTH PROFESSIONALS

Health Professionals conduct research, improve or develop concepts, theories and operational methods, or apply knowledge relating to fields such as medicine, nursing and midwifery, dentistry, pharmacy, traditional and complementary medicine, veterinary and other health professionals.

MINOR GROUP 221 MEDICAL DOCTORS

Medical Doctors study, diagnose, treat and prevent illnesses, infections, injuries and other physical and mental impairments in humans through the application of the principles and procedures of modern medicine. They plan, supervise and evaluate the implementation of health care and treatment, and conduct medical education and research activities.

UNIT GROUP 2211 GENERALIST MEDICAL PRACTITIONERS

Generalist Medical Practitioners diagnose, treat and prevent illnesses, infections, injuries and other physical and mental impairments and maintain general health in humans through application of the principles and procedures of modern medicine. They are responsible for the provision of continuing and comprehensive medical care to individuals, families and communities.

Tasks include:

- a) examining and treating patients, managing treatment and examination of pregnant women and delivering babies, inspecting bodies and preparing reports, performing on-call duty and delivering lectures;
- b) examining the patients to determine the nature of infections or illnesses;
- c) conducting medical examinations and making diagnoses;
- d) prescribing medicine and treating diagnosed illnesses, disorders or injuries;
- e) giving advice on and applying preventive medicine methods and treatments;
- f) participating in the development and implementation of public health laws and regulations to safeguard and promote the health of a community;
- g) teaching medical students and other health sciences students, medical specialists and other health professionals;
- h) preparing scientific papers and reports;
- i) performing related tasks; and
- j) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: ([refer to index; unit group 2211](#))

| | |
|---------|-----------------------------|
| 2211-01 | Medical Officer, Grade UD41 |
| 2211-02 | Instructor, Grade U41 |
| 2211-04 | Medical Doctor |
| 2211-05 | Medical Officer |

UNIT GROUP 2212 SPECIALIST MEDICAL PRACTITIONERS

Specialist Medical Practitioners diagnose, treat and prevent illnesses, infections, injuries and other physical and mental impairments in humans, using specialised testing, diagnostic, medical, surgical, physical and psychiatric techniques through application of the principles and procedures of modern medicine. They specialise in certain disease categories or methods of treatment and may conduct medical education and research in their chosen areas of specialisation.

Tasks include:

- a) conducting medical examinations and making diagnoses;

- b) giving specialised medical or surgical treatment for particular types of illnesses, disorders or injuries;
- c) giving advice on and applying preventive medicine methods and treatments;
- d) participating in the development and implementation of public health laws and regulations for safeguarding and promoting the health of a community;
- e) teaching medical students and other health sciences students, medical specialists and other health professionals;
- f) preparing scientific papers and reports;
- g) specialising in diagnostic evaluation, rehabilitative and reablement services and research related to hearing;
- h) assisting patients under medical direction to overcome or minimise the effects or defects and disorders of speech;
- i) treating the blind;
- j) fixing all kinds of orthotic devices;
- k) making splints with thermoplastic materials;
- l) examining the patients to determine the diseases;
- m) writing specifications for artificial limbs or other appliances and helping to fit them and explaining their use;
- n) performing related tasks; and
- o) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index; unit group 2212)*

| | |
|---------|---------------------------------|
| 2212-01 | Ear, Nose and Throat Specialist |
| 2212-02 | Heart Specialist |
| 2212-03 | Eye Specialist |
| 2212-04 | Anaesthetist |

MINOR GROUP 222 NURSING AND MIDWIFERY PROFESSIONALS

Nursing and Midwifery Professionals provide treatment and care for people who are physically or mentally ill, disabled or infirm, and others in need of care due to potential risks to health including before, during and after childbirth. They are responsible for the planning, management and evaluation of the care of patients.

UNIT GROUP 2221 NURSING PROFESSIONALS

Nursing Professionals provide treatment, support and care for people who are in need of nursing care due to the effects of ageing, illness, injury or other physical or mental impairment, or potential risks to health.

Tasks include:

- a) providing nursing care, treatment and advice to the ill, injured, disabled and others in need of such care;
- b) examining patients to determine the nature of their diseases;
- c) conducting medical examinations and making diagnoses;
- d) prescribing and giving treatment for diagnosed illnesses, disorders or injuries;
- e) giving specialised medical or surgical treatment for particular types of illnesses, disorders and injuries;
- f) giving advice on and applying preventive medicine methods and treatments;
- g) participating in the formulation and implementation of public health laws and regulations to safeguard and promote the health of a community;
- h) teaching medical students and other health sciences students, medical specialists and other health professionals;
- i) preparing scientific papers and reports;
- j) performing related tasks; and
- k) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index; unit group 2221)*

| | |
|---------|--|
| 2221-01 | Nurse, Grade U41 |
| 2221-02 | Instructor (Health Science), Grade U41 |
| 2221-03 | Professional Nurse |
| 2221-04 | Clinical Nurse |

UNIT GROUP 2222 MIDWIFERY PROFESSIONALS

Midwifery Professionals deliver babies, provide ante-natal and post-natal care and advise parents on the care of infants.

Tasks include:

- a) advising expectant mothers on appropriate diet, exercises and conduct during the course of pregnancy and to facilitate childbirth, and noting their general health and progress;
- b) delivering babies, or, more often, assisting doctors in deliveries;
- c) assessing progress during pregnancy and childbirth, managing complications and recognising symptoms requiring referral to a medical doctor specialising in obstetrics;
- d) monitoring the health status of newborns, managing complications and recognising symptoms requiring referral to a medical doctor specialising in neonatology;
- e) monitoring pain and discomfort experienced by women during labour and alleviating pain using a variety of therapies, including the use of painkillers;
- f) attending to mothers in the post-natal period to supervise their recovery, checking on babies' progress and advising parents on the care of infants;
- g) conducting health education classes and seminars to promote the health of mothers and infants;
- h) reporting births to government authorities;
- i) conducting research on midwifery practices and procedures and disseminating findings through scientific papers and reports;
- j) planning and conducting midwifery education activities in clinical and community settings;
- k) advising on birth control methods;
- l) participating in the formulation and implementation of public health laws and regulations for safeguarding and promoting the health of a community;
- m) preparing scientific papers and reports;
- n) performing related tasks; and
- o) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index; unit group 2222)*

| | |
|---------|----------------------|
| 2222-01 | Professional Midwife |
|---------|----------------------|

MINOR GROUP 223 TRADITIONAL AND COMPLEMENTARY MEDICINE PROFESSIONALS

Traditional and Complementary Medicine Professionals prevent, diagnose and treat illnesses, infections, injuries and other physical and mental impairments and maintain general health in humans by applying knowledge, skills and practices acquired through extensive study of the theories, beliefs and experiences originating from specific cultures.

UNIT GROUP 2231 TRADITIONAL AND COMPLEMENTARY MEDICINE PROFESSIONALS

Traditional and Complementary Medicine Professionals apply traditional medicine knowledge to the prevention, diagnosis and treatment of human illnesses.

Tasks include:

- a) prescribing for and treating diagnosed illnesses, disorders or injuries;
- b) examining patients, making diagnoses and treating illnesses and injuries using herbs, medicinal plants and other traditional techniques used in the community;
- c) advising the community and individuals on a proper diet and conduct to preserve or improve health and well-being;
- d) participating in the formulation and implementation of public health laws and regulations to safeguard and promote the health of a community;
- e) teaching medical students and other health sciences students, medical specialists and other health professionals;
- f) preparing scientific papers and reports;
- g) performing related tasks; and
- h) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index; unit group 2231)*

| | |
|---------|---|
| 2231-01 | Professional Traditional Medical Practitioner |
| 2231-02 | Traditional Medical Specialist |
| 2231-03 | Acupuncturist |
| 2231-04 | Homeopath |

MINOR GROUP 224 PARAMEDICAL PRACTITIONERS

Paramedical Practitioners conduct research and improve or develop concepts, theories and operational methods, or apply knowledge in emergency medicine for the prevention, diagnosis and treatment of human illnesses.

UNIT GROUP 2241 PARAMEDICAL PRACTITIONERS

Paramedical Practitioners apply emergency medicine knowledge for the prevention, diagnosis and treatment of human illnesses.

Tasks include:

- a) providing emergency on-scene treatment, stabilising or saving patients and, when appropriate, transporting ill or injured patients to emergency medical and surgical treatment facilities such as a hospital and trauma centre;
- b) prescribing for and treating diagnosed illnesses, disorders or injuries;
- c) advising the community and individuals on a proper diet and conduct to preserve or improve health and well-being;
- d) participating in the formulation and implementation of public health laws and regulations to safeguard and promote the health of a community;
- e) teaching medical students and other health sciences students, medical specialists and other health professionals;

- f) preparing scientific papers and reports;
- g) performing related tasks; and
- h) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: (*refer to index; unit group 2241*)

| | |
|---------|--------------------------------|
| 2241-01 | Paramedic |
| 2241-02 | Primary Care Paramedic |
| 2241-03 | Clinical Officer (Paramedical) |
| 2241-04 | Feldscher |

MINOR GROUP 225 VETERINARIANS

Veterinarians conduct research, improve or develop concepts, theories and operational methods and diagnose, prevent and treat diseases, injuries and dysfunctions of animals. They may provide care to a wide range of animals or specialise in the treatment of a particular animal group, or provide professional services to commercial firms producing biological and pharmaceutical products.

UNIT GROUP 2251 VETERINARIANS

Veterinarians diagnose, prevent and treat diseases, injuries and dysfunctions of animals. They may provide care to a wide range of animals or specialise in the treatment of a particular animal group or in a particular speciality area, or provide professional services to commercial firms producing biological and pharmaceutical products.

Tasks include:

- a) controlling and treating animal diseases;
- b) planning and carrying out maintenance work and improving the quality of livestock;
- c) enforcing the law on the import of products of animals, monitoring of quarantine centres;
- d) administering surgical or medical veterinary treatment;
- e) rendering obstetric services to animals;
- f) testing dairy cattle and other animals and inoculating animals against diseases;
- g) advising on hygiene, feeding, breeding and care of animals;
- h) inspecting quality, purity and safety of food made wholly or partly from raw materials of animal origin intended for human consumption;
- i) assisting in epidemiological, radiological and other surveillance of animal health;
- j) performing autopsies to determine the cause of death;
- k) preparing scientific papers and reports;
- l) performing related tasks; and
- m) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: (*refer to index; unit group 2251*)

| | |
|---------|---|
| 2251-01 | Veterinary Officer, Grade G41 |
| 2251-02 | Assistant Veterinary Officer, Grade G27 |
| 2251-03 | Veterinarian |
| 2251-04 | Veterinary Epidemiologist |

MINOR GROUP 226 OTHER HEALTH PROFESSIONALS

Other Health Professionals conduct research, improve or develop concepts, theories and operational methods, and apply scientific knowledge related to medicine, dentistry, pharmacy, environmental health and hygiene, occupational safety and health, physiotherapy, nutrition and rehabilitation therapies.

UNIT GROUP 2261 **DENTISTS**

Dentists diagnose, treat and prevent diseases, injuries and abnormalities of the teeth, mouth, jaws and associated tissues by applying the principles and procedures of modern dentistry. They use a broad range of specialised diagnostic, surgical and other techniques to promote and restore oral health.

Tasks include:

- a) providing dental treatment;
- b) examining teeth, gums, jaws and other oral tissues using dental and X-ray equipment;
- c) making diagnoses, advising on and giving the necessary dental treatment;
- d) cleaning and filling cavities and extracting decayed or deformed teeth;
- e) constructing inlays and crowns to replace teeth;
- f) designing, constructing and fitting complete and partial dentures, orthodontic and other appliances and performing bridge work;
- g) giving surgical, medical and other forms of treatment for particular types of dental and oral diseases and disorders;
- h) participating in public activities to maintain or improve standards of oral health and dental care;
- i) monitoring dental health exhibitions and providing guidance to staff;
- j) performing related tasks; and
- k) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: (*refer to index; unit group 2261*)

| | |
|---------|--------------------------------------|
| 2261-01 | Dental Officer, Grade U41 |
| 2261-02 | Instructor (Dental Nurse), Grade U41 |
| 2261-04 | Dentist |
| 2261-05 | Dentist, Paedodontistry |

UNIT GROUP 2262 **PHARMACISTS**

Pharmacists store and dispense medicine and offer consultation on the use of the medicine and its effects as per the prescription of a medical doctor and other health professional. They assist in research, preparation of tests and monitor medical therapy to enhance human health.

Tasks include:

- a) carrying out regulatory activities, i.e. analysing the content of medicine, cosmetics and traditional medicine, and their registration and licensing activities;
- b) checking prescriptions to ensure that recommended dosages are not exceeded and usage instructions are understood by the patient and advising on the possibility of incompatible drugs;
- c) dispensing drugs in hospitals or selling them in pharmacies;
- d) keeping prescription files and recording issue of narcotics, poisons and drugs;
- e) conducting research to develop or improve pharmaceuticals, cosmetics and related chemicals;

- f) determining the most suitable packaging for medical substances to avoid damage and facilitate storage and distribution;
- g) preparing scientific papers and reports;
- h) performing related tasks; and
- i) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index; unit group 2262)*

| | |
|---------|---------------------------------------|
| 2262-01 | Pharmacy Officer, Grade U41 |
| 2262-02 | Assistant Pharmacy Officer, Grade U29 |
| 2262-03 | Pharmacist |
| 2262-04 | Industrial Pharmacist |

UNIT GROUP 2263 ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND HYGIENE PROFESSIONALS

Environmental and Occupational Health and Hygiene Professionals assess, plan and conduct programmes to identify, monitor and control environmental factors that can potentially affect human health to ensure safe and healthy workplaces, and to prevent disease or injury caused by chemical, physical, radiological and biological agents or ergonomic factors.

Tasks include:

- a) inspecting business and residential premises and public areas to detect unsanitary conditions and health hazards;
- b) investigating and preparing reports on all cases of infectious diseases;
- c) developing, implementing and reviewing programmes and policies to minimise the risk of environmental and occupational hazards;
- d) giving advice on environment sanitation problems and techniques;
- e) promoting preventive and corrective measures such as control of disease carrying organisms and harmful substances in the air, hygienic food handling, proper disposal of waste and cleaning of public places;
- f) organising campaigns, giving lectures and distributing materials to promote adoption of improved practices and techniques;
- g) coordinating compensation, rehabilitation and return to work of injured workers;
- h) applying hygiene and sanitation principles and practices in order to identify and solve problems arising in the course of work;
- i) preparing and submitting reports;
- j) performing related tasks; and
- k) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index; unit group 2263)*

| | |
|---------|---|
| 2263-01 | Assistant Environmental Health Officer/ Environmental Health Officer, Grade U29 |
| 2263-02 | Labour Affairs Officer - Occupational Safety and Health |
| 2263-03 | Sanitarian |
| 2263-04 | Hazardous Waste Management Technologist |

UNIT GROUP 2264 PHYSIOTHERAPISTS

Physiotherapists assess, plan and conduct rehabilitative programmes that improve or restore human motor functions, enhance movement ability, relieve pain syndromes, and treat or prevent physical malfunction associated with injuries, diseases and other impairments. They apply a broad range of physical therapies and techniques such as movement, ultrasound, heating, laser and other techniques.

Tasks include:

- a) providing scheduled physiotherapy treatment to patients;
- b) providing advice to communities and individuals about proper posture to prevent injury and strengthen muscles;
- c) conducting inspections to make diagnoses of disorders of bones, muscles and the circulatory system or the nervous system to determine the appropriate treatment;
- d) massaging clients to improve blood circulation, soothe or stimulate nerves, facilitate elimination of waste matter, stretch contracted tendons and produce other therapeutic effects;
- e) applying physiotherapy and related techniques as part of the physical or mental treatment of disabled persons;
- f) establishing appropriate treatment for the patient;
- g) performing adjustments of the spinal joints and extremities using hands or specialist equipment;
- h) performing soft tissue therapy, such as massage;
- i) educating and advising patients on rehabilitation exercises to aid long-term recovery and ensure health is maintained;
- j) participating in the formulation and implementation of public health laws and regulations for safeguarding and promoting the health of a community;
- k) teaching medical students and other health sciences students, medical specialists and other health professionals;
- l) preparing scientific papers and reports;
- m) performing related tasks; and
- n) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: (*refer to index; unit group 2264*)

| | |
|---------|---|
| 2264-01 | Medical Rehabilitation Officer, Grade U41 |
| 2264-02 | Instructor (Physiotherapy), Grade U41 |
| 2264-04 | Physiotherapist |
| 2264-05 | Massage Therapist |

UNIT GROUP 2265 DIETICIANS AND NUTRITIONISTS

Dieticians and Nutritionists plan and supervise the preparation of diets for individuals or groups, supervise and evaluate health programmes and assist in appraising the various factors related to nutrition and food problems in the community.

Tasks include:

- a) performing tasks related to the management and monitoring of clinical dietetics and community services, planning and preparing nutritious and appropriate food based on the hospital diet manual, and advisory services to patients who require therapeutic diets;
- b) providing nutrition assessments, education, research and training;
- c) collecting, managing and assessing data relating to health and nutritional status of individuals and groups;
- d) monitoring food intake and quality to provide nutritional care;

- e) planning and directing the preparation of therapeutic and other diets/menus for individuals or groups in hospitals, institutions and other establishments;
- f) participating in nutrition education programmes and nutrition rehabilitation activities;
- g) advising on nutrition aspects of community food issues and health programmes;
- h) keeping abreast of knowledge in related fields and maintaining contacts with appropriate professionals;
- i) preparing educational materials and giving talks and lectures on diet and nutrition;
- j) preparing scientific papers and reports;
- k) participating in the formulation and implementation of public health laws and regulations to safeguard and promote the health of a community;
- l) teaching medical students and other health sciences students, medical specialists and other health professionals;
- m) performing related tasks; and
- n) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index; unit group 2265)*

| | |
|---------|------------------------------|
| 2265-01 | Dietetics Officer, Grade U41 |
| 2265-02 | Dietician |
| 2265-03 | Hospital Dietician |
| 2265-04 | Public Health Dietician |

UNIT GROUP 2266 AUDIOLOGISTS AND SPEECH THERAPISTS

Audiologists and Speech Therapists evaluate, manage and treat physical disorders affecting human hearing, speech and communication. They prescribe corrective devices or rehabilitative therapies for hearing loss, speech disorders, and related sensory and neural problems and provide counselling on hearing and safe communication.

Tasks include:

- a) administering auditory tests for infants, children and adults;
- b) interpreting and reporting test results;
- c) developing and improving test techniques;
- d) advising on the selection, fitting and evaluation of hearing aids;
- e) researching new advances in hearing aid technology, such as digital hearing aids;
- f) testing and maintaining implanted devices, such as cochlear implants;
- g) operating audiometric equipment;
- h) conducting research into disorders affecting hearing and balance;
- i) managing audiology services, including monitoring and improving the quality of service provided;
- j) supervising support staff;
- k) participating in the development and implementation of public health laws and regulations to safeguard and promote the health of a community;
- l) teaching medical students and other health sciences students, medical specialists and other health professionals;
- m) preparing scientific papers and reports;
- n) performing related tasks; and
- o) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index; unit group 2266)*

| | |
|---------|------------------|
| 2266-01 | Audiologist |
| 2266-02 | Speech Therapist |
| 2266-03 | Orthoepist |
| 2266-04 | Orthophonist |

UNIT GROUP 2267 OPTOMETRISTS AND OPHTHALMIC OPTICIANS

Optometrists and Ophthalmic Opticians examine and treat disorders of the eyes and visual system and advise on eye care and prescribe optical aids or other therapies.

Tasks include:

- a) carrying out eye examinations to detect visual function anomalies;
- b) treating and managing these anomalies using glasses, contact lenses, prisms, visual therapy and low vision devices as well as being a professional consultant in colour vision problems in the industry and in operation of vehicles, and offering advice to meet the needs and expectations of stakeholders;
- c) examining eyes and performing vision tests to determine the nature and extent of vision abnormalities;
- d) prescribing spectacles and contact lenses or other treatment to improve vision;
- e) advising on the proper use and care of spectacles and contact lenses, appropriate lighting for work or reading and other visual aids;
- f) fitting prescribed lenses into frames and adjusting frames or contact lenses on customers;
- g) referring customers with symptoms of ocular diseases to a medical specialist;
- h) performing related tasks; and
- i) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: ([refer to index; unit group 2267](#))

| | |
|---------|------------------------------|
| 2267-01 | Optometry Officer, Grade U41 |
| 2267-02 | Optometrist |
| 2267-03 | Optician |
| 2267-04 | Ophthalmic Optician |

UNIT GROUP 2268 OCCUPATIONAL THERAPISTS

Occupational Therapists help people of all ages who have physical, mental or social problems to adapt to any aspect of their life in order to lead more productive, independent and meaningful lives. Problems may have been from birth, caused by injury, illness, disability or ageing.

Tasks include:

- a) assessing the condition/injury of the patient and disability affecting his functions;
- b) encouraging the patient to be independent in daily activities including in his mobility, personal care and spiritual activities;
- c) conducting educational programmes for the patient and his family as a preventive measure against complications and disability as well as optimal maintenance of the patient's ability to function;
- d) providing psychological support to motivate the patient;
- e) conducting training in social skills to improve the patient's ability to interact with the community;
- f) encouraging patients to take part in leisure activities and appropriate sports;
- g) designing and making orthotic devices / splints to support the patient's ability to function;
- h) designing and making pressure garments for treatment of scars / keloids, oedema, etc.;
- i) submitting a report on the evaluation, treatment plan and progress of the patient to medical officers and other relevant parties;
- j) operating a daily centre for patients experiencing physical and psychosocial problems including monitoring and maintenance of their ability to function;

- k) managing a support group for patients to share their problems;
- l) performing related tasks; and
- m) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: [\(refer to index; unit group 2268\)](#)

| | |
|---------|------------------------|
| 2268-01 | Occupational Therapist |
|---------|------------------------|

UNIT GROUP 2269 HEALTH PROFESSIONALS NOT ELSEWHERE CLASSIFIED

This unit group covers Health Professionals Not Elsewhere Classified in Minor Group 226: Other Health Professionals.

Tasks include:

- a) reviewing and examining applications for radiographic examination;
- b) providing a clear explanation to the patient about the examination and the necessary preparations in accordance with the instruction given;
- c) taking samples from patients and animals for research;
- d) preparing the test and storage of reagent, media, standard solution and other suspensions;
- e) submitting report on the results of testing for research and study;
- f) performing related tasks; and
- g) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: [\(refer to index; unit group 2269\)](#)

| | |
|---------|---|
| 2269-01 | X-Ray Technician, Grade U41 |
| 2269-02 | Instructor (X-Ray Technician), Grade U41 |
| 2269-03 | Instructor (Medical Laboratory Technologist), Grade U41 |
| 2269-05 | Orientation Therapist for the Blind |

SUB-MAJOR 23 TEACHING PROFESSIONALS

Teaching Professionals teach the theory and practice of one or more disciplines at different educational levels, conduct research and improve or develop concepts, theories and operational methods pertaining to their particular disciplines, and prepare academic papers and books.

MINOR GROUP 231 UNIVERSITY AND HIGHER EDUCATION TEACHING PROFESSIONALS

University and Higher Education Teaching Professionals prepare and deliver lectures and conduct tutorials in one or more subjects within a prescribed course of study at a university or other higher educational institution. They conduct research and prepare academic papers and books.

UNIT GROUP 2311 UNIVERSITY AND HIGHER EDUCATION TEACHING PROFESSIONALS

University and Higher Education Teaching Professionals prepare and deliver lectures and conduct tutorials in one or more subjects within a prescribed course of study at a university or other higher educational institution. They conduct research and prepare academic papers and books

Tasks include:

- a) delivering lectures and conducting tutorials, research and releasing publications;
- b) giving lectures, supervising thesis projects, managing practical work/tutorials and preparing lecture notes/laboratory manuals;
- c) conducting examination matters, monitoring the practical training of students, assisting in reviewing / preparing the curriculum / syllabus, engaging in research work and undertaking student development work;
- d) providing consultancy services to students and outsiders, supervising projects, theses and student papers, conducting research, publishing journals, articles, books and other forms of related publications, services, performing community and professional services, helping students develop their potential and character, and managing academic-related activities;
- e) designing and modifying the curricula and preparing courses of study in accordance with the requirements;
- f) encouraging discussion and independent thinking among students;
- g) conducting research and developing concepts, theories and operational methods for application in the industry and other fields;
- h) assisting in co-curricular activities;
- i) performing related tasks; and
- j) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: (*refer to index; unit group 2311*)

| | |
|---------|---------------------------------|
| 2311-01 | University Lecturer, Grade DS45 |
| 2311-02 | Medical Lecturer, Grade DU45 |
| 2311-10 | Lecturer |
| 2311-11 | Tutor |

MINOR GROUP 232 VOCATIONAL EDUCATION TEACHERS

Vocational Education Teachers teach or instruct vocational subjects at educational institutions, secondary schools and colleges. They prepare students for employment in specific occupations or occupational areas for which university or higher education is not normally required.

UNIT GROUP 2321 VOCATIONAL EDUCATION TEACHERS

Vocational Education Teachers teach or instruct vocational subjects at educational institutions, secondary schools and colleges. They prepare students for employment in specific occupations or occupational areas for which university or higher education is not normally required.

Tasks include:

- a) planning and preparing lessons in accordance with the prescribed/ recommended curriculum;
- b) teaching and supervising students class work and discipline;
- c) preparing, assigning and marking exercises, assignments and tests to evaluate student progress;
- d) preparing reports on students' work and conferring with other teachers and parents;
- e) participating in staff meetings and educational conferences and workshops;
- f) organising or assisting in co-curricular activities;
- g) performing related tasks; and
- h) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: ([refer to index; unit group 2321](#))

| | |
|---------|---------------------|
| 2321-01 | Teacher, Technical |
| 2321-02 | Teacher, Vocational |

MINOR GROUP 233 SECONDARY EDUCATION TEACHERS

Secondary Education Teachers teach one or more subjects in secondary school and organise educational activities.

UNIT GROUP 2331 SECONDARY SCHOOL TEACHERS

Secondary School Teachers teach one or more subjects in secondary school and organise educational activities.

Tasks include:

- a) planning and preparing lessons in accordance with the prescribed/ recommended curriculum;
- b) teaching and supervising students' class work and discipline;
- c) preparing, assigning and marking exercises, assignments and tests to evaluate student progress;
- d) preparing reports on students' work and conferring with other teachers and parents;
- e) participating in staff meetings and educational conferences and workshops;
- f) organising or assisting in co-curricular activities;
- g) performing related tasks; and
- h) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: ([refer to index; unit group 2331](#))

| | |
|---------|--|
| 2331-01 | Graduate Education Service Officer, Grade DG41 |
| 2331-02 | Secondary Education Teacher |
| 2331-03 | Graduate Teacher Officer |
| 2331-04 | Pre-University Teacher |

MINOR GROUP 234 PRIMARY SCHOOL AND EARLY CHILDHOOD TEACHERS

Primary School and Early Childhood Teachers teach various subjects at the primary education level and organise educational activities.

UNIT GROUP 2341 PRIMARY SCHOOL TEACHERS

Primary School Teachers teach various subjects at the primary education level.

Tasks include:

- a) being responsible for the curriculum, co-curriculum, student affairs management, office management and administration;
- b) preparing teaching programmes such as reading, writing and arithmetic according to the prescribed or recommended curriculum;
- c) preparing, supervising and marking tests, projects and assignments to train pupils and to evaluate their progress, and giving additional guidance if necessary;
- d) organising and supervising pupils' co-curricular activities such as assisting in sports activities, school concert, visits and special programmes;
- e) encouraging the personal development of pupils and discussing their progress with parents;
- f) maintaining attendance records and school discipline;
- g) participating in staff meetings and educational conferences and workshops;
- h) performing related tasks; and
- i) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: ([refer to index; unit group 2341](#))

| | |
|---------|---|
| 2341-01 | Post-Diploma Education Service Officer, Grade DGA29 |
| 2341-02 | Primary School Teacher |

UNIT GROUP 2342 EARLY CHILDHOOD EDUCATORS

Early Childhood Educators promote physical, mental and social development of pre-school children through educational activities and games.

Tasks include:

- a) planning and organising activities designed to facilitate development of children's physical and social skills;
- b) promoting language development through storytelling, role play, songs, rhymes, conversations and informal discussions;
- c) observing children in order to evaluate and discuss progress and potential problems with parents;
- d) supervising children's activities to ensure safety and resolving conflicts;
- e) attending staff meetings, educational conferences and workshops;
- f) performing related tasks; and
- g) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: ([refer to index; unit group 2342](#))

| | |
|---------|----------------------------|
| 2342-01 | Pre-Primary School Teacher |
| 2342-02 | Kindergarten Teacher |
| 2342-03 | Pre-School Teacher |
| 2342-04 | Early Childhood Educator |

MINOR GROUP 235 MUSIC, ARTS AND PERFORMING ARTS TEACHERS

Music, Arts and Performing Arts Teachers teach theory, practical and performance in music, arts and performing arts and organise educational activities.

UNIT GROUP 2351 **MUSIC TEACHERS**

Music Teachers teach theory, practical and performance in music and organise educational activities.

Tasks include:

- a) preparing and delivering lessons to students on fundamental topics in music;
- b) organising performance groups and directing their rehearsals;
- c) planning and preparing lessons in accordance with the prescribed/ recommended curriculum;
- d) teaching and supervising students' class work and discipline;
- e) preparing, assigning and marking exercises, assignments and tests to evaluate student progress;
- f) preparing reports on students' work and conferring with other teachers and parents;
- g) participating in staff meetings and educational conferences and workshops;
- h) organising or assisting in co-curricular activities;
- i) performing related tasks; and
- j) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: ([refer to index; unit group 2351](#))

| | |
|---------|-----------------|
| 2351-01 | Music Teacher |
| 2351-02 | Singing Teacher |

UNIT GROUP 2352 **ARTS TEACHERS**

Arts Teachers teach theory, practical and performance in arts, including fine and applied arts such as painting and sculpture design and crafts.

Tasks include:

- a) preparing and delivering lessons to students on fundamental topics in arts;
- b) explaining and demonstrating artistic techniques;
- c) planning and preparing lessons in accordance with the prescribed/recommended curriculum;
- d) teaching and supervising students' class work and discipline;
- e) preparing, assigning and marking exercises, assignments and tests to evaluate student progress;
- f) preparing reports on students' work and conferring with other teachers and parents;
- g) participating in staff meetings and educational conferences and workshops;
- h) organising or assisting in co-curricular activities;
- i) performing related tasks; and
- j) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: ([refer to index; unit group 2352](#))

| | |
|---------|-------------------|
| 2352-01 | Fine Arts Teacher |
| 2352-02 | Sculpture Teacher |
| 2352-03 | Painting Teacher |

UNIT GROUP 2353 PERFORMING ARTS TEACHERS

Performing Arts Teachers teach theory and practical in performing arts, dance, drama, visual and other performing arts.

Tasks include:

- a) preparing and delivering lessons to students on fundamental topics in performing arts;
- b) explaining and demonstrating artistic techniques;
- c) planning and preparing lessons in accordance with the prescribed/ recommended curriculum;
- d) teaching and supervising students' class work and discipline;
- e) preparing, assigning and marking exercises, assignments and tests to evaluate student progress;
- f) preparing reports on students' work and conferring with other teachers and parents;
- g) participating in staff meetings and educational conferences and workshops;
- h) organising or assisting in co-curricular activities;
- i) performing related tasks; and
- j) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index; unit group 2353)*

| | |
|---------|-------------------|
| 2353-01 | Modelling Teacher |
| 2353-02 | Dance Teacher |
| 2353-03 | Drama Teacher |

MINOR GROUP 236 LANGUAGE TEACHERS

Language teachers plan, prepare and organise language programme activities.

UNIT GROUP 2361 LANGUAGE TEACHERS

Language Teachers plan, prepare and organise language programme activities.

Tasks include:

- a) coordinating all language programme activities including selecting participants, teaching, assessing course participants, as well as conducting studies and research for training requirements;
- b) planning, preparing and delivering lessons according to classes and age groups;
- c) marking and giving appropriate feedback on oral and written work;
- d) formulating and writing new materials;
- e) participating in social and cultural activities;
- f) carrying out freelance teaching on a one-to-one basis;
- g) conducting specialist courses for adults or business people who may require knowledge of scientific, technical or commercial terms;
- h) performing related tasks; and
- i) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index; unit group 2361)*

| | |
|---------|------------------------------|
| 2361-01 | Language Teacher, Grade DG41 |
| 2361-02 | Intensive Language Teacher |
| 2361-03 | Migrant Education Teacher |
| 2361-04 | Practical Language Teacher |

MINOR GROUP 237 RELIGIOUS TEACHERS

Religious Teachers teach a course in religion and theology.

UNIT GROUP 2371 RELIGIOUS TEACHERS

Religious Teachers teach a course in religion and theology.

Tasks include:

- a) preparing and delivering lessons to students on topics of ethics, logic and contemporary religious thought;
- b) planning and preparing lessons in accordance with the prescribed/ recommended curriculum;
- c) teaching and supervising students' class work and discipline;
- d) preparing, assigning and marking exercises, assignments and tests to evaluate student progress;
- e) preparing reports on students' work and conferring with other teachers and parents;
- f) participating in staff meetings and educational conferences and workshops;
- g) organising or assisting in co-curricular activities;
- h) performing related tasks; and
- i) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: ([refer to index; unit group 2371](#))

| | |
|---------|-----------------------------|
| 2371-01 | Islamic Religious Teacher |
| 2371-02 | <i>Ustaz/ Ustazah</i> |
| 2371-03 | Islamic Education Teacher |
| 2371-04 | Religious Education Teacher |

MINOR GROUP 238 TECHNOLOGY SKILL AND TECHNICAL TRAINERS

Technology Skill and Technical Trainers train school leavers and the existing industry workforce for employment purposes, leading to Levels 1-3 of the Malaysian Skill Certificate (SKM), Level 4 of the Malaysian Skill Diploma (DKM) and Levels 5 and above of the Advanced Malaysian Skill Diploma (DLKM). More than 70 per cent of the training is hands-on and part of the training is conducted at the workplace through apprenticeship or the National Dual Training System.

UNIT GROUP 2381 VOCATIONAL TRAINING OFFICERS

Vocational Training Officers develop the National Occupational Skill Standards (NOSS), curriculum and training materials, teach or train students for employment purposes in one or more subjects such as petrochemistry; pharmacy; wood-based products; rubber and rubber-based products; oil palm-based industries; food processing; electrical and electronic equipment; medical devices; textiles and apparel; machinery and equipment; metals; transport equipment; business and professional services; integrated logistics services; ICT services; trade distribution; construction services; education and training; health services; tourism services.

Tasks include:

- a) carrying out research and development on vocational training in line with industry needs;
- b) preparing and using lesson plans as well as demonstrating to transfer skills to trainees;

- c) managing and providing training including teaching plans, explanatory papers, working papers, task lists and teaching aids as well as ensuring trainees acquire skills, and teaching practical and theory sessions;
- d) ensuring the products of the national skill training system can fulfil industry requirements;
- e) facilitating the knowledge sharing between industries and skill training centres which will contribute more to industrial R&D;
- f) giving instructions and hands-on and theoretical lessons in their fields or expertise and supervising trainees at the workshop and shop;
- g) identifying factors that cause imbalance in skilled human resource and competency;
- h) planning and doing effective promotion for the skill training programme to upgrade workers' aptitude level and productivity;
- i) introducing strategies, policies and programmes for development of human capital skills and competency through curriculum development; collaboration between industry and industrial training learning centres; better facilities for experts in the institution and the industry;
- j) performing related tasks; and
- k) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: (*refer to index; unit group 2381*)

| | |
|---------|--|
| 2381-01 | Vocational Training Assistant/ Assistant Vocational Training Officer/ Vocational Training Officer, Grade J17 |
| 2381-02 | Skill Training Trainer |

MINOR GROUP 239 OTHER TEACHING PROFESSIONALS

Other Teaching Professionals conduct research and advise on teaching methods, teach those with learning difficulties or special needs; teach languages for migration and related purposes; give private tuition; teach information technology and other subjects outside the primary, secondary and higher education systems and provide other teaching services not classified elsewhere in Sub--Major 23, Teaching Professionals.

UNIT GROUP 2391 EDUCATION METHOD SPECIALISTS

Education Method Specialists conduct research and develop or advise on teaching methods, courses and teaching aids. They review and examine teachers' work, the functions of educational institutions and the results achieved and recommend changes and improvements.

Tasks include:

- a) researching into current developments in curricula, teaching methods and other educational practices, and advising on necessary changes and possible improvements;
- b) evaluating and advising on course contents and examination methods;
- c) researching into audio-visual and other teaching aids;
- d) documenting subjects and courses developed, and evaluating new courses;
- e) providing ongoing professional development, training and consultative services to teachers;
- f) organising and conducting workshops and conferences to train teachers in new programmes and methods;
- g) developing the structure, content and objectives of new courses and programmes;
- h) visiting schools periodically and conferring with administrative and teaching staff on matters relating to the curriculum, teaching methods, tools, etc;
- i) visiting classrooms to observe teaching techniques and to evaluate teachers' performance and academic results obtained;

- j) preparing reports and making recommendations to educational authorities concerning possible changes and improvements to the curriculum, teaching methods, etc;
- k) performing related tasks; and
- l) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index; unit group 2391)*

| | |
|---------|------------------------------|
| 2391-01 | Curriculum Developer |
| 2391-02 | Education Method Specialist |
| 2391-03 | School Inspector |
| 2391-04 | Educational System Evaluator |

UNIT GROUP 2392 SPECIAL NEEDS TEACHERS

Special Needs Teachers teach physically or mentally disabled children, youths or adults, or those with learning difficulties or other special needs. They promote the social, emotional, intellectual and physical development of their students.

Tasks include:

- a) designing or modifying the curricula and preparing lessons and activities adapted to students' abilities and needs;
- b) giving instructions to individuals or groups using special techniques or teaching aids suited to the students' needs;
- c) giving instructions using techniques or special teaching aids such as Braille or lip-reading appropriate to the students' disability and level and supervising work in class;
- d) encouraging students to have confidence, helping them to discover and adopt methods which compensate for limitations imposed by their disability, and promoting a sense of achievement;
- e) administering tests, evaluating and observing progress of each student and discussing it with parents, teachers, physiotherapists, social workers, etc.;
- f) discussing various learning programmes with parents;
- g) performing related tasks; and
- h) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index; unit group 2392)*

| | |
|---------|--|
| 2392-01 | Teacher, Special Education for the Deaf |
| 2392-02 | Teacher, Special Education for the Dumb |
| 2392-03 | Teacher, Special Education for the Blind |
| 2392-04 | Teacher, Special Education for the Mentally Disabled |

UNIT GROUP 2393 INFORMATION TECHNOLOGY TRAINERS

Information Technology Trainers develop, schedule and conduct training programmes and courses for computer and other information technology users.

Tasks include:

- a) preparing and developing instructional training material and aids such as handbooks, visual aids, online tutorials, demonstration models and supporting reference for training documentation;
- b) carrying out training needs analyses;

- c) designing course materials and other documents such as handouts, manuals and exercises;
- d) preparing the learning environment and resources, including setting up IT equipment;
- e) carrying out maintenance of hardware and software used for training purposes and recommending repairs and upgrades to management where appropriate;
- f) keeping abreast of developments in relevant systems, software and online training technology;
- g) dealing with administrative records;
- h) performing related tasks; and
- i) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: ([refer to index; unit group 2393](#))

| | |
|---------|-----------------------------------|
| 2393-01 | Satellite-Instruction Facilitator |
| 2393-02 | Computer Trainer |
| 2393-03 | Software Trainer |

UNIT GROUP 2399 TEACHING PROFESSIONALS NOT ELSEWHERE CLASSIFIED

This unit group covers Teaching Professionals Not Elsewhere Classified in Minor Group 239: Other Teaching Professionals.

Tasks include:

- a) planning, managing and coordinating matters related to the marching activities of the band, and enforcing the discipline of trainees;
- b) assessing students' level of ability and determining their learning needs;
- c) planning, preparing and delivering study programmes, lessons and workshops for individual students and groups;
- d) assigning exercises and work relevant to students' level of ability, interests and aptitude;
- e) revising curricula, course content, course materials and methods of instruction;
- f) preparing students for examinations and assessments;
- g) counselling students to help them understand and overcome personal, social or behavioural problems affecting their education;
- h) teaching exceptionally intelligent and problematic students;
- i) assisting school children who have academic, behavioural or personality problems and working with children, parents and teachers the ways for overcoming difficulties;
- j) planning, organising and implementing special programmes to provide remedial or additional guidance;
- k) performing related tasks; and
- l) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: ([refer to index; unit group 2399](#))

| | |
|---------|---------------------------------------|
| 2399-01 | Training Officer, Grade E41 |
| 2399-02 | Assistant Training Officer, Grade E27 |
| 2399-05 | Educational Counsellor |
| 2399-06 | Vocational Student Counsellor |

SUB-MAJOR 24 BUSINESS AND ADMINISTRATION PROFESSIONALS

Business and Administration Professionals perform analytical, conceptual and practical tasks to provide services in financial, human resource development, public relations, marketing, sales, medical, information and communication technology matters and conduct reviews of organisational structures, methods and systems as well as quantitative analyses of information in investment activities.

MINOR GROUP 241 FINANCE PROFESSIONALS

Finance Professionals plan and perform accounting services, advise on accountancy matters, plan and conduct financial audits of accounts of individuals, establishments and public or private institutions.

UNIT GROUP 2411 ACCOUNTANTS

Accountants plan, organise and administer accounting systems, and examine and analyse the accounting and financial records of individuals and establishments to ensure accuracy and compliance with established accounting standards and procedures.

Tasks include:

- a) managing the overall functions of accounting and finance, including performing analysis of financial reports and treasury functions;
- b) advising on, planning and implementing budgetary policies and systems, account control and other accounting policies and systems;
- c) preparing and certifying financial statements for presentation to the management, shareholders and statutory or other bodies;
- d) auditing and preparing a draft audit report, accounts of the government, statutory bodies, local authorities, Islamic Religious Council and other funds;
- e) preparing tax returns, advising on tax problems and supporting disputed claims before tax officials;
- f) preparing or reporting on profit forecasts and budgets;
- g) preparing project costing and risk analysis;
- h) identifying areas of cost reduction and recommending cost saving/control measures;
- i) conducting financial investigations, undertaking audits, preparing reports and advising on such matters as suspected fraud, insolvency, bankruptcy, mergers, capital financing and the purchase and sale of businesses;
- j) acting as liquidation agents in matters relating to bankruptcy and taxation;
- k) performing related tasks; and
- l) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: ([refer to index; unit group 2411](#))

| | |
|---------|--|
| 2411-01 | Accountant, Grade W41 |
| 2411-02 | Executive Officer (Accounting), Grade 41 |
| 2411-09 | Auditing Accountant |
| 2411-10 | Accountant |

UNIT GROUP 2412 FINANCIAL AND INVESTMENT ADVISERS

Financial and Investment Advisers develop financial plans for individuals and organisations and invest and manage funds on their behalf.

Tasks include:

- a) analysing the financial profile of companies for the purpose of making investment recommendations;
- b) building and maintaining a client base;
- c) interviewing clients to determine financial status and objectives, modified risk and other information needed to plan financial and investment strategies;
- d) overseeing and coordinating treasury activities such as foreign exchange, money market and bond transactions;
- e) arranging to buy and sell stocks and bonds for clients;
- f) monitoring investment performance and reviewing investment plans based on modified needs and changes in markets;
- g) performing related tasks; and
- h) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: (*refer to index; unit group 2412*)

| | |
|---------|--------------------------------------|
| 2412-01 | Finance Officer, Grade W41 |
| 2412-02 | Assistant Finance Officer, Grade W27 |
| 2412-05 | Corporate Financial Adviser |
| 2412-06 | Financial and Investment Adviser |

UNIT GROUP 2413 FINANCIAL ANALYSTS

Financial Analysts conduct quantitative analyses of information affecting investments in public and private institutions.

Tasks include:

- a) analysing company financial profile for investment planning;
- b) monitoring economic, industrial and corporate developments through analysis of available information;
- c) preparing investment action plans based on financial analyses;
- d) presenting oral and written reports on general economic trends, individual corporations, and entire industries;
- e) performing related tasks; and
- f) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: (*refer to index; unit group 2413*)

| | |
|---------|--------------------------|
| 2413-01 | Financial Analyst |
| 2413-02 | Bond Analyst |
| 2413-03 | Investment Consultant |
| 2413-04 | Operational Risk Analyst |

MINOR GROUP 242 ADMINISTRATION PROFESSIONALS

Administration Professionals apply various concepts and theories to improve the effectiveness of organisations and the individuals within the organisations.

UNIT GROUP 2421 **MANAGEMENT AND ORGANISATION ANALYSTS**

Management and Organisation Analysts assist organisations to achieve greater efficiency and solve organisational problems. They study organisational structures, methods, systems and procedures.

Tasks include:

- a) conducting inspection, examining and analysing property data for preparation of assessment report;
- b) assisting and encouraging the development of objectives, strategies and plans aimed at achieving customer satisfaction and the efficient use of organisation resources;
- c) analysing and evaluating current systems and structures;
- d) discussing current systems with staff and observing systems at all levels of organisation;
- e) providing guidance to clients for a more efficient organisation and finding solutions to organisational problems;
- f) undertaking and reviewing studies by analysing existing and proposed methods and procedures such as administrative and clerical procedures;
- g) recording and analysing organisational work flow charts, records, reports, manuals and job descriptions;
- h) preparing and making proposals to revise methods and procedures, alter work flows, redefine job functions and resolve organisational problems;
- i) assisting in implementing approved recommendations, verifying revised regulations and procedure manuals, and drafting other documentation;
- j) reviewing operating procedures and advising on departure from procedures and standards;
- k) performing related tasks; and
- l) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: ([refer to index; unit group 2421](#))

| | |
|---------|--|
| 2421-01 | Evaluation Officer, Grade W41 |
| 2421-02 | Assistant Valuation Officer, Grade W27 |
| 2421-03 | Organisation and Method Analyst |
| 2421-04 | Research and Information Analyst |

UNIT GROUP 2422 **POLICY ADMINISTRATION PROFESSIONALS**

Policy Administration Professionals plan, devise and execute policies on management of human resource and the organisation, financial resources, the economy, administration and development of regions/districts/local areas/land, social planning and administration, international relations and foreign affairs (including foreign services), national security/defence and information technology management.

Tasks include:

- a) liaising and consulting with programme administrators and other interested parties to identify policy needs;
- b) reviewing existing policies and regulations to identify anomalies and inappropriate

- allocations;
- c) researching social, economic and industrial trends, and client expectations of programmes and services provided;
- d) formulating and analysing policy options, preparing briefing papers and recommendations for policy changes, and advising on preferred options;
- e) conducting threat and risk assessments and developing responses;
- f) reviewing operations and programmes to ensure consistency with organisational policies;
- g) performing related tasks; and
- h) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index; unit group 2422)*

| | |
|---------|--|
| 2422-01 | Administrative and Diplomatic Officer, Grade M41 |
| 2422-02 | Policy Analyst |
| 2422-03 | Intelligence Officer |
| 2422-04 | Policy Officer |

UNIT GROUP 2423 PERSONNEL AND CAREER PROFESSIONALS

Personnel and Career Professionals provide professional business services related to personnel policies such as employee recruitment or development, occupational analyses and vocational guidance.

Tasks include:

- a) advising on and performing personnel functions relating to recruitment, placement, training, staff performance, promotion, compensation and employee-management relations;
- b) maintaining personnel records and associated human resource information systems;
- c) studying and analysing jobs performed in an establishment, conducting interviews with workers, supervisors and the management, and writing detailed post, job and occupation descriptions from data obtained;
- d) preparing occupational information booklets/pamphlets and occupational classification systems;
- e) advising on aspects of personnel administration, manpower research and planning, training or occupational information and vocational guidance;
- f) studying and advising individuals on employment opportunities, career choices and further education or training;
- g) providing guidance to students, parents and teachers in a wide range of matters, including students' personal problems, learning difficulties and special needs;
- h) performing related tasks; and
- i) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index; unit group 2423)*

| | |
|---------|--------------------------|
| 2423-01 | Personnel Safety Officer |
| 2423-02 | Personnel Officer |
| 2423-03 | Human Resource Executive |
| 2423-04 | Job Analyst |

UNIT GROUP 2424 TRAINING AND STAFF DEVELOPMENT PROFESSIONALS

Training and Staff Development Professionals plan, develop, conduct and evaluate training and development programmes to ensure that the management and staff acquire skills and develop the competencies required by the organisation to meet organisational objectives.

Tasks include:

- a) identifying training needs and requirements of individuals and organisations;
- b) setting human resource development objectives and evaluating learning outcomes;
- c) preparing and developing instructional training material and aids such as handbooks, visual aids, online tutorials, demonstration models and supporting training reference documentation;
- d) designing, coordinating, scheduling and conducting training and development programmes that can be delivered in the form of individual and group instruction, and facilitating workshops, meetings, demonstrations and conferences;
- e) liaising with external training providers to arrange delivery of specific training and development programmes;
- f) promoting internal and external training and development, and evaluating these promotional activities;
- g) monitoring and conducting ongoing evaluation and assessment of internal and external training quality and effectiveness, and reviewing and modifying training objectives, methods and course deliverables;
- h) performing related tasks; and
- i) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: ([refer to index; unit group 2424](#))

| | |
|---------|-----------------------------------|
| 2424-01 | Staff Training Officer |
| 2424-02 | Vocational Staff Training Officer |
| 2424-03 | Workforce Development Specialist |

UNIT GROUP 2425 ADMINISTRATIVE PROFESSIONALS

Administrative Professionals handle work related to financial management, supply and development procurement, management, services of personnel, office administration, official functions, consular matters and other administrative duties.

Tasks include:

- a) planning, formulating and implementing public policies;
- b) preparing working papers, concept papers and reports on organisational performance;
- c) organising meetings / conferences;
- d) conducting research and maintaining organisational profile and database;
- e) coordinating travel arrangements for staff on work matters;
- f) preparing and assessing follow-up reports of staff and/or clients;
- g) coordinating all training courses and maintaining staff training records;
- h) maintaining scheduling record;
- i) handling stationery requisition, printing, binding and general logistics support;
- j) performing related tasks; and
- k) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: ([refer to index; unit group 2425](#))

| | |
|---------|--|
| 2425-01 | Administrative Officer, Grade N41 |
| 2425-02 | Executive Officer (Administration), Grade 41 |
| 2425-18 | Administration Executive Officer |
| 2425-19 | Operation Executive |

UNIT GROUP 2426 RESEARCH AND DEVELOPMENT PROFESSIONALS

Research and Development Professionals plan, execute policies and responsible for basic research and science to the development of technology and new inventions.

Tasks include:

- a) conducting research to produce new discoveries;
- b) conducting research to improve the quality of existing inventions;
- c) conducting research to improve production;
- d) evaluating and determining the results of such research could be used for development purposes;
- e) enforcing relevant acts;
- f) carrying out studies and research on quality assurance, research and the transfer of science and technology and development, and training courses for users in the country;
- g) conducting basic and applied research, expert advice, and disseminate information on related technologies in the country;
- h) carrying out research development (R & D) in various fields; and
- i) enhancing knowledge and coordinating the work performance

Examples of the occupations classified here: (*refer to index; unit group 2426*)

| | |
|---------|------------------------------------|
| 2426-01 | Research Officer, Grade Q41 |
| 2426-02 | Scientific Officer, Grade C41 |
| 2426-06 | Agro-Based Biotech Food Researcher |
| 2426-07 | Aquaculture Biotech Researcher |

MINOR GROUP 243 SALES, MARKETING AND PUBLIC RELATIONS PROFESSIONALS

Sales, Marketing and Public Relations Professionals plan, develop, coordinate and carry out information dissemination programmes to promote the organisation, goods and services, and represent companies in selling a range of technical, industrial, medical, pharmaceutical and ICT goods and services to improve their structure, efficiency and/or profits.

UNIT GROUP 2431 ADVERTISING AND MARKETING PROFESSIONALS

Advertising and Marketing Professionals develop and coordinate advertising strategies and campaigns and develop market opportunities for new and existing goods and services.

Tasks include:

- a) planning, implementing and monitoring various business activities;
- b) reporting on customer feedback and requirements to manufacturers;
- c) developing and devising creative ideas for an advertising campaign for a brand or business;
- d) advising clients on how, when and where to spend their advertising budgets;
- e) providing direct, creative and strategic communication with the target audience, e.g. direct mail and direct response radio advertising;
- f) interacting with the media;
- g) performing related tasks; and
- h) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: (*refer to index; unit group 2431*)

| | |
|---------|----------------------------------|
| 2431-01 | Advertising Account Executive |
| 2431-02 | Market Research Business Analyst |
| 2431-03 | Sales Promotion Officer |
| 2431-04 | Business Efficiency Officer |

UNIT GROUP 2432 PUBLIC RELATIONS PROFESSIONALS

Public Relations Professionals improve, advise or apply operational methods to build, maintain and manage communications between an organisation and the public.

Tasks include:

- a) managing press conferences, draft press releases, briefing notes and information publications, exhibitions and annual reports;
- b) writing and editing press releases, in-house newsletters, speeches, articles and annual reports;
- c) maintaining and updating information on the organisation's website;
- d) preparing and supervising the production of publicity brochures, handouts, promotional videos, photographs, films and multimedia programmes;
- e) responding to queries from individuals, journalists and other organisations;
- f) giving briefings at presentations, press conferences, radio and TV interviews, and meetings;
- g) developing and maintaining good working relations with the media, including local and national newspapers, magazines, radio and television;
- h) organising special events such as press conferences, exhibitions, open days, tours, competitions and sponsorship;
- i) fostering community relations through events such as open days and involvement in community initiatives;
- j) focusing on improving the well-being of individuals, families and the community.
- k) planning, research and evaluation;
- l) performing related tasks; and
- m) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: (refer to index; unit group 2432)

| | |
|---------|--|
| 2432-01 | Information Officer, Grade S41 |
| 2432-02 | Assistant Information Officer, Grade S27 |
| 2432-03 | Public Relations Officer |
| 2432-04 | Corporate Affairs Executive |

UNIT GROUP 2433 TECHNICAL AND MEDICAL SALES PROFESSIONALS (EXCLUDING ICT)

Technical and Medical Sales Professionals (Excluding ICT) improve, advise or apply operational methods specialised in the sale of medical and healthcare products including installations, equipment and technical products and related services, and provide specialised information as required.

Tasks include:

- a) assessing clients' needs and recommending appropriate goods or services;
- b) attending company meetings, technical data presentations and briefings;
- c) being sensitive to the development of the National Health Service (NHS), anticipating potential negative and positive impacts on the business and adopting appropriate strategies;
- d) keeping abreast of the health service activities in a particular area;
- e) providing information on the design for products or services which shall be in accordance with customer requirements;
- f) preparing reports and working papers to carry out a demonstration of the benefits of a product or service;
- g) arranging delivery of goods, installation of equipment and provision of services;
- h) planning, research and evaluation;
- i) performing related tasks; and
- j) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: (refer to index; unit group 2433)

| | |
|---------|--|
| 2433-01 | Sales Representative, Medical |
| 2433-02 | Sales Representative, Medical Devices |
| 2433-03 | Sales Representative, Medical Hardware |
| 2433-04 | Sales Representative, Active Implantable Devices |

UNIT GROUP 2434 INFORMATION AND COMMUNICATIONS TECHNOLOGY (ICT) SALES PROFESSIONALS

Information and Communications Technology (ICT) Sales Professionals sell a range of computer hardware, software and other information and communications technology goods and services including installation and provide specialised information as required.

Tasks include:

- a) soliciting orders and selling goods to retail, industrial, wholesale and other establishments;
- b) selling technical equipment, supplies and services to business establishments or individuals;
- c) discussing the needs of new and existing customers and providing specialised information about how specific equipment, supplies and services meet those needs;
- d) quoting and negotiating prices and credit terms, completing contracts and recording orders;
- e) updating customer records and preparing sales reports;
- f) arranging delivery of goods, installation of equipment and provision of services; and
- g) reporting customers' reactions and requirements to manufacturers.

Examples of the occupations classified here: (refer to index; unit group 2434)

| | |
|---------|---|
| 2434-01 | Sales Representative, Information and Communications Technology |
| 2434-02 | Sales Representative, Computer |
| 2434-03 | Product Support Engineer |
| 2434-04 | Information Technology Sales Engineer |

SUB-MAJOR 25 INFORMATION AND COMMUNICATIONS TECHNOLOGY PROFESSIONALS

Information and Communications Technology Professionals conduct research, plan, design, write, test, advise and improve information technology systems, hardware, software and related concepts for specific applications; develop associated documentation including principles, policies and procedures; and design, develop, control, maintain and support databases and other information systems to ensure optimal performance and data integrity and security.

MINOR GROUP 251 SOFTWARE AND APPLICATION DEVELOPERS AND ANALYSTS

Software and Application Developers and Analysts conduct research, plan, design, write, test, advise on and improve information technology systems such as hardware, software and other applications to meet specific requirements.

UNIT GROUP 2511 SYSTEMS ANALYSTS

Systems Analysts gather and analyse facts on operations, procedures and systems for transfer into a program appropriate for data processing equipment, and recommend computer use to increase productivity efficiency and organisational profit.

Tasks include:

- a) preparing program specifications for computer programmers;
- b) conducting research, analysing and evaluating information technology requirements, procedures or customer problems;
- c) developing, implementing recommendations and plans for improving current or future information systems;
- d) identifying and evaluating inefficiencies and analysing processes, procedures and work practices to optimise organisational performance;
- e) creating, taking on and implementing system testing projects;
- f) developing functional specifications for use by system developers;
- g) expanding or modifying systems to improve work flow or new services;
- h) coordinating and linking the computer systems within an organisation to increase optimise organisational operation;
- i) performing related tasks; and
- j) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: (*refer to index; unit group 2511*)

| | |
|---------|--|
| 2511-01 | Computer Communications Analyst |
| 2511-02 | Electronic Data Processing Analyst |
| 2511-03 | Management Information Systems (MIS) Analyst |
| 2511-04 | Computer Systems Analyst |

UNIT GROUP 2512 SOFTWARE DEVELOPERS

Software Developers study, analyse and evaluate requirements for existing or new software applications and operating systems, and design, develop, test and maintain software solutions to meet the requirements.

Tasks include:

- a) studying, analysing and evaluating requirements for software applications and operating systems;
- b) studying, designing and developing computer software systems;
- c) consulting with engineering staff to evaluate interfaces between hardware and software;

- d) developing and directing software testing and procedure validation;
- e) modifying existing software to correct errors, to adapt it to new hardware or to upgrade interfaces and improve performance;
- f) directing software programming and development of documentation;
- g) assessing, developing, upgrading and documenting maintenance procedures for operating systems, communication environments and application software;
- h) consulting with customers concerning maintenance of software system; and
- i) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index; unit group 2512)*

| | |
|---------|-------------------------------|
| 2512-01 | Software Developer |
| 2512-02 | Multimedia Software Developer |
| 2512-03 | Software Designer |
| 2512-04 | Design Engineer |

UNIT GROUP 2513 WEB AND MULTIMEDIA DEVELOPERS

Web and Multimedia Developers combine design and technical knowledge to study, analyse, evaluate, design, programme and modify websites and applications that display text, graphics, animation, imaging, audio and video, and other interactive media.

Tasks include:

- a) analysing, designing and developing Internet sites applying a mixture of artistry and creativity with software programming and scripting languages and interfacing with operating environments;
- b) designing and developing digital animation, imaging, presentations, games, audio and video clips, and Internet applications using multimedia software, tools and utilities, interactive graphics and programming languages;
- c) communicating with network specialists regarding web-related issues such as security and hosting websites to control and enforce Internet and web server security, space allocation, user access, business continuity, website backup and disaster recovery planning;
- d) designing, developing and integrating computer code with other specialised inputs such as image files, audio files and scripting languages to produce, maintain and support websites;
- e) assisting in analysing, specifying and developing Internet strategies, web-based methodologies and development plans;
- f) performing related tasks; and
- g) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index; unit group 2513)*

| | |
|---------|------------------------------|
| 2513-01 | Website Developer |
| 2513-02 | Internet/ Intranet Developer |
| 2513-03 | Website Architect |
| 2513-04 | Webmaster |

UNIT GROUP 2514 APPLICATION PROGRAMMERS

Application Programmers write and maintain programmable code outlined in technical instructions and specifications for software applications and operating systems.

Tasks include:

- a) writing and maintaining the program code outlined in instructions and specifications in accordance with quality accredited standards;
- b) revising, repairing or expanding existing programs to increase operating efficiency or adapt to new requirements;
- c) conducting trial runs of programs and software applications to confirm that they will produce the desired information;
- d) compiling and writing documentation of program development;
- e) identifying and communicating technical problems, processes and solutions;
- f) performing related tasks; and
- g) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: ([refer to index; unit group 2514](#))

| | |
|---------|-----------------------------------|
| 2514-01 | Computer Programmer |
| 2514-02 | Software Programmer |
| 2514-03 | Technical Programmer |
| 2514-04 | Information Technology Programmer |

UNIT GROUP 2519 SOFTWARE AND APPLICATION DEVELOPERS AND ANALYSTS NOT ELSEWHERE CLASSIFIED

This unit group covers Software and Application Developers and Analysts Not Elsewhere Classified in minor group 251: Software and Application Developers and Analysts.

Tasks include:

- a) developing and documenting software testing plans;
- b) installing software and hardware and configuring operating system software in preparation for testing;
- c) verifying that programme functions are according to user requirements and established guidelines;
- d) executing, analysing and documenting results of software application tests and information and telecommunication system tests;
- e) developing and implementing software and basic information system testing, procedures and scripts;
- f) performing related tasks; and
- g) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: ([refer to index; unit group 2519](#))

| | |
|---------|---|
| 2519-01 | Software Tester |
| 2519-02 | Systems Tester |
| 2519-03 | Product Quality Assurance Engineer (IT) |
| 2519-04 | QA Analyst (IT) |

MINOR GROUP 252 DATABASE AND NETWORK PROFESSIONALS

Database and Network Professionals design, develop, maintain and support optimal performance and control security and infrastructure, including database, hardware and software, network and operating systems.

UNIT GROUP 2521 **DATABASE DESIGNERS AND ADMINISTRATORS**

Database Designers and Administrators design, develop, control, maintain and support the optimal performance and security of databases.

Tasks include:

- a) designing and developing database architecture and structures for information system projects;
- b) designing, constructing, modifying, integrating, implementing and testing database management systems;
- c) conducting research and advising on the selection, application and implementation of database management tools;
- d) developing and implementing data administration policy, documentation, standards and models;
- e) developing policies and procedures for database backup and data recovery;
- f) conducting preventive operations and maintenance of backups and recovery, and enforcing security and integrity controls;
- g) performing related tasks; and
- h) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: (*refer to index; unit group 2521*)

| | |
|---------|------------------------|
| 2521-01 | Database Architect |
| 2521-02 | Database Analyst |
| 2521-03 | Database Administrator |
| 2521-04 | Database Designer |

UNIT GROUP 2522 **INFORMATION TECHNOLOGY SYSTEM ADMINISTRATORS**

Information Technology System Administrators develop, maintain and support optimal performance and control security of information technology systems.

Tasks include:

- a) maintaining and administering computer networks and related computing environments including computer hardware, system software, application software and all configurations;
- b) recommending changes to improve systems and network configurations, and determining hardware or software requirements related to such changes;
- c) diagnosing hardware and software problems; performing data backup and disaster recovery operation;
- d) operating master consoles to monitor the performance of computer systems and networks, and coordinating computer network access and use;
- e) performing related tasks; and
- f) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: (*refer to index; unit group 2522*)

| | |
|---------|--|
| 2522-01 | Information Technology Officer, Grade F41 |
| 2522-02 | Executive Officer (Information Technology), Grade 41 |
| 2522-09 | Information System Officer |
| 2522-10 | Network Communications Executive |

UNIT GROUP 2523 COMPUTER NETWORK PROFESSIONALS

Computer Network Professionals research, analyse and recommend strategies for network architecture and development. They implement, manage, maintain and configure network hardware and software, and monitor, troubleshoot and optimise performance.

Tasks include:

- a) analysing, developing, interpreting and evaluating complex system designs and architectural specifications, data models and diagrams in computer system development configuration and integration;
- b) investigating, analysing, evaluating and monitoring the network infrastructure to ensure networks are configured to operate at optimum performance;
- c) assessing and recommending improvements to network operations and integrated hardware, software, communications and operating systems;
- d) providing specialist skills in supporting and troubleshooting network problems and emergencies;
- e) installing, configuring, testing, maintaining and administering new and upgraded networks, software database applications, servers and workstations;
- f) providing network programming to support business and special requirements;
- g) providing and maintaining procedures and documentation for network inventory, and recording diagnoses and resolutions of network faults, enhancements and modifications to the network, and maintenance instructions;
- h) performing related tasks; and
- i) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: ([refer to index; unit group 2523](#))

| | |
|---------|--------------------------------------|
| 2523-01 | Network Analyst |
| 2523-02 | Network Service Consultant |
| 2523-03 | Network Administrator |
| 2523-04 | Network Infrastructure Administrator |

UNIT GROUP 2529 DATABASE AND NETWORK PROFESSIONALS NOT ELSEWHERE CLASSIFIED

This unit group covers Database and Network Professionals Not Elsewhere Classified in Minor Group 252: Database and Network Professionals.

Tasks include:

- a) developing plans to safeguard computer files against modification, destruction or disclosure to meet emergency data processing needs;
- b) training users and promoting security awareness to ensure system security and to improve server and network efficiency;
- c) conferring with users on issues such as computer data access needs, security violations and programming changes;
- d) monitoring use of data files and regulating access to safeguard information in computer files;
- e) performing risk assessments and executing tests on the data processing system to ensure functioning of data processing activities and security measures;
- f) performing related tasks; and
- g) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: ([refer to index; unit group 2529](#))

| | |
|---------|--|
| 2529-01 | Information and Communications Technology Security Executive |
| 2529-02 | Cyber Security Executive |
| 2529-03 | Digital Forensic Specialist |
| 2529-04 | Security Specialist (IT) |

SUB-MAJOR 26 LEGAL PROFESSIONALS

Legal Professionals conduct research, improve or develop concepts, theories and operational methods, or apply knowledge in activities relating to the law and regulations.

MINOR GROUP 261 LEGAL PROFESSIONALS

Legal Professionals conduct research, improve or develop concepts, theories and methods of operation, or apply their knowledge in activities relating to the law and regulations, and plead cases or conduct prosecutions in courts, or preside over judicial proceedings and pronounce judgement in courts.

UNIT GROUP 2611 LAWYERS

Lawyers give clients legal advice on a wide variety of subjects and plead cases or conduct prosecutions in courts, or instruct barristers or advocates to plead in higher courts of justice.

Tasks include:

- a) supervising and administering the Legal Aid Bureau branches, drafting statements of claim, statements of defence, petitions, affidavits, giving legal advice to eligible clients, representing clients in trials in the Court of Appeal, High Court, Magistrates' Court and the Sharia Court;
- b) managing the Sharia Court in the district, acting as the Sharia Subordinate Court Judge, preparing the grounds of judgment of appeal cases, legal reports for publication in the Sharia Law Journal and certifying the application certificate in estate distribution under the designated jurisdiction;
- c) drafting legislation and preparing government regulations based on existing laws;
- d) providing legal advice to clients (including the government) on a wide variety of subjects and undertaking legal business on clients' behalf;
- e) assisting clients to negotiate settlements in matters which involve legal disputes;
- f) examining the circumstances of disputes or reported crimes to ascertain facts and their legal implications;
- g) preparing pleadings or cases for the plaintiff or defendant and conducting them in court;
- h) representing clients in the lower court or instructing barristers or advocates to plead in higher courts of justice;
- i) receiving briefs and pleading in a higher court;
- j) acting as prosecutor on behalf of the government in criminal cases;
- k) drawing up legal documents, wills, affidavits, contracts and administering oaths;
- l) performing related tasks; and
- m) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: (*refer to index; unit group 2611*)

| | |
|---------|--------------------------|
| 2611-01 | Legal Officer, Grade L41 |
| 2611-02 | Prosecutor, Grade L41 |
| 2611-19 | Prosecutor |
| 2611-20 | Lawyer |

UNIT GROUP 2612 JUDGES

Judges preside over criminal and civil proceedings in courts of law.

Tasks include:

- a) hearing and weighing arguments and evidence;
- b) interpreting and enforcing regulatory procedure and making rulings on the admissibility of evidence;
- c) directing the jury on the legal details applicable to the case;
- d) researching a legal issue and preparing a report on the issue;
- e) determining the rights and obligations of the parties involved;
- f) pronouncing judgment;
- g) performing related tasks; and
- h) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: ([refer to index; unit group 2612](#))

| | |
|---------|----------------------|
| 2612-01 | Judge |
| 2612-02 | Magistrate |
| 2612-03 | Judge, Native Court |
| 2612-04 | Judge, Federal Court |

UNIT GROUP 2619 LEGAL PROFESSIONALS NOT ELSEWHERE CLASSIFIED

This unit group covers Legal Professionals Not Classified Elsewhere in Minor Group 261: Legal Professionals.

Tasks include:

- a) drawing up legal documents and affirming and administering oaths and statutory declarations;
- b) implementing legal policy and regulations;
- c) performing administration work in courts of law;
- d) administering the estates of deceased persons or other trusts;
- e) taking charge and administering estates of insolvents (bankrupts) or properties and assets of companies;
- f) determining, by inquest, the causes of any death not obviously due to natural causes;
- g) performing related tasks; and
- h) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: ([refer to index; unit group 2619](#))

| | |
|---------|------------------------|
| 2619-01 | Notary |
| 2619-02 | Commissioner for Oaths |
| 2619-03 | Registrar of Court |
| 2619-04 | Trust Officer |

SUB-MAJOR 27 HOSPITALITY AND RELATED SERVICES PROFESSIONALS

Hospitality and Related Services Professionals conduct research, improve or develop concepts, theories and operational methods, or apply technical knowledge of hotel and restaurant operations or other similar organizations.

MINOR GROUP 271 HOTEL AND RESTAURANT PROFESSIONALS

Hotel and Restaurant Professionals conduct research, plan, develop, and improve operations management organization providing accommodation, food, drinks and other hospitality services.

UNIT GROUP 2711 HOTEL PROFESSIONALS

Hotel Professionals conduct research, plan, develop, and improve operational management of hotels, motels and similar establishments providing accommodation and other services, including front office (reception, concierge and reservations), food and beverage operations and housekeeping.

Tasks include:

- a) planning and improving operational management of hotels, restaurants and establishments;
- b) organizing accommodation, catering and other hotel services;
- c) promoting and marketing the business;
- d) implementing the budget plan, finance and control expenses;
- e) setting and achieving sales and profit targets;
- f) recruiting, training and monitoring staff;
- g) planning work schedules for individuals and teams;
- h) meeting and greeting customers;
- i) handling customer complaints and comments;
- j) addressing and resolving problems;
- k) ensuring events and conferences run smoothly;
- l) supervising maintenance, supplies, renovations and furnishings;
- m) dealing with contractors and suppliers;
- n) ensuring security is effective;
- o) carrying out inspections of property and services;
- p) ensuring compliance with licensing laws, health and safety and other statutory regulations;
- q) performing related tasks; and
- r) enhancing knowledge and coordinating the work performance.

Examples of the occupations classified here: ([refer to index; unit group 2711](#))

| | |
|---------|--|
| 2711-01 | Guest Service Officer |
| 2711-02 | Hotel Operations Executive |
| 2711-03 | Food and Beverage Guest Services Executive |
| 2711-04 | Executive Concierge Hotel |

UNIT GROUP 2712 RESTAURANT PROFESSIONALS

Restaurant Professionals conduct research, plan, develop and improve the operational management of cafes, restaurants and similar establishments providing food and catering services.

Tasks include:

- a) planning and improving the management of restaurant operations;
- b) analyzing the level of sales and profit restaurant;
- c) planning and coordinating menus;
- d) coordinating the entire operation of the restaurant during scheduled shifts;
- e) ensuring all employees adhere to the company's uniform standards;
- f) meeting and greeting customers and organizing table reservations;
- g) advising customers on menu and beverage choices;
- h) organizing and supervising the shifts of kitchen, waiting and cleaning staff;
- i) maintaining high standards of quality control, hygiene and health and safety;
- j) inspecting stockpiles and ordering supplies;
- k) providing petty cash as required;
- l) implementing policies;
- m) preparing the budget estimates;
- n) planning and controlling the use of resources and recruitment;
- o) performing related tasks, and
- p) enhancing knowledge and coordinating the work performance.

Examples of the occupations classified here: ([refer to index; unit group 2712](#))

| | |
|---------|------------------------------------|
| 2712-01 | Food Preparation Officer Grade C41 |
| 2712-02 | Food Preparation Executive |
| 2712-03 | Kitchen Administrator |
| 2712-04 | Food and Beverage Personnel |

SUB-MAJOR 28 SOCIAL AND CULTURAL PROFESSIONALS

Social and Cultural Professionals conduct research, improve or develop concepts, theories and operational methods, or apply scientific knowledge relating to fields such as librarianship, society and religion, journalism and creative arts.

MINOR GROUP 281 LIBRARIANS, ARCHIVISTS AND CURATORS

Librarians, Archivists and Curators develop and maintain the collections of libraries, archives, museums, art galleries and similar establishments.

UNIT GROUP 2811 ARCHIVISTS AND CURATORS

Archivists and Curators collect, appraise and ensure the safekeeping and preservation of the collections of libraries, archives, museums, art galleries and similar establishments. They plan, devise and implement systems for the safekeeping of records and historically valuable documents.

Tasks include:

- a) identifying the institutions / individuals in any country as may be necessary to obtain all kinds of archival material relating to Malaysia and managing procurement processing, classification, translation, publishing and reference description preparation of such materials;
- b) carrying out management and administrative tasks, planning, coordinating and implementing activities such as museum exhibits, preservation and conservation of ancient objects, research on archaeology, flora and fauna, national culture, offering museology advice and preparing reports on research findings;
- c) researching into, appraising, developing, managing and preserving historically significant and valuable documents;
- d) directing or carrying out the preparation of indexes, bibliographies, microfilm copies and other reference aids of the collection of materials and making them available to users;
- e) researching into the origin, distribution and use of materials and objects of cultural and historical interest;
- f) managing, developing and maintaining collections of items of artistic, cultural, scientific or historical significance in museums or art galleries;
- g) cataloguing museum and art gallery collections and organising exhibitions;
- h) maintaining records;
- i) performing related tasks; and
- j) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: (*refer to index; unit group 2811*)

| | |
|---------|----------------------------|
| 2811-01 | Archive Officer, Grade S41 |
| 2811-02 | Curator, Grade S41 |
| 2811-05 | Archivist |
| 2811-06 | Curator |

UNIT GROUP 2812 LIBRARIANS AND RELATED INFORMATION PROFESSIONALS

Librarians and Related Information Professionals collect, select, organise and maintain library collections and other information repositories, organise and control other library services and provide information for users.

Tasks include:

- a) carrying out administrative tasks and financial management, human resource management and supervision, maintaining and ensuring the security of information sources and ICT applications in libraries;
- b) classifying or supervising classification, indexing, cataloguing, circulation of library materials and maintaining records;
- c) selecting and recommending acquisitions of books and other printed materials or audio-visual recordings;
- d) assisting inquirers and retrieving information from manual files or computerised databases;
- e) supervising the maintenance of books and other materials;
- f) managing interlibrary loan systems and information networks;
- g) maintaining liaison with other libraries and library associations;
- h) performing related tasks; and
- i) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: ([refer to index; unit group 2812](#))

| | |
|---------|---------------------------------------|
| 2812-01 | Librarian, Grade S41 |
| 2812-02 | Executive Officer (Library), Grade 41 |
| 2812-09 | Librarian |
| 2812-10 | Bibliographer |

MINOR GROUP 282 SOCIAL AND RELIGIOUS PROFESSIONALS

Social and Religious Professionals conduct research, improve or develop concepts, theories and operational methods, or apply knowledge relating to philosophy, politics, economics, sociology, anthropology, history, philology, languages, psychology, religious faiths and other social sciences, or they provide social services to meet the needs of individuals and families in a community.

UNIT GROUP 2821 ECONOMISTS

Economists conduct research, monitor data, analyse information and prepare reports, and resolve economic and business problems. They develop models for analysis and understanding and make predictions of future economic circumstances and trends.

Tasks include:

- a) compiling, analysing and interpreting economic and statistical data;
- b) preparing reports on research findings;
- c) advising on economic policy and course of action to be followed in the light of analyses of past, present and projected economic factors;
- d) performing related tasks; and
- e) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: ([refer to index; unit group 2821](#))

| | |
|---------|---|
| 2821-01 | Economic Affairs Officer, Grade E41 |
| 2821-02 | Assistant Economic Affairs Officer, Grade E27 |
| 2821-05 | Econometrician |
| 2821-06 | Economist |

UNIT GROUP 2822 SOCIOLOGISTS, ANTHROPOLOGISTS AND RELATED PROFESSIONALS

Sociologists, Anthropologists and Related Professionals investigate and describe the social structure of societies, the origin and evolution of humanity, and the interdependence between environmental conditions and human activities. They provide advice on their findings in the formulation of economic and social policies.

Tasks include:

- a) planning research programmes including designing studies, collection and analysis of information and its assessment, on the national development policies and programmes;
- b) conducting research on the origin, development, structure, social patterns, organisations and inter-relationships of human society;
- c) tracing the origin and evolution of humanity through the study of changing characteristics and cultural and social institutions;
- d) tracing the development of humanity through relics such as dwellings, temples, tools, pottery, coins, weapons or sculptures;
- e) performing related tasks; and
- f) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: (*refer to index; unit group 2822*)

| | |
|---------|--|
| 2822-01 | Social Research Officer, Grade N41 |
| 2822-02 | Assistant Social Research Officer, Grade N27 |
| 2822-03 | Sociologist |
| 2822-04 | Anthropologist |

UNIT GROUP 2823 PHILOSOPHERS, HISTORIANS AND POLITICAL SCIENTISTS

Philosophers, Historians and Political Scientists conduct research and describe past events and activities including the development of social and economic structures and institutions, and political movements.

Tasks include:

- a) researching, specifically through reasoning, into the general causes, principles and meaning of the world, human actions, experience and existence, and interpreting and developing philosophical concepts and theories;
- b) consulting and comparing primary sources such as original contemporary records of past events and secondary sources such as archaeological or anthropological findings;
- c) extracting relevant material, checking its authenticity and researching into and describing the history of a particular period, country or region, or a particular facet (for example economic, social or political) of its history;
- d) conducting research in such fields as political philosophy, or theory and practice of systems, institutions or past and current political situations;
- e) observing contemporary political institutions and collecting data on them from various sources including interviews with government and political party officials and other relevant persons;
- f) presenting findings and conclusions in publications for use by government, political parties or other organisations and interested persons;
- g) performing related tasks; and
- h) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index; unit group 2823)*

| | |
|---------|-----------------------|
| 2823-01 | Philosopher |
| 2823-02 | Political Philosopher |
| 2823-03 | Historian |
| 2823-04 | Political Scientist |

UNIT GROUP 2824 PSYCHOLOGISTS

Psychologists research into and study human mental processes and behaviour and apply this knowledge to promote personal, social, educational or occupational adjustment and development.

Tasks include:

- a) planning, implementing and coordinating activities related to psychology / clinical psychology / counselling for the client;
- b) advising on, planning and carrying out tests to measure mental, physical and other characteristics such as intelligence, abilities, attitudes and potential, and interpreting and evaluating results;
- c) analysing heredity, social, occupational effects and those caused by other factors on individual thought and behaviour;
- d) holding counselling sessions or therapeutic treatment and providing follow-up services;
- e) maintaining communication with family members, educational authorities or employers and recommending possible solutions to and treatment of problems;
- f) studying psychological factors in the diagnosis, treatment and prevention of mental illnesses and emotional or personality disorders, and conferring with related professionals;
- g) performing related tasks; and
- h) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index; unit group 2824)*

| | |
|---------|--|
| 2824-01 | Psychology Officer, Grade S41 |
| 2824-02 | Executive Officer (Psychology), Grade 41 |
| 2824-05 | Psychologist |
| 2824-06 | Clinical Psychologist |

UNIT GROUP 2825 SOCIAL WORK AND COUNSELLING PROFESSIONALS

Social Work and Counselling Professionals provide advice and guidance to individuals, families, groups, communities and organisations in response to social and personal difficulties. They assist clients to develop skills, access the resources and support services needed to respond to issues arising from unemployment, poverty, disability, addiction, criminal and delinquent behaviour, marital and other problems.

Tasks include:

- a) planning, implementing and coordinating activities related to psychology / clinical psychology / counselling for the client;
- b) helping individuals and families with personal and social problems;
- c) collecting information relevant to clients' needs and advising them on their rights and obligations;
- d) analysing the clients' situation and presenting alternative approaches to resolving problems;

- e) preparing and compiling case records or reports for court and other legal proceedings;
- f) providing guidance to at-risk youth and rehabilitating troubled youth by organising and supervising social, educational and recreational activities in youth clubs, community centres and similar organisations;
- g) helping physically or mentally handicapped persons to obtain adequate treatment and improve their ability to function in society;
- h) planning, organising or providing home-help services;
- i) monitoring the progress of clients;
- j) performing related tasks; and
- k) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index; unit group 2825)*

| | |
|---------|--|
| 2825-01 | Community Development Officer, Grade S41 |
| 2825-02 | Assistant Community Development Officer, Grade S27 |
| 2825-03 | Social Worker, Professional |
| 2825-04 | Counsellor |

UNIT GROUP 2826 RELIGIOUS PROFESSIONALS

Religious Professionals function as perpetuators of sacred traditions, practices and beliefs. They lead religious ceremonies, provide spiritual and moral guidance and perform other functions associated with the practice of a religion.

Tasks include:

- a) being responsible to the *Mufti* in carrying out research and preparation to enable the *Mufti* to issue a fatwa on the effectiveness of a planned programme;
- b) perpetuating sacred traditions, practices and beliefs;
- c) leading religious rites and ceremonies;
- d) undertaking various administrative and social duties including being in committees and attending meetings of religious organisations;
- e) providing spiritual and moral guidance in accordance with the religion professed;
- f) propagating religious doctrines;
- g) preparing and delivering religious sermons and preaching;
- h) conducting religious classes and leading prayers and supervising discussions, groups, retreats and seminars;
- i) performing related tasks; and
- j) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index; unit group 2826)*

| | |
|---------|--|
| 2826-01 | Islamic Affairs Officer, Grade S41 |
| 2826-02 | Assistant Islamic Affairs Officer, Grade S27 |
| 2826-03 | Religious Officer |
| 2826-04 | <i>Mufti</i> |

MINOR GROUP 283 AUTHORS, JOURNALISTS AND LINGUISTS

Authors, Journalists and Linguists conceive and create literary works, interpret and communicate news and public affairs through the media and translate or interpret from one language into another.

UNIT GROUP 2831 **AUTHORS AND RELATED WRITERS**

Authors and Related Writers plan, research and write books, scripts, original stories, plays, essays, speeches, manuals, specifications and other non-journalistic articles (excluding material for newspapers, magazines and other periodicals) for publication or presentation.

Tasks include:

- a) writing literary works for publication or dramatic performance;
- b) writing scripts and continuities and preparing programmes for stage, film, radio and television productions;
- c) appraising and writing about literary, musical and other works of art and artistic performances;
- d) interviewing politicians and other public figures at press conferences and on other occasions, including individual interviews recorded for radio or television;
- e) writing editorials and selecting, revising, arranging and editing submitted articles for publication and broadcasting;
- f) appraising manuscripts submitted for publication in book form, making recommendations thereon and editing or supervising the editing of the material;
- g) writing advertising copy promoting a particular product or service;
- h) selecting, assembling and preparing publicity materials about business or other organisations for issue through the press, radio, television and other media;
- i) designing and writing brochures, handbooks and similar technical publications;
- j) performing related tasks; and
- k) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: (*refer to index; unit group 2831*)

| | |
|---------|------------|
| 2831-01 | Author |
| 2831-02 | Biographer |
| 2831-03 | Novelist |
| 2831-04 | Playwright |

UNIT GROUP 2832 **JOURNALISTS**

Journalists research, investigate, interpret and communicate news and public affairs through newspapers, television, radio and other media.

Tasks include:

- a) issuing news reports every day from procured sources for the customer to be made available to the community;
- b) collecting local, national and international news through interviews, investigation and observation, attending public events, seeking out records, reviewing written work, attending film screenings and stage performances;
- c) collecting, reporting and commenting on news and current affairs for publication in newspapers and periodicals or for broadcast by radio or television;
- d) interviewing politicians and other public figures at press conferences and on other occasions, including individual interviews recorded for radio or television;

- e) writing editorials and selecting, revising, arranging and editing submitted articles for publication and broadcasting;
- f) appraising manuscripts submitted for publication in book form, making recommendations thereon and editing or supervising the editing of the material;
- g) writing advertising copy promoting a particular product or service;
- h) selecting, assembling and preparing publicity materials about business or other organisations for issue through the press, radio, television and other media;
- i) writing critical reviews of literary, musical and other artistic works based on knowledge, judgement and experience for newspapers, television, radio and other media;
- j) performing related tasks; and
- k) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index; unit group 2832)*

| | |
|---------|---------------------------------|
| 2832-01 | Journalist, S41 |
| 2832-02 | Publications Officer, Grade N41 |
| 2832-05 | News Reporter |
| 2832-06 | Columnist |

UNIT GROUP 2833 TRANSLATORS, INTERPRETERS AND OTHER LINGUISTS

Translators, Interpreters and Other Linguists translate or interpret from one language into another and study the origin, development and structure of languages.

Tasks include:

- a) studying the relationships between ancient parent languages and modern language groups, tracing the origin and evolution of words, grammar and language forms and presenting findings;
- b) advising on or preparing language classification systems, grammars, dictionaries and similar matters;
- c) translating from one language into another and ensuring that the correct meaning of the original is retained, that legal, technical or scientific texts are correctly rendered and that the phraseology, terminology, spirit and style are conveyed as far as possible;
- d) interpreting from one language into another, in particular at conferences, meetings and similar occasions, and ensuring that the correct meaning and, as far as possible, the spirit of the original are transmitted;
- e) providing simultaneous interpreting at meetings of the Senate and House of Representatives, and editing the questions of the Senate;
- f) specialising in at least two or more languages;
- g) performing related tasks; and
- h) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index; unit group 2833)*

| | |
|---------|-------------------------------------|
| 2833-01 | Interpreter, Grade L17 |
| 2833-02 | Simultaneous Interpreter, Grade N41 |
| 2833-03 | Translator |
| 2833-04 | Interpreter |

MINOR GROUP 284 CREATIVE AND PERFORMING ARTISTS

Creative and Performing Artists conduct research, improve or develop concepts, theories and operational methods, or apply knowledge relating to the arts and performance.

UNIT GROUP 2841 **VISUAL ARTISTS**

Visual Artists create and execute artistic works by sculpting, painting, drawing, cartooning, engraving or using related techniques.

Tasks include:

- a) planning, developing and providing services in the form of teaching, talks, seminars, courses, meetings, demonstrations and other activities;
- b) preserving and developing ideas, designs and styles in literary works, writings and sculptures;
- c) creating artistic designs or abstract three-dimensional or relief forms by shaping and combining materials such as wood, wax, stone, clay or metal;
- d) creating representational or abstract drawings and paintings using pencil, ink, oil paints, watercolours or through the application of other techniques;
- e) creating drawings and engraving or etching on metal, wood or other materials;
- f) creating cartoons to depict persons and events, often in caricature;
- g) creating and executing designs and illustrations for books, magazines, advertising and similar purposes;
- h) restoring damaged, soiled and faded paintings and other art objects;
- i) producing miniatures;
- j) making decorative tattoos on customers;
- k) performing related tasks; and
- l) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: ([refer to index; unit group 2841](#))

| | |
|---------|--------------------------|
| 2841-01 | Sculptor |
| 2841-02 | Cartoonist |
| 2841-03 | Painting Restorer |
| 2841-04 | Fine Art Engraver-Etcher |

UNIT GROUP 2842 **MUSICIANS, SINGERS AND COMPOSERS**

Musicians, Singers and Composers write, arrange, compose and adapt musical works and conduct or participate in performances.

Tasks include:

- a) composing songs, playing a musical instrument for training and performances, being a member of an orchestra and leading the orchestra;
- b) auditioning and selecting musicians and singers and selecting music for a performance;
- c) conceiving and writing musical compositions;
- d) adapting or arranging music for instrumental groups, instruments or occasions;
- e) conducting instrumental or vocal groups;
- f) playing one or more musical instruments as a soloist or as a member of an orchestra;
- g) singing as a soloist or member of a vocal group;
- h) performing related tasks; and
- i) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index; unit group 2842)*

| | |
|---------|---------------------------------------|
| 2842-01 | Musician, Grade B41 |
| 2842-02 | Musicologist |
| 2842-03 | Instrumentalist |
| 2842-04 | Adiguru - Ancient Malay Dance-Theatre |

UNIT GROUP 2843 DANCERS AND CHOREOGRAPHERS

Dancers and Choreographers conceive and create or perform dances.

Tasks include:

- conceiving and creating dances which often convey a story, theme or idea by a sequence of steps, movements and gestures;
- arranging and directing dance performances for stage or film productions;
- performing dances as a soloist, with a partner or as a member of a dancing group;
- performing related tasks; and
- enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index; unit group 2843)*

| | |
|---------|----------------------------|
| 2843-01 | Cultural Artist, Grade B32 |
| 2843-02 | Dancer |
| 2843-03 | Dancer, Night Club |
| 2843-04 | Choreographer |

UNIT GROUP 2844 FILM, STAGE AND RELATED DIRECTORS AND PRODUCERS

Film, Stage and Related Directors and Producers oversee, control and direct the technical and artistic aspects in film, television or radio productions or stage shows.

Tasks include:

- planning, implementing and preparing reports on performances in addition to managing performances including the preparation of the format and script of performances;
- developing arts and cultural programmes;
- planning, organising and carrying out cultural and theatrical activities;
- reviewing the script and directing actors to play their parts convincingly and directing all aspects of dramatic production on stage, television, radio or in film including casting of actors and making decisions on costume, set design, sound effects or lighting;
- negotiating royalties;
- creating, planning, writing scripts for recording, videotaping and editing programmes;
- supervising the positioning of props, lighting and sound equipment;
- viewing processed films or video tapes for the purpose of evaluation, selecting scenes and determining the scenes which need to be re-shot;
- performing related tasks; and
- enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index; unit group 2844)*

| | |
|---------|-----------------------------|
| 2844-01 | Cultural Officer, Grade B41 |
| 2844-02 | Producer, Grade B41 |
| 2844-03 | Animation Producer |
| 2844-04 | Multimedia Producer |

UNIT GROUP 2845 ACTORS

Actors portray roles in films, television or radio productions and stage shows.

Tasks include:

- a) studying scripts to determine artistic interpretation;
- b) learning lines and cues and playing parts in dramatic productions on stage, television, radio or in films;
- c) narrating stories or reading literary works aloud to educate or entertain listeners;
- d) viewing processed films or video tapes to evaluate and select scenes and determine the scenes which need to be re-shot;
- e) performing related tasks; and
- f) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: ([refer to index](#); [unit group 2845](#))

| | |
|---------|---------------------------------|
| 2845-01 | Actor |
| 2845-02 | Impersonator |
| 2845-03 | Story Teller |
| 2845-04 | Story Teller, Radio/ Television |

UNIT GROUP 2846 ANNOUNCERS ON RADIO, TELEVISION AND OTHER MEDIA

Announcers on Radio, Television and Other Media read news bulletins, conduct interviews and make other announcements on radio, television or in theatres and other establishments.

Tasks include:

- a) reading news bulletins, making other announcements and providing commentary for sports and other events on radio or television;
- b) introducing performing artists or persons being interviewed, and making related announcements on radio and television or in theatres, clubs and other establishments;
- c) interviewing the public, especially on radio and television;
- d) presenting comments on sports, politics, social or economic matters;
- e) researching, investigating and compiling stories and programmes;
- f) monitoring incoming information and liaising with network editors, journalists, media producers and directors, graphic designers, other programme departments and news sources;
- g) selecting and organising materials for broadcast;
- h) performing related tasks; and
- i) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: ([refer to index](#); [unit group 2846](#))

| | |
|---------|----------------------|
| 2846-01 | Disk Jockey (DJ) |
| 2846-02 | Radio Announcer |
| 2846-03 | Television Announcer |
| 2846-04 | Master of Ceremonies |

UNIT GROUP 2847 CLOWNS, MAGICIANS, ACROBATS AND RELATED PROFESSIONALS

Clowns, Magicians, Acrobats and Related Professionals entertain audiences in circuses and other places by performing a variety of acts.

Tasks include:

- a) performing amusing antics and telling funny stories to amuse audiences;
- b) performing feats requiring bodily contortions;
- c) performing tricks of illusion and sleight of hand, and hypnotism;
- d) performing difficult and spectacular acrobatics, gymnastic or juggling feats;
- e) training and performing with animals;
- f) performing related tasks; and
- g) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: ([refer to index; unit group 2847](#))

| | |
|---------|---------------|
| 2847-01 | Acrobat |
| 2847-02 | Contortionist |
| 2847-03 | Magician |
| 2847-04 | Clown |

UNIT GROUP 2848 ANIMAL KEEPERS AND TRAINERS

Animal Keepers and Trainers care for, train and perform with animals in zoos, bird and aquatic parks.

Tasks include:

- a) caring for animals in zoos, bird and aquatic parks;
- b) training and performing with animals;
- c) performing related tasks; and
- d) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: ([refer to index; unit group 2848](#))

| | |
|---------|--|
| 2848-01 | Trainer in Zoo, Bird and Aquatic Parks |
| 2848-02 | Trainer in Crocodile Farm |
| 2848-03 | Dog Trainer |
| 2848-04 | Horse Trainer |

UNIT GROUP 2849 CREATIVE AND PERFORMING ARTISTS NOT ELSEWHERE CLASSIFIED

This unit group covers Creative and Performing Artists Not Elsewhere Classified in Minor Group 284: Creative and Performing Artists.

Task Include:

- a) taking photographs, editing, preparing photo captions and sending photographs of formal and informal activities for reference and retention;
- b) making coverage for films / videos with or without sound, filming a special programme, providing equipment, maintaining hygiene of studio and darkroom and equipment safety inside and outside the department;
- c) carrying out related tasks; and
- d) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: ([refer to index; unit group 2849](#))

| | |
|---------|-------------------------|
| 2849-01 | Photographer, Grade B37 |
|---------|-------------------------|

SUB-MAJOR 29 REGULATORY GOVERNMENT PROFESSIONALS

Regulatory Government Professionals administer, enforce or apply relevant government regulations relating to national borders, taxes, social benefits, and issue or examine applications for licences or authorisations in connection with travel, import and export of goods, establishment of businesses, erection of buildings and other activities subject to government regulations.

MINOR GROUP 291 REGULATORY BODY PROFESSIONALS

Regulatory Government Professionals administer, enforce or apply relevant government regulations relating to national borders, taxes, social benefits, and issue or examine applications for licences or authorisations in connection with travel, import and export of goods, establishment of businesses, erection of buildings and other activities subject to government regulations.

UNIT GROUP 2911 PROFESSIONAL CUSTOMS AND BORDER INSPECTORS

Professional Customs and Border Inspectors check persons and vehicles crossing national borders to administer and enforce relevant government regulations and laws.

Tasks include:

- a) classifying goods in accordance with the tariffs, making price assessment for the collection of customs duty / sales tax, processing and approving the importation / exportation of dutiable goods subject to prohibitions of imports / exports at the entrance / exit points, tax-free zones and licensed warehouses;
- b) processing licence applications for excise warehouses, licensed warehouses and licensed manufacturing warehouses;
- c) auditing accounts of companies licensed under the Sales Tax Act and Service Tax Act for collection of sales / service tax;
- d) processing applications for exemption from sales tax, checking the stock and the use of dutiable goods of companies with customs duty exemption and processing tax remission applications;
- e) supervising passenger screening duties and conducting investigation into companies / individuals committing fraud / smuggling and performing other enforcement duties;
- f) detaining persons found to be in violation of customs or immigration laws and arranging for legal action such as deportation;
- g) checking, approving and issuing travel passes and documents;
- h) searching for and seizing contraband or undeclared merchandise including through vehicles, aircraft or boats;
- i) inspecting cargo, baggage and personal articles entering or leaving the country; and
- j) investigating applications for duty refunds and petitions for remission or mitigation of penalties when warranted.

Examples of the occupations classified here: ([refer to index; unit group 2911](#))

| | |
|---------|---|
| 2911-01 | Superintendent of Customs, Grade W41 |
| 2911-02 | Assistant Superintendent of Immigration / Superintendent of Immigration, Grade KP27 |
| 2911-03 | Assistant Superintendent of Customs, Grade W27 |

UNIT GROUP 2912 PROFESSIONAL TAXATION AND EXCISE OFFICIALS

Professional Taxation and Excise Officials examine tax returns, bills of sale and other documents to determine the type and amount of taxes, duties and other types of fees to be paid by individuals or businesses, and refer exceptional or important cases to accountants, senior government officials or managers.

Tasks include:

- a) providing advice on taxation matters to corporations, partnerships, organisations and individuals;
- b) giving expert advice on laws and regulations pertaining to determination and payment of taxes, duties and other government charges to organisations, industries and individuals;
- c) examining tax returns, bills of sale and other relevant documents to determine the type and amount of taxes, and employment as well as other types of fees to be paid;
- d) investigating tax filing statements and accounting records, organisational systems and internal controls to ensure compliance with tax laws and regulations;
- e) performing administrative tasks related to the discovery of documents and maintaining records and reports on the action taken in cases;
- f) reviewing in detail business accounts to ensure that the tax law has been applied correctly;
- g) applying tax laws on establishments, partnerships, organisations and individuals;
- h) performing related tasks; and
- i) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: ([refer to index; unit group 2912](#))

| | |
|---------|---|
| 2912-01 | Executive Officer (Appraisal), Grade 41 |
| 2912-02 | Assistant Executive Officer (Appraisal), Grade 31 |
| 2912-03 | Appraisal Executive Officer |
| 2912-04 | Valuation Officer |

UNIT GROUP 2913 PROFESSIONAL GOVERNMENT SOCIAL BENEFIT OFFICIALS

Professional Government Social Benefit Officials examine applications for government, financial or service programmes to determine eligibility and amount of benefit or appropriate services, referring exceptional or important cases to senior government officials or managers

Tasks include:

- a) interpreting and explaining related procedures, regulations and laws to social organisations;
- b) providing advice to individuals and organisations on government legislation, rules and regulations relating to government benefit programmes, as well as the determination and distribution of payments;
- c) examining applications and other relevant documents to determine the type and amount of benefits that individuals are eligible to receive;
- d) assessing documentation and interviewing recipients to ensure eligibility for benefits or services;
- e) performing related administrative tasks to maintain customer records and preparing reports on eligibility, referral decisions, termination of benefits and abuse or fraud;
- f) enforcing procedures, regulations and laws;
- g) performing related tasks; and
- h) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index; unit group 2913)*

| | |
|---------|--------------------------------|
| 2913-01 | Social Benefits Officer |
| 2913-02 | Social Security Claims Officer |
| 2913-03 | Pensions Officer |
| 2913-04 | SOCSO Executive |

UNIT GROUP 2914 PROFESSIONAL GOVERNMENT LICENSING OFFICIALS

Professional Government Licensing Officials examine applications for licences to export or import goods, set up businesses, build houses or other structures, or to determine eligibility of applications for issuing licences or passports, and identify specific conditions or restrictions to be attached to licences issued, refer exceptional or important cases to senior government officials or managers.

Tasks include:

- a) interpreting and explaining related procedures, regulations and laws;
- b) advising individuals about the law and government regulations on the types of licences required and the conditions attached to the licences, and on the rights and obligations of the public;
- c) examining applications and related documents and determining whether the licences should be granted and the conditions to be attached;
- d) examining applications and approving the issue of passports;
- e) carrying out administrative tasks related to the application process, document activities, evaluation and determination, and for preparing correspondence to inform applicants of the licensing decision;
- f) administering and carrying out the necessary tests on licence applicants;
- g) enforcing procedures, regulations and laws;
- h) performing related tasks; and
- i) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index; unit group 2914)*

| | |
|---------|--|
| 2914-01 | Enforcement Officer, Grade N41 |
| 2914-02 | Assistant Enforcement Officer, Grade N27 |
| 2914-05 | Licensing Officer |
| 2914-06 | Passport Issuing Officer |

UNIT GROUP 2915 PROFESSIONAL POLICE INSPECTORS AND DETECTIVES

Professional Police Inspectors and Detectives investigate facts, conduct, supervise and coordinate investigations to prevent crimes or solve criminal cases.

Tasks include:

- a) performing administrative duties, preventing crime, investigating, apprehending and charging suspects, controlling traffic, gathering intelligence, preparing equipment and communications, preserving public security on land, sea and in the air;
- b) analysing completed police reports to determine the necessary additional information and investigative work;
- c) obtaining facts or statements from complaints, witnesses and accused persons and recording interviews using a recording device;
- d) obtaining summary of an accident from the officer in charge at the scene, taking care to avoid disturbing evidence;

- e) examining record and files to find the personal data of suspects;
- f) preparing and serving search and arrest warrants;
- g) summoning medical assistance for injured individuals and alerting medical personnel to take statements from them;
- h) providing information to lab personnel concerning the source of an item of evidence and the test to be performed;
- i) performing related tasks; and
- j) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: [\(refer to index; unit group 2915\)](#)

| | |
|---------|---|
| 2915-01 | Senior Police Officer (Inspector), YA13 |
|---------|---|

UNIT GROUP 2916 PROFESSIONAL CIVIL DEFENCE OFFICIALS

Professional Civil Defence Officials supervise and investigate civil cases by enforcing procedures and regulations.

Tasks include:

- a) managing administrative and management matters at the state level, including managing civil defence movement training;
- b) interpreting and explaining related procedures, regulations and laws;
- c) investigating fraud;
- d) enforcing procedures, regulations and laws;
- e) performing related tasks; and
- f) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: [\(refer to index; unit group 2916\)](#)

| | |
|---------|---|
| 2916-01 | Civil Defence Officer, Grade KP41 |
| 2916-02 | Assistant Civil Defence Officer, Grade KP27 |
| 2916-03 | Civil Defence Officer |

UNIT GROUP 2919 REGULATORY GOVERNMENT PROFESSIONALS NOT ELSEWHERE CLASSIFIED

This unit group covers Regulatory Government Professionals Not Elsewhere Classified in Minor Group 291: Regulatory Government Professionals.

Tasks include:

- a) managing duties related to security covering conducting training, giving lectures, conducting safety inspections, investigating security breaches and leaks of official secrets, determining the security personnel service system and system security personal security control system;
- b) monitoring and ensuring fire fighting and rescue operations comply with the set standards and procedures;
- c) implementing the policy in prison security management, management of detention and execution of sentences, rehabilitation programmes and treatment, and management of the treatment of prisoners;
- d) helping to ensure the implementation of policies for rehabilitation programmes in institutions and the community, and prevention programmes and law enforcement related to drugs;
- e) formulating the labour policy, administration of law and labour standards, industrial harmony and union affairs, monitoring and enforcing relevant acts, giving advice

- and labour education, and promoting the increased welfare and interest of the industrial community;
- f) managing and executing projects, programmes and activities of the construction and development of Malay as the national and official language;
 - g) enforcing procedures, regulations and laws;
 - h) performing related tasks; and
 - i) enhancing knowledge and coordinating work performance.

Examples of the occupations classified here: *(refer to index; unit group 2919)*

| | |
|---------|--|
| 2919-01 | Security Officer, Grade KP41 |
| 2919-02 | Executive Officer (Security), Grade 41 |
| 2919-03 | Fire Superintendent, Grade KB41 |
| 2919-04 | Superintendent of Prison, Grade KX41 |



3

TECHNICIANS AND ASSOCIATE PROFESSIONALS



31 SCIENCE AND ENGINEERING ASSOCIATE PROFESSIONALS**311 PHYSICAL AND ENGINEERING SCIENCE TECHNICIANS**

- 3111 Chemical and Physical Science Technicians
- 3112 Civil Engineering Technicians
- 3113 Electrical Engineering Technicians
- 3114 Electronics Engineering Technicians
- 3115 Mechanical Engineering Technicians
- 3116 Chemical Engineering Technicians
- 3117 Mining and Metallurgical Technicians
- 3118 Draughtspersons
- 3119 Physical and Engineering Science Technicians Not Elsewhere Classified

312 MINING, MANUFACTURING AND CONSTRUCTION SUPERVISORS

- 3121 Mining Supervisors
- 3122 Manufacturing Supervisors
- 3123 Construction Supervisors
- 3129 Other Supervisors Not Elsewhere Classified

313 PROCESS CONTROL TECHNICIANS

- 3131 Power Production Plant Operators
- 3132 Incinerator and Water Treatment Plant Operators
- 3133 Chemical Processing Plant Controllers
- 3134 Petroleum and Natural Gas Refining Plant Operators
- 3135 Metal Production Process Controllers
- 3139 Process Control Technicians Not Elsewhere Classified

314 LIFE SCIENCE TECHNICIANS AND RELATED ASSOCIATE PROFESSIONALS

- 3141 Life Science Technicians (Excluding Medical)
- 3142 Agricultural and Poultry Technicians
- 3143 Forestry Technicians
- 3144 Fishery Technicians

315 SHIP, AIRCRAFT AND TRAIN TECHNICIANS

- 3151 Aircraft Technicians
- 3152 Ship/ Marine Technicians
- 3153 Train/ Locomotive Technicians
- 3154 Motor Vehicle Technicians
- 3159 Transport Technicians Not Elsewhere Classified

316 NUCLEAR SCIENCE ASSOCIATE PROFESSIONALS

- 3161 Nuclear Research and Development Associate Professionals



32 HEALTH ASSOCIATE PROFESSIONALS

321 MEDICAL AND PHARMACEUTICAL TECHNICIANS

- 3211 Medical Imaging and Therapeutic Equipment Technicians
- 3212 Medical and Pathology Laboratory Technicians
- 3213 Pharmaceutical Technicians and Assistants
- 3214 Medical and Dental Prosthetic Technicians
- 3215 Orthotic and Prosthetic Technicians

322 NURSING AND MIDWIFERY ASSOCIATE PROFESSIONALS

- 3221 Nursing Associate Professionals (Except Dental)
- 3222 Midwifery Associate Professionals

323 TRADITIONAL AND COMPLEMENTARY MEDICINE ASSOCIATE PROFESSIONALS

- 3231 Traditional and Complementary Medicine Associate Professionals

324 VETERINARY TECHNICIANS AND ASSISTANTS

- 3241 Veterinary Technicians and Assistants

325 OTHER HEALTH ASSOCIATE PROFESSIONALS

- 3251 Dental Assistants and Therapists
- 3252 Medical Record and Health Information Technicians
- 3253 Community Health Workers
- 3254 Dispensing Opticians
- 3255 Physiotherapy Technicians and Assistants
- 3256 Medical Assistants
- 3257 Environmental and Occupational Health Inspectors and Associates
- 3258 Ambulance Assistant
- 3259 Health Associate Professionals Not Elsewhere Classified

33 BUSINESS AND ADMINISTRATION ASSOCIATE PROFESSIONALS

331 FINANCIAL AND MATHEMATICAL ASSOCIATE PROFESSIONALS

- 3311 Securities and Finance Dealers and Brokers
- 3312 Credit and Loan Officers
- 3313 Accounting Associate Professionals
- 3314 Statistical, Mathematical and Actuarial Associate Professionals
- 3315 Valuers and Loss Assessors

332 SALES AND PURCHASING AGENTS AND BROKERS

- 3321 Insurance Agent
- 3322 Commercial Sales Agent
- 3323 Buyers
- 3324 Trade Brokers

333 BUSINESS SERVICES AGENTS

- 3331 Clearing and Forwarding Agents
- 3332 Conference and Event Agents
- 3333 Employment Agents and Contractors
- 3334 Real Estate and Property Agents
- 3339 Business Services Agents Not Elsewhere Classified

334 ADMINISTRATIVE AND SPECIALIZED ASSOCIATE PROFESSIONALS

- 3341 Administrative Associate Professionals
- 3342 Legal Secretaries
- 3343 Administrative and Executive Secretaries
- 3344 Medical Secretaries

34 LEGAL ASSOCIATE PROFESSIONALS**341 LEGAL ASSOCIATE PROFESSIONALS**

- 3411 Legal and Related Associate Professionals

35 INFORMATION AND COMMUNICATIONS TECHNICIANS**351 INFORMATION AND COMMUNICATIONS TECHNOLOGY OPERATION AND USER SUPPORT TECHNICIANS**

- 3511 Information and Communications Technology Operation Technicians
- 3512 Information and Communications Technology User Support Technicians
- 3513 Computer Network and Systems Technicians
- 3514 Web Technicians

352 TELECOMMUNICATIONS AND BROADCASTING TECHNICIANS

- 3521 Broadcasting and Audio-Visual Technicians
- 3522 Telecommunications Engineering Technicians



36 SOCIAL, CULTURAL AND RELATED ASSOCIATE PROFESSIONALS

361 SOCIAL AND RELIGIOUS ASSOCIATE PROFESSIONALS

- 3611 Social Work Associate Professionals
- 3612 Religious Associate Professionals

362 SPORTS, SELF DEFENCE AND FITNESS ASSOCIATE PROFESSIONALS

- 3621 Athletes and Sports Players
- 3622 Sports Coaches, Instructors and Officials
- 3623 Fitness and Recreation Instructors and Programme Leaders

363 ARTISTIC AND CULTURAL ASSOCIATE PROFESSIONALS

- 3631 Photographers
- 3632 Interior Designers and Decorators
- 3633 Gallery, Museum and Library Associate Professionals
- 3634 Cultural Associate Professionals
- 3639 Artistic And Cultural Associate Professionals Not Elsewhere Classified

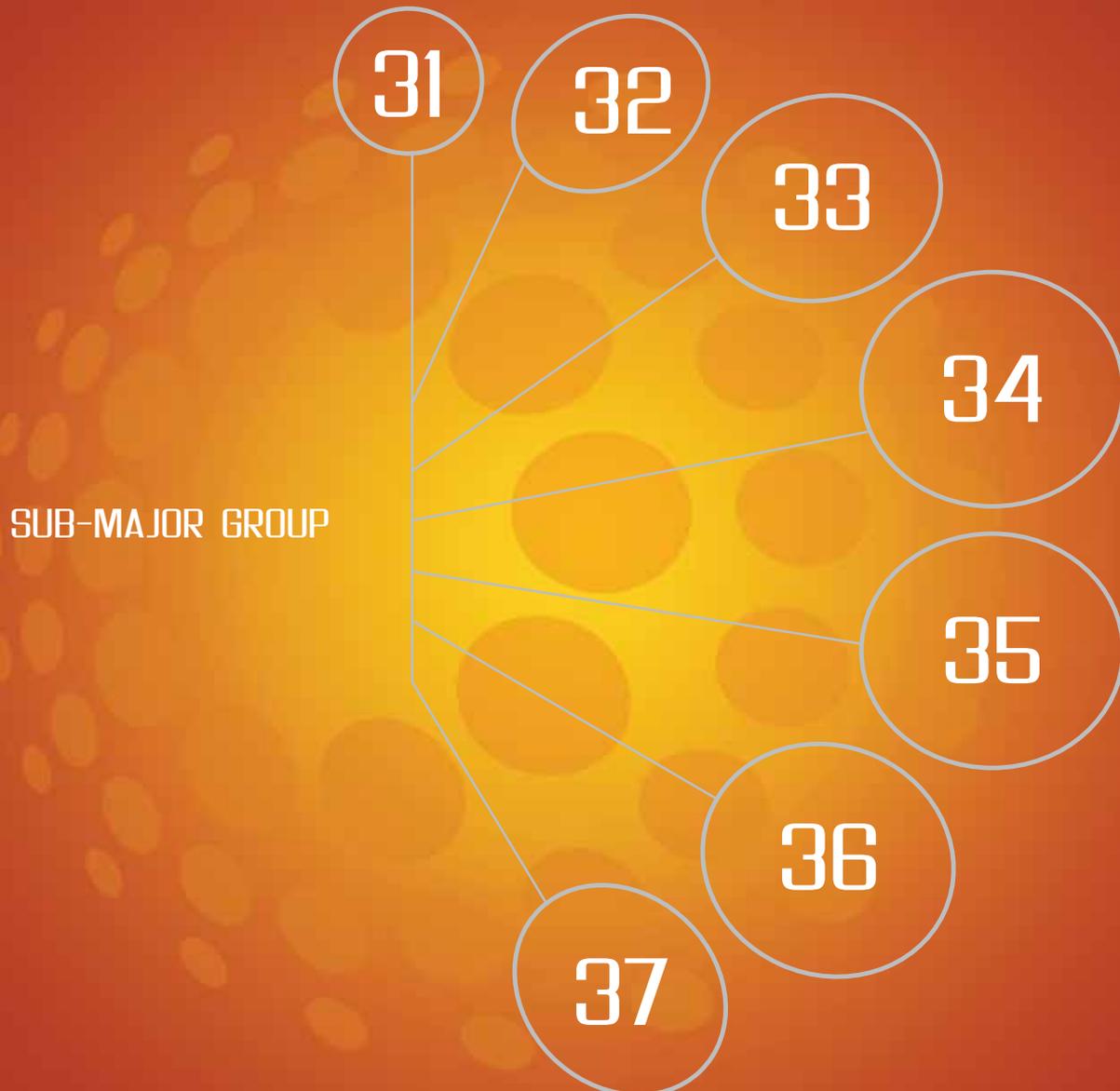
364 CULINARY ASSOCIATE PROFESSIONALS

- 3641 Chefs

37 REGULATORY GOVERNMENT ASSOCIATE PROFESSIONALS

371 REGULATORY GOVERNMENT ASSOCIATE PROFESSIONALS

- 3711 Customs and Border Inspector Associate Professionals
- 3712 Taxation and Excise Official Associate Professionals
- 3713 Government Social Benefit Official Associate Professionals
- 3714 Government Licensing Official Associate Professionals
- 3715 Police Officers
- 3716 Civil Defence Associate Professionals
- 3719 Regulatory Government Associate Professionals Not Elsewhere Classified



- 31. SCIENCE AND ENGINEERING ASSOCIATE PROFESSIONALS
- 32. HEALTH ASSOCIATE PROFESSIONALS
- 33. BUSINESS AND ADMINISTRATION ASSOCIATE PROFESSIONALS
- 34. LEGAL ASSOCIATE PROFESSIONALS
- 35. INFORMATION AND COMMUNICATIONS TECHNICIANS
- 36. SOCIAL, CULTURAL AND RELATED ASSOCIATE PROFESSIONALS
- 37. REGULATORY GOVERNMENT ASSOCIATE PROFESSIONALS

Description

Perform technical and related tasks connected with research and the application of scientific or artistic concepts and operational methods, and government or business regulations

Skill Level

Most occupations in this major group require skills at the third level

SUB-MAJOR 31 SCIENCE AND ENGINEERING ASSOCIATE PROFESSIONALS

Science and Engineering Associate Professionals perform technical tasks connected with research and the application of concepts and operational methods in the field of physical science as well as computing and engineering, or they control and operate technical equipment to investigate the aspect of security in the manufacturing process or other processes and products.

MINOR GROUP 311 PHYSICAL AND ENGINEERING SCIENCE TECHNICIANS

Physical and Engineering Science Technicians perform technical tasks related to research and the practical application of concepts, principles and operational methods connected with physical sciences including such areas as engineering, technical drawing or economic efficiency of production processes.

UNIT GROUP 3111 CHEMICAL AND PHYSICAL SCIENCE TECHNICIANS

Chemical and Physical Science Technicians perform technical tasks to aid in research in chemistry, physics, geology, geophysics, meteorology and astronomy, and in the development of industrial, medical, military and other practical applications of research results.

Tasks include:

- a) ensuring that all weather measurement sensors are operational and that all data sent out is received properly, and providing basic information for public needs;
- b) conducting chemical or microbiological analysis of routine samples, assisting in maintenance of analysis tools, preparation of reagent stock and carrying out work as directed by superiors;
- c) gathering samples and preparing materials and equipment for experiments, tests and analyses;
- d) making observations, recording, coding weather conditions, sending weather reports and maintaining weather equipment;
- e) making observations, calculations/ measurements, recording and plotting information and assisting in preparation of technical reports and documents for publication;
- f) applying technical knowledge in order to identify and solve problems arising in the course of work;
- g) supervising or maintaining and repairing research equipment;
- h) assisting in intensifying departmental activities through services in mineral, geoscience and geoscience information so as to create mineral commodities and quality geoscience development for national development;
- i) performing tasks related to the weather application, recording and transmitting weather reports based on the standards of the International Civil Aviation Organisation (ICAO) and the World Meteorological Organisation (WMO);

- j) collecting and testing earth and water samples, and analysing data in collaboration with geologists or geophysicists;
- k) performing related tasks; and
- l) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: ([refer to index; unit group 3111](#))

| | |
|---------|---------------------------------|
| 3111-01 | Laboratory Assistant, Grade C17 |
| 3111-02 | Geological Assistant, Grade C17 |
| 3111-06 | Physics Technician |
| 3111-07 | Geophysics Technician |

UNIT GROUP 3112 CIVIL ENGINEERING TECHNICIANS

Civil Engineering Technicians perform technical tasks in civil engineering research, design, construction, operation, maintenance and repair of buildings and other structures such as water supply and wastewater treatment systems, bridges, roads, dams and airports.

Tasks include:

- a) monitoring and providing construction work at the construction site, giving the estimated expenditure for the maintenance of buildings and roads, including overseeing the maintenance work;
- b) performing or assisting in field and laboratory tests of soils and construction materials;
- c) providing technical assistance connected with the construction of buildings and other structures, and with surveys or the preparation of survey reports;
- d) ensuring compliance with design specifications, relevant legislation and regulations, and maintenance of prescribed standards of materials and work;
- e) applying technical knowledge related to building and civil engineering principles and practices in order to identify and solve problems arising;
- f) assisting with the preparation of estimates of quantities and costs of materials and labour required for projects according to the specifications given;
- g) organising maintenance and repairs;
- h) performing related tasks; and
- i) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: ([refer to index; unit group 3112](#))

| | |
|---------|----------------------------------|
| 3112-01 | Technician, Grade J17 |
| 3112-02 | Technician (Civil), Grade J17 |
| 3112-04 | Industrial Instrument Technician |
| 3112-05 | Civil Engineering Technician |

UNIT GROUP 3113 ELECTRICAL ENGINEERING TECHNICIANS

Electrical Engineering Technicians perform technical tasks to aid in electrical engineering research, and in the design, manufacture, assembly, construction, operation, maintenance and repair of electrical equipment, facilities and distribution systems.

Tasks include:

- a) assisting in research and development work concerning electrical systems, equipment and facilities and testing prototypes;
- b) assisting in design and layout of electrical installations and circuitry;

- c) preparing detailed estimates of quantities and costs of materials and labour required for manufacture and installation;
- d) assisting with technical supervision of the manufacture, installation, utilisation, maintenance and repair of electrical systems and equipment;
- e) applying technical knowledge of electrical engineering theory and practice to identify and solve problems arising in the course of work;
- f) performing related tasks; and
- g) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3113)*

| | |
|---------|--|
| 3113-01 | Technician (Electrical), J17 |
| 3113-02 | Electrical Engineering Technician |
| 3113-03 | Wire Cutting Technician |
| 3113-04 | High Voltage Electrical Engineering Technician |

UNIT GROUP 3114 ELECTRONICS ENGINEERING TECHNICIANS

Electronics Engineering Technicians perform technical tasks to aid in electronic research, and in the design, manufacture, assembly, construction, operation, maintenance and repair of electronic equipment.

Tasks include:

- a) providing technical assistance in research and development of electronic equipment, or testing prototypes;
- b) assisting in design and layout of electronic circuitry;
- c) assisting with preparation of detailed estimates of quantities and costs of materials and labour required for the manufacture and installation of electronic equipment;
- d) assisting with technical supervision of the manufacture, utilisation, maintenance and repair of electronic equipment systems to ensure satisfactory performance and compliance with specifications and regulations;
- e) applying technical knowledge of electronic and telecommunications engineering principles and practices;
- f) performing related tasks; and
- g) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3114)*

| | |
|---------|------------------------------------|
| 3114-01 | Technician (Electronics), J17 |
| 3114-02 | Electronics Engineering Technician |
| 3114-03 | CAD/CAM Technician |
| 3114-04 | Electronics Engineering Estimator |

UNIT GROUP 3115 MECHANICAL ENGINEERING TECHNICIANS

Mechanical Engineering Technicians perform technical tasks to aid in mechanical engineering research, and in the design, manufacture, assembly, construction, operation, maintenance and repair of machines, components and mechanical equipment.

Tasks include:

- a) providing technical assistance in research and development work concerning machine tools, vehicle engines, aircraft, heating, ventilating and refrigerating installations and other mechanically functioning plant and equipment;
- b) designing and preparing layouts of machine installations;

- c) assisting with preparation of detailed estimates of quantities and costs of materials and labour required for manufacture and installation;
- d) assisting with technical supervision of manufacture, utilisation, maintenance and repair of mechanical plants and engines;
- e) applying technical knowledge of machinery and mechanical engineering principles and practices in order to identify and solve problems arising in the course of work;
- f) ensuring that mechanical engineering design and final output are in accordance with the specifications, regulations and provisions of contracts;
- g) performing related tasks; and
- h) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: [\(refer to index; unit group 3115\)](#)

| | |
|---------|---|
| 3115-01 | Technician (Mechanical), Grade J17 |
| 3115-02 | Technician (Automotive), Grade J17 |
| 3115-03 | Aerospace (Mechanical) Engineering Technician |
| 3115-04 | Aeronautical Engineering Technician |

UNIT GROUP 3116 CHEMICAL ENGINEERING TECHNICIANS

Chemical Engineering Technicians perform technical tasks to aid in chemical engineering research, and in the design, manufacture, construction, operation, maintenance and repair of chemical plants.

Tasks include:

- a) assisting in research on and development of industrial chemical processes, plants and equipment, or testing prototypes;
- b) designing and preparing layouts of chemical plants according to the specifications given;
- c) preparing detailed estimates of quantities and costs of materials and labour required for manufacture and installation, according to the specifications given;
- d) monitoring the technical aspect in construction, installation, operation, maintenance and repair of chemical plants to ensure satisfactory performance and compliance with specifications and regulations;
- e) conducting chemical and physical laboratory tests to assist scientists and engineers in the qualitative and quantitative analysis of solids, liquids and gases;
- f) applying technical knowledge of chemical engineering principles and practices in order to identify and solve problems arising in the course of work;
- g) performing related tasks; and
- h) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: [\(refer to index; unit group 3116\)](#)

| | |
|---------|---|
| 3116-01 | Chemical Engineering Technician |
| 3116-02 | Chemical Process Engineering Technician |
| 3116-03 | Petroleum Engineering Technician |
| 3116-04 | Oil Technologist |

UNIT GROUP 3117 MINING AND METALLURGICAL TECHNICIANS

Mining and Metallurgical Technicians perform technical tasks to assist in research and experiments related to metallurgy in improving methods of extracting solid minerals, oil and gas, and in the design, construction, operation, maintenance and repair of mines and mine installations, of systems for transporting and storing oil and natural gas, and for extraction of metals from ores.

Tasks include:

- a) gathering monthly data and information for the mining and quarrying sector;
- b) providing technical assistance in research on and development of processes to determine the properties of metals and new alloys;
- c) assisting in geological and topographical surveys, and in the design of oil, natural gas and mineral ore extraction and transport systems, and processing and refinery plant for minerals and metals;
- d) assisting in preparation of estimates of quantities and costs of materials and labour required for mineral, oil and natural gas projects and transport, and for processing and refining minerals;
- e) assisting in technical supervision of the construction, installation, operation, maintenance and repair of plants, transport and installation, storage and processing of mineral ore, oil and natural gas to ensure satisfactory performance and compliance with specifications and regulations;
- f) applying knowledge of mining, extraction, transport and storage of oil and natural gas, and of metallurgical principles and practices in order to identify and solve problems arising in the course of work;
- g) collecting and assisting in the study on all the conditions contained in the licences issued to operators of mines, quarries and mineral businesses for the purpose of standardisation and conducting inspection visits to all mining, quarrying and mineral business activities across the country;
- h) performing related tasks; and
- i) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3117)*

| | |
|---------|---|
| 3117-01 | Mines Assistant, Grade C17 |
| 3117-02 | Metallurgical Technician |
| 3117-03 | Extractive Metallurgical Technician |
| 3117-04 | Petroleum and Natural Gas Extraction Technician |

UNIT GROUP 3118 DRAUGHTSPERSONS

Draughtspersons prepare technical drawings, maps and illustrations from sketches, measurements and other data, and copy drawings and paintings onto printing plates.

Tasks include:

- a) preparing and reviewing working drawings and specifications made by engineers and designers for the manufacture, installation and erection of equipment and machinery, or for construction, modification, maintenance and repair of buildings, dams, bridges, roads and other architectural and civil engineering projects;
- b) tracing and preparing drawings (plans) with complete specifications as per the specifications laid down;
- c) performing field work for the project site and field information collection, tracing for the preparation of landscape plans and landscape construction drawing, preparation of drawings and illustrations of landscape development projects and proposals;

- d) assisting in the work of landscape development project management, carrying out fieldwork for the management and maintenance of landscape as well as recording and documentation for implementation of landscape development;
- e) conducting site study (land use), socio-economic survey, preparing plan for policy, landscape, village study and providing information on land use;
- f) operating the digitising table or similar equipment to transfer the hard copy representation of working drawings, maps and other curves into digital form;
- g) capturing topographical data in analogue or digital form using stereo instruments to prepare and revise topographical, hydrographic, utility and other thematic maps;
- h) preparing and revising illustrations for reference, brochures and technical manuals dealing with the assembly, installation, operation, maintenance and repair of machinery and other equipment;
- i) copying drawings and paintings onto stone or metal plates for printing;
- j) performing related tasks; and
- k) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3118)*

| | |
|---------|---------------------------------|
| 3118-01 | Draughtsperson, Grade J17 |
| 3118-02 | Landscape Technician, Grade J17 |
| 3118-04 | Draughting Technician |
| 3118-05 | Draughtsperson |

UNIT GROUP 3119 PHYSICAL AND ENGINEERING SCIENCE TECHNICIANS NOT ELSEWHERE CLASSIFIED

This unit group covers Physical and Engineering Science Technicians Not Elsewhere Classified in Minor Group 311: Physical and Engineering Science Technicians.

Tasks include:

- a) collecting data and providing technical assistance on planning and production methods, efficient, safe and economic utilisation of personnel, materials and equipment, methods of work and sequence of operations and supervision of their implementation, time and motion aspects of work organisation and efficient layout of plant or establishment;
- b) identifying potential hazards and introducing safety procedures and devices;
- c) collecting data and providing technical assistance on the preparation and monitoring of cost estimates and bills of quantities for construction and architectural projects;
- d) assisting engineers in testing and design of robotic equipment;
- e) modifying and testing the equipment and devices used in the prevention, control and recovery of environmental pollution, site restoration and land reclamation;
- f) maintaining and operating all irrigation schemes under their control;
- g) assisting in the execution and processing of survey work and mapping, preparation of surveying infrastructure, determining, demarcating and surveying international and domestic borders as well as preparing and processing land surveying work and computerised mapping;
- h) conducting inspections to ensure constructions and use of vehicles comply with the Road Transport Act 1987 and the rules made thereunder;
- i) performing related tasks; and
- j) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3119)*

| | |
|---------|--|
| 3119-01 | Surveying Technician, Grade J17 |
| 3119-02 | Quantity Surveying Technician, Grade J17 |
| 3119-20 | Robotics Technician |
| 3119-21 | Forensic Science Technician |

MINOR GROUP 312 MINING, MANUFACTURING AND CONSTRUCTION SUPERVISORS

Mining, Manufacturing and Construction Supervisors co-ordinate, supervise, control and schedule the activities of workers in manufacturing, mining and construction operations.

UNIT GROUP 3121 MINING SUPERVISORS

Mining Supervisors oversee mining and quarrying operations and supervise and coordinate the activities of miners working in underground and surface mines and quarries.

Tasks include:

- a) supervising and coordinating the activities of workers who extract minerals and other natural deposits from the earth, operating underground conveyances or heavy equipment in surface mines and quarries;
- b) determining the methods to meet work schedules and recommending benchmarking to mining managers to improve productivity;
- c) making requisitions, issuing and recording materials necessary for operations;
- d) determining staffing and material needs for the mine or quarry;
- e) planning and estimating cost of production and submitting periodic progress reports;
- f) performing related tasks; and
- g) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3121)*

| | |
|---------|-------------------|
| 3121-01 | Mine Supervisor |
| 3121-02 | Quarry Supervisor |

UNIT GROUP 3122 MANUFACTURING SUPERVISORS

Manufacturing Supervisors coordinate and supervise the activities of process control technicians, machine operators, assemblers and other manufacturing labourers.

Tasks include:

- a) receiving, recording and dispatching products;
- b) organising and planning the daily work by taking into consideration plans, the economy, staff and the environment;
- c) making requisitions, issuing and recording materials necessary for operations;
- d) preparing monthly payroll or providing final figures for computing payroll and assisting in payment of advances and wages for workers;
- e) planning and estimating cost of production and submitting periodic progress reports;
- f) performing related tasks; and
- g) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3122)*

| | |
|---------|--------------------------|
| 3122-01 | Manufacturing Supervisor |
| 3122-02 | Production Supervisor |
| 3122-03 | Finishing Supervisor |
| 3122-04 | Packaging Supervisor |

UNIT GROUP 3123 CONSTRUCTION SUPERVISORS

Construction Supervisors coordinate, supervise and schedule the duties of workers engaged in the construction and repair of buildings and structures.

Tasks include:

- a) reading specifications to determine construction requirements and planning procedures;
- b) organising and coordinating the materials and human resources required to complete jobs;
- c) examining and inspecting work progress;
- d) examining equipment and construction sites to ensure that health and safety requirements are met;
- e) supervising construction sites and coordinating work with other construction projects;
- f) performing related tasks; and
- g) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3123)*

| | |
|---------|-------------------------|
| 3123-01 | Operation Supervisor |
| 3123-02 | Project Supervisor |
| 3123-03 | Construction Supervisor |
| 3123-04 | Site Supervisor |

UNIT GROUP 3129 OTHER SUPERVISORS NOT ELSEWHERE CLASSIFIED

This unit group covers Other Supervisors Not Elsewhere Classified in Minor Group 312: Mining, Manufacturing and Construction Supervisors.

Tasks include:

- a) receiving, recording and dispatching products;
- b) inspecting, maintaining and keeping such records as required by the management related to their area of responsibility and ensuring that all work is performed according to instructions;
- c) making requisitions, issuing and recording materials necessary for operations;
- d) planning and estimating cost of production and submitting periodic progress reports;
- e) performing related tasks; and
- f) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3129)*

| | |
|---------|-----------------------------------|
| 3129-01 | Land Scheme Supervisor, Grade G17 |
| 3129-02 | Environmental Supervisor |
| 3129-03 | Facilities Supervisor |
| 3129-04 | Supervisor |

MINOR GROUP 313 PROCESS CONTROL TECHNICIANS

Process Control Technicians operate and monitor switchboards, computerised control systems and multi-function process control machinery, and maintain processing units in electrical power generation and distribution, wastewater, sewage treatment and waste disposal plants, chemicals, petroleum and natural gas refinery in metal processing and other process operations.

UNIT GROUP 3131 POWER PRODUCTION PLANT OPERATORS

Power Production Plant Operators operate, monitor and maintain switchboards and related equipment in electrical control centres which control the production and distribution of electricity or other power in transmission networks. The equipment operated includes reactors, turbines, generators and other auxiliary equipment in electrical power generating stations.

Tasks include:

- a) operating and monitoring coal, oil or natural gas-fired steam power generating plant;
- b) operating and monitoring hydroelectric power generating stations;
- c) operating and controlling power generation systems and equipment including boilers, turbines, generators, condensers and reactors in hydro, heat, coal, oil, natural gas and nuclear power generating plants to generate and distribute electricity;
- d) controlling the switching operation and the water level and communicating with system operators to control and coordinate the delivery load, frequency and line voltage;
- e) taking readings from charts, meters and gauges at specified intervals, solving problems and implementing corrective action as necessary;
- f) carrying out the cleaning and maintenance of equipment such as generators, boilers, turbines, pumps and compressors to prevent malfunction or deterioration of equipment;
- g) performing related tasks; and
- h) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: ([refer to index; unit group 3131](#))

| | |
|---------|---------------------------------|
| 3131-01 | Electric Power Load Dispatcher |
| 3131-02 | Electrical Switchboard Operator |
| 3131-03 | Hydroelectric Station Operator |
| 3131-04 | Power Generating Plant Operator |

UNIT GROUP 3132 INCINERATOR AND WATER TREATMENT PLANT OPERATORS

Incinerator and Water Treatment Plant Operators monitor and operate computerised control systems and related equipment and monitor various types of plant such as incinerators, water treatment plants, sewage plants, air and gas compressors, pumping stations and refrigeration or heating and ventilation systems.

Tasks include:

- a) operating and monitoring incinerator machinery and equipment which burn garbage or other waste materials;
- b) operating and monitoring machinery and equipment which purify and clarify water for human consumption or use and later disposal into natural water systems;
- c) operating and monitoring machinery and equipment which regulate the treatment and disposal of sewage and wastes;

- d) operating and monitoring air and gas compressors;
- e) operating and monitoring pumping stations for transferring liquids, gases, semi-liquids and powdered substances from one location to another;
- f) operating and monitoring refrigeration systems for cool or cold storage, or industrial processes;
- g) operating and monitoring heating and ventilation systems;
- h) performing related tasks; and
- i) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3132)*

| | |
|---------|----------------------------|
| 3132-01 | Stationary Engine Operator |
| 3132-02 | Compressor Operator |
| 3132-03 | Gas Compressor Operator |
| 3132-04 | Incinerator Plant Operator |

UNIT GROUP 3133 CHEMICAL PROCESSING PLANT CONTROLLERS

Chemical Processing Plant Controllers operate and monitor chemical plants, adjust and maintain processing units and equipment which distil, filter, separate, heat or refine chemicals.

Tasks include:

- a) operating the electronic or computerised control panel from a central control room to monitor and optimise physical and chemical processes for several processing units;
- b) adjusting equipment, valves, pumps, control and process equipment;
- c) controlling the preparation, measuring and feeding of raw materials and processing agents such as catalysts and filtering media into plants;
- d) controlling processes and troubleshooting;
- e) verifying equipment for malfunctions, carrying out routine operating tests and arranging for maintenance;
- f) analysing product samples, performing tests, recording data and production logs;
- g) performing related tasks; and
- h) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3133)*

| | |
|---------|--|
| 3133-01 | Chemical Process Technician |
| 3133-02 | Chemical Plant Supervisor |
| 3133-03 | Chemical-Heat-Treating Plant Operator |
| 3133-04 | Chemical-Filtering and Separating Equipment Operator |

UNIT GROUP 3134 PETROLEUM AND NATURAL GAS REFINING PLANT OPERATORS

Petroleum and Natural Gas Refining Plant Operators operate and monitor plants which refine, distil and treat petroleum, petroleum-based products and by-products or natural gas.

Tasks include:

- a) operating the electronic or computerised control panel from a central control room to monitor and optimise physical and chemical processes for several processing units;
- b) operating and monitoring equipment to obtain oxygen and nitrogen from air for industrial and therapeutic use;

- c) operating and monitoring plants in which pressure distillate and non-condensable gases are treated;
- d) operating and monitoring pumps which circulate petroleum products or water and chemical solutions through the refinery;
- e) operating and monitoring control panels in the petroleum refinery;
- f) operating and monitoring the distillation apparatus which distils or refines petroleum products;
- g) operating and monitoring machines which blend petrol with chemicals and other additives;
- h) operating and monitoring machines which refine or otherwise treat natural gas;
- i) performing related tasks; and
- j) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3134)*

| | |
|---------|--|
| 3134-01 | Pumpman (Petroleum Refining) |
| 3134-02 | Stillman (Petroleum Refining) |
| 3134-03 | Controlman (Petroleum Refining) |
| 3134-04 | Desulphuriser Operator, Petroleum Refining |

UNIT GROUP 3135 METAL PRODUCTION PROCESS CONTROLLERS

Metal Production Process Controllers operate and monitor multi-function process control machinery and equipment to melt or reheat metal, or machines to cast metal.

Tasks include:

- a) coordinating and controlling metal processing production operation through control panels, computer terminals or other control systems;
- b) operating and monitoring furnaces to melt ferrous and non-ferrous metals for casting;
- c) operating and monitoring furnaces to reheat stock metal forms prior to forging, power-pressing, rolling and further processing;
- d) operating and monitoring rolling mills to mould hot or cold steel into shapes for further processing, or into final shapes;
- e) operating and monitoring rolling mills to mould hot or cold non-ferrous metal into specified shapes such as plates, sheets or foils;
- f) pouring molten metal into moulds and operating and monitoring casting machines;
- g) operating rolling mills to form hot or cold non-ferrous metal into plates, sheets, foils, wires or rods of specified dimensions;
- h) manipulating controls of rolling mills;
- i) performing related tasks; and
- j) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3135)*

| | |
|---------|-----------------------------------|
| 3135-01 | Rolling Mill Metal Manipulator |
| 3135-02 | Guide Setter, Metal |
| 3135-03 | Metal Processing Control Operator |
| 3135-04 | Blast Furnace Operator |

UNIT GROUP 3139 PROCESS CONTROL TECHNICIANS NOT ELSEWHERE CLASSIFIED

This unit group covers Process Control Technicians Not Elsewhere Classified in Minor Group 313: Process Control Technicians.

Tasks include:

- a) inspecting, maintaining and keeping such records as required by the management, relevant to their area of responsibility and ensuring that all work is performed according to instructions;
- b) making requisitions, issuing and recording materials necessary for operations;
- c) planning and estimating cost of production and submitting periodic progress reports;
- d) performing related tasks; and
- e) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3139)*

| | |
|---------|----------------------------|
| 3139-01 | Food Processing Technician |
| 3139-02 | Pumpman |
| 3139-03 | Stillman |
| 3139-04 | Controlman |

MINOR GROUP 314 LIFE SCIENCE TECHNICIANS AND RELATED ASSOCIATE PROFESSIONALS

Life Science Technicians and Related Associate Professionals perform a variety of technical tasks to support life science professionals with their research, development, management, conservation and protection work, in areas such as biology, botany, zoology, biotechnology and biochemistry, and in agriculture, fisheries and forestry.

UNIT GROUP 3141 LIFE SCIENCE TECHNICIANS (EXCLUDING MEDICAL)

Life Science Technicians (Excluding Medical) provide technical support to life science professionals undertaking research, analysis and testing of living organisms, and development and application of products and processes resulting from research in areas such as agriculture, natural resource management, environmental protection, plant and animal biology, microbiology, and cell and molecular biology.

Tasks include:

- a) assisting in designing, setting up and conducting experiments;
- b) setting up, calibrating, operating and maintaining laboratory instruments and equipment;
- c) collecting and preparing specimens and samples, chemical solutions and slides and growing cultures for use in experiments;
- d) performing routine field and laboratory tests;
- e) monitoring experiments to ensure adherence to correct laboratory quality control procedures and health and safety guidelines;
- f) making observations of tests, and analysing, calculating, recording and reporting test results using appropriate scientific methods;
- g) preserving, classifying and cataloguing specimens and samples;
- h) keeping detailed logs of work performed;
- i) participating in the research, development and manufacture of products and processes;
- j) ordering and stocking laboratory supplies;
- k) maintaining relevant databases;

- l) performing related tasks; and
- m) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3141)*

| | |
|---------|---------------------------|
| 3141-01 | Biological Technician |
| 3141-02 | Entomological Technician |
| 3141-03 | Tissue Culture Technician |
| 3141-04 | Botanical Technician |

UNIT GROUP 3142 AGRICULTURAL AND POULTRY TECHNICIANS

Agricultural and Poultry Technicians perform technical tasks related to research in agronomy, as well as with the development of agricultural applications of research results and provide technical and scientific support to agricultural scientists and farmers.

Tasks include:

- a) carrying out development work including planning, implementing, evaluating, tracking development programmes through group farming project implementation;
- b) collecting and preparing specimens such as soils, plant or animal cells, tissues or parts or organs of animals for experiments, tests and analyses;
- c) preparing and collecting specimens, materials and equipment for experiments, tests and analyses;
- d) organising maintenance and repair of farm machinery and farm equipment;
- e) overseeing product quality;
- f) assisting with and performing experiments, tests, analyses and recording observation results and other relevant information using laboratory instruments and equipment;
- g) analysing samples of seeds for quality, purity and germination rating;
- h) collecting data and estimating quantities and costs of materials and labour required for projects;
- i) applying knowledge of scientific principles and practices in order to identify and solve problems arising in the course of their work;
- j) performing related tasks; and
- k) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3142)*

| | |
|---------|-----------------------------------|
| 3142-01 | Agricultural Assistant, Grade G17 |
| 3142-02 | Wildlife Assistant, Grade G17 |
| 3142-04 | Agronomy Technician |
| 3142-05 | Crop Research Technician |

UNIT GROUP 3143 FORESTRY TECHNICIANS

Forestry Technicians perform technical tasks related to research in forestry and forest management, harvesting, resource conservation and environmental protection as well as the development of forestry applications for research results.

Tasks include:

- a) conducting forest inventories, surveys and field measurements following accepted scientific and operational procedures;
- b) assisting in and performing technical functions in forest management and harvest plans using photogrammetric and mapping techniques and computerised information systems;

- c) preparing and collecting specimens, materials and equipment for experiments, tests and analyses;
- d) assisting with and performing experiments, tests, analyses and recording observation results and other relevant information using laboratory instruments and equipment;
- e) analysing samples of seeds for quality, purity and germination rating;
- f) collecting data and estimating quantities and costs of materials and labour required for projects;
- g) regulating the work of forest development, operational, factory enforcement, recreational forest encroachment and work operations including revenue collection for timber forest products;
- h) reviewing and monitoring licences for forestry operation and wood-based industries;
- i) teaching trainees to operate and maintain heavy machinery in logging, techniques in road-building and timber hauling in the forest;
- j) applying knowledge of scientific principles and practices in order to identify and solve problems arising in the course of their work;
- k) performing related tasks; and
- l) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer index; unit group 3143)*

| | |
|---------|-------------------------------|
| 3143-01 | Forest Ranger, Grade G17 |
| 3143-02 | Logging Instructor, Grade G17 |
| 3143-03 | Arboriculture Technician |
| 3143-04 | Forestry Technician |

UNIT GROUP 3144 FISHERY TECHNICIANS

Fishery Technicians perform technical tasks related to research in fisheries, as well as with the development of fishery applications for research results.

Tasks include:

- a) preparing and collecting specimens, materials and equipment for experiments, tests and analyses;
- b) assisting with and performing experiments, tests, analyses and recording observation results and other relevant information using laboratory instruments and equipment;
- c) analysing samples of fish for quality;
- d) collecting data and estimating quantities and costs of materials and labour required for projects;
- e) organising maintenance and repair of research equipment;
- f) applying knowledge of scientific principles and practices in order to identify and solve problems arising in the course of their work;
- g) performing related tasks; and
- h) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3144)*

| | |
|---------|--------------------------------|
| 3144-01 | Fisheries Assistant, Grade G17 |
| 3144-02 | Hatchery Technician |
| 3144-03 | Hatchery Supervisor |
| 3144-04 | Fishery Technician |

MINOR GROUP 315 SHIP, AIRCRAFT AND TRAIN TECHNICIANS

Ship, Aircraft and Train Technicians supervise land, air and waterborne transport service operation.

UNIT GROUP 3151 AIRCRAFT TECHNICIANS

Aircraft Technicians repair, overhaul, examine, test and service aircraft engines and other aircraft mechanical equipment.

Tasks include:

- a) servicing, repairing and overhauling engines of aircraft such as jets, turbo and piston engines and aircraft other mechanical equipment;
- b) testing engines using testing equipment;
- c) examining engines for cracked cylinders, oil leaks and other defects;
- d) repairing, assembling and replacing engine parts;
- e) removing the engine from aircraft for overhaul and installing replacements;
- f) inspecting, servicing and repairing pneumatic and hydraulic systems;
- g) taking charge of the Aeronautical Fixed Telecommunication Network (AFTN) system and provision of high frequency radio service and assisting with the air traffic control system in the airspace;
- h) performing related tasks; and
- i) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: [\(refer to index; unit group 3151\)](#)

| | |
|---------|--|
| 3151-01 | Air Traffic Control Assistant, Grade A17 |
| 3151-02 | Air Traffic Safety Technician |
| 3151-03 | Aircraft Technician |
| 3151-04 | Aviation Maintenance Technician |

UNIT GROUP 3152 SHIP/ MARINE TECHNICIANS

Ship/ Marine Technicians repair or service marine engine in workshops or on board vessels.

Tasks include:

- a) assisting in the provision of information and documents to develop a training course programme in navigation (nautical); marine engineering in accordance with prescribed standards;
- b) assisting in seafarer documentation matters;
- c) assisting in the management of navigational aids;
- d) managing ship and boat registration documents;
- e) repairing and servicing steam, petrol, diesel and marine engines;
- f) examining engines to locate defects using various tools and instruments;
- g) partially or completely dismantling engines to remove or repair faulty worn out parts;
- h) starting engines and observing their performance by noting different meter readings for temperature, fuel level and oil pressure, and making the necessary adjustments for optimum performance;
- i) checking, adjusting and lubricating engines periodically to keep them in good working order;
- j) performing related tasks; and
- k) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3152)*

| | |
|---------|-------------------------------|
| 3152-01 | Marine Assistant, Grade A17 |
| 3152-02 | Berthing Master |
| 3152-03 | Yacht Skipper |
| 3152-04 | Cargo Ship Traffic Supervisor |

UNIT GROUP 3153 TRAIN/ LOCOMOTIVE TECHNICIANS

Train/ Locomotive Technicians service and repair train/ locomotive engines.

Tasks include:

- a) servicing or repairing train/ locomotive engines;
- b) examining engines to locate defects using various tools and instruments;
- c) partially or completely dismantling engines to replace or adjust faulty worn out parts;
- d) checking, adjusting and lubricating engines periodically to keep them in good working order;
- e) performing related tasks; and
- f) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3153)*

| | |
|---------|-------------------------------|
| 3153-01 | Train Technician |
| 3153-02 | Railway Supervisor |
| 3153-03 | Locomotive Supervisor |
| 3153-04 | Light Rail Transit Supervisor |

UNIT GROUP 3154 MOTOR VEHICLE TECHNICIANS

Motor Vehicle Technicians service and repair vehicle engines.

Tasks include:

- a) servicing or repairing motor vehicle engines;
- a) inspecting the engine to detect defects using various tools and instruments;
- b) opening part of or the entire engine to replace or fix worn and damaged parts;
- c) inspecting, adjusting and lubricating the engine periodically to keep it in good condition;
- d) performing related tasks; and
- e) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3154)*

| | |
|---------|---|
| 3154-01 | Motor Vehicle Technician |
| 3154-02 | Motor Vehicle Engine and Fuel System Technician |
| 3154-03 | Motor Vehicle Mechatronics Technician |
| 3154-04 | Automotive Brake System Technician |

UNIT GROUP 3159 TRANSPORT TECHNICIANS NOT ELSEWHERE CLASSIFIED

This unit group covers Transport Technicians Not Elsewhere Classified in Minor Group 315: Ship, Aircraft and Train Technicians.

Tasks include:

- a) supervising and coordinating service activities of the traffic department;
- b) directing and supervising activities of bus conductors and drivers within a limited geographical area;
- c) performing related tasks; and
- d) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3159)*

| | |
|---------|---------------------------|
| 3159-01 | Road Transport Supervisor |
|---------|---------------------------|

MINOR GROUP 316 NUCLEAR SCIENCE ASSOCIATE PROFESSIONALS

Nuclear Science Associate Professionals assist scientists in both laboratory and production activities by performing technical tasks involving nuclear physics, primarily in operation, maintenance, production and quality control support activities.

UNIT GROUP 3161 NUCLEAR RESEARCH AND DEVELOPMENT ASSOCIATE PROFESSIONALS

Nuclear Research and Development Associate Professionals collect and test samples to monitor results of nuclear experiments and contamination of humans, facilities and environment.

Tasks include:

- a) assisting scientists to develop new concepts, technologies and strategies to improve nuclear technology;
- b) operating equipment used for the release, control and utilisation of nuclear energy to assist scientists in laboratory;
- c) designing, coordinating and controlling technical aspects of projects;
- d) analysing test results;
- e) ensuring the preparation of the necessary materials and chemical solutions;
- f) maintaining the laboratory in a clean and tidy condition;
- g) performing related tasks; and
- h) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3161)*

| | |
|---------|--------------------|
| 3161-01 | Nuclear Technician |
|---------|--------------------|

SUB-MAJOR 32 HEALTH ASSOCIATE PROFESSIONALS

Health Associate Professionals perform technical tasks related to research and the practical application of concepts, principles and operational methods in the fields of medicine, veterinary, dentistry, pharmacy, sanitation, nursing, midwifery, traditional medicine, faith healing and related disciplines.

MINOR GROUP 321 MEDICAL AND PHARMACEUTICAL TECHNICIANS

Medical and Pharmaceutical Technicians perform technical tasks to assist in the diagnosis and treatment of diseases, transmission of disease, injury and disability.

UNIT GROUP 3211 MEDICAL IMAGING AND THERAPEUTIC EQUIPMENT TECHNICIANS

Medical Imaging and Therapeutic Equipment Technicians test and operate radiography, ultrasound and other medical imaging equipment to produce images of the body for the purpose of diagnosis and treatment of injuries, diseases and other disabilities. They may perform radiation treatment on patients under the supervision of a radiologist or other medical professional.

Tasks include:

- a) operating radiographic equipment including x-ray machine, performing radiological procedure using general x-ray equipment as well as MRI and CT scan machines whether in the ward, operation theatre and the casualty/ accident division using the mobile x-ray equipment;
- b) explaining procedures, observing and positioning patients, and using protective equipment to ensure patient safety and comfort during examination, scanning or treatment;
- c) tracking and mapping radiopharmaceuticals or radiation in the patient's body, using radioisotopes, camera and other equipment to diagnose and treat diseases;
- d) setting in position required apparatus and equipment;
- e) maintaining the laboratory in a clean and tidy condition;
- f) performing related tasks; and
- g) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3211)*

| | |
|---------|---------------------------------|
| 3211-01 | X-ray Technician, Grade U29 |
| 3211-02 | X-ray Technician |
| 3211-03 | Radiology Technician |
| 3211-04 | Diagnostic Medical Radiographer |

UNIT GROUP 3212 MEDICAL AND PATHOLOGY LABORATORY TECHNICIANS

Medical and Pathology Laboratory Technicians perform clinical tests on body fluid and tissue specimens to obtain information on the health of the patient or the cause of death.

Tasks include:

- a) conducting chemical analysis of body fluids including blood, urine and spinal fluid to determine presence of normal and abnormal components;
- b) operating, calibrating and maintaining equipment used in quantitative and qualitative analyses, such as the spectrophotometer, calorimeter and flame photometer;
- c) setting up, cleaning and maintaining laboratory equipment;
- d) analysing laboratory output to check the accuracy of the results;

- e) providing and collecting specimens of body fluids and tissues of patients and evaluating the results to determine the type, stage of development and sources of infection;
- f) assisting with and performing experiments, tests, analyses and recording observation results and other relevant information using laboratory instruments and equipment;
- g) providing guidance to the patient on the use, proper installation of orthotic devices, ways of walking or movement as required, means of maintaining the device so that is not harmful and in good condition;
- h) performing related tasks; and
- i) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3212)*

| | |
|---------|-------------------------------|
| 3212-01 | Medical Technician, Grade U19 |
| 3212-02 | Anatomy Technician |
| 3212-03 | Blood Bank Technician |
| 3212-04 | Biophysics Technician |

UNIT GROUP 3213 PHARMACEUTICAL TECHNICIANS AND ASSISTANTS

Pharmaceutical Technicians and Assistants dispense and prepare medicine under the guidance of pharmacists or other health professionals.

Tasks include:

- a) preparing medicine and pharmaceutical compounds under the guidance of pharmacists;
- b) dispensing medicines and drugs and giving written and oral instructions on their use, as prescribed by medical doctors;
- c) cleaning and preparing equipment and containers used to prepare and dispense medicine and pharmaceutical compounds;
- d) conducting routine laboratory tests to determine characteristics of pharmaceutical products;
- e) performing related tasks; and
- f) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3213)*

| | |
|---------|-------------------------------------|
| 3213-01 | Pharmaceutical Assistant |
| 3213-02 | Pharmaceutical Laboratory Assistant |
| 3213-03 | Pharmaceutical Technician |
| 3213-04 | Pharmacy Aide |

UNIT GROUP 3214 MEDICAL AND DENTAL PROSTHETIC TECHNICIANS

Medical and Dental Prosthetic Technicians design, adjust, service and repair medical and dental devices and equipment according to prescription or instruction from health professionals. They make full or partial dentures, inlays, bridges and crowns of metal vulcanite or other composition plates from wax or plaster impressions.

Tasks include:

- a) discussing with medical and dental practitioners to formulate specifications and prescriptions of devices and equipment;
- b) making special impressions as instructed by the dental surgeon and preparing plaster casts of upper and lower jaws from wax impressions;

- c) shaping metal vulcanite or plastic plates for dentures and setting false teeth in plates;
- d) processing dentures in acrylic resin or metal and bridges according to the impression taken;
- e) forming porcelain teeth and crowns and repairing or making additions to existing dentures;
- f) performing related tasks; and
- g) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3214)*

| | |
|---------|---------------------|
| 3214-01 | Dental Technician |
| 3214-02 | Denturist |
| 3214-03 | Orthotic Technician |
| 3214-04 | Orthotist |

UNIT GROUP 3215 ORTHOTIC AND PROSTHETIC TECHNICIANS

Orthotic and Prosthetic Technicians measure, design, fabricate, fit or service a prosthetic as prescribed by a doctor, and assist in the formulation of the prosthesis prescription for the replacement of external parts of the human body lost due to amputation or congenital deformities or absences.

Tasks include:

- a) ensuring devices fit well and that patients have an acceptable range of movement;
- b) crafting prosthetic limbs from softer plastics;
- c) performing related tasks; and
- d) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3215)*

| | |
|---------|------------------------|
| 3215-01 | Orthopaedic Technician |
| 3215-02 | Prosthetic Technician |

MINOR GROUP 322 NURSING AND MIDWIFERY ASSOCIATE PROFESSIONALS

Nursing and Midwifery Associate Professionals apply medical concepts and principles relating to the nursing of the ill, injured or disabled, and care of mothers and their newborn babies.

UNIT GROUP 3221 NURSING ASSOCIATE PROFESSIONALS (EXCEPT DENTAL)

Nursing Associate Professionals (Except Dental) provide basic nursing and personal care for people who are physically or mentally ill, disabled or infirm, and others in need of care due to risks to health.

Tasks include:

- a) providing nursing care, treatment and advice to the ill, injured, disabled and others in need of such care;
- b) assisting medical doctors in their tasks, administering medicine and drugs, applying surgical dressings and giving other forms of treatment under the instruction of medical doctors;
- c) assisting in treatment in emergencies;
- d) assisting in preparation of physical and psychiatric treatment of mentally ill patients;

- e) assisting in preparation for social adjustment, development and education of mentally or physically handicapped patients;
- f) providing nursing care to patients in their homes;
- g) performing related tasks; and
- h) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3221)*

| | |
|---------|-------------------|
| 3221-01 | Nurse, Grade U29 |
| 3221-02 | Nursing Assistant |
| 3221-03 | Enrolled Nurse |
| 3221-04 | Practical Nurse |

UNIT GROUP 3222 MIDWIFERY ASSOCIATE PROFESSIONALS

Midwifery Associate Professionals deliver or assist doctors in the delivery of babies, provide ante-natal and post-natal care and advise parents on baby care.

Tasks include:

- a) performing a variety of tasks and being a member of the health team directly serving the public;
- b) advising expectant mothers on appropriate diet, exercise and conduct to ease pregnancy and childbirth, and noting their general health;
- c) assisting doctors in deliveries;
- d) attending to mothers in the post-natal period to supervise their recovery, check on babies' health and advise parents on baby care;
- e) conducting health education classes and seminars to promote the health of mothers and infants;
- f) advising on birth control methods;
- g) performing related tasks; and
- h) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3222)*

| | |
|---------|----------------------------|
| 3222-01 | Community Nurse, Grade U19 |
| 3222-02 | Traditional Midwife |
| 3222-03 | Midwifery Assistant |

MINOR GROUP 323 TRADITIONAL AND COMPLEMENTARY MEDICINE ASSOCIATE PROFESSIONALS

Traditional and Complementary Medicine Associate Professionals prevent, care for and treat physical and mental illnesses, disorders and injuries using herbal and other therapies based on theories, beliefs and experiences originating in specific cultures.

UNIT GROUP 3231 TRADITIONAL AND COMPLEMENTARY MEDICINE ASSOCIATE PROFESSIONALS

Traditional and Complementary Medicine Associate Professionals treat mental and physical sickness using herbs, medicinal plants and other traditional techniques employed in the community and advise on methods to preserve or improve the health and well-being of a person.

Tasks include:

- a) examining patients, making diagnoses and treating diseases and injuries using herbs, medicinal plants and other traditional techniques employed in the community;
- b) advising the community and individuals on proper diet and conduct to preserve or improve health and well-being;
- c) performing related tasks; and
- d) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3231)*

| | |
|---------|---|
| 3231-01 | Traditional Malay Medicine Practitioner |
| 3231-02 | Traditional Chinese Medicine Practitioner |
| 3231-03 | Traditional Indian Medicine Practitioner |
| 3231-04 | Traditional Chinese Medicine Dispenser |

MINOR GROUP 324 VETERINARY TECHNICIANS AND ASSISTANTS

Veterinary Technicians and Assistants advise, carry out diagnostic, preventive and curative veterinary tasks more limited in scope and complexity than those carried out by veterinarians. They care for animals under treatment and assist veterinarians to perform procedures and treatment.

UNIT GROUP 3241 VETERINARY TECHNICIANS AND ASSISTANTS

Veterinary Technicians and Assistants advise, carry out diagnostic, preventive and curative veterinary tasks more limited in scope and complexity than those carried out by veterinarians. They care for animals under treatment and assist veterinarians to perform procedures and treatment.

Tasks include:

- a) helping to carry out the duties of animal management and enforcement, management of animal health, animal fertility management, inspection of animal quarantine centre, ante-mortem and post-mortem inspection at slaughterhouses and processing plants and advising on farming, enforcement of veterinary legislation, and data collection of animals;
- b) advising the community and individuals on the treatment of animals and their diseases and injuries;
- c) examining animals to make diagnoses or referring more difficult cases to veterinarians when needed;
- d) treating ill or injured animals, especially for common diseases and disorders;
- e) preparing and maintaining instruments and materials used in the treatment of animals;
- f) carrying out technical tasks connected with artificial insemination of animals;
- g) preparing animals for examination or treatment and holding them during treatment, if necessary;
- h) performing related tasks; and
- i) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3241)*

| | |
|---------|--|
| 3241-01 | Veterinary Assistant, Grade G17 |
| 3241-02 | Veterinary Technician |
| 3241-03 | Veterinary Biotech Research Technician |
| 3241-04 | Veterinary Vaccinator |

MINOR GROUP 325 OTHER HEALTH ASSOCIATE PROFESSIONALS

Other Health Associate Professionals include other health associate professionals engaged in health activities outside the scope of those classified in minor groups 321-324.

UNIT GROUP 3251 DENTAL ASSISTANTS AND THERAPISTS

Dental Assistants and Therapists carry out advisory, diagnostic, preventive and curative dental tasks more limited in scope and complexity than those carried out by dentists, and assist dentists by preparing and maintaining instruments and other equipment, preparing materials and helping patients prepare for examination and treatment.

Tasks include:

- a) examining, diagnosing and managing the treatment of patients under their care and referring to the dental officer for further action;
- b) carrying out health education activities through brushing instruction, lectures and health campaign exhibitions;
- c) providing advice to the community and the individual on dental hygiene, diet and other preventive dental measures;
- d) carrying out dental examinations to make diagnoses and referring more complex cases to dentists when necessary;
- e) preparing and maintaining dental instruments and equipment;
- f) preparing dental materials;
- g) performing related tasks; and
- h) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: [\(refer to index; unit group 3251\)](#)

| | |
|---------|-------------------------------------|
| 3251-01 | Dental Nurse, Grade U29 |
| 3251-02 | Dental Surgery Assistant, Grade U17 |
| 3251-03 | Dental Health Nurse |
| 3251-04 | Dental Nurse |

UNIT GROUP 3252 MEDICAL RECORD AND HEALTH INFORMATION TECHNICIANS

Medical Record and Health Information Technicians organise and evaluate the results of examinations, reports on x-rays and laboratory tests, diagnoses and treatment plans for completeness and accuracy.

Tasks include:

- a) planning, developing, maintaining and managing a variety of health record indexes for the collection, classification, storage and analysis of information using computer programs to tabulate and analyse data to improve patient care, improve cost control, provide documentation for use in legal action or in research studies;
- b) copying, compiling and processing the patients' medical records, admission and discharge documents and other medical reports in the record-keeping system to provide data for monitoring and referrals;
- c) protecting the security of medical records;
- d) performing related tasks; and
- e) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: [\(refer to index; unit group 3252\)](#)

| | |
|---------|-----------------------------|
| 3252-01 | Medical Record Technician |
| 3252-02 | Clinical Coder |
| 3252-03 | Disease Registry Technician |
| 3252-04 | Medical Record Analyst |

UNIT GROUP 3253 COMMUNITY HEALTH WORKERS

Community Health Workers carry out advisory, diagnostic, preventive and curative medical tasks more limited in scope and complexity than those carried out by medical doctors. They provide support and assistance to individuals and families in the health and social service system.

Tasks include:

- a) providing information to families and the community on various health issues including nutrition, hygiene, care of infants and children, immunisation, family planning, risk factors and prevention of normal, infectious diseases, poison prevention, first aid treatment for simple and common afflictions, abuse, domestic violence and other topics;
- b) advising the community and individuals on hygiene, diet and other preventive medical measures;
- c) conducting medical examinations to diagnose diseases and/or referring more difficult cases to medical doctors when necessary;
- d) distributing medical supplies to households to prevent and treat endemic diseases such as malaria, pneumonia and diarrhoeal diseases;
- e) visiting families in their homes to provide information about health, social services and other services;
- f) prescribing medicine and giving treatment for diagnosed illnesses, disorders or injuries;
- g) collecting household and community data for the purpose of monitoring and referrals, and preparing reports to meet health regulations;
- h) performing related tasks; and
- i) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: [\(refer to index; unit group 3253\)](#)

| | |
|---------|---------------------------|
| 3253-01 | Community Health Aide |
| 3253-02 | Community Health Promoter |
| 3253-03 | Community Health Worker |
| 3253-04 | Village Health Worker |

UNIT GROUP 3254 DISPENSING OPTICIANS

Dispensing Opticians design, fit and dispense optical lenses based on a prescription from an ophthalmologist or optometrist for the correction of reduced visual acuity. They also advise patients on the wearing of and care for their spectacles and contact lenses.

Tasks include:

- a) interpreting optical prescriptions written by optometrists or ophthalmologists;
- b) giving advice to patients on lens type, frames and styles;
- c) fitting contact lenses and giving advice on their care and use;
- d) taking frame and facial measurements to ensure correct fit and positioning;
- e) advising patients when adjustments or fixing of spectacles are required;
- f) examining lenses upon receipt to ensure they meet the required specifications;
- g) performing related tasks; and
- h) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: [\(refer to index; unit group 3254\)](#)

| | |
|---------|-----------------------------------|
| 3254-01 | Optician, Contact Lens Dispensing |
| 3254-02 | Contact Lens Optician |
| 3254-03 | Dispensing Optician |

UNIT GROUP 3255 PHYSIOTHERAPY TECHNICIANS AND ASSISTANTS

Physiotherapy Technicians and Assistants provide physical therapy to patients whose movements have been affected by disease, injury or degeneration. The therapy has usually been prescribed by a physiotherapist or other health professional to rehabilitate the patients.

Tasks include:

- a) advising the community and individuals on correct body postures at work or otherwise, to avoid injuries and strain and to strengthen muscles;
- b) conducting examinations to make diagnoses of disorders of bones, muscles and parts of the circulatory or the nervous system to determine proper treatment or referring to medical doctors, if necessary;
- c) treating disorders of bones, muscles and parts of the circulatory or the nervous system by manipulative methods and the use of ultrasound, heating, laser or similar techniques;
- d) massaging clients to improve blood circulation, soothe or stimulate nerves, facilitate elimination of waste matter, stretch contracted tendons and produce other therapeutic effects;
- e) applying physiotherapy and related techniques as part of the treatment of physically or mentally disabled persons; and
- f) performing related tasks.

Examples of the occupations classified here: ([refer to index; unit group 3255](#))

| | |
|---------|-------------------------|
| 3255-01 | Physiotherapy Assistant |
| 3255-02 | Electrotherapist |
| 3255-03 | Acupressure Therapist |
| 3255-04 | Hydrotherapist |

UNIT GROUP 3256 MEDICAL ASSISTANTS

Medical Assistants perform basic clinical and administrative tasks to support patient care under the direct supervision of a medical practitioner or other health professionals.

Tasks include:

- a) advising the community and individuals on hygiene, diet and other preventive medical measures;
- b) conducting medical examinations to diagnose illness and/or referring more difficult cases to medical doctors when necessary;
- c) prescribing medicine and giving treatment for diagnosed illnesses, disorders or injuries;
- d) performing simple surgical operations;
- e) performing related tasks; and
- f) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: ([refer to index; unit group 3256](#))

| | |
|---------|------------------------------------|
| 3256-01 | Public Health Assistant, Grade U17 |
| 3256-02 | Medical Laboratory Assistant |
| 3256-03 | Hospital Assistant |
| 3256-04 | Medical Assistant |

UNIT GROUP 3257 ENVIRONMENTAL AND OCCUPATIONAL HEALTH INSPECTORS AND ASSOCIATES

Environmental and Occupational Health Inspectors and Associates inspect environmental factors which can affect human health, occupational safety and the goods production or service process in accordance with related laws and regulations.

Tasks include:

- a) advising representatives of employers and workers on the implementation of government and other rules and regulations concerning occupational safety and the work environment;
- b) inspecting places of work to ensure that the work environment, machinery and equipment conform to government and other rules and regulations;
- c) inspecting areas of production, processing, transport, handling, storage and sale of products to ensure conformity with government and other rules and regulations;
- d) inspecting products or finished components to ensure compliance of the specifications and standards of the manufacturer;
- e) advising enterprises and the general public on the implementation of government and other rules and regulations concerning hygiene, sanitation, purity and grading of primary products, food, drugs, cosmetics and similar goods;
- f) advising producers, operators and those maintaining and repairing aircraft, cars and other vehicles on the implementation of government and other rules and regulations concerning technical standards and conditions of vehicles;
- g) inspecting vehicles and places authorised to maintain and repair vehicles to ensure that they conform to standards and government and other regulations;
- h) performing related tasks; and
- i) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: ([refer to index; unit group 3257](#))

| | |
|---------|------------------------------------|
| 3257-01 | Public Health Inspector |
| 3257-02 | Public Health Safety Inspector |
| 3257-03 | Public Health Unit Supervisor |
| 3257-04 | Public Health Restaurant Inspector |

UNIT GROUP 3258 AMBULANCE ASSISTANTS

Ambulance Assistants provide emergency health care to patients who are injured, sick, infirm, or otherwise physically or mentally impaired prior to and during transport to medical facilities.

Tasks include:

- a) delivering appropriate care and treatment to preserve life, preventing a patient's condition from deteriorating and promoting recovery;
- b) assessing the health status of persons involved in accidents, natural disasters and other emergency situations, and determining needs for immediate medical assistance;
- c) performing medical procedures and administering drugs and other therapies according to the procedure for emergency medical treatment, including resuscitating and defibrillating patients and operating life support equipment;
- d) monitoring changes in the health status of patients during transport from medical, rehabilitation and other health care facilities;
- e) performing related tasks; and
- f) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3258)*

| | |
|---------|------------------------------|
| 3258-01 | Ambulance Assistants |
| 3258-02 | Ambulance Officer |
| 3258-03 | Ambulance Paramedic |
| 3258-04 | Emergency Medical Technician |

UNIT GROUP 3259 HEALTH ASSOCIATE PROFESSIONALS NOT ELSEWHERE CLASSIFIED

This unit group covers Health Associate Professionals Not Elsewhere Classified in Minor Group 325: Other Health Associate Professionals.

Tasks include:

- a) determining the type of disease or condition affecting the patient;
- b) interviewing and examining patients to obtain information on their health status and the nature and extent of injury, illness or other physical or mental health problem;
- c) monitoring the health of patients through the treatment plan, and identifying the signs and symptoms that require referral to a medical doctor or other health professional;
- d) storing information on the patient's health status and response to treatment in the medical record-keeping system;
- e) performing related tasks; and
- f) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3259)*

| | |
|---------|--------------|
| 3259-01 | Chiropractor |
| 3259-02 | Osteopath |

SUB-MAJOR 33 BUSINESS AND ADMINISTRATION ASSOCIATE PROFESSIONALS

Business and Administration Associate Professionals perform mostly technical tasks connected with the practical application of knowledge relating to financial accounting and transaction matters, mathematical calculations, human resource development, sale and purchase of financial instruments and specialised secretarial tasks. They include workers who provide business services such as conference planning, job placements, sale and purchase of real estate or bulk commodities, and agents for performers such as athletes and artists.

MINOR GROUP 331 FINANCIAL AND MATHEMATICAL ASSOCIATE PROFESSIONALS

Financial and Mathematical Associate Professionals place a value on various items and property, maintain records of financial transactions, analyse loan application information and make decisions, buy and sell financial instruments, and perform mathematical and related calculations.

UNIT GROUP 3311 SECURITIES AND FINANCE DEALERS AND BROKERS

Securities and Finance Dealers and Brokers buy and sell securities, stocks, bonds and other financial instruments, and deal on the foreign exchange on spot or on futures markets on behalf of their own company or for customers on a commission basis and recommend transactions to clients or senior management.

Tasks include:

- a) obtaining information about the financial circumstances of customers and companies in which investments may be made;
- b) analysing market trends for securities, bonds, stocks and other financial instruments, including foreign exchange;
- c) informing prospective customers about market conditions and prospects;
- d) advising on and participating in the negotiation of terms for and organisation of loans and placement of stocks and bonds in the financial market to raise capital for customers;
- e) recording and transmitting buy and sell orders for securities, stocks, bonds or foreign exchange;
- f) performing related tasks; and
- g) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3311)*

| | |
|---------|-------------------------|
| 3311-01 | Securities Broker |
| 3311-02 | Stock and Share Broker |
| 3311-03 | Foreign Exchange Broker |
| 3311-04 | Stock Broker |

UNIT GROUP 3312 CREDIT AND LOAN OFFICERS

Credit and Loan Officers analyse and evaluate financial information on applications for credit and loans and approve or disapprove, or recommend approval or disapproval to the management.

Tasks include:

- a) interviewing applicants for personal loans, mortgage loans, student loans and business loans;
- b) submitting credit and loan applications to the management with recommendations for approval or rejection;

- c) keeping records of payments, and preparing letters requesting payment for overdue accounts and forwarding these for legal action;
- d) completing credit and loan documentation;
- e) performing related tasks; and
- f) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3312)*

| | |
|---------|--------------------------|
| 3312-01 | Mortgage Officer |
| 3312-02 | Loan Officer |
| 3312-03 | Credit Control Executive |
| 3312-04 | Credit Supervisor |

UNIT GROUP 3313 ACCOUNTING ASSOCIATE PROFESSIONALS

Accounting Associate Professionals maintain complete records of financial transactions of an undertaking and verify accuracy of documents and records relating to such transactions.

Tasks include:

- a) performing financial and accounting tasks;
- b) maintaining complete records of all financial transactions of an undertaking according to general accounting principles with guidance from accountants;
- c) verifying accuracy of documents and records relating to payments, receipts and other financial transactions;
- d) preparing financial statements and reports for specified periods;
- e) performing accounting calculation using standard computer software packages;
- f) providing assistance in the preparation of cash flow projection and budgets;
- g) applying knowledge of accounting principles in order to identify and solve problems arising in the course of their work;
- h) enforcing the legal penalty of financial affairs management and providing counselling in terms of accounting systems, administrative and legal management of cooperatives and duties as directed from time to time;
- i) performing related tasks; and
- j) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3313)*

| | |
|---------|---------------------------------|
| 3313-01 | Accounting Assistant, Grade W17 |
| 3313-02 | Audit Assistant, Grade W17 |
| 3313-05 | Book-Keeper |
| 3313-06 | Accounts Supervisor |

UNIT GROUP 3314 STATISTICAL, MATHEMATICAL AND ACTUARIAL ASSOCIATE PROFESSIONALS

Statistical, Mathematical and Actuarial Associate Professionals assist in planning the collection, processing and presentation of mathematical, statistical or actuarial data and in carrying out these operations, usually under the guidance of mathematicians and related professionals or statisticians.

Tasks include:

- a) performing work related to collecting, processing and dissemination of data in macro-economics, commerce, population, demographics, manpower and the environment for national development and administrative planning;

- b) preparing detailed estimates of quantities and costs of materials and labour required for statistical census and survey operations;
- c) performing technical tasks connected with establishing, maintaining and using registers and sampling frames for census and survey operations;
- d) performing technical tasks connected with data collection and quality control operations in censuses and surveys;
- e) using standard computer software packages to perform mathematical, actuarial, statistical and related calculations;
- f) preparing mathematical, actuarial, statistical and other results for presentation in graphical or tabular form;
- g) applying knowledge of mathematical, actuarial, statistical and related principles and practices in order to identify and solve problems arising in the course of their work;
- h) performing related tasks; and
- i) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3314)*

| | |
|---------|----------------------------------|
| 3314-01 | Statistical Assistant, Grade E17 |
| 3314-02 | Mathematical Assistant |
| 3314-03 | Actuarial Assistant |

UNIT GROUP 3315 VALUERS AND LOSS ASSESSORS

Valuers and Loss Assessors value property and various goods and assess losses covered by insurance policies.

Tasks include:

- a) determining the value of raw materials, real estate, industrial equipment, personal and household effects, works of art, gems and other objects offered for sale or to be insured;
- b) assessing the extent of damage or loss and liabilities of insurance companies and underwriters for losses covered by insurance policies;
- c) inspecting items or property to evaluate condition, size and construction;
- d) obtaining records of sales and value of similar items or property;
- e) performing related tasks; and
- f) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3315)*

| | |
|---------|--------------------------------|
| 3315-01 | Valuation Assistant, Grade W17 |
| 3315-02 | Appraiser |
| 3315-03 | Valuer |
| 3315-04 | Revenue Assessor |

MINOR GROUP 332 SALES AND PURCHASING AGENTS AND BROKERS

Sales and Purchasing Agents and Brokers represent companies, the government or other organisations in the sale and purchase of commodities, goods, insurance, shipping and other services to industries, professionals, commercial or other establishments or act as private agents to accompany buyers and sellers of commodities and services in negotiations.

UNIT GROUP 3321 INSURANCE AGENTS

Insurance Agents advise on and sell life, accident, automobile, liability, endowment, fire, marine and other types of insurance to new and existing clients.

Tasks include:

- a) obtaining information about customers' circumstances necessary to determine the appropriate type of insurance and conditions;
- b) negotiating with customers to determine the type and degree of risk for which insurance is derived, extent of coverage and terms of payment;
- c) negotiating and placing reinsurance contracts;
- d) advising on, negotiating terms for and placing insurance contracts for large or special types of projects, installations or risks;
- e) performing related tasks; and
- f) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3321)*

| | |
|---------|-----------------------|
| 3321-01 | Insurance Agent |
| 3321-02 | Insurance Broker |
| 3321-03 | Insurance Underwriter |
| 3321-04 | Insurance Consultant |

UNIT GROUP 3322 COMMERCIAL SALES AGENT

Commercial Sales Agent sell various goods and services to retail, industrial, wholesale and other establishments and provide specific information on products as required.

Tasks include:

- a) acquiring and updating knowledge of employers' and competitors' products and understanding market conditions;
- b) soliciting orders and selling goods to retail, industrial, wholesale and other establishments;
- c) selling technical equipment, supplies and related services to business establishments or individuals;
- d) providing prospective customers with general and specialised information and the characteristics and functions of the equipment being promoted, and demonstrating its use;
- e) quoting and negotiating prices and credit terms, completing contracts and recording orders;
- f) arranging for delivery of goods, installation of equipment and provision of services;
- g) reporting to sales management on sales made and the marketability of products;
- h) reporting customers' reactions and requirements to manufacturers;
- i) performing related tasks; and
- j) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3322)*

| | |
|---------|-----------------------------|
| 3322-01 | Salesperson |
| 3322-02 | After Sales Service Adviser |
| 3322-03 | Canvasser |
| 3322-04 | Sales Representative |

UNIT GROUP 3323 BUYERS

Buyers buy goods and services for use or resale on behalf of industrial, commercial, government or other enterprises and organisations.

Tasks include:

- a) negotiating and entering into a contract for the purchase of equipment, raw materials, products and supplies as well as the purchase of merchandise for resale;
- b) obtaining information about requirements and stock, and determining the quantity and quality to be purchased, costs, delivery dates and other contract conditions;
- c) negotiating with suppliers and review quotations;
- d) purchasing of goods for resale by retail or wholesale establishments;
- e) reviewing of market reports, trade magazines and sales promotion materials and visit trade events, showrooms, factories and product design functions;
- f) selecting items or products that meet the needs of the establishment;
- g) interviewing suppliers and negotiate prices, discounts, credit terms and transportation arrangements;
- h) monitoring the distribution of goods store and maintain adequate stock levels;
- i) determining delivery schedules, monitoring progress and contacting clients and suppliers to resolve problems
- j) performing related tasks; and
- k) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: ([refer to index; unit group 3323](#))

| | |
|---------|-------------------------------------|
| 3323-01 | Planning and Distribution Executive |
| 3323-02 | Purchasing Executive |
| 3323-03 | Buyer |
| 3323-04 | Buyer, Production Purchasing |

UNIT GROUP 3324 TRADE BROKERS

Trade Brokers buy and sell commodities, usually in bulk, and shipping services on a commission basis for their organisation or clients.

Tasks include:

- a) discussing buying or selling requirements of the client and giving advice accordingly;
- b) negotiating purchase/ sale by private agreement of goods unsold at auction;
- c) buying and selling cargo space on ships;
- d) monitoring and analysing market trends and other factors that may affect demand and supply;
- e) carrying out customs clearing procedures for exports or imports;
- f) signing and issuing bills of lading;
- g) making sure that the business service purchased is made available to the buyer in the agreed format at the agreed time;
- h) performing related tasks; and
- i) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: ([refer to index; unit group 3324](#))

| | |
|---------|------------------|
| 3324-01 | Commodity Broker |
| 3324-02 | Shipping Broker |
| 3324-03 | Trade Broker |

MINOR GROUP 333 BUSINESS SERVICES AGENTS

Business Services Agents establish contracts to sell various business services such as carrying out customs clearance activities, matching jobseekers with vacancies, finding workers for employers, planning and organising conferences and similar events, and arranging the sale and purchase of real estate.

UNIT GROUP 3331 **CLEARING AND FORWARDING AGENTS**

Clearing and Forwarding Agents carry out customs clearing procedures and ensure that insurance, export/import licences and other formalities are in order.

Tasks include:

- a) carrying out customs clearing procedures for exports or imports;
- b) ensuring that insurance is in order;
- c) ensuring that export/ import licences and other formalities are in order;
- d) signing and issuing bills of lading;
- e) checking import/ export documentation to determine cargo contents, and classifying goods into different fee or tariff groups using a tariff coding system;
- f) performing related tasks; and
- g) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3331)*

| | |
|---------|------------------|
| 3331-01 | Clearing Agent |
| 3331-02 | Forwarding Agent |
| 3331-03 | Shipping Agent |

UNIT GROUP 3332 **CONFERENCE AND EVENT AGENTS**

Conference and Event Agents organise and coordinate services for conferences, events, functions, banquets and seminars.

Tasks include:

- a) promoting conferences, conventions and trade shows to potential customers;
- b) responding to queries concerning services provided and costs for room and equipment hire, catering and related services;
- c) meeting with clients to discuss their needs and outlining options to meet these needs;
- d) arranging and coordinating services such as conference facilities, catering, signage, displays, audio-visual and computer equipment, accommodation, transport and social events for participants, as well as logistical arrangements for presenters;
- e) handling registration of participants;
- f) negotiating the type and costs of services to be provided within budget;
- g) overseeing work by contractors and reporting on variations to work procedure;
- h) performing related tasks; and
- i) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3332)*

| | |
|---------|--------------------------------------|
| 3332-01 | Exhibition and Convention Consultant |
| 3332-02 | Exhibition and Convention Organiser |
| 3332-03 | Travel Consultant |
| 3332-04 | Travel Organiser |

UNIT GROUP 3333 EMPLOYMENT AGENTS AND CONTRACTORS

Employment Agents and Contractors match jobseekers with vacancies, find workers for employers and contract labour for particular projects at the request of enterprises and other organisations.

Tasks include:

- a) matching job seekers with vacancies;
- b) finding workers for vacant posts against a commission from the employer or worker;
- c) discussing with enterprises/ organisations the necessary skills and other characteristics of the workers to be employed or contracted;
- d) finding workers with appropriate skills and undertaking the necessary formalities according to national or international regulations and requirements;
- e) ensuring that the employment contracts meet legal requirements and signing them;
- f) performing related tasks; and
- g) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3333)*

| | |
|---------|-----------------------|
| 3333-01 | Employment Agent |
| 3333-02 | Job Placement Officer |
| 3333-03 | Labour Contractor |

UNIT GROUP 3334 REAL ESTATE AND PROPERTY AGENTS

Real Estate and Property Agents arrange the sale, purchase, rental and lease of real estate, usually on behalf of clients and on a commission basis.

Tasks include:

- a) obtaining information about properties to be sold or leased, the circumstances of their owners and the stipulations and needs of prospective buyers or tenants;
- b) showing properties to be sold or leased to prospective buyers or tenants and explaining terms of sale or conditions of rent or lease;
- c) arranging signing of lease agreements and transfer of property rights;
- d) collecting rent and deposits on behalf of owners and inspecting properties before, during and after tenancies;
- e) performing related tasks; and
- f) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3334)*

| | |
|---------|---------------------|
| 3334-01 | Real Estate Agent |
| 3334-02 | Property Agent |
| 3334-03 | Property Realtor |
| 3334-04 | Property Negotiator |

UNIT GROUP 3339 BUSINESS SERVICES AGENTS NOT ELSEWHERE CLASSIFIED

This unit group covers Business Services Agents Not Elsewhere Classified in Minor Group 333: Business Services Agents.

Tasks include:

- a) obtaining information about services for sale and needs of prospective buyers;

- b) negotiating contracts on behalf of the seller or buyer and explaining the terms of sale and payment to the client;
- c) signing agreements on behalf of the seller or buyer and ensuring that the contract is honoured;
- d) making sure that the business service purchased is made available to the buyer in the agreed format at the agreed time;
- e) selling by auction various kinds of property, cars, commodities, livestock, art, jewellery and other objects;
- f) performing related tasks; and
- g) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3339)*

| | |
|---------|---------------------------|
| 3339-01 | Auctioneer |
| 3339-02 | Literary Agent |
| 3339-03 | Musical Performance Agent |
| 3339-04 | Sports Agent |

MINOR GROUP 334 ADMINISTRATIVE AND SPECIALISED ASSOCIATE PROFESSIONALS

Administrative and Specialised Associate Professionals provide organisational communication and documentation support activities. They take supervisory responsibility for office clerks in the organisation.

UNIT GROUP 3341 ADMINISTRATIVE ASSOCIATE PROFESSIONALS

Administrative Associate Professionals carry out administrative duties in the support group.

Tasks include:

- a) coordinating, assigning and reviewing the work of clerks engaged in the following duties: word processing, record keeping and filing; operating telephones and switchboards; data entry; desktop publishing, and other activities involving general office and administrative skills;
- b) setting work schedules and procedures and co-ordinate activities with other work units or departments;
- c) solving problems related to work and prepare and submit progress and other reports;
- d) training and instructing employees in job duties, safety procedures and company policies or arrange for training to be provided;
- e) evaluating staff performance and compliance regulations, and recommend appropriate personnel action;
- f) be responsible to the President of the Senate, Secretary of the Senate (SUDN), the Secretary of the House of Representatives (Sudr) and Assistant Secretary General of the House Management (KPSU PD);
- g) hiring, interviewing, and selecting employees; and
- h) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3341)*

| | |
|---------|--|
| 3341-01 | Sergeant-at-Arms, Grade N27 |
| 3341-02 | Data Entry Supervisor |
| 3341-03 | Hospital Admission Clerical Supervisor |
| 3341-04 | Filling Clerk Supervisor |

UNIT GROUP 3342 LEGAL SECRETARIES

Legal Secretaries apply specialised knowledge of legal terminology and procedures in providing support to legal professionals in communication, documentation and internal managerial coordination activities in law offices, legal departments of large firms and government offices.

Tasks include:

- a) performing the duties associated with the legislation, including the registration, trial, suit, prosecution and administration of the court;
- b) preparing and processing legal documents and papers such as deeds, wills, affidavits and briefs;
- c) reviewing and proofreading documents and correspondence to ensure compliance with legal procedures;
- d) preparing verbatim reports on proceedings in the legislative assemblies, courts of law or other places in shorthand or by other methods;
- e) mailing, faxing or arranging for delivery of legal correspondence to clients, witnesses and court officials;
- f) organising and maintaining documents, case files and law libraries;
- g) screening requests for meetings, scheduling and organising meetings;
- h) assisting in the preparation of budgets, monitoring of expenditures, drafting of contracts and purchase or taking orders;
- i) assisting the head of unit and other staff with queries of an administrative or organisational nature; and
- j) supervising the work of office clerks.

Examples of the occupations classified here: ([refer to index; unit group 3342](#))

| | |
|---------|-------------------------------|
| 3342-01 | Shariah Assistant, Grade LS17 |
| 3342-02 | Legal Secretary |

UNIT GROUP 3343 ADMINISTRATIVE AND EXECUTIVE SECRETARIES

Administrative and Executive Secretaries implement and support the communication, documentation and internal managerial coordination activities of an organisational unit to assist the head of unit and other members of staff and/or prepare correspondence, reports and records of proceedings and other specialised documentation.

Tasks include:

- a) drafting correspondence and minutes;
- b) obtaining, proposing and monitoring deadlines and follow-up dates;
- c) screening requests for meetings, scheduling and organising meetings and travel arrangements for the head of unit and other members of staff;
- d) assisting in the preparation of budgets, monitoring of expenditures, drafting of contracts and purchase or taking of orders;
- e) assisting the head of unit and other staff with queries of an administrative or organisational nature;
- f) liaising with other staff about a range of matters relating to organisational operations;
- g) writing and answering business or technical letters and other similar correspondence;
- h) performing related tasks; and
- i) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: ([refer to index; unit group 3343](#))

| | |
|---------|---|
| 3343-01 | Assistant Executive Officer (Secretarial), Grade 31 |
| 3343-02 | Assistant Executive Officer (Secretarial), Grade 6 |
| 3343-04 | Personal Assistant |
| 3343-05 | Administrative Executive Assistant |

UNIT GROUP 3344 MEDICAL SECRETARIES

Medical Secretaries using specialised knowledge of medical terminology and procedures, assist the head of unit and other members of staff in implementing and supporting the communication, documentation activities, administrative functions and internal managerial coordination.

Tasks include:

- a) scheduling and confirming medical appointments and communicating messages for medical staff and patients;
- b) compiling, recording and reviewing medical charts, reports, documents and correspondence;
- c) interviewing patients to complete forms, documents and case histories;
- d) completing insurance and other claim forms;
- e) maintaining medical files and records and the technical library;
- f) preparing financial statements and billing procedures;
- g) assisting in the preparation of budgets, financial statements and billing procedures;
- h) drafting contracts and purchasing or taking orders; and
- j) supervising the work of office clerks.

Examples of the occupations classified here: (*refer to index; unit group 3344*)

| | |
|---------|---|
| 3344-01 | Medical Secretary |
| 3344-02 | Medical Office Administrative Assistant |
| 3344-03 | Hospital Ward Secretary |
| 3344-04 | Patient Care Secretary |

SUB-MAJOR 34 LEGAL ASSOCIATE PROFESSIONALS

Legal Associate Professionals perform support functions in courts of law or in law offices, provide services related to such legal matters as insurance contracts, property transfers, granting of loans and other financial transactions or conduct investigations for clients.

MINOR GROUP 341 LEGAL ASSOCIATE PROFESSIONALS

Legal Associate Professionals perform support functions in courts of law or in law offices, provide services related to such legal matters as insurance contracts, property transfers, granting of loans and other financial transactions or conduct investigations for clients.

UNIT GROUP 3411 LEGAL AND RELATED ASSOCIATE PROFESSIONALS

Legal and Related Associate Professionals perform support functions in courts of law or in law offices, provide services related to such legal matters as insurance contracts, property transfers, granting of loans and other financial transactions or conduct investigations for clients.

Tasks include:

- a) preparing, recording and issuing court orders including probation orders, release documentation, sentencing information and summonses;
- b) making the registry files, reviewing draft orders and writing letters to lawyers on the trial dates;
- c) interpreting cases in open court and judge's chamber;
- d) registering / recording in the files the proceedings or decisions of the cases that have been tried;
- e) preparing daily / monthly reports and ensuring and preparing case files before sending them to the judge;
- f) drafting and proofreading, including compiling attendance notes, taking notes at court, proofreading documents, writing letters;
- g) preparing litigation bundles and managing case files;
- h) performing legal research;
- i) liaising with clients (in more senior roles);
- j) taking witness statements;
- k) managing the implementation of rehabilitation programmes, prevention programmes, drug-related law enforcement and tasks as directed by superiors;
- l) performing related tasks; and
- m) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: ([refer to index; unit group 3411](#))

| | |
|---------|---|
| 3411-01 | Administrative Assistant (Legal), Grade L17 |
| 3411-02 | Anti-Drug Assistant, Grade S17 |
| 3411-03 | Bailiff |
| 3411-04 | Private Detective |

SUB-MAJOR 35 INFORMATION AND COMMUNICATIONS TECHNICIANS

Information and Communications Technicians provide support for the running of computer systems, communications systems and networks and perform technical tasks related to telecommunications, broadcast of image and sound as well as other types of telecommunications signals on land, sea or in aircraft.

MINOR GROUP 351 INFORMATION AND COMMUNICATIONS TECHNOLOGY OPERATION AND USER SUPPORT TECHNICIANS

Information and Communications Technology Operation and User Support Technicians provide support for the running of communications systems, computer systems and networks and provide technical assistance to users.

UNIT GROUP 3511 INFORMATION AND COMMUNICATIONS TECHNOLOGY OPERATION TECHNICIANS

Information and Communications Technology Operation Technicians support the day-to-day processing, operation and monitoring of information and communications technology systems, including local and wide area networks (LANs and WANs), and hardware, software and related computer equipment to ensure optimal performance.

Tasks include:

- a) performing duties encompassing maintenance of computer systems such as preventive maintenance and maintenance of information technology equipment and maintenance of computing applications and operating systems in an organisation;
- b) operating and overseeing computer peripherals and related equipment;
- c) monitoring systems for equipment failure or errors in performance;
- d) informing the supervisor or maintenance technicians of equipment malfunctions;
- e) retrieving, separating and sorting program output as needed, and sending data to specified users;
- f) loading peripheral equipment, such as printers, with selected materials for operations, or overseeing loading of peripheral equipment by peripheral equipment operators;
- g) performing related tasks; and
- h) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: (*refer to index; unit group 3511*)

| | |
|---------|--|
| 3511-01 | Computer Technician, Grade FT17 |
| 3511-02 | Administrative Assistant (Computer Operator), Grade 21 |
| 3511-05 | Computer Technician |
| 3511-06 | Computer Peripheral Equipment Technician |

UNIT GROUP 3512 INFORMATION AND COMMUNICATIONS TECHNOLOGY USER SUPPORT TECHNICIANS

Information and Communications Technology User Support Technicians provide technical assistance to users, either directly or by telephone, e-mail or other electronic means, including diagnosing and resolving issues and problems with software, hardware, computer peripheral equipment, networks, databases and the Internet, and provide guidance and support in the deployment, installation and maintenance of systems.

Tasks include:

- a) answering user inquiries regarding software or hardware operation to resolve problems;

- b) entering commands and observing system functioning to verify correct operations;
- c) installing and performing minor repairs to hardware, software or peripheral equipment, following design or installation specifications;
- d) overseeing the daily performance of communications and computer systems;
- e) setting up equipment for employee use, performing or ensuring proper installation of cables, operating systems, or appropriate software;
- f) performing related tasks; and
- g) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3512)*

| | |
|---------|--------------------------------------|
| 3512-01 | Computer Help Desk Technician |
| 3512-02 | Personal Computer Support Technician |
| 3512-03 | Information Technology Technician |
| 3512-04 | Computer Help Desk Operator |

UNIT GROUP 3513 COMPUTER NETWORK AND SYSTEMS TECHNICIANS

Computer Network and Systems Technicians establish, operate and maintain network and other data communications systems.

Tasks include:

- a) operating, maintaining and troubleshooting network systems;
- b) operating and maintaining data communications systems other than network;
- c) assisting users with network and data communications problems;
- d) identifying areas needing upgraded equipment and software;
- e) installing computer hardware, network software, operating system software and application software;
- f) performing start up and shut down of systems including backup systems and disaster recovery operations;
- g) performing related tasks; and
- h) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3513)*

| | |
|---------|-----------------------------|
| 3513-01 | Computer Network Technician |
| 3513-02 | Network Support Technician |

UNIT GROUP 3514 WEB TECHNICIANS

Web Technicians maintain, monitor and support the optimal functioning of Internet and Intranet websites and web server hardware and software.

Tasks include:

- a) installing, monitoring and supporting the reliability and usability of Internet and Intranet websites or web server hardware or software;
- b) developing and maintaining documentation, policies and instructions, and recording operational procedures and system logs;
- c) developing, coordinating, implementing and monitoring security measures;
- d) analysing and making recommendations to enhance performance, including upgrading and acquiring new systems;
- e) liaising with and providing guidance to clients and users;
- f) modifying web pages;
- g) performing web server backup and recovery operations;

- h) performing related tasks; and
- i) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3514)*

| | |
|---------|--------------------|
| 3514-01 | Website Technician |
| 3514-02 | Web Technician |

MINOR GROUP 352 TELECOMMUNICATIONS AND BROADCASTING TECHNICIANS

Telecommunications and Broadcasting Technicians control technical functioning of equipment to record and edit images and sound and transmit radio and television broadcasts of images and sounds, as well as other types of telecommunications signals on land, sea or in aircraft, perform technical tasks connected with telecommunications engineering research and with the design, manufacture, assembly, construction, operation, maintenance and repair of telecommunications systems.

UNIT GROUP 3521 BROADCASTING AND AUDIO-VISUAL TECHNICIANS

Broadcasting and Audio-Visual Technicians control technical functioning of equipment to record and edit images and sound and transmit radio and television broadcasts of images and sounds, as well as other types of telecommunications signals on land, sea or in aircraft.

Tasks include:

- a) handling the installation of audio-visual equipment, providing amplifier facilities and loud audio-visual equipment;
- b) carrying out post-production work and copying the collection of media materials, and preparing exhibits and maintaining audio-visual equipment;
- c) taking charge of equipment for sound recordings;
- d) taking charge of equipment to edit and mix image and sound recordings to ensure satisfactory quality and to create special image and sound effects;
- e) applying knowledge of principles and practices of image and sound recording and editing in order to identify and solve problems in the course of work;
- f) taking charge of transmitting and broadcast systems and satellite systems for radio and television programmes;
- g) taking charge of radio communications systems, satellite services and multiplex systems on land, sea or in aircraft;
- h) applying knowledge of principles and practices of broadcasting, telecommunications terminals and transmissions systems in order to identify and solve problems;
- i) making repairs to equipment;
- j) performing related tasks; and
- k) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3521)*

| | |
|---------|------------------------------------|
| 3521-01 | Audio-Visual Technician, Grade N17 |
| 3521-02 | Cinematographer |
| 3521-03 | Audio-Visual Operator |
| 3521-04 | Production Assistant (Media) |

UNIT GROUP 3522 TELECOMMUNICATIONS ENGINEERING TECHNICIANS

Telecommunications Engineering Technicians perform technical tasks connected with telecommunications engineering research, as well as with the design, manufacture, assembly, construction, operation, maintenance and repair of telecommunications systems.

Tasks include:

- a) providing technical assistance connected with research and development of telecommunications equipment, or prototype testing;
- b) studying technical materials such as blueprints and sketches to determine the method of work to be adopted;
- c) preparing detailed estimates of quantities and costs of materials and labour required for the manufacture and installation of telecommunications equipment according to the specifications given;
- d) providing technical supervision of the manufacture, utilisation, maintenance and repair of telecommunications systems to ensure satisfactory performance and compliance with specifications and regulations;
- e) applying technical knowledge of telecommunications engineering principles and practices in order to identify and solve problems arising in the course of their work;
- f) performing related tasks; and
- g) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3522)*

| | |
|---------|---|
| 3522-01 | Aerospace Engineering Technician (Telecommunications) |
| 3522-02 | Engineering Technician (Telecommunications) |
| 3522-03 | Communications Technician |
| 3522-04 | Telecommunications Technician |

SUB-MAJOR 36 SOCIAL, CULTURAL AND RELATED ASSOCIATE PROFESSIONALS

Social, Cultural and Related Associate Professionals perform technical tasks related to social work, religious, sports, artistic, cultural and culinary activities.

MINOR GROUP 361 SOCIAL AND RELIGIOUS ASSOCIATE PROFESSIONALS

Social and Religious Associate Professionals perform technical tasks related to research and the practical application of concepts, theories, principles and operational methods connected with social work and religion.

UNIT GROUP 3611 SOCIAL WORK ASSOCIATE PROFESSIONALS

Social Work Associate Professionals offer clients guidance and implement social assistance programmes and community service and assist clients in dealing with personal and social problems.

Tasks include:

- a) collecting information relevant to clients' needs and advising them on their rights and obligations;
- b) analysing the client's situation and presenting alternative approaches to resolve problems;
- c) planning, evaluating, improving and developing welfare services;
- d) helping to prevent child abuse and domestic violence, and assisting people with physical or mental disabilities to obtain adequate treatment and to improve their ability to interact with society;
- e) assisting people with disabilities or senior citizens to acquire services and to improve their ability to function in society;
- f) compiling case records and preparing reports as required;
- g) offering crisis intervention and emergency protective services;
- h) conducting living skills workshops, substance abuse treatment programmes, behavioural management programmes, youth and community service programmes as well as social service programmes under the supervision of social workers or health care professionals;
- i) performing related tasks; and
- j) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3611)*

| | |
|---------|--|
| 3611-01 | Community Development Assistant, Grade S17 |
| 3611-02 | Social Research Assistant, Grade N17 |
| 3611-03 | Social Worker |
| 3611-04 | Social Worker, Group Work |

UNIT GROUP 3612 RELIGIOUS ASSOCIATE PROFESSIONALS

Religious Associate Professionals provide support to ministers or to a religious community, undertake religious work, preach and propagate the teachings of a particular religion and endeavour to improve well-being through the power of faith and spiritual advice.

Tasks include:

- a) undertaking religious work;
- b) preaching and propagating the teachings of a particular religious faith;
- c) assisting in worship and religious rites;
- d) providing religious education, spiritual guidance and moral support to individuals and communities;

- e) administering and participating in programmes to provide food, clothing and shelter to those in need;
- f) advising communities and individuals on proper behaviour and faith to preserve and improve well-being;
- g) helping to gather materials / books / documents pertaining to the faith;
- h) performing related tasks; and
- i) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3612)*

| | |
|---------|--------------------------------------|
| 3612-01 | Islamic Affairs Assistant, Grade S17 |
| 3612-02 | Monk |
| 3612-03 | Nun |
| 3612-04 | Preacher |

MINOR GROUP 362 SPORTS, SELF DEFENCE AND FITNESS ASSOCIATE PROFESSIONALS

Sports, Self Defence and Fitness Associate Professionals participate in or conduct public sporting competitions, coach amateur or professional sportspersons to enhance performance, promote participation and standards in sport, organise and officiate at sporting events, and provide instruction, training and supervision for various forms of exercise and other recreational activities.

UNIT GROUP 3621 ATHLETES AND SPORTS PLAYERS

Athletes and Sports Players participate in competitive sporting events. They train and compete, either individually or as part of a team, in their chosen sport.

Tasks include:

- a) participating in competitive sporting events;
- b) participating in regular practice and training sessions and undertaking private training to maintain the required standard of fitness and skill;
- c) attending sports promotional activities and media interviews;
- d) maintaining a high degree of expertise in a particular sport;
- e) deciding on strategies in consultation with coaches;
- f) assessing other competitors and conditions at venues;
- g) competing in sporting events;
- h) adhering to the rules and regulations associated with a specific sport;
- i) performing related tasks; and
- j) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3621)*

| | |
|---------|--------------|
| 3621-01 | Sportsperson |
| 3621-02 | Athlete |
| 3621-03 | Boxer |
| 3621-04 | Footballer |

UNIT GROUP 3622 SPORTS COACHES, INSTRUCTORS AND OFFICIALS

Sports Coaches, Instructors and Officials work with amateur and professional sportspersons to enhance performance, encourage greater participation in sport, and organise and officiate at sporting events according to established rules.

Tasks include:

- a) identifying the strengths and weaknesses of athletes or teams;
- b) planning and conducting training sessions;
- c) planning and coordinating schedules and programmes;
- d) motivating and preparing athletes or teams for competitive events;
- e) formulating competitive strategies, developing game plans and directing athletes and players during games or athletic events;
- f) analysing and evaluating athletes' or teams' performance and modifying training programmes;
- g) monitoring and analysing technique and performance, and determining how future improvements can be made;
- h) officiating at sporting events or athletic competitions to maintain standards of play and ensuring that game rules and safety regulations are observed;
- i) recording lapsed time and keeping scores during events or competitions;
- j) judging the performance of competitors, awarding of points, imposing penalties for infractions and determining results;
- k) carrying out programmes and activities related to youth and sports in the ministry / state / department / district;
- l) as the marching and physical training instructor, conducting marching and sports activities;
- m) compiling scores and other athletic records;
- n) performing related tasks; and
- o) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3622)*

| | |
|---------|---|
| 3622-01 | Youth and Sports Officer, Grade S41 |
| 3622-02 | Assistant Youth and Sports Officer, Grade S27 |
| 3622-06 | Sports Official |
| 3622-07 | Referee |

UNIT GROUP 3623 FITNESS AND RECREATION INSTRUCTORS AND PROGRAMME LEADERS

Fitness and Recreation Instructors and Programme Leaders lead, guide and instruct groups and individuals in recreational, fitness or outdoor adventure activities.

Tasks include:

- a) planning and carrying out recreational and fitness activities;
- b) monitoring recreational, sports or fitness activities to ensure safety and providing emergency or first aid assistance when required;
- c) evaluating and monitoring clients' abilities and fitness and recommending suitable activities;
- d) demonstrating and teaching body movements, concepts and skills used in fitness routines and recreational activities;
- e) instructing the use of equipment;
- f) explaining and enforcing safety procedures, rules and regulations.
- g) performing related tasks; and
- h) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3623)*

| | |
|---------|-----------------------------|
| 3623-01 | Physical Fitness Instructor |
| 3623-02 | Billiard Instructor |
| 3623-03 | Chess Instructor |
| 3623-04 | Sailing Instructor |

MINOR GROUP 363 ARTISTIC AND CULTURAL ASSOCIATE PROFESSIONALS

Artistic and Cultural Associate Professionals combine creative and technical skills with knowledge in taking and processing still photographs; design and decoration of theatre sets, shop displays and the interiors of homes; preparation of objects for display; maintenance of library and gallery collections, record and cataloguing systems; provide support for stage, film and television production; and in other areas of artistic and cultural endeavour.

UNIT GROUP 3631 PHOTOGRAPHERS

Photographers take photographs, operate video cameras and other equipment to record and edit images.

Tasks include:

- a) taking photos, editing, preparing captions and sending photographs of formal and informal activities for reference and retention;
- b) making film / audio or soundless video coverage, filming a special programme, providing equipment, maintaining the cleanliness of the studio and darkroom as well as ensuring safety of equipment inside and outside the department;
- c) consulting with clients to determine the objectives of photography assignments;
- d) reviewing the task requirements and choosing the type of camera, film and lighting;
- e) carrying out work in the studio or transporting and installing equipment at assigned locations;
- f) taking photographs for advertising or other commercial, industrial or scientific purposes and illustrating stories and articles in newspapers, magazines, books and other publications;
- g) setting up and operating motion picture cameras, videos, microscopic and other specialised cameras, including those used in aerial photography to record images;
- h) taking charge of equipment to edit and mix images to ensure satisfactory quality and to create special images;
- i) working with digital technology and manipulating resulting images on computer;
- j) applying principles and practices of image and sound recording and editing in order to identify and solve problems arising in the course of their work;
- k) performing related tasks; and
- l) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3631)*

| | |
|---------|---|
| 3631-01 | Photographer, Grade B11 |
| 3631-02 | Administrative Assistant (Photographer), Grade 21 |
| 3631-03 | Photographer |
| 3631-04 | Commercial Illustration Photographer |

UNIT GROUP 3632 INTERIOR DESIGNERS AND DECORATORS

Interior Designers and Decorators plan and design commercial, industrial, public, retail and residential building interiors and design posters and other print materials. They coordinate and participate in construction and decoration.

Tasks include:

- a) determining the design by consulting with clients, undertaking research and analysing functional requirements or studying layouts;
- b) designing industrial and commercial products, including new types and styles of clothing and accessories and harmonising aesthetic considerations with technical and other requirements;
- c) supervising the production of sample products or designing illustrations, instructing other workers in making models or patterns of products, or instructing finishing or layout artists in assembling artwork for printing;
- d) creating interior decorating schemes and planning furnishings for houses, public buildings, ships and other places;
- e) designing and painting backdrops;
- f) creating and executing artistic effects for use in show windows and other display/promotional areas;
- g) designing floral arrangements such as wreaths, bouquets and corsages according to customers' preference, purpose, occasion and availability of flowers;
- h) performing related tasks; and
- i) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: ([refer to index; unit group 3632](#))

| | |
|---------|---------------------|
| 3632-01 | Designer, Grade B11 |
| 3632-02 | Interior Designer |
| 3632-03 | Furniture Designer |
| 3632-04 | Poster Designer |

UNIT GROUP 3633 GALLERY, MUSEUM AND LIBRARY ASSOCIATE PROFESSIONALS

Gallery, Museum and Library Associate Professionals prepare works of art, specimens and artefacts for collection, and arrange and coordinate gallery displays.

Tasks include:

- a) receiving, reviewing and registering archival materials received, registering archival materials requested for research and reference purposes, archival materials returned and ensuring order and preservation of archival materials under their supervision;
- b) carrying out the repair and conservation work (including task binding) all government records in the various forms of book cover files, maps, plans, manuscripts, letters of agreement, letter, pictures and the like;
- c) assisting the Assistant Curator to conduct research and gathering museum collections and overseeing the restoration, rehabilitation, preservation and cleaning of museum collections for display;
- d) drawing plans of the building, renovation of building, office or laboratory, exhibition hall layout plan, display case, mapping for exploration activities, etc;
- e) providing lending services at the library, including interlibrary loan;
- f) mounting and preparing objects for display;
- g) assisting librarians in the acquisition, preparation and organisation of the information record system;
- h) describing, analysing and preserving valuable objects and collections for the benefit of researchers and the public;

- i) performing related tasks; and
- j) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3633)*

| | |
|---------|-----------------------------------|
| 3633-01 | Archive Assistant, Grade S17 |
| 3633-02 | Conservation Assistant, Grade S17 |
| 3633-05 | Gallery Technician |
| 3633-06 | Library Technician |

UNIT GROUP 3634 CULTURAL ASSOCIATE PROFESSIONALS

Cultural Associate Professionals provide support for stage and in other areas of artistic and cultural endeavour.

Tasks include:

- a) helping musicians compose songs, play musical instruments for training and performances and being a member of the orchestra;
- b) giving performances including dance, singing and acting;
- c) assisting directors and performers with the staging of theatre, motion picture, television or commercial productions;
- d) performing related tasks; and
- e) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3634)*

| | |
|---------|----------------------------|
| 3634-01 | Musician, Grade B17 |
| 3634-02 | Cultural Artist, Grade B17 |

UNIT GROUP 3639 ARTISTIC AND CULTURAL ASSOCIATE PROFESSIONALS NOT ELSEWHERE CLASSIFIED

This unit group includes Artistic and Cultural Associate Professionals Not Elsewhere Classified in Minor Group 363: Artistic and Cultural Associate Professionals.

Tasks include:

- a) assisting the director and performers in theatre, motion picture, television or commercial production;
- b) carrying out related tasks; and
- c) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3639)*

| | |
|---------|----------------------------------|
| 3639-01 | Publication Assistant, Grade N17 |
| 3639-02 | Programme Producer, Grade B17 |
| 3639-04 | Special Effects Technician |
| 3639-05 | Lighting Technician |

MINOR GROUP 364 CULINARY ASSOCIATE PROFESSIONALS

Culinary Associate Professionals combine creative and technical skills in the creation of menus, preparation and presentation of food.

UNIT GROUP 3641 CHEFS

Chefs plan menus, cook and create dishes in hotels, restaurants and other eating places, on board ships, on passenger trains and in private households.

Tasks include:

- a) planning and developing recipes and menus, estimating food and labour costs, and ordering food supplies;
- b) monitoring quality of dishes at all stages of preparation and presentation;
- c) discussing food preparation issues with managers, dieticians and kitchen staff;
- d) instructing cooks and other workers in the preparation, cooking, garnishing and presentation of food;
- e) supervising preparation and cooking of food, and instructing cooks as required;
- f) preparing special dishes and inventing recipes;
- g) testing cooked food by tasting or smelling it;
- h) requisitioning or purchasing food supplies and kitchen equipment as necessary and checking them for quality and quantity;
- i) performing related tasks; and
- j) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: ([refer to index; unit group 3641](#))

| | |
|---------|---|
| 3641-01 | Assistant Food Preparation Officer, Grade C27 |
| 3641-02 | Chef de Cuisine |
| 3641-03 | Executive Chef |
| 3641-04 | Sous Chef |

SUB-MAJOR 37 REGULATORY GOVERNMENT ASSOCIATE PROFESSIONALS

Regulatory Government Associate Professionals assist regulatory body professionals in administering, enforcing or applying relevant government rules and regulations relating to national borders, taxes, social benefits, and certify or examine applications for licences or authorisation in connection with travel, exports and imports of goods, establishment of businesses, erection of buildings and other activities subject to government regulations.

MINOR GROUP 371 REGULATORY GOVERNMENT ASSOCIATE PROFESSIONALS

Regulatory Government Associate Professionals assist regulatory body professionals in administering, enforcing or applying relevant government rules and regulations relating to national borders, taxes, social benefits, and certify or examine applications for licences or authorisation in connection with travel, exports and imports of goods, establishment of businesses, erection of buildings and other activities subject to government regulations.

UNIT GROUP 3711 CUSTOMS AND BORDER INSPECTOR ASSOCIATE PROFESSIONALS

Customs and Border Inspector Associate Professionals assist in checking persons and vehicles crossing national borders to administer and enforce relevant government regulations and laws.

Tasks include:

- a) examining immigration applications, visas and passports and interviewing persons to determine eligibility for admission, residence and travel in the country;
- b) detaining persons found to be in violation of customs or immigration laws and arranging for legal action such as deportation;
- c) searching and seizing contraband or undeclared merchandise and vehicles, aircraft or boats containing such as merchandise;
- d) interpreting and explaining laws and regulations to travellers, prospective immigrants, shippers and manufacturers;
- e) collecting sample merchandise for examination, appraisal or testing; and
- f) inspecting cargo, baggage and personal articles entering or leaving the country.

Examples of the occupations classified here: (*refer to index; unit group 3711*)

| | |
|---------|------------------------------|
| 3711-01 | Customs Inspector |
| 3711-02 | Customs and Border Inspector |
| 3711-03 | Border Inspector |
| 3711-04 | Passport Checking Officer |

UNIT GROUP 3712 TAXATION AND EXCISE OFFICIAL ASSOCIATE PROFESSIONALS

Taxation and Excise Official Associate Professionals assist in examining tax returns, bills of sale and other documents to determine the type and amount of taxes, duties and other types of fees to be paid by individuals or businesses.

Tasks include:

- a) applying tax legislation to companies, partnerships, organisations and individuals;
- b) examining accounts and researching background of materials;
- c) investigating fraud;
- d) giving expert advice on taxation matters to companies, partnerships, organisations and individuals;
- e) negotiating tax settlements with taxpayers and/or accountants;
- f) reviewing the finances of a business to find out exactly how it operates;
- g) visiting business premises and meeting people face to face during investigations;

- h) reviewing in detail aspects of the business accounts to ensure that the tax law has been applied correctly;
- i) presenting a case in correspondence, and in person, with taxpayers or their professional advisers, accountants or lawyers;
- j) performing related tasks; and
- k) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3712)*

| | |
|---------|--|
| 3712-01 | Administrative Assistant (Appraiser), Grade 21 |
| 3712-02 | Tax Estimator Assistant |
| 3712-03 | Excise Assistant |
| 3712-04 | Tax Assistant |

UNIT GROUP 3713 GOVERNMENT SOCIAL BENEFIT OFFICIAL ASSOCIATE PROFESSIONALS

Government Social Benefit Official Associate Professionals assist in examining applications for government, financial or service programmes to determine eligibility and amount of benefit or appropriate services.

Tasks include:

- a) assisting in enforcing related procedure of regulations and laws on social organisations;
- b) providing social security protection through social insurance for the individual, family and society for their human rights and safety;
- c) performing related tasks; and
- d) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3713)*

| | |
|---------|----------------------------------|
| 3713-01 | Social Benefit Assistant |
| 3713-02 | Social Security Claims Assistant |
| 3713-03 | Pension Assistant |

UNIT GROUP 3714 GOVERNMENT LICENSING OFFICIAL ASSOCIATE PROFESSIONALS

Government Licensing Official Associate Professionals examine applications for licences to export or import goods, set up businesses, build houses or other structures, or to obtain passports, determine eligibility of applications for issuing licences or passports, and identify specific conditions or restrictions to be attached to licences issued.

Tasks include:

- a) interpreting and explaining related procedures, regulations and laws;
- b) advising individuals on the law and government regulations on the types of licences required and the conditions attached to the licences, and the rights and obligations of the public;
- c) examining applications and related documents and determining whether a licence shall be granted and the conditions to be attached;
- d) examining applications and approving the issue of passports;
- e) carrying out administrative tasks related to the application process, document activities, evaluation and determination, and preparation of correspondence to inform applicants of licensing decisions;
- f) carrying out the necessary tests on licence applicants; and
- g) enforcing procedures, regulations and laws.

Examples of the occupations classified here: *(refer to index; unit group 3714)*

| | |
|---------|--|
| 3714-01 | Enforcement Assistant, Grade N17 |
| 3714-02 | Executive Assistant (Enforcement), Grade L11 |
| 3714-03 | Licensing Inspector |
| 3714-04 | Licensing Assistant |

UNIT GROUP 3715 POLICE OFFICERS

Police Officers investigate, prevent and solve criminal cases.

Tasks include:

- performing police duties including patrolling to prevent crime and gathering security intelligence, apprehending, guarding, escorting offenders, controlling traffic, patrolling the seas and air to protect the nation's waters in order for the people and nation to enjoy peace and tranquillity;
- investigating alleged or suspected criminal violation of federal, state or local laws to determine if evidence is sufficient to recommend prosecution;
- preparing charges, responses to charges, or information for court cases according to formal procedures;
- taking notes, marking and photographing location of objects found, such as footprints, tyre tracks, bullets and bloodstains, and taking measurements of the scene;
- restricting or roping off the crime scene and checking the perimeter to ensure the entire area is secured; and
- seeking medical assistance for injured individuals and reminding medical personnel to take statements from them.

Examples of the occupations classified here: *(refer to index; unit group 3715)*

| | |
|---------|--|
| 3715-01 | Low-ranking officer and Constable, Grade YA1 |
| 3715-02 | Police Inspector |
| 3715-03 | Police Detective |
| 3715-04 | Police Officer |

UNIT GROUP 3716 CIVIL DEFENCE ASSOCIATE PROFESSIONALS

Civil Defence Associate Professionals supervise and investigate civil cases by enforcing laws procedures and regulations.

Tasks include:

- carrying out intelligence tasks in assisting the Malaysian Armed Forces;
- enforcing procedures of related regulations and laws;
- investigating fraud; and
- supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 3716)*

| | |
|---------|--------------------------------------|
| 3716-01 | Civil Defence Assistant, Grade KP17 |
| 3716-02 | Civilian Liaison Officer, Grade KP19 |
| 3716-03 | Civil Service Inspector |
| 3716-04 | Government Administration Inspector |

UNIT GROUP 3719 REGULATORY GOVERNMENT ASSOCIATE PROFESSIONALS NOT ELSEWHERE CLASSIFIED

This unit group covers Regulatory Government Associate Professionals Not Elsewhere Classified in Minor Group 371: Regulatory Government Associate Professionals.

Tasks include:

- a) interpreting and explaining related procedures regulation and laws;
- b) preventing and enforcing abuse of power;
- c) investigating fraud;
- d) enforcing procedures, regulations and laws;
- e) registering job seekers, advising / counselling about job opportunities, renewing registration, providing data on job vacancies in the register of employers as well as conducting progress visits to newly approved employers / enterprises;
- f) processing applications for Identity Card, Birth Certificate, Death Certificate, Adoption Certificate, Citizenship Certificate, Marriage and Divorce Certificates and Certificate of Amendment of Details and other related tasks; and
- g) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 3719)*

| | |
|---------|---|
| 3719-01 | Industrial Relations Assistant, Grade S17 |
| 3719-02 | Registration Assistant, Grade KP17 |
| 3719-04 | Price Inspector |
| 3719-05 | Fire and Safety Inspector |



41 OFFICE CLERKS**411 GENERAL OFFICE CLERKS**

4111 General Office Clerks

412 SECRETARIES (GENERAL)

4121 Secretaries (General)

413 KEYBOARD OPERATORS

4131 Typist and Word Processor Operators

4132 Data Entry Clerks

42 CUSTOMER SERVICES CLERKS**421 TELLERS, MONEY COLLECTORS AND RELATED CLERKS**

4211 Bank Tellers and Related Clerks

4212 Bookmakers, Croupiers and Related Gaming Workers

4213 Pawnbrokers and Money-Lenders

4214 Debt and Rent Collectors and Related Workers

422 CLIENT INFORMATION WORKERS

4221 Travel Consultants and Related Clerks

4222 Contact/ Call Centre Information Clerks

4223 Telephone Switchboard Operators

4224 Receptionists

4225 Enquiry Clerks

4226 Survey and Market Research Interviewers

4229 Client Information Workers Not Elsewhere Classified



43 NUMERICAL AND MATERIAL RECORDING CLERKS

431 NUMERICAL CLERKS

- 4311 Accounting and Book-keeping Clerks
- 4312 Statistical, Finance and Insurance Clerks
- 4313 Payroll Clerks

432 MATERIAL - RECORDING AND TRANSPORT CLERKS

- 4321 Stock Clerks
- 4322 Production Clerks
- 4323 Transport Clerks

44 OTHER CLERICAL SUPPORT WORKERS

441 OTHER CLERICAL SUPPORT WORKERS

- 4411 Library Clerks
- 4412 Mail Carriers and Sorting Clerks
- 4413 Coding, Proof-Reading and Related Clerks
- 4414 Scribes and Related Workers
- 4415 Filing and Copying Clerks
- 4416 Personnel Clerks
- 4419 Clerical Support Workers Not Elsewhere Classified

SUB-MAJOR GROUP

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- 41. OFFICE CLERKS
- 42. CUSTOMER SERVICES CLERKS
- 43. NUMERICAL AND MATERIAL RECORDING CLERKS
- 44. OTHER CLERICAL SUPPORT WORKERS

Major Group 4 CLERICAL SUPPORT WORKERS

Description

Record, organise, store and retrieve related information and perform clerical duties especially in connection with administrative operations, handling of money, travel arrangements and requests for information and appointments

Skill Level

Most occupations in this major group require skills at the second level

SUB-MAJOR 41 OFFICE CLERKS

Office Clerks record, organise, store and retrieve related information and perform a range of clerical and administrative tasks according to established procedures.

MINOR GROUP 411 GENERAL OFFICE CLERKS

General Office Clerks perform a range of clerical and administrative tasks according to established procedures.

UNIT GROUP 4111 GENERAL OFFICE CLERKS

General Office Clerks perform a range of clerical and administrative tasks according to established procedures.

Tasks include:

- a) carrying out clerical duties including maintenance of files / documents, calculations, preparation of monthly reports and statistical reports;
- b) recording, preparing, sorting, classifying and filing information;
- c) sorting, opening and sending mail;
- d) photocopying and faxing documents;
- e) preparing reports of a routine nature;
- f) recording issue of equipment to staff;
- g) responding to telephone or electronic enquiries or forwarding them to appropriate persons;
- h) assisting in customer service tasks;
- i) performing related tasks; and
- j) supervising, scheduling and monitoring the tasks of other workers.

Example of the occupations classified here: *(refer to index; unit group 4111)*

| | |
|---------|--|
| 4111-01 | Administrative Assistant(Clerical/ Operation), Grade N17 |
| 4111-02 | Land Administrative Assistant, Grade N17 |
| 4111-09 | General Office Clerk |
| 4111-10 | Office Clerk |

MINOR GROUP 412 SECRETARIES (GENERAL)

Secretaries (General) use typewriters, personal computers or other word-processing equipment to transcribe correspondence and other documents, check and format documents prepared by other staff, deal with incoming and outgoing mail, screen requests for meetings or appointments, and perform a variety of administrative support tasks.

UNIT GROUP 4121 SECRETARIES (GENERAL)

Secretaries (General) use typewriters, personal computers or other word-processing equipment to transcribe correspondence and other documents, check and format documents prepared by other staff, deal with incoming and outgoing mail, screen requests for meetings or appointments, and perform a variety of administrative support tasks.

Tasks include:

- a) checking, formatting and transcribing correspondence, minutes and reports from dictation, electronic documents or written drafts to conform to office standards using the typewriter or other word processing equipment;
- b) using various computer software packages including spreadsheets to provide administrative support;
- c) dealing with incoming or outgoing mail;
- d) checking, recording and distributing mail, correspondence and documents;
- e) screening requests for meetings or appointments and helping to organise meetings;
- f) screening and recording leave and other staff members' entitlements;
- g) organising and supervising filing systems;
- h) dealing with routine correspondence;
- i) taking shorthand, typing and managing file movement;
- j) performing related tasks; and
- k) supervising, scheduling and monitoring the tasks of other workers.

Example of the occupations classified here: (*refer to index; unit group 4121*)

| | |
|---------|---|
| 4121-01 | Office Secretary, Grade N27 |
| 4121-02 | Office Secretarial Assistant, Grade N17 |
| 4121-06 | Secretarial Administrative Assistant |
| 4121-07 | Administrative Assistant (Secretarial) |

MINOR GROUP 413 KEYBOARD OPERATORS

Keyboard Operators input and process text and data, and prepare, edit and generate documents for storage, process, publication and transmission.

UNIT GROUP 4131 TYPISTS AND WORD PROCESSOR OPERATORS

Typists and Word Processor Operators type, edit and print using a typewriter, personal computer or other word processor, and record oral or written matter in shorthand.

Tasks include:

- a) typing written material from rough drafts, corrected copies, voice recordings or shorthand using a computer, word processor or typewriter;
- b) checking completed work to ensure correct spelling, grammar, punctuation and formatting;
- c) gathering and arranging the material to be typed following instructions;
- d) filing and storing completed documents on computer hard drive or disk, or maintaining a computer filing system to store, retrieve or update documents;
- e) taking dictation and recording other matters in shorthand;

- f) photocopying and answering telephone calls or receiving clients;
- g) transcribing information recorded in shorthand and on sound recording equipment;
- h) performing related tasks; and
- i) supervising, scheduling and monitoring the tasks of other workers.

Example of the occupations classified here: *(refer to index; unit group 4131)*

| | |
|---------|--------------------|
| 4131-01 | Typist |
| 4131-02 | Stenographer |
| 4131-03 | Statistical Typist |
| 4131-04 | Shorthand Typist |

UNIT GROUP 4132 DATA ENTRY CLERKS

Data Entry Clerks enter codes, statistical, financial and other numerical data into electronic equipment, computerised databases, spreadsheets or other data repositories using a keyboard, mouse or optical scanner, or other data entry tools. They enter data into mechanical and electronic devices to perform mathematical calculations.

Tasks include:

- a) receiving and registering invoices, forms, records and other documents for data capture;
- b) entering numerical and other data from source material into storage and processing devices;
- c) checking, correcting and updating entered data, if needed;
- d) performing bookkeeping and operating calculating machine;
- e) establishing/storing fingerprint data and files and preparing and typing correspondence relating to fingerprints received;
- f) performing related tasks; and
- g) supervising, scheduling and monitoring the tasks of other workers.

Example of the occupations classified here: *(refer to index; unit group 4132)*

| | |
|---------|---------------------------------|
| 4132-01 | Fingerprint Examiner, Grade N17 |
| 4132-02 | Index Clerk |
| 4132-03 | Records Clerk |
| 4132-04 | Data Input Clerk |

SUB-MAJOR 42 CUSTOMER SERVICES CLERKS

Customer Services Clerks deal with clients in money-handling operations, travel arrangements, requests for information, making appointments and operating telephone switchboards, and interviews for surveys or to complete applications for eligibility for services.

MINOR GROUP 421 TELLERS, MONEY COLLECTORS AND RELATED CLERKS

Tellers, Money Collectors and Related Clerks perform money-handling operations in establishments related with banking, postal services, betting or gambling, pawning and debt-collecting.

UNIT GROUP 4211 **BANK TELLERS AND RELATED CLERKS**

Bank Tellers and Related Clerks deal directly with clients of banks or post offices in matters related to receiving, changing and paying out money, or providing mail services.

Tasks include:

- a) processing customer cash deposits and withdrawals, cheques, transfers, bills, credit card payments, money orders, certified cheques and other related banking transactions;
- b) paying bills and making money transfers on clients' behalf;
- c) crediting and debiting clients' accounts;
- d) exchanging currency as requested by clients;
- e) making records of all transactions and reconciling them with the cash balance;
- f) receiving mail, selling postage stamps and conducting other post office counter business such as bill payments, money transfers and related business;
- g) performing related tasks; and
- h) supervising, scheduling and monitoring the tasks of other workers.

Example of the occupations classified here: (*refer to index; unit group 4211*)

| | |
|---------|--------------------|
| 4211-01 | Postal Clerk |
| 4211-02 | Bank Teller |
| 4211-03 | Cash Counter Clerk |
| 4211-04 | Money Changer |

UNIT GROUP 4212 **BOOKMAKERS, CROUPIERS AND RELATED GAMING WORKERS**

Bookmakers, Croupiers and Related Gaming Workers run the games, deal cards, collect bets, pay winners of bets, gambling, games and the like.

Tasks include:

- a) determining risks to decide odds and to hedge or refuse bets;
- b) preparing and issuing lists of approximate odds;
- c) dealing cards or slips, throwing dice or spinning the roulette wheel;
- d) explaining and interpreting the operating rules of a gambling establishment;
- e) announcing winning numbers, paying winners and collecting payments from losers;
- f) performing related tasks; and
- g) supervising, scheduling and monitoring the tasks of other workers.

Example of the occupations classified here: (*refer to index; unit group 4212*)

| | |
|---------|-----------------------|
| 4212-01 | Betting Counter Clerk |
| 4212-02 | Bookmaker's Clerk |
| 4212-03 | Croupier |
| 4212-04 | Casino Clerk |

UNIT GROUP 4213 PAWNBROKERS AND MONEY-LENDERS

Pawnbrokers and Money-Lenders lend money against articles deposited as pledges, or against property or other security.

Tasks include:

- a) evaluating articles offered as pledges, calculating interest and lending money;
- b) returning articles when the loan is paid or, in the event of non-payment, selling pledged articles;
- c) lending money as personal loan against future revenue and other similar undertakings;
- d) making independent investigations into creditors' financial standing to determine risk in giving loan;
- e) collecting repayments in accordance with agreed terms;
- f) performing related tasks; and
- g) supervising, scheduling and monitoring the tasks of other workers.

Example of the occupations classified here: *(refer to index; unit group 4213)*

| | |
|---------|--------------|
| 4213-01 | Pawnbroker |
| 4213-02 | Money-Lender |

UNIT GROUP 4214 DEBT AND RENT COLLECTORS AND RELATED WORKERS

Debt and Rent Collectors and Related Workers collect rent, payments on overdue accounts and bad cheques, and collect donations for charity.

Tasks include:

- a) communicating with customers via telephone or letter to collect money or arrange payment at a later date;
- b) finding the address of clients and calling on them to collect debts;
- c) recording the amount of money collected;
- d) recommending legal action or initiating seizure of merchandise if payment is not obtained;
- e) asking for and collecting donations;
- f) performing related tasks; and
- g) supervising, scheduling and monitoring the tasks of other workers.

Example of the occupations classified here: *(refer to index; unit group 4214)*

| | |
|---------|-------------------|
| 4214-01 | Payment Collector |
| 4214-02 | Bill Collector |
| 4214-03 | Charity Collector |
| 4214-04 | Debt Collector |

MINOR GROUP 422 CLIENT INFORMATION WORKERS

Client Information Workers provide or obtain information directly from customers via telephone or electronic means such as e-mail related to making travel arrangements, describing the products or services of the organisation, registering staying guests, greeting visitors, making appointments, connecting telephone calls and interviewing respondents in a survey.

UNIT GROUP 4221 TRAVEL CONSULTANTS AND RELATED CLERKS

Travel Consultants and Related Clerks supply information, arrange travel itineraries, make travel and accommodation reservations and organise group tours.

Tasks include:

- a) obtaining information about the cost and convenience of different types of transport and accommodation, ascertaining customers' requirements and advising them on travel arrangements;
- b) preparing itineraries;
- c) making and confirming reservations;
- d) issuing tickets and vouchers;
- e) helping customers in obtaining the necessary travel documents such as visas;
- f) preparing bills and receiving payments;
- g) organising group tours;
- h) performing related tasks; and
- i) supervising, scheduling and monitoring the tasks of other workers.

Example of the occupations classified here: *(refer to index; unit group 4221)*

| | |
|---------|---------------------|
| 4221-01 | Travel Consultant |
| 4221-02 | Travel Coordinator |
| 4221-03 | Travel Agency Clerk |
| 4221-04 | Booking Clerk |

UNIT GROUP 4222 CONTACT/ CALL CENTRE INFORMATION CLERKS

Contact/ Call Centre Information Clerks provide advice and information to clients, respond to clients' queries regarding an organisation's goods, services or policies and process financial transactions via telephone or electronic communications media such as e-mail. They are located in premises that may be far from clients.

Tasks include:

- a) taking charge of incoming calls and messages from clients either responding to queries, handling calls about services or sorting complaints;
- b) issuing invoices or handling payments, if necessary;
- c) sending letters, information sheets and other documents to clients;
- d) advising clients of additional products or services;
- e) dealing with telephone requests for information or appointments;
- f) directing clients or patients to the appropriate location or person;
- g) taking any form of complaint or feedback from customers which is related to organisational operation and services;
- h) performing related tasks; and
- i) supervising, scheduling and monitoring the tasks of other workers.

Example of the occupations classified here: *(refer to index; unit group 4222)*

| | |
|---------|----------------------------------|
| 4222-01 | Information Assistant, Grade S17 |
| 4222-02 | Appointment Clerk |
| 4222-03 | Customer Service Supervisor |
| 4222-04 | Call Centre Clerk |

UNIT GROUP 4223 TELEPHONE SWITCHBOARD OPERATORS

Telephone Switchboard Operators operate telephone switchboards and consoles to establish telephone connections, receive caller inquiries and service problem reports, and record and deliver messages to staff or clients.

Tasks include:

- a) operating switchboards and consoles to connect, hold, transfer and disconnect telephone calls;
- b) connecting outgoing calls;
- c) dealing with telephone inquiries and recording messages;
- d) forwarding messages to staff or clients;
- e) investigating operating system problems and informing about repair services;
- f) receiving and connecting incoming and outgoing calls of all staff, making reports on damages and listing trunk calls made by staff;
- g) performing related tasks; and
- h) supervising, scheduling and monitoring the tasks of other workers.

Example of the occupations classified here: ([refer to index](#); [unit group 4223](#))

| | |
|---------|--|
| 4223-01 | Telecommunications Service Operator |
| 4223-02 | Private Branch Exchange Telephone Operator |
| 4223-03 | Telephone Exchange Telephone Operator |
| 4223-04 | Telephonist |

UNIT GROUP 4224 RECEPTIONISTS

Receptionists receive and welcome visitors, clients, guests or patients and respond to queries and requests including arranging appointments as well as provide information on hotel or organisational services.

Tasks include:

- a) receiving and welcoming visitors, guests, clients or patients;
- b) making appointments for clients or patients;
- c) handling telephone requests for information or appointments;
- d) compiling and checking guest accounts for changes using a computerised or manual system;
- e) receiving and forwarding messages in person or by telephone or telephone switchboard;
- f) maintaining an inventory of rooms available for occupancy, handling reservations and assigning rooms;
- g) registering new guests, assigning rooms, verifying customer credit and handing over room keys;
- h) providing information about facilities available and making room reservations;
- i) responding to guests' requests for housekeeping and maintenance services as well as complaints;
- j) reviewing statements of charges to departing guests and receiving payment;
- k) supplying information pamphlets, brochures or forms;
- l) performing related tasks; and
- m) supervising, scheduling and monitoring the tasks of other workers.

Example of the occupations classified here: ([refer to index](#); [unit group 4224](#))

| | |
|---------|------------------------|
| 4224-01 | Receptionist |
| 4224-02 | Medical Receptionist |
| 4224-03 | Dental Receptionist |
| 4224-04 | Telephone Receptionist |

UNIT GROUP 4225 ENQUIRY CLERKS

Enquiry Clerks respond to personal, written, electronic mail and telephone queries and complaints about the organisation's goods, services and policies, provide information and refer people to other sources. They are assigned to locations which place them in direct contact with clients.

Tasks include:

- a) handling telephone calls efficiently;
- b) providing information about the services offered by the agency, and assisting customers / guests in settling issues arising;
- c) recording and tracking complaints until conclusion of the matter and notifying customers / guests from time to time of the progress in settling their complaints;
- d) answering queries about services and policies and providing information facilities available, location, price and related issues;
- e) receiving, attending to and recording information about queries and complaints;
- f) referring complex queries to team leaders or expert advisers;
- g) issuing relevant forms, information kits and brochures to interested parties;
- h) attending to counter duties and general queries;
- i) performing related tasks; and
- j) supervising, scheduling and monitoring the tasks of other workers.

Example of the occupations classified here: (*refer to index; unit group 4225*)

| | |
|---------|--|
| 4225-01 | Administrative Assistant (Customer Services), Grade 21 |
| 4225-02 | Customer Service Officer, Grade N17 |
| 4225-03 | Customer-Complaints Clerk |
| 4225-04 | Counter Enquiries Clerk |

UNIT GROUP 4226 SURVEY AND MARKET RESEARCH INTERVIEWERS

Survey and Market Research Interviewers interview people and record their responses to survey and market research questions on a range of topics.

Tasks include:

- a) contacting individuals by telephone or in person and explaining the purpose of the interview;
- b) interviewing the public for opinions on topics such as public or consumer issues;
- c) asking questions in accordance with the guideline on questionnaires and surveys;
- d) recording responses on paper or entering responses directly into a computer database;
- e) performing related tasks; and
- f) supervising, scheduling and monitoring the tasks of other workers.

Example of the occupations classified here: (*refer to index; unit group 4226*)

| | |
|---------|-----------------------------|
| 4226-01 | Market Research Interviewer |
| 4226-02 | Public Opinion Interviewer |
| 4226-03 | Survey Interviewer |

UNIT GROUP 4229 CLIENT INFORMATION WORKERS NOT ELSEWHERE CLASSIFIED

This unit group includes Client Information Workers Not Elsewhere Classified in Minor Group 422: Client Information Workers

Tasks include:

- a) interviewing patients to obtain and process information required to provide hospital services;
- b) interviewing applicants for public assistance to gather information related to their application;
- c) verifying the accuracy of information provided;
- d) initiating procedures to grant, modify, deny or terminate assistance;
- e) providing information and answering questions concerning benefits and claim procedures;
- f) referring patients or applicants to other organisations if they are ineligible for services;
- g) performing related tasks; and
- h) supervising, scheduling and monitoring the tasks of other workers.

Example of the occupations classified here: (*refer to index; unit group 4229*)

| | |
|---------|---------------------------|
| 4229-01 | Hospital Admissions Clerk |
| 4229-02 | Eligibility Interviewer |
| 4229-03 | Eligibility Specialist |

SUB-MAJOR 43 NUMERICAL AND MATERIAL RECORDING CLERKS

Numerical and Material Recording Clerks receive, compile and compute accounting, bookkeeping, statistical, financial and other numerical data, and take charge of cash transactions incidental to business matters. Some occupations classified here keep records of goods produced, purchased, stocked, dispatched, and of materials needed at specified production dates, or keep records of operational aspects and coordinate the timing of passenger and freight transport.

MINOR GROUP 431 NUMERICAL CLERKS

Numerical Clerks receive, compile and compute accounting, bookkeeping, statistical, financial and other numerical data, and take charge of cash transactions incidental to business matters.

UNIT GROUP 4311 ACCOUNTING AND BOOK-KEEPING CLERKS

Accounting and Book-Keeping Clerks compute, classify and record numerical data to keep complete financial records. They perform any combination of routine calculating, notification and verifying duties to obtain primary financial data for use in management of accounting records.

Tasks include:

- a) checking figures, notification and documents for correct information, mathematical accuracy and proper codes;
- b) operating computers programmed with accounting software to record, store, and analyse information;
- c) classifying, recording and summarising numerical and financial data to compile and keep financial records using journals and ledgers or computers;
- d) calculating, preparing and issuing bills, invoices, account statements and other financial statements according to established procedures;
- e) compiling statistical, financial, accounting or audit reports and tables pertaining to such matters as cash receipts, expenditures, payable and receivable accounts, and profits and losses;
- f) performing related tasks; and
- g) supervising, scheduling and monitoring the tasks of other workers.

Example of the occupations classified here: (*refer to index; unit group 4311*)

| | |
|---------|---|
| 4311-01 | Administrative Assistant (Accounting), Grade 21 |
| 4311-02 | Executive Assistant (Accounting), Grade 3 |
| 4311-03 | Ledger Clerk |
| 4311-04 | Book-Keeping Machine Clerk |

UNIT GROUP 4312 STATISTICAL, FINANCE AND INSURANCE CLERKS

Statistical, Finance and Insurance Clerks obtain, compile and compute statistical or actuarial data or perform clerical tasks related to the transactions of insurance, bank and other financial establishments.

Tasks include:

- a) obtaining and compiling statistical or actuarial data based on routine or special sources of information;
- b) preparing and updating the annual budget;
- c) managing and controlling allocation;
- d) maintaining records and prepare expenditure reports;

- e) calculating totals, averages, percentages and other details and presenting them in tabular form as required;
- f) preparing financial documents and calculating interest or brokerage charges and stamp duties payable;
- g) maintaining records of bonds, shares and other securities bought or sold on behalf of clients or the employer;
- h) preparing samples, questionnaires, collecting data and preparing the census report;
- i) performing related tasks; and
- j) supervising, scheduling and monitoring the tasks of other workers.

Example of the occupations classified here: *(refer to index; unit group 4312)*

| | |
|---------|---|
| 4312-01 | Administrative Assistant (Finance), Grade W17 |
| 4312-02 | Executive Assistant (Finance), Grade 3 |
| 4312-03 | Statistical Clerk |
| 4312-04 | Social and Economic Data Enumerator |

UNIT GROUPS 4313 PAYROLL CLERKS

Payroll Clerks collect, verify and process payroll information and compute wages and benefit eligibility for employees in a department, company or other establishment.

Tasks include:

- a) managing records of employee attendance, leave and overtime to calculate wages and benefit eligibility using manual or computerised systems;
- b) preparing and verifying statements of earnings of employees, indicating gross and net salaries and deductions such as taxes, union dues, garnishments and insurance and pension plans;
- c) preparing employee payments and benefit payments by cheque or electronic transfer;
- d) reviewing time sheets, work charts, wage computation and other information to detect and reconcile payroll discrepancies;
- e) verifying attendance, hours worked, and pay adjustments, and entering information into designated records;
- f) performing related tasks; and
- g) supervising, scheduling and monitoring the tasks of other workers.

Example of the occupations classified here: *(refer to index; unit group 4313)*

| | |
|---------|-------------------|
| 4313-01 | Payroll Clerk |
| 4313-02 | Wages Clerk |
| 4313-03 | Paymaster |
| 4313-04 | Payroll Processor |

MINOR GROUP 432 MATERIAL-RECORDING AND TRANSPORT CLERKS

Material-Recording and Transport Clerks keep records of goods produced, purchased, stocked, dispatched and of materials needed at specified production dates, or keep records of operational aspects and coordinate the timing of passenger and freight transport.

UNIT GROUP 4321 STOCK CLERKS

Stock Clerks maintain records of goods produced and production materials received, weighed, issued, dispatched or kept in stock.

Tasks include:

- a) arranging and controlling receipt and dispatch of goods and keeping relevant records;
- b) maintaining stock records, verifying issue of goods, estimating needs and making requisitions for new stocks;
- c) receiving, storing and issuing tools, spare parts or various equipment and maintaining relevant records;
- d) weighing goods received, issued, produced or dispatched and maintaining relevant records;
- e) maintaining an inventory of furniture and other items received for storage;
- f) performing related tasks; and
- g) supervising, scheduling and monitoring the tasks of other workers.

Example of the occupations classified here: *(refer to index; unit group 4321)*

| | |
|---------|--------------------|
| 4321-01 | Raw Material Clerk |
| 4321-02 | Supply Clerk |
| 4321-03 | Warehouse Clerk |
| 4321-04 | Receiving Clerk |

UNIT GROUP 4322 PRODUCTION CLERKS

Production Clerks compute and ensure goods/operations are available on specified dates, and prepare and check production operation schedules.

Tasks include:

- a) examining customers' orders for goods and services;
- b) computing quantities, qualities and types of materials required for production;
- c) preparing production schedules, ensuring materials are available when needed and keeping related records;
- d) preparing or assisting in preparing production schedules based on customers' orders and production capacity;
- e) verifying stocks, arranging deliveries and investigating delays;
- f) performing related tasks; and
- g) supervising, scheduling and monitoring the tasks of other workers.

Example of the occupations classified here: *(refer to index; unit group 4322)*

| | |
|---------|---------------------------|
| 4322-01 | Clerk, Production |
| 4322-02 | Clerk, Production Control |
| 4322-03 | Clerk, Operation |
| 4322-04 | Clerk, Plantation |

UNIT GROUP 4323 TRANSPORT CLERKS

Transport Clerks keep records of operational aspects and coordinate the timing of rail, road, air and waterborne passenger and freight transport, and prepare reports for the management.

Tasks include:

- a) keeping record of operational aspects and coordinating the timing of passenger and freight transport;
- b) directing train routes within a division or zone of a railway system and keeping related records;
- c) directing, controlling and keeping records of freight handling at the rail yard;
- d) coordinating and keeping records of operational activities concerning road transport such as allocation and scheduling of vehicles and drivers, loading and unloading of vehicles and storage of goods in transit;
- e) coordinating and keeping records of operational activities concerning air and water transport of passengers and freight such as passenger lists and freight manifests;
- f) preparing reports for the management;
- g) performing related tasks; and
- h) supervising, scheduling and monitoring the tasks of other workers.

Example of the occupations classified here: ([refer to index; unit group 4323](#))

| | |
|---------|-------------------------|
| 4323-01 | Logistics Clerk |
| 4323-02 | Transport Clerk |
| 4323-03 | Claims Clerk, Transport |
| 4323-04 | Control Clerk, Train |

SUB-MAJOR 44 **OTHER CLERICAL SUPPORT WORKERS**

Other Clerical Support Workers perform clerical duties in newspaper companies, courts, libraries and post offices, file documents, prepare information for processing, maintain personnel records, check material to ensure consistency with original source and write on behalf of illiterate persons.

MINOR GROUP 441 **OTHER CLERICAL SUPPORT WORKERS**

Other Clerical Support Workers perform clerical duties in newspaper companies, courts, libraries and post offices, file documents, prepare information for processing, check material to ensure consistency with original source, maintain personnel records and write on behalf of illiterate persons.

UNIT GROUP 4411 **LIBRARY CLERKS**

Library Clerks issue and receive library materials, sort and organise books on shelves and provide general library information to users.

Tasks include:

- a) issuing and receiving library books and other materials;
- b) reshelving books and other library materials;
- c) performing clerical activities such as manual and electronic filing, word processing and typing;
- d) maintaining journal subscriptions;
- e) assisting library users in accessing basic library materials and making inter-library loans;
- f) maintaining library records related to the acquisition, issue and return of books and other publications;
- g) performing related tasks; and
- h) supervising, scheduling and monitoring the tasks of other workers.

Example of the occupations classified here: ([refer to index; unit group 4411](#))

| | |
|---------|--|
| 4411-01 | Administrative Assistant (Library), Grade 21 |
| 4411-02 | Executive Assistant (Library), Grade 3 |
| 4411-03 | Library Clerk |
| 4411-04 | Library File Compiler |

UNIT GROUP 4412 **MAIL CARRIERS AND SORTING CLERKS**

Mail Carriers and Sorting Clerks sort, record, deliver and perform other duties related to mail services from post offices or related organisations as well as from within an establishment.

Tasks include:

- a) performing mail-handling duties in post offices;
- b) sorting and delivering mail to private houses and elsewhere;
- c) sorting and keeping simple records of incoming and outgoing correspondence and dispatching outgoing mail in various establishments;
- d) serving summonses on the defendant and obtaining recipient's signature;
- e) performing related tasks; and
- f) supervising, scheduling and monitoring the tasks of other workers

Example of the occupations classified here: ([refer to index; unit group 4412](#))

| | |
|---------|--------------------------|
| 4412-01 | Postman/ woman |
| 4412-02 | Clerk, Mail Dispatch |
| 4412-03 | Assistant, Mail Dispatch |
| 4412-04 | Process Server |

UNIT GROUP 4413 CODING, PROOF-READING AND RELATED CLERKS

Coding, Proof-Reading and Related Clerks convert information into codes, verify and correct proofs and perform various clerical duties.

Tasks include:

- a) converting information into codes and classifying information by codes for data processing purposes;
- b) comparing proofs of texts and related material prepared for printing with original material, correcting errors and marking texts for printer in accordance with the requirements set;
- c) sorting forms and marking them with identification numbers;
- d) sorting documents for filing or to collate sets of pages;
- e) internal proof-reading for printing, supervising printing work, compilation and binding;
- f) performing related tasks; and
- g) supervising, scheduling and monitoring the tasks of other workers.

Example of the occupations classified here: *(refer to index; unit group 4413)*

| | |
|---------|-------------------------------|
| 4413-01 | Proof-Reader Clerk |
| 4413-02 | Coding Clerk, Data Processing |
| 4413-03 | Coding Clerk, Statistics |
| 4413-04 | Publication Clerk |

UNIT GROUP 4414 SCRIBES AND RELATED WORKERS

Scribes and Related Workers write letters and complete forms on behalf of illiterate persons.

Tasks include:

- a) reading letters and other written matter to illiterate persons and providing the necessary interpretation and information;
- b) writing letters and completing forms on behalf of illiterate persons;
- c) offering advice to individuals and interpreting and helping with the completion of government and other official forms;
- d) performing related tasks; and
- e) supervising, scheduling and monitoring the tasks of other workers.

Example of the occupations classified here: *(refer to index; unit group 4414)*

| | |
|---------|-----------------|
| 4414-01 | Petition Writer |
| 4414-02 | Public Writer |
| 4414-03 | Scribe |

UNIT GROUP 4415 FILING AND COPYING CLERKS

Filing and Copying Clerks file correspondence, cards, invoices, receipts and other records in alphabetical or numerical order or according to the filing system used. They locate and remove material from file when requested and photocopy, scan or fax documents.

Tasks include:

- a) sorting or classifying materials according to guidelines such as content, purpose, user criteria, or chronological, alphabetical or numerical order;
- b) filing material in drawers, cabinets and storage boxes;
- c) locating and removing materials from files when requested;
- d) keeping records of materials filed and removed;
- e) photocopying, scanning or faxing documents and other records;
- f) performing related tasks; and
- g) supervising, scheduling and monitoring the tasks of other workers.

Example of the occupations classified here: *(refer to index; unit group 4415)*

| | |
|---------|------------------------------|
| 4415-01 | Clerk, Filing |
| 4415-02 | Clerk, Directory Compilation |
| 4415-03 | Compiler, Directory |
| 4415-04 | Clerk, Photocopying |

UNIT GROUP 4416 PERSONNEL CLERKS

Personnel Clerks maintain and update personnel records such as information on transfers and promotions, performance evaluations, employee leave taken and accumulated, salaries, qualifications and training.

Tasks include:

- a) updating information on employment history, salaries, performance evaluations, training and leave taken and accumulated;
- b) initiating records for newly appointed workers and checking records to ensure they are complete;
- c) processing applications for employment and promotions and advising applicants of their application results;
- d) receiving and answering queries about qualifications and employment conditions;
- e) handling the advertisement for job applications and announcements of job openings and job examinations;
- f) maintaining and updating the manual and computerised filing and registration systems, and compiling and preparing reports and documents relating to personnel activities;
- g) storing and retrieving personnel records and files on request;
- h) performing related tasks; and
- i) supervising, scheduling and monitoring the tasks of other workers.

Example of the occupations classified here: *(refer to index; unit group 4416)*

| | |
|---------|--------------------------|
| 4416-01 | Clerk, Employment |
| 4416-02 | Clerk, General Affairs |
| 4416-03 | Clerk, Personnel |
| 4416-04 | Clerk, Personnel Records |

UNIT GROUP 4419 CLERICAL SUPPORT WORKERS NOT ELSEWHERE CLASSIFIED

This unit group covers Clerical Support Workers Not Elsewhere Classified in Minor Group 441: Other Clerical Support Workers.

Tasks include:

- a) assisting in the preparation of periodicals, advertisements, catalogues and other materials for publication;
- b) assisting in economic management and marketing on the basis of the units that have been placed and the tasks from superiors;
- c) assisting in the teaching of theory and practical in one of the fields such as food preparation / food technology / waiters, captains and supervisors of food / clothes making and garment cutting / sewing / furniture carving;
- d) performing related tasks; and
- e) supervising, scheduling and monitoring the tasks of other workers.

Example of the occupations classified here: *(refer to index; unit group 4419)*

| | |
|---------|---------------------------------------|
| 4419-01 | Economic Affairs Assistant, Grade E17 |
| 4419-02 | Training Assistant, Grade E17 |
| 4419-06 | Clerk, Sales |
| 4419-07 | Clerk, Marketing |



5

SERVICE AND SALES WORKERS



51 PERSONAL SERVICES WORKERS**511 TRAVEL ATTENDANTS, CONDUCTORS AND GUIDES**

- 5111 Travel Attendants and Travel Stewards
- 5112 Transport Conductors
- 5113 Travel Guides

512 COOKS

- 5121 Cooks

513 WAITERS AND BARTENDERS

- 5131 Waiters
- 5132 Bartenders

514 HAIRDRESSERS, BEAUTICIANS AND RELATED WORKERS

- 5141 Hairdressers
- 5142 Beauticians and Related Workers

515 BUILDING AND HOUSEKEEPING SUPERVISORS

- 5151 Cleaning and Housekeeping Supervisors in Offices, Hotels and Other Establishments
- 5152 Domestic Housekeepers
- 5153 Building Caretakers

516 OTHER PERSONAL SERVICES WORKERS

- 5161 Astrologers, Fortune-Tellers and Related Workers
- 5162 Companions and Valets
- 5163 Undertakers and Embalmers
- 5164 Pet Groomers and Animal Care Workers
- 5165 Driving Instructors
- 5169 Personal Services Workers Not Elsewhere Classified

52 SALES WORKERS**521 STREET AND MARKET SALESPERSON**

- 5211 Stall and Market Salespersons
- 5212 Street Food Salespersons



522 SHOP SALESPERSONS

- 5221 Shopkeepers
- 5222 Shop Supervisors
- 5223 Shop Sales Assistants

523 CASHIERS AND TICKET CLERKS

- 5231 Cashiers and Ticket Clerks

524 OTHER SALES WORKERS

- 5241 Fashion and Other Models
- 5242 Sales Demonstrators
- 5243 Door-to-Door Salespersons
- 5244 Contact Centre Salespersons
- 5245 Service Station and Pump Attendants
- 5246 Food Counter Attendants
- 5249 Sales Workers Not Elsewhere Classified

53 EDUCATION AND SOCIAL SERVICES WORKERS

531 CHILD CARE WORKERS AND TEACHERS AIDES

- 5311 Child Care Workers
- 5312 Teachers Aides

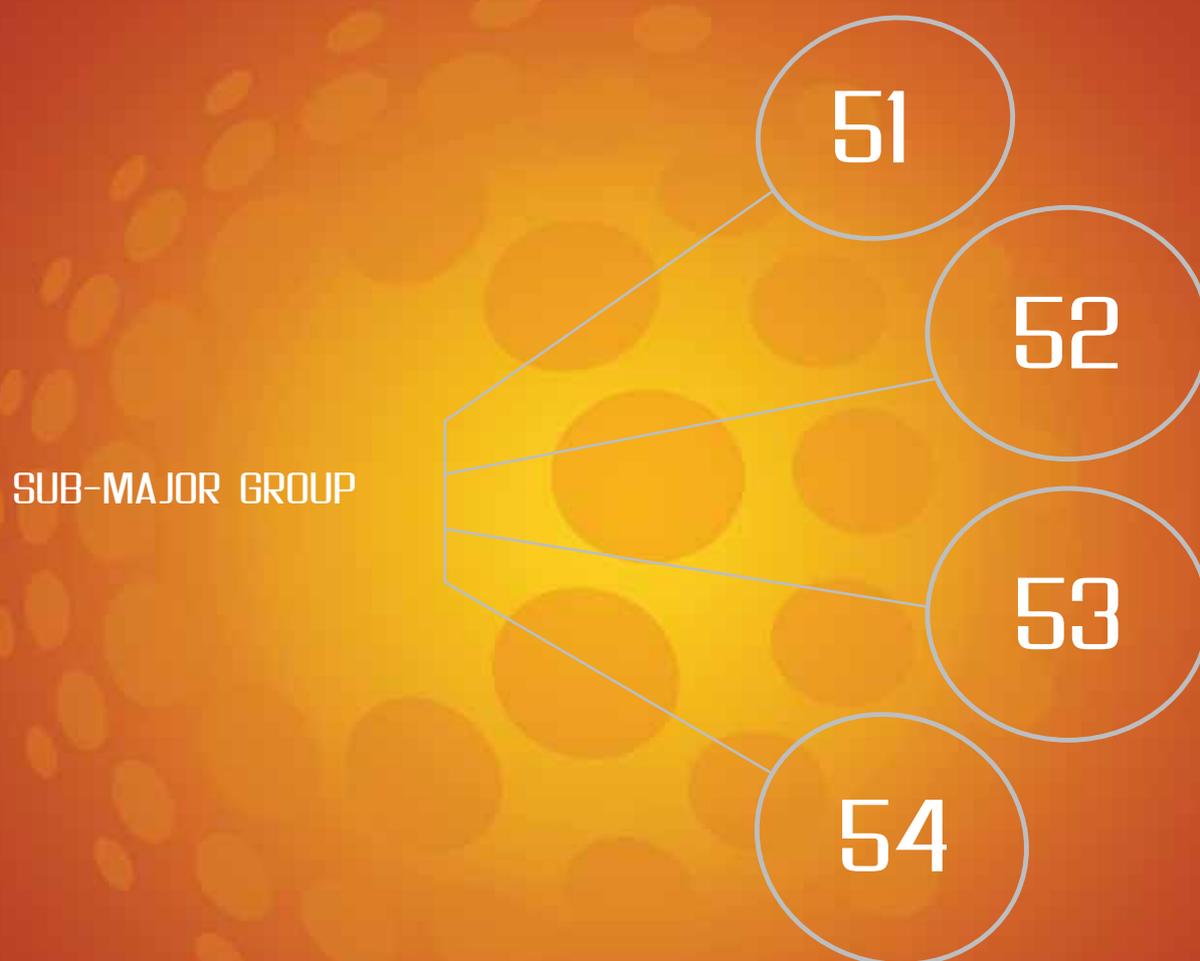
532 PERSONAL CARE WORKERS IN HEALTH SERVICES

- 5321 Health Care Assistants
- 5322 Home-Based Personal Care Workers
- 5329 Personal Care Workers in Health Services Not Elsewhere Classified

54 PROTECTIVE SERVICES WORKERS

541 PROTECTIVE SERVICES WORKERS

- 5411 Fire Fighters
- 5412 Police Officers
- 5413 Prison Guards
- 5414 Security Guards
- 5415 Immigration/ Customs Officers and Assistants
- 5419 Protective Services Workers Not Elsewhere Classified



51. PERSONAL SERVICES WORKERS

52. SALES WORKERS

53. EDUCATION AND SOCIAL SERVICES WORKERS

54. PROTECTIVE SERVICES WORKERS

Major Group 5 SERVICE AND SALES WORKERS

Description

Provide personal services related to travel, housekeeping, catering, personal care, or protection against fire and unlawful acts, or demonstrate and sell goods in wholesale or retail shops and similar establishments as well as at stalls and markets

Skill Level

Most occupations in this major group require skills at the second level

SUB-MAJOR 51 PERSONAL SERVICES WORKERS

Personal Services Workers provide personal services related to travel, housekeeping, catering, personal and child care, and other personal services.

MINOR GROUP 511 TRAVEL ATTENDANTS, CONDUCTORS AND GUIDES

Travel Attendants, Conductors and Guides provide various personal services in connection with travelling by aircraft, train, ship, bus or other vehicles, and escort individuals and groups on travel tours, sightseeing visits and excursions.

UNIT GROUP 5111 TRAVEL ATTENDANTS AND TRAVEL STEWARDS

Travel Attendants and Travel Stewards render personal services to ensure the comfort and safety of passengers. These include serving meals and beverages and coordinating housekeeping and social activities.

Tasks include:

- a) greeting passengers entering aircraft, conducting them to their seats;
- b) conducting safety checks and demonstrating the use of safety equipment such as life belts and oxygen masks and assisting passengers in emergencies;
- c) distributing reading materials, headphones, blankets and similar items and answering passengers' queries;
- d) serving pre-prepared meals and refreshments;
- e) selling duty-free goods to passengers;
- f) administering minor medical aide to passengers in need;
- g) taking care of general needs and comfort of ship and train passengers;
- h) ensuring that safety regulations are complied with;
- i) performing related tasks; and
- j) supervising other workers.

Examples of the occupations classified here: *(refer to index; unit group 5111)*

| | |
|---------|---------------------------------|
| 5111-01 | Ship Cabin Attendant |
| 5111-02 | Steward/ Stewardess Coordinator |
| 5111-03 | Steward/ Stewardess Supervisor |
| 5111-04 | Floor Steward/ Stewardess |

UNIT GROUP 5112 TRANSPORT CONDUCTORS

Transport Conductors collect or issue tickets and are responsible for safety and comfort on trains, trams, buses and other public transport vehicles.

Tasks include:

- a) collecting or issuing tickets, passes or fares, or checking the validity of ticket previously issued;
- b) taking charge of sleeping-cars of a passenger train, including checking passengers' tickets, ensuring their safety and entertaining requests for information;
- c) ensuring that safety regulations are respected;
- d) giving information to passengers especially about stops and connections;
- e) cooperating with the driver in conformity with time schedules;
- f) taking appropriate action in emergencies;
- g) helping the station supervisor or operation executive to manage, supervise and overcome problem of traffic operation, staff, trade and others in order to provide efficient and economic service to train passengers;
- h) performing related tasks; and
- i) supervising other workers.

Examples of the occupations classified here: *(refer to index; unit group 5112)*

| | |
|---------|------------------------|
| 5112-01 | Bus Conductor |
| 5112-02 | Ticket Inspector |
| 5112-03 | Boat / Ferry Conductor |
| 5112-04 | Train Conductor |

UNIT GROUP 5113 TRAVEL GUIDES

Travel Guides accompany individuals or groups on sightseeing tours or excursions, describe points of interest and provide other guide services.

Tasks include:

- a) escorting tourists and looking after their comfort;
- b) ensuring that reservations for transport and accommodation are confirmed and prepared itineraries are met;
- c) accompanying tourists on sightseeing tours and describing points of interest;
- d) accompanying tourists to museums and exhibitions and giving information on exhibits;
- e) conducting outdoor activities such as mountain climbing, hunting or fishing;
- f) performing related tasks; and
- g) supervising other workers.

Examples of the occupations classified here: *(refer to index; unit group 5113)*

| | |
|---------|-------------------|
| 5113-01 | Tourist Guide |
| 5113-02 | Travel Guide |
| 5113-03 | Art Gallery Guide |
| 5113-04 | Museum Guide |

MINOR GROUP 512 COOKS

Cooks plan, organise, prepare and cook food in hotels, restaurants and other public eating places, on board ships, passenger trains, private households and other institutions or establishments.

UNIT GROUP 5121 COOKS

Cooks plan, organise, prepare and cook food in hotels, restaurants and other public eating places, on board ships, passenger trains, private households and other institutions or establishments.

Tasks include:

- a) planning meals and menus, ordering food supplies and preparing and cooking food;
- b) monitoring food quality;
- c) demonstrating techniques and advising on cooking procedures;
- d) planning, supervising and coordinating work in the kitchen;
- e) ensuring cleanliness of crockery, utensils, kitchen equipment and work areas;
- f) organising food promotions;
- g) determining dry and wet ingredients for cooking, receiving and checking ingredients, preparing ingredients, preserving the cleanliness of equipment and kitchen area, and ensuring that kitchenware is stored and locked;
- h) ensuring safe and sanitary food handling practices are complied with;
- i) performing related tasks; and
- j) supervising other workers.

Examples of the occupations classified here: (*refer to index; unit group 5121*)

| | |
|---------|---------------------------------------|
| 5121-01 | Food Preparation Assistant, Grade N17 |
| 5121-02 | Cook, Grade N17 |
| 5121-03 | Chief Cook |
| 5121-04 | Cook |

MINOR GROUP 513 WAITERS AND BARTENDERS

Waiters and Bartenders serve food and beverages in commercial dining and drinking places such as clubs, institutions and canteens, on board ships and in passenger trains.

UNIT GROUP 5131 WAITERS

Waiters and waitresses serve food and beverages in commercial dining and drinking places such as clubs, institutions and canteens, on board ships and in passenger trains.

Tasks include:

- a) setting tables with clean linen, cutlery, crockery and glassware;
- b) setting and arranging tables and escorting guests to their tables;
- c) presenting the menu and recommending menu items to customers;
- d) taking orders and serving food and beverages;
- e) serving food and beverages to customers;
- f) presenting bills to customers and accepting payment;
- g) cleaning the dining area; and
- h) performing related tasks.

Examples of the occupations classified here: (*refer to index; unit group 5131*)

| | |
|---------|------------------------------|
| 5131-01 | Waiter |
| 5131-02 | Waiter |
| 5131-03 | Food and Beverage Supervisor |
| 5131-04 | Outlet Supervisor |

UNIT GROUP 5132 BARTENDERS

Bartenders mix and serve alcoholic and non-alcoholic drinks directly to customers at a bar or counter, or through waiters.

Tasks include:

- a) setting and arranging tables and escorting guests to their tables;
- b) presenting the menu and recommending menu items to customers;
- c) taking orders and serving food and beverages;
- d) advising on the choice of wines and serving them;
- e) serving alcoholic and non-alcoholic drinks at a bar;
- f) presenting bills to customers and accepting payment;
- g) cleaning glasses, utensils and bar equipment;
- h) planning, organising and controlling the operation of bar;
- i) examining the identity cards of customers for their age to ensure they are legally permitted to buy alcoholic drinks; and
- j) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 5132)*

| | |
|---------|-----------------------------|
| 5132-01 | Bartender |
| 5132-02 | Bartender Assistant |
| 5132-03 | Food and Beverage Bartender |
| 5132-04 | Barista |

MINOR GROUP 514 HAIRDRESSERS, BEAUTICIANS AND RELATED WORKERS

Hairdressers, Beauticians and Related Workers cut and style hair, shave and trim beards, give beauty treatment, apply cosmetics and give other kinds of treatment to customers in order to improve their appearance.

UNIT GROUP 5141 HAIRDRESSERS

Hairdressers shampoo, cut, colour and style hair and massage and treat the scalp.

Tasks include:

- a) cutting, washing, colouring and perming hair, shaving or trimming beards and removing facial hair;
- b) giving scalp treatment;
- c) fitting wigs according to customers' requirements;
- d) providing advice on hair care, beauty products and hairstyles;
- e) styling hair into dreadlocks and braids and adding hair extensions;
- f) cleaning work areas and sanitising instruments;
- g) performing related tasks; and
- h) supervising other workers.

Examples of the occupations classified here: *(refer to index; unit group 5141)*

| | |
|---------|--------------|
| 5141-01 | Coiffeur |
| 5141-02 | Hairdresser |
| 5141-03 | Barber |
| 5141-04 | Hair Stylist |

UNIT GROUP 5142 BEAUTICIANS AND RELATED WORKERS

Beauticians and Related Workers give facial and body beauty treatments, apply cosmetics and give other kinds of treatment to individuals to improve their appearance.

Tasks include:

- a) making up artists for a show;
- b) cleaning and applying cream, lotion and related products to the face and parts of the body;
- c) giving facial and body massage;
- d) applying make-up on clients or actors and other performers;
- e) shaping, colouring and giving other treatments to eyebrows and eyelashes;
- f) dyeing hair and giving scalp treatment;
- g) cleaning, shaping and polishing finger and toe nails and treating minor ailments of the human foot such as corns, calluses or toe nail problems;
- h) preparing special cosmetics for individual clients;
- i) attending to clients taking baths and administering elementary massage;
- j) using waxing, sugaring and depilation techniques to remove unwanted body hair;
- k) advising clients on diet and exercise to assist in weight loss and slimming;
- l) preparing necessary materials such as latex or plastic masks, wigs and beards;
- m) performing related tasks; and
- n) supervising other workers.

Examples of the occupations classified here: *(refer to index; unit group 5142)*

| | |
|---------|-----------------------|
| 5142-01 | Beautician, Grade B11 |
| 5142-02 | Beautician |
| 5142-03 | Make-Up Artist |
| 5142-04 | Manicurist |

MINOR GROUP 515 BUILDING AND HOUSEKEEPING SUPERVISORS

Building and Housekeeping Supervisors coordinate, schedule and supervise the work of cleaners and other housekeeping staff in commercial, industrial and residential premises. They take responsibility for housekeeping and caretaking functions in hotels, offices, apartments, houses and private dwellings.

UNIT GROUP 5151 CLEANING AND HOUSEKEEPING SUPERVISORS IN OFFICES, HOTELS AND OTHER ESTABLISHMENTS

Cleaning and Housekeeping Supervisors in Offices, Hotels and Other Establishments organise, supervise and carry out housekeeping functions in order to keep clean and tidy the interiors and fixtures of hotels, offices and other establishments, as well as of aircraft, trains, buses and similar vehicles.

Tasks include:

- a) training, discharging, organising and supervising helpers, cleaners and other housekeeping staff;
- b) purchasing or controlling the purchase of supplies;
- c) controlling storage and issue of supplies;
- d) supervising the general welfare and conduct of individuals in institutions;
- e) sweeping or vacuuming, washing and polishing floors, furniture and other fixtures;
- f) making beds, cleaning bathrooms, supplying towels, soap and related items;
- g) cleaning kitchens and generally helping with kitchen work, including dishwashing;
- h) restocking minibars and replenishing items such as drinking glasses and stationery;

- i) performing related tasks; and
- j) supervising other workers.

Examples of the occupations classified here: *(refer to index; unit group 5151)*

| | |
|---------|--------------------------------------|
| 5151-01 | Hotel and Lodging Banquet Supervisor |
| 5151-02 | Hotel and Lodging Floor Supervisor |
| 5151-03 | Housekeeping Supervisor |
| 5151-04 | Laundry Supervisor |

UNIT GROUP 5152 DOMESTIC HOUSEKEEPERS

Domestic Housekeepers organise, supervise and carry out housekeeping functions in private households with or without the support of subordinate staff.

Tasks include:

- a) supervising workers employed in households as domestic staff;
- b) purchasing or controlling the purchase of supplies;
- c) controlling storage and issue of supplies;
- d) assisting in cases of minor injury or illness by performing tasks such as taking temperature, giving medicine or putting on bandages;
- e) sweeping, vacuuming, washing and polishing floors, furniture and other fixtures;
- f) making beds, cleaning bathrooms, supplying towels, soap and related items;
- g) taking care of household pets and plants, receiving visitors, answering telephones, delivering messages and shopping for groceries;
- h) preparing and cooking meals, setting and clearing tables and serving food and beverages;
- i) cleaning kitchens and generally helping with kitchen work, including dishwashing;
- j) performing related tasks; and
- k) supervising other workers.

Examples of the occupations classified here: *(refer to index; unit group 5152)*

| | |
|---------|------------------------|
| 5152-01 | Housekeeper, Private |
| 5152-02 | Butler |
| 5152-03 | Domestic Housekeeper |
| 5152-04 | House Steward, Private |

UNIT GROUP 5153 BUILDING CARETAKERS

Building Caretakers take care of apartments, houses, hotels, hostels, offices and other buildings and maintain them in a clean and proper condition. They may supervise other workers and contractors depending on the size and nature of the building concerned.

Tasks include:

- a) supervising the work of cleaning, housekeeping and building maintenance staff and contractors;
- b) participating in cleaning, simple repairs and maintenance of building interiors;
- c) regulating conduct of tenants and visitors in such matters as noise abatement or misuse of property;
- d) providing small services to absent tenants such as accepting deliveries on their behalf or providing requested information to callers;
- e) notifying the management and owners of buildings of the need for repairs;
- f) patrolling buildings to ensure security is maintained;
- g) filling in registration forms and providing tenants with copies of rules;

- h) performing related tasks; and
- i) supervising other workers.

Examples of the occupations classified here: *(refer to index; unit group 5153)*

| | |
|---------|------------------------------|
| 5153-01 | Hostel Supervisor, Grade N17 |
| 5153-02 | Building Caretaker |
| 5153-03 | Warden, Hostel |
| 5153-04 | Warden, Dormitory |

MINOR GROUP 516 OTHER PERSONAL SERVICES WORKERS

Other Personal Services Workers predict future events in people's lives, provide companionship and other personal services; groom, train and care for animals; provide embalming and funeral services; and instruct learner drivers.

UNIT GROUP 5161 ASTROLOGERS, FORTUNE-TELLERS AND RELATED WORKERS

Astrologers, Fortune-Tellers and Related Workers predict future events in people's lives by practising astrology or related techniques and give warnings and advice on possible courses of action.

Tasks include:

- a) reading horoscopes of individuals at birth or forecasting future events and conditions of their lives;
- b) determining auspicious times for various human activities such as inaugurations, marriages, journeys and other religious ceremonies;
- c) studying the influence of the constellations and of other phenomena on a person's life and situation;
- d) interpreting a person's characteristics through reading of the palms, playing cards, etc.;
- e) advising individuals on precautions to be taken to avoid evil influences; and
- f) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 5161)*

| | |
|---------|----------------|
| 5161-01 | Astrologer |
| 5161-02 | Palmist |
| 5161-03 | Fortune-Teller |
| 5161-04 | Numerologist |

UNIT GROUP 5162 COMPANIONS AND VALETS

Companions and Valets provide companionship and attend to various personal needs of the employer.

Tasks include:

- a) providing companionship to employer by accompanying him/her to various places, reading, conversing and participating in activities such as sports;
- b) assisting in entertaining visitors in employer's home;
- c) keeping wardrobe and personal effects of the employer in a proper condition; and
- d) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 5162)*

| | |
|---------|-------------------|
| 5162-01 | Lady-in-Waiting |
| 5162-02 | Companion |
| 5162-03 | Companion, Social |
| 5162-04 | Valet |

UNIT GROUP 5163 UNDERTAKERS AND EMBALMERS

Undertakers and Embalmers perform various tasks in the funeral of human remains.

Tasks include:

- a) making arrangements for and conducting funerals and cremations;
- b) embalming human remains to retard or repress the process of decay;
- c) puncturing internal organs through the abdomen to remove natural fluids and gases;
- d) restoring injured portions of the body to their normal appearance by affixing pieces of moulded wax, plaster of Paris or other materials;
- e) making arrangements for and conducting funerals;
- f) interviewing family to obtain data about the deceased and other information and completing documents;
- g) bathing human remains and wrapping them in shroud;
- h) weeping during the recounting of the goodness, honesty of the deceased and exhibiting the sadness and grief of the deceased's family in losing a loved one; and
- i) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 5163)*

| | |
|---------|---------------------|
| 5163-01 | Attendant, Mortuary |
| 5163-02 | Undertaker |
| 5163-03 | Embalmer |
| 5163-04 | Moirologist |

UNIT GROUP 5164 PET GROOMERS AND ANIMAL CARE WORKERS

Pet Groomers and Animal Care Workers feed, care for, groom, bathe and exercise animals, and clean, disinfect and repair their cages and also specialise in grooming or maintaining a pet's appearance.

Tasks include:

- a) caring for animals in zoos, bird and aquatic parks;
- b) understanding and applying techniques required to feed, handle, train and groom animals;
- c) cleaning and disinfecting cages and surrounding areas, and shampooing, clipping nails and grooming animals;
- d) monitoring and documenting animal behaviour, preparing food and feeding animals, fish and birds at scheduled intervals;
- e) assisting scientists and researchers in conducting laboratory tests on animals;
- f) playing with the animals, providing companionship and observing behavioural changes that could indicate illness or injury;
- g) cleaning and sanitising equipment to prevent the spread of disease, storing grooming equipment, keeping appointment schedules and discussing grooming needs of animals with customers;
- h) training and performing with animals; and
- i) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 5164)*

| | |
|---------|---|
| 5164-01 | Specialised General Worker (Mahout), Grade R3 |
| 5164-02 | Animal Caretaker |
| 5164-03 | Keeper in Zoo, Bird and Aquatic Parks |
| 5164-04 | Zookeeper |

UNIT GROUP 5165 DRIVING INSTRUCTORS

Driving Instructors teach students to drive and demonstrate proper driving techniques.

Tasks include:

- a) teaching students the rules of driving;
- b) teaching students road safety;
- c) teaching students to operate the car;
- d) keeping students safe by operating dual controls (e.g. brakes and mirrors);
- e) monitoring students' driving techniques;
- f) teaching car maintenance; and
- g) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 5165)*

| | |
|---------|--------------------|
| 5165-01 | Driving Instructor |
|---------|--------------------|

UNIT GROUP 5169 PERSONAL SERVICES WORKERS NOT ELSEWHERE CLASSIFIED

This unit group includes Personal Services Workers Not Elsewhere Classified in Minor Group 516: Other Personal Services Workers.

Tasks include:

- a) accompanying clients to restaurants and other places;
- b) acting as a dance partner;
- c) welcoming clients to a night club and ensuring that they are thoroughly entertained; and
- d) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 5169)*

| | |
|---------|-------------------------|
| 5169-01 | Social Escort |
| 5169-02 | Club Host |
| 5169-03 | Dance Partner |
| 5169-04 | Guest Relations Officer |

SUB-MAJOR 52 SALES WORKERS

Sales Workers sell and demonstrate goods in wholesale or retail shops, at stalls and markets, door-to-door, via telephone or customer contact centres. They may record and accept payment for goods and services purchased, and may operate small retail outlets.

MINOR GROUP 521 STREET AND MARKET SALESPERSONS

Street and Market Salespersons sell goods from stalls at markets or streets and prepare and sell hot or cold food and drinks in streets and public places.

UNIT GROUP 5211 STALL AND MARKET SALESPERSONS

Stall and Market Salespersons sell various goods from stalls in open-air or covered markets or from stalls in streets or other open spaces.

Tasks include:

- a) obtaining from the local authorities permission to set up a stall at a particular place on a street or other open spaces;
- b) determining the variety of products, stock and price of goods to be sold;
- c) buying or contracting goods from wholesale suppliers or directly from producers;
- d) displaying products and explaining the qualities of the products to customers;
- e) stacking and displaying goods for sale, and wrapping and packing goods sold;
- f) receiving payment and keeping accounts; and
- g) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 5211)*

| | |
|---------|--------------------------|
| 5211-01 | Street Stall Salesperson |
| 5211-02 | Market Salesperson |
| 5211-03 | Kiosk Salesperson |
| 5211-04 | Counter Sales Promoter |

UNIT GROUP 5212 STREET FOOD SALESPERSONS

Street Food Salespersons prepare and sell hot or cold food and drinks ready for immediate consumption on the streets and public places such as stations, cinemas or theatres.

Tasks include:

- a) obtaining permission from the local authority to set up a stall at a particular place on the street or other open spaces;
- b) obtaining food and drinks for sale;
- c) loading and unloading, pushing, pedalling or pulling a hand-cart, truck, tray or basket to bring food and drinks to the desired place on the streets, or public places such as stations or cinemas;
- d) displaying and selling food and drinks, and accepting payment;
- e) loading and unloading goods for sale; and
- f) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 5212)*

| | |
|---------|--------------------|
| 5212-01 | Hawker (Food) |
| 5212-02 | Street Food Vendor |

MINOR GROUP 522 SHOP SALESPERSONS

Shop Salespersons sell a range of goods and services directly to the public or on behalf of retail and wholesale establishments. They explain the functions and qualities of these goods or services, and may operate small shops.

UNIT GROUP 5221 **SHOPKEEPERS**

Shopkeepers operate small retail shops either independently or with support from a small number of others.

Tasks include:

- a) loading and unloading goods for sale;
- b) receiving payment and keeping accounts;
- c) stacking and displaying items for sale;
- d) advising customers on the selection, price, delivery, use and care of goods and services;
- e) preparing bills, invoices or receipts;
- f) checking stock and participating in stock takes;
- g) performing related tasks; and
- h) supervising other workers.

Examples of the occupations classified here: *(refer to index; unit group 5221)*

| | |
|---------|------------|
| 5221-01 | Shopkeeper |
| 5221-02 | Grocer |
| 5221-03 | Newsagent |

UNIT GROUP 5222 **SHOP SUPERVISORS**

Shop Supervisors supervise and coordinate the activities of shop sales assistants and other workers in retail and wholesale shops such as supermarkets and department stores.

Tasks include:

- a) estimating the types and quantities of goods required by customers and ensuring adequate stock;
- b) teaching staff the sales procedures, including how to deal with difficult and complex cases;
- c) supervising sales staff;
- d) estimating needs of the business, purchase or authorise the purchase of goods of the types, qualities and quantities required, usually under the general direction of the proprietor or manager;
- e) examining returned goods and deciding on appropriate action;
- f) supervising and instructing sales and other staff or the sales department in their day-to-day work;
- g) ensuring the prices of goods and services are displayed;
- h) checking stock and participating in stock takes;
- i) performing related tasks; and
- j) supervising other workers.

Examples of the occupations classified here: *(refer to index; unit group 5222)*

| | |
|---------|------------------------|
| 5222-01 | Shop Supervisor |
| 5222-02 | Sales Supervisor |
| 5222-03 | Supermarket Supervisor |
| 5222-04 | Checkout Supervisor |

UNIT GROUP 5223 SHOP SALES ASSISTANTS

Shop Sales Assistants sell a range of goods and services directly to the public or on behalf of retail and wholesale establishments. They explain the functions and qualities of these goods or services.

Tasks include:

- a) moving goods to be sold from storage area to sales area and placing them on display;
- b) explaining the functions and qualities of a product;
- c) ascertaining the nature and quality of a product desired by a customer;
- d) assisting customers in making a choice;
- e) quoting prices, credit terms and discounts;
- f) packing and arranging delivery of goods, if necessary;
- g) preparing bills, invoices or receipts;
- h) verifying cashier's receipt, if necessary;
- i) giving demonstrations of articles on sale in order to inform customers about their characteristics and mode of use, as well as to stimulate buying interest; and
- j) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 5223)*

| | |
|---------|---------------------------------------|
| 5223-01 | Sales Assistant |
| 5223-02 | Shop Assistant |
| 5223-03 | Salesperson (Retail Establishment) |
| 5223-04 | Salesperson (Wholesale Establishment) |

MINOR GROUP 523 CASHIERS AND TICKET CLERKS

Cashiers and Ticket Clerks deal directly with clients in connection with receiving, changing and paying out money in shops, theatres or cinemas, banks, post offices and other establishments such as shops and ticket offices or similar establishments.

UNIT GROUP 5231 CASHIERS AND TICKET CLERKS

Cashiers and Ticket Clerks receive directly from clients payment for goods or services in establishments such as shops and ticket offices or similar establishments.

Tasks include:

- a) establishing or determining the price of goods, services or admission and tabulating the bill using a calculator, cash register or optical price scanner;
- b) receiving and verifying cash, cheque or credit card payment in shops, ticket counters or similar establishments;
- c) giving change and issuing receipts;
- d) issuing tickets at the ticket counter and receiving corresponding payment;
- e) paying out cash against written orders, credit notes, or resulting from currency exchanges and obtaining receipts;
- f) keeping records and reconciling them with cash balance;
- g) receiving incoming cash and checking it against sales slips and other documents;
- h) operating the cash register;
- i) wrapping or placing merchandise in bags; and
- j) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 5231)*

| | |
|---------|-------------------------------|
| 5231-01 | Cashier |
| 5231-02 | Cashier, Office of Supervisor |
| 5231-03 | Cashier, Assistant |
| 5231-04 | Cashier, Parking |

MINOR GROUP 524 OTHER SALES WORKERS

Other Sales Workers display, demonstrate and sell goods, food and services, usually to the general public, in contexts other than sales in markets, streets and shops.

UNIT GROUP 5241 **FASHION AND OTHER MODELS**

Fashion and Other Models wear and display clothing and accessories, and pose for photographs, film and video, advertising, still photography or for artistic creation.

Tasks include:

- a) dressing in sample apparel of new or current styles or of type wanted by the customer;
- b) modelling and demonstrating style and other characteristics to best advantage;
- c) walking, turning and posing to demonstrate style and characteristics of garments, fashion accessories and other merchandise;
- d) posing as model for artistic photography, sculpture or painting;
- e) posing as model for film and video recording in the field of advertising;
- f) performing related tasks; and
- g) supervising other workers.

Examples of the occupations classified here: *(refer to index; unit group 5241)*

| | |
|---------|-------------------|
| 5241-01 | Fashion Model |
| 5241-02 | Advertising Model |
| 5241-03 | Artist's Model |

UNIT GROUP 5242 **SALES DEMONSTRATORS**

Sales Demonstrators demonstrate goods at commercial premises, exhibitions and private homes.

Tasks include:

- a) stacking and displaying items for sales;
- b) advising customers on the selection, price, delivery, use and care of goods and services;
- c) giving demonstrations of articles on sale in order to inform customers about their characteristics and mode of use, as well as to stimulate buying interest;
- d) taking orders and making arrangements for payment, delivery and collection of goods;
- e) offering samples of goods and distributing catalogues and advertising material;
- f) contacting dealers or individuals by telephone to solicit business;
- g) performing related tasks; and
- h) supervising other workers.

Examples of the occupations classified here: *(refer to index; unit group 5242)*

| | |
|---------|--------------------|
| 5242-01 | Demonstrator |
| 5242-02 | Sales Promoter |
| 5242-03 | Sales Merchandiser |

UNIT GROUP 5243 DOOR-TO-DOOR SALESPERSONS

Door-to-Door Salespersons sell goods and services and solicit business for establishments by approaching or visiting potential customers, usually residents in private homes, by going from door to door.

Tasks include:

- a) contacting customers by telephone, mail or in person to offer or persuade them to purchase merchandise or services;
- b) stacking and displaying merchandise samples at events or on racks;
- c) delivering merchandise, serving customers, collecting payment and giving change;
- d) approaching potential customers or going on foot or by vehicle to deliver or sell merchandise or services;
- e) distributing product samples or brochures detailing the product or services;
- f) taking orders for goods and entering orders into the computer system;
- g) explaining prices of products or services and demonstrating use of the products; and
- h) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 5243)*

| | |
|---------|-----------------------------------|
| 5243-01 | Direct Selling Salesperson |
| 5243-02 | Door-to-Door Salesperson |
| 5243-03 | Door-to-Door Sales Representative |

UNIT GROUP 5244 CONTACT CENTRE SALESPERSONS

Contact Centre Salespersons respond to telephone calls or other communication media to assist customers with specific queries, and promote goods and services, obtain sales and arrange sales visits.

Tasks include:

- a) answering incoming calls to assist customers who have specific queries;
- b) promoting customers' interest in the services and products offered by the company;
- c) arranging for the dispatch of products, information packages, brochures, etc. to clients and other interested parties;
- d) soliciting feedback to improve service, responding to requests for service/assistance; and
- e) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 5244)*

| | |
|---------|-------------------------------------|
| 5244-01 | Customer Contact Centre Salesperson |
| 5244-02 | Contact Centre Personnel |
| 5244-03 | Outbound Contact Centre Consultant |
| 5244-04 | Telesales Agent |

UNIT GROUP 5245 SERVICE STATION AND PUMP ATTENDANTS

Service Station and Pump Attendants sell fuel, lubricants and other automotive products and provide services such as fuelling, cleaning, lubricating and performing minor repairs to motor vehicles.

Tasks include:

- a) filling the petrol tank;
- b) checking and replenishing air pressure in vehicle tyres, oil and other vehicle fluids;
- c) washing the windscreen and windows of vehicles;
- d) performing minor repairs to vehicles such as replacing tyres, light bulbs and windscreen wiper blades;
- e) maintaining and operating an automatic car wash;
- f) collecting payment from customers;
- g) cleaning petrol pumps, shops and surrounding driveways;
- h) controlling stock and preparing daily reports on fuel, oil, accessories and other items sold;
- i) performing related tasks; and
- j) supervising other workers.

Examples of the occupations classified here: [\(refer to index; unit group 5245\)](#)

| | |
|---------|---------------------------|
| 5245-01 | Petrol Pump Attendant |
| 5245-02 | Service Station Attendant |

UNIT GROUP 5246 FOOD COUNTER ATTENDANTS

Food Counter Attendants serve customers at food counters and prepare simple food items in restaurants, cafeterias, hotels, fast food outlets, hospitals and other similar establishments.

Tasks include:

- a) serving food to customers at counters;
- b) ascertaining the products desired by customers, assisting customers in making choices and taking orders;
- c) preparing simple food items and reheating prepared food;
- d) packing takeaway food; and
- e) receiving payment for food items purchased.

Examples of the occupations classified here: [\(refer to index; unit group 5246\)](#)

| | |
|---------|-----------------------------|
| 5246-01 | Food Counter Attendant |
| 5246-02 | Cafeteria Counter Attendant |

UNIT GROUP 5249 SALES WORKERS NOT ELSEWHERE CLASSIFIED

This unit group includes Sales Workers Not Elsewhere Classified in Minor Group 524: Other Sales Workers.

Tasks include:

- a) stacking and displaying items for sale;
- b) advising customers on the selection, price, delivery, use and care of goods and services;
- c) preparing bills, invoices or receipts;
- d) giving demonstrations of articles on sale in order to inform customers about their characteristics and mode of use, as well as to stimulate buying interest;
- e) contacting dealers or private individuals by telephone to solicit sales for good or services;
- f) checking stock and participating in stock takes;
- g) performing related tasks; and
- h) supervising other workers.

Examples of the occupations classified here: *(refer to index; unit group 5249)*

| | |
|---------|--------------------|
| 5249-01 | Rental Salesperson |
|---------|--------------------|

SUB-MAJOR 53 EDUCATION AND SOCIAL SERVICES WORKERS

Education and Social Services Workers provide care, supervision and assistance for children, patients and the elderly, convalescent or disabled persons in institutional and residential settings.

MINOR GROUP 531 CHILD CARE WORKERS AND TEACHERS AIDES

Child Care Workers and Teachers Aides provide care and supervision for children in schools, residential homes and child care facilities.

UNIT GROUP 5311 CHILD CARE WORKERS

Child Care Workers provide care and supervision of children in residential homes and day care centres.

Tasks include:

- a) assisting children to bath, dress and feed themselves;
- b) taking children to and from school or outdoors for recreation;
- c) playing games with children, or entertaining them by reading or story-telling;
- d) looking after the welfare and safety of children in the absence of their parents;
- e) maintaining order in children's bedrooms and playrooms;
- f) taking care of school children on excursions, museum visits and similar outings;
- g) performing related tasks; and
- h) supervising other workers.

Examples of the occupations classified here: *(refer to index; unit group 5311)*

| | |
|---------|-------------------|
| 5311-01 | Child Care Worker |
| 5311-02 | Amah |
| 5311-03 | Nanny |
| 5311-04 | Babysitter |

UNIT GROUP 5312 TEACHERS AIDES

Teachers Aides perform non-teaching duties to assist teachers, and provide care and supervision for children in schools and pre-schools.

Tasks include:

- a) carrying out tasks to assist teachers in pre-school classes and caring for pupils;
- b) demonstrating, supervising and participating in activities that enhance the physical, social, emotional and intellectual development of children in schools and pre-schools;
- c) preparing indoor and outdoor areas for learning and recreational activities;
- d) assisting children with intellectual, physical, behavioural and other learning difficulties with their studies;
- e) assisting children individually to learn social skills;
- f) assisting in the preparation of teaching materials, and copying and collating written and printed materials;
- g) operating audio-visual equipment, computers and other teaching aids;
- h) distributing and collecting lesson material; and
- i) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 5312)*

| | |
|---------|---------------------------------------|
| 5312-01 | Pupil Management Assistant, Grade N17 |
| 5312-02 | Teachers Aide |
| 5312-03 | Pre-school Assistant |
| 5312-04 | Kindergarten Assistant |

MINOR GROUP 532 PERSONAL CARE WORKERS IN HEALTH SERVICES

Personal Care Workers in Health Services provide personal care and assistance with mobility and activities of daily living to patients and the elderly, convalescent and disabled people in health care centres and residential settings.

UNIT GROUP 5321 HEALTH CARE ASSISTANTS

Health Care Assistants provide personal care and assistance with activities of daily living to patients and residents in a variety of health care settings such as hospitals, clinics and nursing care centres.

Tasks include:

- a) assisting patients with personal and therapeutic care needs such as personal hygiene, feeding, dressing, physical mobility and exercise, communication, taking medications and changing dressings;
- b) positioning, lifting and moving patients and placing them in wheelchairs or on movable beds;
- c) maintaining the cleanliness of the patients' surroundings, such as cleaning the patients' rooms and changing the bed linen;
- d) assisting with the patients' overall comfort;
- e) monitoring patients' conditions by taking their temperature, pulse, respiration and weight; and
- f) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 5321)*

| | |
|---------|------------------------------------|
| 5321-01 | Health Assistant, Grade U3 |
| 5321-02 | Public Health Assistant, Grade U11 |
| 5321-03 | Nursing Assistant |
| 5321-04 | Nursing Medical Assistant |

UNIT GROUP 5322 HOME-BASED PERSONAL CARE WORKERS

Home-Based Personal Care Workers provide routine personal care and assistance with activities of daily living to persons in need of such care due to the effects of ageing, illness, injury or other physical or mental conditions in private homes and other residential settings.

Tasks include:

- a) helping with daily tasks such as meal preparation, medication reminders, laundry, light housekeeping, delivery and pick up of groceries, shopping, transport arrangement and accompaniment of customers;
- b) bathing, dressing, moving patients, helping them to use the toilet, eat and walk;
- c) lightening housework, preparing meals, taking medications, shopping for groceries and clothes, using the telephone and managing money that enable the patient to live independently in the community;
- d) assisting elderly or disabled people with daily activities at their home or in care centres;
- e) advising families, the elderly and the disabled on such matters as nutrition, hygiene and home facilities;
- f) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 5322)*

| | |
|---------|------------------------|
| 5322-01 | Care Aide (Home) |
| 5322-02 | Birth Assistant (Home) |
| 5322-03 | Nursing Aide (Home) |
| 5322-04 | Personal Care Provider |

UNIT GROUP 5329 PERSONAL CARE WORKERS IN HEALTH SERVICES NOT ELSEWHERE CLASSIFIED

This unit group includes Personal Care Workers in Health Services Not Elsewhere Classified in Minor Group 532: Personal Care Workers in Health Services.

Tasks include:

- a) performing related tasks; and
- b) supervising other workers.

Examples of the occupations classified here: *(refer to index; unit group 5329)*

| | |
|---------|---------------------------|
| 5329-01 | First-Aid Attendant |
| 5329-02 | Medical Imaging Assistant |
| 5329-03 | Phlebotomist |
| 5329-04 | Sterilisation Aide |

SUB-MAJOR 54 PROTECTIVE SERVICES WORKERS

Protective Services Workers provide protective services related to fire fighters, police officers, prison guards, security guards and protective services not elsewhere classified.

MINOR GROUP 541 PROTECTIVE SERVICES WORKERS

Protective Services Workers protect individuals and property against fire and other hazards, maintain law and order and enforce laws and regulations.

UNIT GROUP 5411 **FIRE FIGHTERS**

Fire Fighters prevent and extinguish fires, rescue lives, salvage property and conduct rescue efforts.

Tasks include:

- a) performing fire fighting and rescue operations;
- b) conducting daily maintenance of fire fighting equipment efficiently;
- c) rescuing people and salvaging property and possessions during and after fires and major accidents;
- d) preventing or limiting the spread of dangerous substances in the event of fires or accidents;
- e) directing rescue operations to save trapped people, animals, property and rendering first aid to injured victims;
- f) informing the public about fire prevention;
- g) investigating causes of a fire and submitting the report to superiors;
- h) performing related tasks; and
- i) supervising other workers.

Examples of the occupations classified here: *(refer to index; unit group 5411)*

| | |
|---------|--------------------------|
| 5411-01 | Fire Officer, Grade KB17 |
| 5411-02 | Fire Fighter |
| 5411-03 | Fire Prevention Officer |
| 5411-04 | Forest Fire Fighter |

UNIT GROUP 5412 **POLICE OFFICERS**

Police Officers maintain law and order and enforce laws and regulations.

Tasks include:

- a) performing policing duties;
- b) planning, preventing crime, investigating, arresting and charging, directing traffic, gathering intelligence, preparing equipment and communication and maintaining public security on land, in the sea and air;
- c) arresting people who contravene the law;
- d) maintaining law and order, protecting people and property from hazards and unlawful acts;
- e) issuing summonses to traffic offenders, assuming authority in the event of an accident;
- f) rendering first aid and conducting the necessary investigations, maintaining order during fires, inspecting authorised places of public assembly, and providing general information;
- g) keeping records, preparing reports on activities and giving evidence in court;
- h) performing related tasks; and

i) supervising other workers.

Examples of the occupations classified here: *(refer to index; unit group 5412)*

| | |
|---------|--|
| 5412-01 | Low-Ranking Police Officer and Auxiliary Constable, Grade YT1 |
| 5412-02 | Low-Ranking Police Officer and Aboriginal Constable, Grade YP1 |
| 5412-03 | Police Volunteer |
| 5412-04 | Police Patrol Officer |

UNIT GROUP 5413 PRISON GUARDS

Prison Guards watch over and maintain discipline among inmates of prisons, reformatories or penitentiaries.

Tasks include:

- a) guarding prisoners (detainees/juveniles) in terms of physical safety and management inclusive of rehabilitation and guard duties of prisoners undergoing treatment at hospitals or attending trial in court;
- b) searching arriving prisoners, putting their valuables in safekeeping, escorting prisoners to prison cells and locking them in;
- c) making periodic inspection tours of prison cells;
- d) supervising prisoners at work, meals or during walks and patrolling prison areas to prevent escape by prisoners;
- e) performing related tasks; and
- f) supervising other workers.

Examples of the occupations classified here: *(refer to index; unit group 5413)*

| | |
|---------|----------------------------|
| 5413-01 | Prison Officer, Grade KX17 |
| 5413-02 | Prison Guard |
| 5413-03 | Prison Warden |

UNIT GROUP 5414 SECURITY GUARDS

Security Guards watch over industrial plants, warehouses, houses and other property against fire, theft or illegal entry or accompanying vehicles transporting cash or valuables to protect against theft or robbery.

Tasks include:

- a) recording particulars of vehicles entering or leaving the plant or premises;
- b) checking vehicles leaving the premises to prevent unauthorised removal of goods;
- c) patrolling inside and around premises to prevent unauthorised entry;
- d) accompanying or riding in vehicles transporting cash, payroll or valuables to protect against theft or robbery;
- e) performing security checks of passengers and luggage at airports;
- f) ushering people into courtrooms and similar establishments;
- g) monitoring the guarding of all main gateways and entrances to buildings and directing security guards to watch visitors entering the complex;
- h) patrolling inside and outside the building;
- i) performing the duties of a bodyguard;
- j) performing related tasks; and
- k) supervising other workers.

Examples of the occupations classified here: *(refer to index; unit group 5414)*

| | |
|---------|--------------------------------|
| 5414-01 | Security Assistant, Grade KP17 |
| 5414-02 | Security Guard, Grade KP11 |
| 5414-06 | Guard, Gambling Activities |
| 5414-07 | Bodyguard |

UNIT GROUP 5415 IMMIGRATION/ CUSTOMS OFFICERS AND ASSISTANTS

Immigration/ Customs Officers and Assistants help to examine and assess the admissibility of all passengers at seaports and airports. They are involved in preventive work, searching of vehicles, freight and examination of documentation.

Tasks include:

- a) examining imported / exported goods, luggage entering/exiting the gates of the country and balancing manifests;
- b) controlling the movement of goods in / out of the free zones, licensed manufacturing warehouses, effective warehouses, excise factories, performing the duties of cashier and collection of duty;
- c) carrying out prevention duties such as espionage, raids, patrols and search of vessels / vehicles and assisting in common administrative tasks;
- d) selecting and targeting individual vehicles based on intelligence, previous offences, previous shipping information, computer records and current trends;
- e) searching individuals, vehicles and cargo for smuggled goods;
- f) examining documentation relating to imported freight;
- g) examining freight physically to ensure that the goods carried correspond with the documented description;
- h) arresting individuals suspected of smuggling;
- i) assisting in the enforcement of the law, examining wholesale and retail business premises, aiding in anti-smuggling operation duties, wholesale and retail licence application, investigating cases for which action has been taken under enforced laws, processing permit applications for rice transfer, collecting information on controlled goods, processing applications for import licence, rice by-products such as rice flour, glutinous rice flour, rice vermicelli, etc. and preparing information relating to import and export of these goods;
- j) performing related tasks; and
- k) supervising, scheduling and monitoring the tasks of other workers.

Examples of the occupations classified here: *(refer to index; unit group 5415)*

| | |
|---------|---|
| 5415-01 | Immigration Officer, Grade KP17 |
| 5415-02 | Customs Superintendent Assistant, Grade W17 |

UNIT GROUP 5419 PROTECTIVE SERVICES WORKERS NOT ELSEWHERE CLASSIFIED

This unit group includes Protective Services Workers Not Elsewhere Classified in Minor Group 541: Protective Service Workers.

Tasks include:

- a) ensuring the safety and cleanliness of a swimming pool for use and that the public adhere to the instructions and prescribed regulations pertaining to the use of the swimming pool;
- b) monitoring and ensuring the safety of users of water recreation devices while ensuring the equipment used is not damaged and is safe;

- c) performing the duties of a bodyguard;
- d) patrolling beaches and swimming pools to prevent accidents and to rescue bathers from drowning;
- e) patrolling natural reserves, game parks, forest areas and enclosures to prevent theft and destruction;
- f) performing various underwater tasks connected with rescue work or recovery of dead bodies;
- g) taking responsibility for rehabilitation and caring of parks, supervision of the employees in fieldwork, and patrolling the boundaries of a park;
- h) directing traffic and enforcing its authority in the event of an emergency;
- i) performing related tasks; and
- j) supervising other workers.

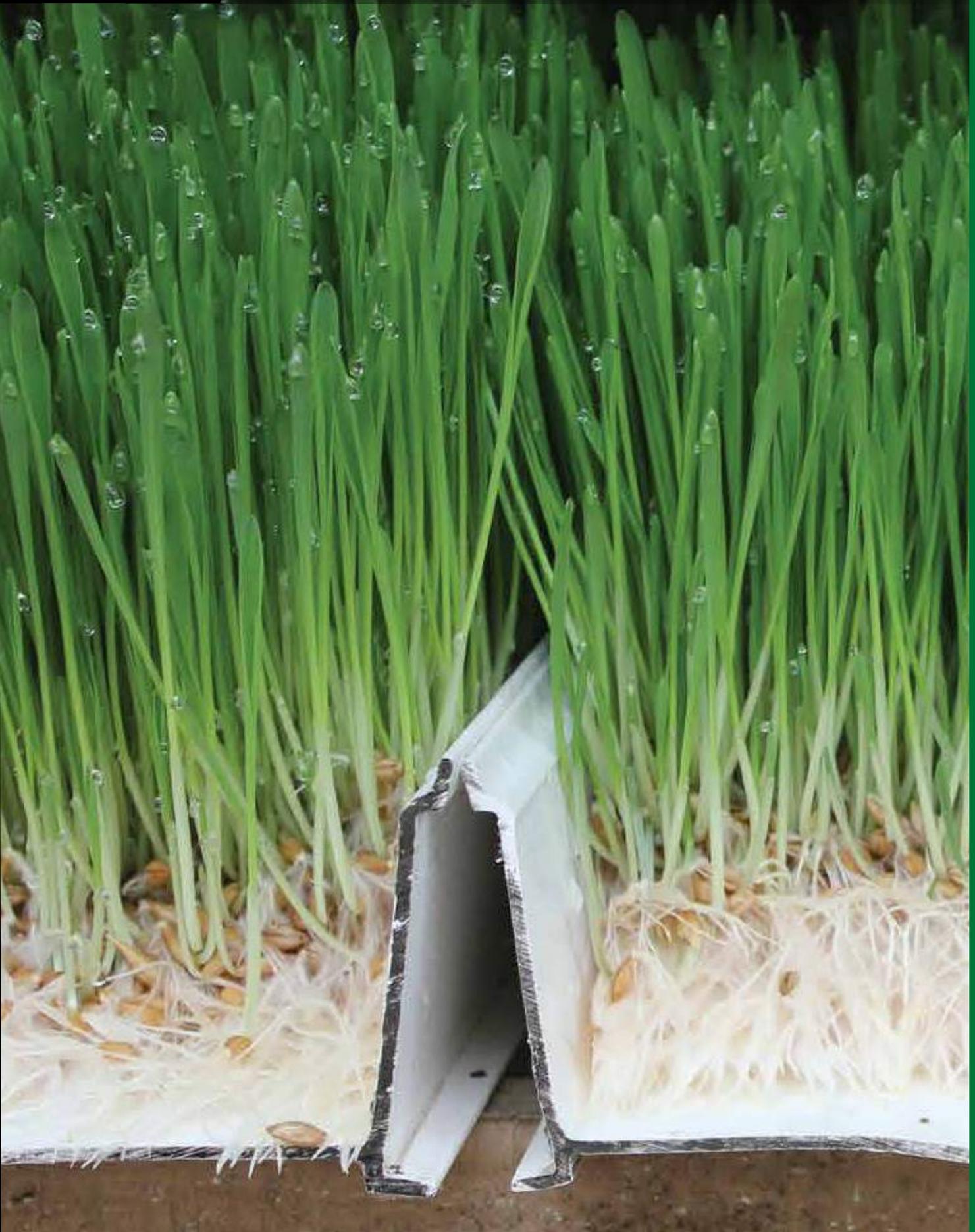
Examples of the occupations classified here: *(refer to index; unit group 5419)*

| | |
|---------|--|
| 5419-01 | Lifeguard, Grade N1 |
| 5419-02 | Maritime Enforcement Officers of Other Ranks, Grade X1 |
| 5419-03 | Game Warden |
| 5419-04 | Park Warden, Animal Recreation |



6

SKILLED AGRICULTURAL, FORESTRY, LIVESTOCK AND FISHERY WORKERS



61 MARKET-ORIENTED SKILLED AGRICULTURAL AND LIVESTOCK WORKERS**611 MARKET GARDENERS AND CROP GROWERS**

- 6111 Field Crop Growers
- 6112 Shrub Crop Growers
- 6113 Gardeners, Horticultural and Nursery Growers
- 6114 Mixed Crop Growers
- 6115 Vegetable Growers

612 ANIMAL PRODUCERS

- 6121 Livestock and Dairy Producers
- 6122 Poultry Producers
- 6123 Apiarists and Sericulturists
- 6129 Animal Producers and Related Workers Not Elsewhere Classified

613 MIXED CROP AND ANIMAL PRODUCERS

- 6131 Mixed Crop and Animal Producers

62 MARKET-ORIENTED SKILLED FORESTRY, FISHERY AND HUNTING WORKERS**621 SKILLED FORESTRY AND RELATED WORKERS**

- 6211 Skilled Forestry and Related Workers

622 SKILLED FISHERY WORKERS, HUNTERS AND TRAPPERS

- 6221 Fishery and Aquaculture Producers
- 6222 Skilled Inland and Coastal Waters Fishery Workers
- 6223 Skilled Deep-Sea Fishery Workers
- 6224 Hunters and Trappers



63 SUBSISTENCE FARMERS, FISHERMEN, HUNTERS AND GATHERERS

631 SUBSISTENCE CROP FARMERS

6311 Subsistence Crop Farmers

632 SUBSISTENCE LIVESTOCK FARMERS

6321 Subsistence Livestock Farmers

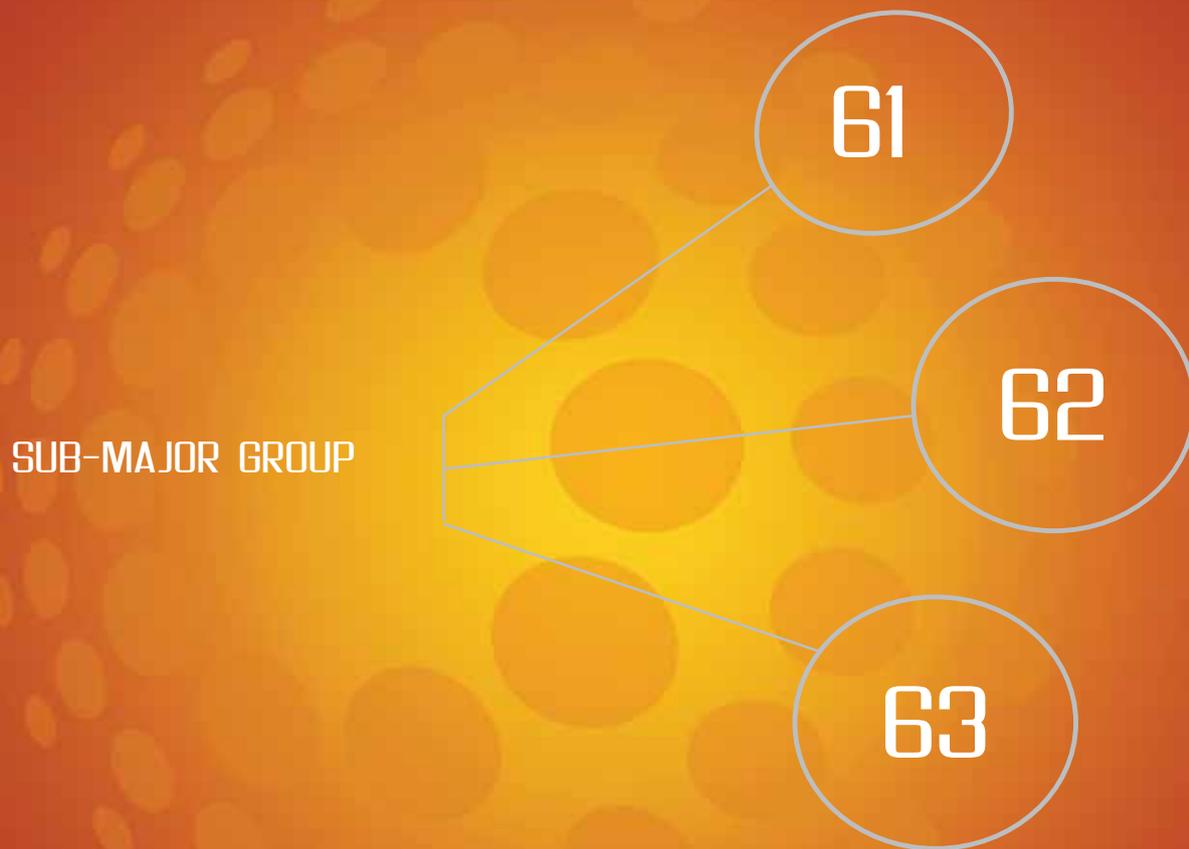
633 SUBSISTENCE MIXED CROP AND LIVESTOCK FARMERS

6331 Subsistence Mixed Crop and Livestock Farmers

634 SUBSISTENCE FISHERMEN, HUNTERS, TRAPPERS AND GATHERERS

6341 Subsistence Fishermen, Hunters, Trappers and Gatherers

SKILLED AGRICULTURAL, FORESTRY, LIVESTOCK AND FISHERY WORKERS



- 61. MARKET-ORIENTED SKILLED AGRICULTURAL AND LIVESTOCK WORKERS
- 62. MARKET-ORIENTED SKILLED FORESTRY, FISHERY AND HUNTING WORKERS
- 63. SUBSISTENCE FARMERS, FISHERMEN, HUNTERS AND GATHERERS

Description

Grow and harvest field or tree and shrub crops, gather wild fruit, herbs and vegetables, breed, tend or hunt animals, produce a variety of animal husbandry products, cultivate, conserve and gather forest products, breed or catch fish and cultivate or gather other forms of aquatic life

Skill Level

Most occupations in this major group require skills at the second level

SUB-MAJOR 61 MARKET-ORIENTED SKILLED AGRICULTURAL AND LIVESTOCK WORKERS

Market-Oriented Skilled Agricultural and Livestock Workers plan and carry out the necessary operations to grow and harvest field or tree and shrub crops, breed animals, produce a variety of animal husbandry products, or cultivate, conserve and gather forest products for sale or delivery on a regular basis to wholesalers, marketing organisations or at markets.

MINOR GROUP 611 MARKET GARDENERS AND CROP GROWERS

Market Gardeners and Crop Growers plan and carry out the necessary operations to grow and harvest field crops, to grow fruit and other tree and shrub crops, to grow garden vegetables and medicinal and other plants and to produce horticultural and horticultural nursery products for sale or delivery on a regular basis to wholesale buyers, marketing organisations or at markets.

UNIT GROUP 6111 FIELD CROP GROWERS

Field Crop Growers plan and carry out the necessary operations to grow and harvest various types of field crops such as oil palm, rubber, coconut, tapioca, sugar cane and paddy for sale or delivery on a regular basis to wholesale buyers, marketing organisations or at markets.

Tasks include:

- a) determining the kinds and amounts of crops to be grown;
- b) purchasing seeds, fertiliser and other supplies;
- c) performing operations such as soil preparation, sowing, planting, loosening soil and harvest of crops;
- d) storing and carrying out some basic processing of produce;
- e) maintaining machinery and other equipment on the farm;
- f) controlling weeds, pests and diseases by using herbicides and pesticides;
- g) promoting and marketing products, arranging the sale, purchase and transport of products and supplies, as well as maintaining and evaluating records of farm activities and transactions;
- h) training workers on the farm, supervising maintenance duties and health and safety precautions; and
- i) performing related tasks.

Example of the occupations classified here: *(refer to index; unit group 6111)*

| | |
|---------|--------------------|
| 6111-01 | Grower, Field Crop |
| 6111-02 | Grower, Rubber |
| 6111-03 | Grower, Coconut |
| 6111-04 | Grower, Oil Palm |

UNIT GROUP 6112 SHRUB CROP GROWERS

Shrub Crop Growers plan and carry out the necessary operations to grow and harvest shrubs for sale or delivery on a regular basis to wholesale buyers, marketing organisations or at markets.

Tasks include:

- a) determining the kinds and amounts of crops to be grown;
- b) purchasing seeds, fertiliser and other supplies;
- c) performing operations such as soil preparation, sowing, planting, loosening soil, fertilising and harvest of crops;
- d) maintaining the nursery, greenhouse, machinery and other equipment;
- e) controlling weeds, pests and diseases with the use of herbicides and pesticides;
- f) promoting and marketing products, arranging the sale, purchase and transport of products and supplies, as well as maintaining and evaluating records of farm activities and transactions;
- g) training workers on the farm, supervising maintenance duties and health and safety precautions; and
- h) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 6112)*

| | |
|---------|---------------------|
| 6112-01 | Grower, Shrub Trees |
| 6112-02 | Grower, Coco |
| 6112-03 | Grower, Tea |
| 6112-04 | Grower, Pomegranate |

UNIT GROUP 6113 GARDENERS, HORTICULTURAL AND NURSERY GROWERS

Gardeners, Horticultural and Nursery Growers plan and carry out the necessary operations to grow vegetables by intensive cultivation techniques, to cultivate trees, shrubs, flowers and other plants and to produce saplings, bulbs and seeds for sale or delivery on a regular basis to wholesale buyers, marketing organisations or at markets.

Tasks include:

- a) determining the kinds and amounts of vegetables, horticultural and nursery products to be grown;
- b) performing operations such as soil preparation, sowing, planting and harvest of crops;
- c) producing saplings, bulbs and seeds;
- d) cultivating flowers, trees, shrubs and other plants in parks or public or private gardens;
- e) growing plants for exhibition or medicinal purposes;
- f) protecting and maintaining the green house, machinery and equipment in the nursery;
- g) delivering or marketing products;
- h) storing and carrying out some processing of produce; and
- i) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 6113)*

| | |
|---------|-------------------|
| 6113-01 | Gardener |
| 6113-02 | Flower Grower |
| 6113-03 | Horticulturist |
| 6113-04 | Hydroponic Grower |

UNIT GROUP 6114 MIXED CROP GROWERS

Mixed Crop Growers plan and carry out the necessary operations to grow and harvest specific combinations of field crops, field vegetables, tree and shrub crops, garden, horticultural and nursery products, for sale or delivery on a regular basis to wholesale buyers, marketing organisations or at markets.

Tasks include:

- a) determining kinds and amounts of crops to be grown;
- b) purchasing seeds, fertiliser and other supplies;
- c) performing operations such as soil preparation, sowing, planting, tending and harvest of crops;
- d) growing vegetables by intensive cultivation and producing saplings, bulbs and seeds;
- e) storing and carrying out some processing of produce;
- f) controlling weeds, pests and diseases by using herbicides and pesticides;
- g) promoting and marketing products, arranging the sale, purchase and transport of products and supplies, as well as maintaining and evaluating records of farm activities and transactions;
- h) training workers on the farm, supervising maintenance duties and health and safety precautions;
- i) maintaining buildings, machinery and other equipment;
- j) delivering or marketing products; and
- k) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 6114)*

| | |
|---------|-----------------------------------|
| 6114-01 | Mixed Crop Grower |
| 6114-02 | Mixed Crop Farmer |
| 6114-03 | Skilled Farm Worker (Mixed Crops) |

UNIT GROUP 6115 VEGETABLE GROWERS

Vegetable Growers plan and carry out the necessary operations to grow and harvest various types of vegetables for sale or delivery on a regular basis to wholesale buyers, marketing organisations or at markets.

Tasks include:

- a) determining the types and amounts of crops to be grown;
- b) purchasing seeds, fertiliser and other supplies;
- c) performing operations such as soil preparation, sowing, planting, tending and harvest of crops;
- d) growing vegetables by intensive cultivation and producing saplings, bulbs and seeds;
- e) storing and carrying out some processing of produce;
- f) delivering or marketing products; and
- g) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 6115)*

| | |
|---------|---------------------|
| 6115-01 | Vegetable Grower |
| 6115-02 | Lentil Grower |
| 6115-03 | Black Pepper Farmer |
| 6115-04 | Chilli Farmer |

MINOR GROUP 612 ANIMAL PRODUCERS

Animal Producers plan and perform operations to breed and raise domesticated animals, poultry, insects and non-domesticated animals for the production of meat, dairy products, honey, skins, textiles and other products, or for use as working, sporting or recreational animals, for sale or delivery on a regular basis to wholesale buyers, marketing organisations or at markets.

UNIT GROUP 6121 **LIVESTOCK AND DAIRY PRODUCERS**

Livestock and Dairy Producers plan and carry out the necessary operations to breed, raise and tend livestock such as cattle, sheep, pigs, goats, horses, dogs and cats to be used as working, sporting or pet animals as well as to obtain meat, milk, wool, skin and other products for sale or delivery on a regular basis to wholesale buyers, marketing organisations or at markets.

Tasks include:

- a) determining the kinds and number of livestock and livestock products to be produced;
- b) purchasing animals, producing and purchasing fodder and other supplies;
- c) breeding, raising and tending livestock;
- d) milking animals;
- e) shearing coats to obtain wool;
- f) preparing animals or animal products for the market;
- g) storing and carrying out some processing of livestock products;
- h) carrying out the work related to livestock reproduction such as breeding, artificial insemination, and helping with animal births;
- i) maintaining buildings, machinery and farm equipment;
- j) delivering or marketing farm products; and
- k) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 6121)*

| | |
|---------|---|
| 6121-01 | Breeder, Livestock |
| 6121-02 | Breeder, Dairy |
| 6121-03 | Skilled Farm Worker, Mixed Animal Husbandry |
| 6121-04 | Producer, Dairy |

UNIT GROUP 6122 **POULTRY PRODUCERS**

Poultry Producers plan and carry out the necessary operations to breed, raise and tend poultry to produce eggs, meat, nest or feathers and breeding stock for sale or delivery on a regular basis to wholesale buyers, marketing organisations or at markets.

Tasks include:

- a) determining the kinds and number of poultry and the products to be produced;
- b) monitoring market activity, planning and coordinating production accordingly, and maintaining and evaluating records of farming activities;
- c) monitoring and examining poultry to detect illness, injury or infection, and to check physical condition such as rate of weight gain, and removing weak, ill and dead poultry from the flock;
- d) vaccinating livestock through drinking water, injection or dusting of air;
- e) collecting, storing, packing and shipping products for sale on the market;
- f) collecting, storing and packing eggs for sale on the market;
- g) determining the sex of chicks and facilitating breeding, artificial insemination and hatching of eggs;

- h) training and supervising workers on poultry production procedures, maintenance duties, and safety and health precautions;
- i) storing and carrying out some processing of livestock products;
- j) delivering or marketing farm products; and
- k) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 6122)*

| | |
|---------|-----------------|
| 6122-01 | Farmer, Goose |
| 6122-02 | Farmer, Chicken |
| 6122-03 | Farmer, Bird |
| 6122-04 | Farmer, Duck |

UNIT GROUP 6123 APJARISTS AND SERICULTURISTS

Apjarists and Sericulturists plan and carry out the necessary operation to breed, raise and tend insects such as honey bees, silkworms and other species to produce honey, beeswax, silk and other products for sale or delivery on a regular basis to wholesalers, marketing organisations or at markets.

Tasks include:

- a) monitoring market activity, planning and coordinating production accordingly, monitoring market activity by regulations, determining the types and amounts of insect products to produce, planning and coordinating production accordingly;
- b) purchasing and rearing insects or buying food and other supplies;
- c) breeding, raising and tending insects, and collecting their products;
- d) arranging the sale, purchase and transport of stock; and
- e) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 6123)*

| | |
|---------|---------------|
| 6123-01 | Apjarist |
| 6123-02 | Sericulturist |
| 6123-03 | Farmer, Leech |
| 6123-04 | Farmer, Worm |

UNIT GROUP 6129 ANIMAL PRODUCERS AND RELATED WORKERS NOT ELSEWHERE CLASSIFIED

This unit group includes Animal Producers and Related Workers Not Elsewhere Classified in Minor Group 612: Animal Producers.

Tasks include:

- a) buying or setting up the necessary buildings, open or sheltered spaces, equipment, etc and maintaining them;
- b) determining the kinds and number of animals to be raised;
- c) breeding, raising, feeding and tending animals;
- d) storing and carrying out some processing of the products; and
- e) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 6129)*

| | |
|---------|---------------------------------------|
| 6129-01 | Inseminator, Poultry |
| 6129-02 | Vaccinator |
| 6129-03 | Worker, Incubator |
| 6129-04 | Fur Farmer (Non-Domesticated Animals) |

MINOR GROUP 613 MIXED CROP AND ANIMAL PRODUCERS

Mixed Crop and Animal Producers plan and carry out the necessary operations for mixed farming of the kind that produces a combination of both crops and animals and related products, for delivery or sale on a regular basis to wholesale buyers, marketing organisations or at markets.

UNIT GROUP 6131 MIXED CROP AND ANIMAL PRODUCERS

Mixed Crop and Animal Producers plan and carry out the necessary operations for mixed farming of the kind that produces a combination of both crops and animals and related products, for delivery or sale on a regular basis to wholesale buyers, marketing organisations or at markets.

Tasks include:

- a) determining the kinds and amounts of crops to be grown;
- b) controlling weeds, pests and diseases with the use of herbicides and pesticides;
- c) purchasing seeds, fertiliser and other supplies;
- d) storing and carrying out some processing of farm products;
- e) performing operations such as soil preparation, sowing, planting, loosening soil and harvest of crops;
- f) storing and carrying out some basic processing of farm products;
- g) determining the kinds, amounts of livestock and livestock products to be produced;
- h) maintaining machinery and other equipment in the field;
- i) delivering or marketing farm products; and
- j) performing related tasks.

Examples of the occupations classified here: (*refer to index; unit group 6131*)

| | |
|---------|--|
| 6131-01 | Mixed Product Farmer (Crops and Husbandry) |
| 6131-02 | Farmer (Mixed Farming) |
| 6131-03 | Skilled Farm Worker (Mixed Farming) |

SUB-MAJOR 62 MARKET-ORIENTED SKILLED FORESTRY, FISHERY AND HUNTING WORKERS

Market-Oriented Skilled Forestry, Fishery and Hunting Workers plan, organise and perform operations to cultivate, conserve and exploit natural and plantation forests, breed and raise fish, harvest and catch fish, and hunt and trap animals for sale or delivery on a regular basis to wholesale buyers, marketing organisations or at markets.

MINOR GROUP 621 SKILLED FORESTRY AND RELATED WORKERS

Skilled Forestry and Related Workers plan and carry out the necessary operations to cultivate, conserve and exploit forests for sale or delivery on a regular basis to wholesale buyers, marketing organisations or at markets.

UNIT GROUP 6211 SKILLED FORESTRY AND RELATED WORKERS

Skilled Forestry and Related Workers carry out the necessary operations to cultivate, conserve and exploit forests for sale or delivery on a regular basis to wholesale buyers, marketing organisations or at markets.

Tasks include:

- a) establishing and tending the forest area;
- b) locating trees to be felled and estimating the volume of timber;
- c) trimming, topping and felling trees and sawing them into logs;
- d) shaping rough wooden products from logs at felling site;
- e) grading logs;
- f) supervising logging work, conducting block surveys, grid lines, measurement, topography and tree census;
- g) teaching trainees to handle and maintain heavy machinery for logging, technique to build timber roads and to extract timber from the jungle;
- h) regulating forest development work, operations, enforcement of factories and encroachment of recreational forests; and
- i) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 6211)*

| | |
|---------|--------------------------------------|
| 6211-01 | Forest Guard, Grade G11 |
| 6211-02 | Junior Wildlife Assistant, Grade G11 |
| 6211-03 | Logger |
| 6211-04 | Tree Feller |

MINOR GROUP 622 **SKILLED FISHERY WORKERS, HUNTERS AND TRAPPERS**

Skilled Fishery Workers, Hunters and Trappers catch, breed and cultivate fish and other forms of aquatic life or hunt and trap animals for sale or delivery on a regular basis to wholesale buyers, marketing organisations or at markets.

UNIT GROUP 6221 **FISHERY AND AQUACULTURE PRODUCERS**

Fishery and Aquaculture Producers plan and carry out the necessary operations to breed and cultivate fish, mussels, oysters and other forms of aquatic life and produce aquatic products such as fishballs, crackers, otak-otak, shells, sea cucumber, dried aquatic products and the cultivation of ornamental fish for sale or delivery on a regular basis to wholesalers, marketing organisations or at markets.

Tasks include:

- a) planning and managing the operation of hatcheries taking into consideration environmental and market factors;
- b) breeding, raising and tending fish and collecting its derivatives;
- c) monitoring and maintaining water quality to maintain health standards and optimal growth conditions;
- d) identifying and controlling against toxins and environmental diseases;
- e) directing and supervising catching, grading and packaging of fish, prawns, oysters and stock of other aquatic life forms;
- f) preparing fish and other products for shipment;
- g) cleaning, freezing, pickling or salting aquatic products;
- h) maintaining ponds, cages, water temperature and equipment;
- i) delivering or marketing products; and
- j) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 6221)*

| | |
|---------|---------------------------|
| 6221-01 | Farmer, Fishery Livestock |
| 6221-02 | Farmer, Fishery |
| 6221-03 | Pearl Culturist |
| 6221-04 | Skilled Fish Farm Worker |

UNIT GROUP 6222 **SKILLED INLAND AND COASTAL WATERS FISHERY WORKERS**

Skilled Inland and Coastal Waters Fishery Workers, alone or as crewmen of fishing boats, catch fish or gather other forms of aquatic life in inland or coastal waters for sale or delivery on a regular basis to wholesalers, marketing organisations or at markets.

Tasks include:

- a) preparing and repairing nets and other fishing gear and equipment;
- b) operating and maintaining the fishing boat to, from and at fishing grounds;
- c) baiting, setting and hauling in fishing gear;
- d) gathering different forms of aquatic life from shores and shallow waters;
- e) cleaning, freezing or salting haul;
- f) diving to gather oysters used for seed-pearl cultivation;
- g) delivering or marketing products; and
- h) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 6222)*

| | |
|---------|-------------------------|
| 6222-01 | Fishery Worker, Kelong |
| 6222-02 | Fishery Worker, Inland |
| 6222-03 | Fishery Worker, Coastal |
| 6222-04 | Diver, Pearl |

UNIT GROUP 6223 SKILLED DEEP-SEA FISHERY WORKERS

Skilled Deep-Sea Fishery Workers, as crewmen of fishing boats, catch deep-sea fish for sale or delivery on a regular basis to wholesalers, marketing organisations or at markets.

Tasks include:

- a) preparing and repairing nets and other fishing gear and equipment;
- b) operating and maintaining fishing vessels to, from and at fishing grounds;
- c) baiting, setting and hauling in fishing gear;
- d) cleaning, freezing, pickling or salting haul on- or offshore;
- e) delivering or marketing the haul; and
- f) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 6223)*

| | |
|---------|--------------------------|
| 6223-01 | Fishery Worker, Deep-Sea |
| 6223-02 | Fisherman (Deep Sea) |
| 6223-03 | Trawler Crewman |

UNIT GROUP 6224 HUNTERS AND TRAPPERS

Hunters and Trappers catch and kill mammals, birds or reptiles mainly to obtain meat, skin, feathers and other products for sale or delivery on a regular basis to wholesale buyers, marketing organisations or at markets.

Tasks include:

- a) determining the types of mammals, birds or reptiles to hunt or trap;
- b) setting traps to catch mammals, birds or reptiles;
- c) killing trapped or free mammals, birds or reptiles with firearms or other weapons;
- d) skinning and processing killed mammals, birds or reptiles to obtain desired products for sale or delivery;
- e) delivering or selling trapped live mammals, birds or reptiles;
- f) repairing and maintaining equipment; and
- g) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 6224)*

| | |
|---------|--------------|
| 6224-01 | Hunter |
| 6224-02 | Trapper |
| 6224-03 | Fur Trapper |
| 6224-04 | Whale Hunter |

SUB-MAJOR 63 SUBSISTENCE FARMERS, FISHERMEN, HUNTERS AND GATHERERS

Subsistence Farmers, Fishermen, Hunters and Gatherers grow and harvest field or tree and shrub crops, vegetables and fruit, gather wild fruit and medicinal and other plants, hunt or trap animals, catch fish and gather various forms of aquatic life in order to provide food, shelter and a minimum cash income for themselves and their households.

MINOR GROUP 631 SUBSISTENCE CROP FARMERS

Subsistence Crop Farmers grow and harvest field or tree and shrub crops, vegetables and fruit in order to provide food, shelter and a minimum cash income for themselves and their households.

UNIT GROUP 6311 SUBSISTENCE CROP FARMERS

Subsistence Crop Farmers grow and harvest field or tree and shrub crops, vegetables and fruit in order to provide food, shelter and a minimum cash income for themselves and their households.

Tasks include:

- a) determining the kinds and amounts of crops to be grown;
- b) purchasing seeds, fertiliser and other supplies;
- c) performing operations such as soil preparation, sowing, planting, loosening soil and harvesting crops;
- d) growing vegetables, fruit and shrubs, and other plants;
- e) selling some products at local markets; and
- f) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 6311)*

| | |
|---------|-------------------------|
| 6311-01 | Subsistence Crop Grower |
|---------|-------------------------|

MINOR GROUP 632 SUBSISTENCE LIVESTOCK FARMERS

Subsistence Livestock Farmers breed, raise and tend livestock in order to provide food, shelter and a minimum cash income for themselves and their households.

UNIT GROUP 6321 SUBSISTENCE LIVESTOCK FARMERS

Subsistence Livestock Farmers breed, raise and tend livestock in order to provide food, shelter and a minimum cash income for themselves and their households.

Tasks include:

- a) determining the kinds and amounts of livestock and livestock products to be produced;
- b) purchasing animals, producing and purchasing fodder and other supplies;
- c) breeding, raising and tending livestock;
- d) milking, slaughtering and skinning animals, and preparing animals or animal products for the market;
- e) storing and carrying out some basic processing of livestock products;
- f) delivering or marketing farm products; and
- g) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 6321)*

| | |
|---------|------------------------------|
| 6321-01 | Subsistence Livestock Farmer |
|---------|------------------------------|

MINOR GROUP 633 SUBSISTENCE MIXED CROP AND LIVESTOCK FARMERS

Subsistence Mixed Crop and Livestock Farmers grow and harvest field or tree and shrub crops and various mixed crops, vegetables and wild fruit, medicinal and other plants, hunt or trap animals or catch fish and gather various forms of aquatic life in order to provide food, shelter and a minimum cash income for themselves and their households.

UNIT GROUP 6331 SUBSISTENCE MIXED CROP AND LIVESTOCK FARMERS

Subsistence Mixed Crop and Livestock Farmers grow and harvest field or tree and shrub crops and various mixed crops, vegetables and wild fruit, medicinal and other plants, hunt or trap animals or catch fish and gather various forms of aquatic life in order to provide food, shelter and a minimum cash income for themselves and their households.

Tasks include:

- a) determining the kinds and amounts of livestock and livestock products to be produced and amounts of crops to be grown;
- b) purchasing animals, producing and purchasing fodder and other supplies;
- c) purchasing seeds, fertiliser and other supplies;
- d) performing operations such as soil preparation, sowing, planting, loosening soil and harvesting crops;
- e) breeding, raising and tending livestock;
- f) milking, slaughtering and skinning animals, and preparing animals or animal products for the market;
- g) storing and carrying out some basic processing of the crop and livestock products;
- h) delivering or marketing farm products;
- i) selling some products at local markets; and
- j) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 6331)*

| | |
|---------|---|
| 6331-01 | Subsistence Mixed Crop and Livestock Farmer |
|---------|---|

MINOR GROUP 634 SUBSISTENCE FISHERMEN, HUNTERS, TRAPPERS AND GATHERERS

Subsistence Fishermen, Hunters, Trappers and Gatherers gather wild fruit, medicinal and other plants, and hunt and trap animals, and catch fish and gather various forms of aquatic life in order to provide food, shelter and a minimum cash income for themselves and their households.

UNIT GROUP 6341 SUBSISTENCE FISHERMEN, HUNTERS, TRAPPERS AND GATHERERS

Subsistence Fishermen, Hunters, Trappers and Gatherers gather wild fruit, medicinal and other plants, and hunt and trap animals, and catch fish and gather various forms of aquatic life in order to provide food, shelter and a minimum cash income for themselves and their households.

Tasks include:

- a) gathering wild fruit, roots, medicinal and other plants;
- b) hunting or trapping animals mainly to obtain meat, milk, hair, skin or other products;
- c) catching fish and gathering a various forms of other aquatic life;
- d) gathering and picking various other products;
- e) selling gathered products and preparing them for the local market; and
- f) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 6341)*

| | |
|---------|-------------------------|
| 6341-01 | Collector, <i>Petai</i> |
| 6341-02 | Collector, Resin |
| 6341-03 | Gatherer, Shellfish |
| 6341-04 | Collector, Bird's Nest |



7

CRAFT AND RELATED TRADES WORKERS



71 BUILDING AND RELATED TRADES WORKERS (EXCLUDING ELECTRICIANS)

711 BUILDING FRAME AND RELATED TRADES WORKERS

- 7111 House Builders
- 7112 Bricklayers and Related Workers
- 7113 Stonemasons, Stone Cutters, Splitters and Carvers
- 7114 Concrete Placers, Concrete Finishers and Related Workers
- 7115 Carpenters and Joiners
- 7119 Building Frame and Related Trades Workers Not Elsewhere Classified

712 BUILDING FINISHERS AND RELATED TRADES WORKERS

- 7121 Roofers
- 7122 Floor Layers and Tile Setters
- 7123 Plasterers
- 7124 Insulation Workers
- 7125 Glaziers
- 7126 Plumbers and Pipe Fitters
- 7127 Air Conditioning and Refrigeration Mechanics

713 PAINTERS, BUILDING STRUCTURE CLEANERS AND RELATED TRADES WORKERS

- 7131 Painters and Related Workers
- 7132 Spray Painters and Varnishers
- 7133 Building Structure Cleaners

72 METAL, MACHINERY AND RELATED TRADES WORKERS

721 SHEET AND STRUCTURAL METAL WORKERS, MOULDERS AND WELDERS AND RELATED TRADES WORKERS

- 7211 Metal Moulders and Coremakers
- 7212 Welders and Flame Cutters
- 7213 Sheet-Metal Workers
- 7214 Structural-Metal Preparers and Erectors
- 7215 Riggers and Cable Splicers

722 BLACKSMITHS, TOOLMAKERS AND RELATED TRADES WORKERS

- 7221 Blacksmiths, Hammersmiths and Forging-Press Workers
- 7222 Toolmakers and Related Workers
- 7223 Metal Working Machine Tool Setters and Operators
- 7224 Metal Polishers, Wheel Grinders and Tool Sharpeners



723 MACHINERY MECHANICS AND REPAIRERS

- 7231 Motor Vehicle Mechanics and Repairers
- 7232 Aircraft Engine Mechanics and Repairers
- 7233 Agricultural and Industrial Machinery Mechanics and Repairers
- 7234 Bicycle and Related Repairers
- 7239 Machinery Mechanics and Repairers Not Elsewhere Classified

73 HANDICRAFT AND PRINTING WORKERS

731 HANDICRAFT WORKERS

- 7311 Precision Instrument Makers and Repairers
- 7312 Musical Instrument Makers and Tuners
- 7313 Jewellery and Precious Metal Workers
- 7314 Potters and Related Workers
- 7315 Glass Makers, Cutters, Grinders and Finishers
- 7316 Sign Writers, Decorative Painters, Engravers and Etchers
- 7317 Handicraft Workers in Wood, Basketry and Related Materials
- 7318 Handicraft Workers in Textile, Leather and Related Materials
- 7319 Handicraft Workers Not Elsewhere Classified

732 PRINTING TRADES WORKERS

- 7321 Pre-press Workers
- 7322 Printers
- 7323 Print Finishing and Binding Workers
- 7324 Printing and Photo Engravers and Etchers

74 ELECTRICAL AND ELECTRONIC TRADES WORKERS

741 ELECTRICAL EQUIPMENT INSTALLERS AND REPAIRERS

- 7411 Building and Related Electricians
- 7412 Electrical Mechanics and Fitters
- 7413 Electrical Line Installers and Repairers

742 ELECTRONICS AND TELECOMMUNICATIONS INSTALLERS AND REPAIRERS

- 7421 Electronics Mechanics and Servicers
- 7422 Information and Communications Technology Installers and Servicers

75 FOOD PROCESSING AND RELATED WORKERS**751 FOOD PROCESSING AND RELATED WORKERS**

- 7511 Meat and Fish Processing Workers and Related Food Preparers
- 7512 Bakers, Pastry and Pasta Cooks, and Confectionery Makers
- 7513 Dairy-Product Makers
- 7514 Fruit, Vegetable and Related Preservers
- 7515 Food and Beverage Tasters and Graders
- 7516 Tobacco Preparers and Tobacco Products Makers

76 OTHER CRAFT WORKERS**761 WOOD TREATERS, CABINET-MAKERS AND RELATED TRADES WORKERS**

- 7611 Wood Treaters
- 7612 Cabinet-Makers and Related Workers
- 7613 Woodworking-Machine Tool Setters and Operators

762 GARMENT AND RELATED WORKERS

- 7621 Tailors, Dressmakers, Furriers and Hatters
- 7622 Garment and Related Pattern-Makers and Cutters
- 7623 Shoemakers and Related Workers
- 7624 Upholsterers and Related Workers
- 7625 Pelt Dressers, Tanners and Fellmongers

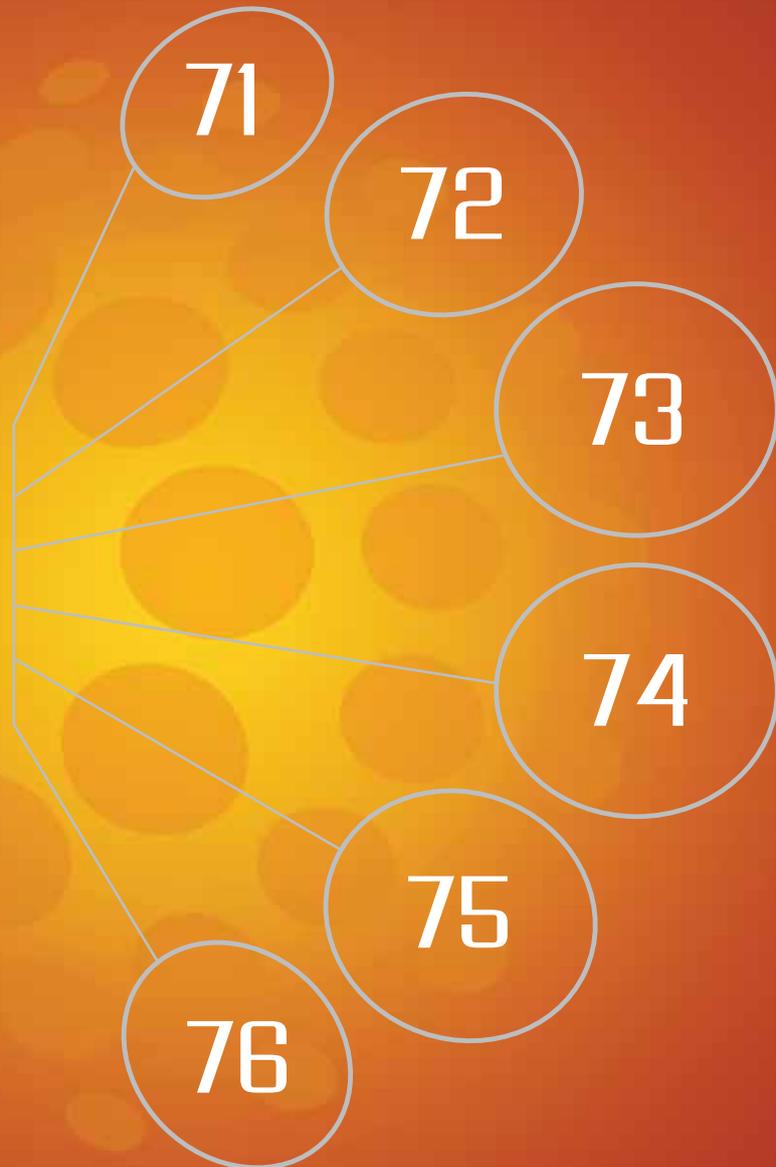
763 OTHER CRAFT AND RELATED WORKERS

- 7631 Underwater Divers
- 7632 Shotfirers and Blasters
- 7633 Product Graders and Testers (Excluding Foods and Beverages)
- 7634 Fumigators and Pest and Weed Controllers
- 7639 Other Related Craft Workers Not Elsewhere Classified



CRAFT AND RELATED TRADES WORKERS

SUB-MAJOR GROUP



- 71. BUILDING AND RELATED TRADES WORKERS (EXCLUDING ELECTRICIANS)
- 72. METAL, MACHINERY AND RELATED TRADES WORKERS
- 73. HANDICRAFT AND PRINTING WORKERS
- 74. ELECTRICAL AND ELECTRONIC TRADES WORKERS
- 75. FOOD PROCESSING AND RELATED WORKERS
- 76. OTHER CRAFT WORKERS

MAJOR GROUP 7 CRAFT AND RELATED TRADES WORKERS

Description

Apply their specific knowledge and skills in the fields of mining and construction, metal forming, and erect metal structures, make, fit, maintain and repair machinery, equipment or tools, carry out printing work as well as produce or process foodstuffs, textiles, or wooden, metal and other articles including handicraft goods.

The work is carried out by hand or by hand-powered and other tools which are used to reduce the amount of physical effort and time required for specific tasks, as well as to improve the quality of the products. The tasks call for an understanding of all stages of the production process, the materials and tools used, and the nature and purpose of the final product

Skill Level

Most occupations in this major group require skills at the second level

SUB MAJOR 71 BUILDING AND RELATED TRADES WORKERS (EXCLUDING ELECTRICIANS)

Building and Related Trades Workers (Excluding Technician) construct, maintain and repair buildings, erect and repair foundations, walls and structures of brick, stone and similar materials, shape and finish stone for building and other purposes.

The work is carried out by hand and by hand-powered and other tools which are used to reduce the amount of physical effort and time required for specific tasks, as well as to improve the quality of the products. The tasks call for an understanding of the work organisation, the materials and tools used, and the nature and purpose of the final product.

MINOR GROUP 711 BUILDING FRAME AND RELATED TRADES WORKERS

Building Frame and Related Trades Workers construct, maintain and repair buildings, erect and repair foundations, walls and structures of brick, stone and similar materials, shape and finish stone for building and other purposes, and perform miscellaneous building construction and maintenance tasks.

UNIT GROUP 7111 HOUSE BUILDERS

House Builders erect, maintain and repair houses and similar small buildings using either traditional or modern techniques and materials.

Tasks include:

- a) preparing the ground for erecting a building or other structures;
- b) erecting structures to support the roof and building, and covering walls with appropriate materials;
- c) fixing rafters to the roof and covering with roofing material;
- d) levelling the floor to make it smooth and serviceable;
- e) maintaining and repairing existing structures;
- f) arranging for specialised work such as bricklaying, painting, plumbing and electrical wiring to be done by subcontractors; and
- g) performing related tasks.

Examples of the occupations classified here: [\(refer to index; unit group 7111\)](#)

7111-01 House Builder

UNIT GROUP 7112 BRICKLAYERS AND RELATED WORKERS

Bricklayers and Related Workers lay bricks, pre-cut stones and other types of building blocks to construct and repair walls, partitions, arches and other structures.

Tasks include:

- laying stone, brick and similar building blocks to construct or repair walls, partitions, fireplaces and other structures such as smokestacks, furnaces, converters, kilns and ovens, piers and abutments;
- laying footpaths, kerbs and pavements;
- laying bricks or other masonry to build patios, garden walls and other decorative installations; and
- performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7112)*

| | |
|---------|-----------------|
| 7112-01 | Bricklayer |
| 7112-02 | Stonemason |
| 7112-03 | Firebrick Layer |
| 7112-04 | Paviour |

UNIT GROUP 7113 STONEMASONS, STONE CUTTERS, SPLITTERS AND CARVERS

Stonemasons, Stone Cutters, Splitters and Carvers cut and shape hard and soft stone blocks and slabs for the construction and maintenance of stone structures and monumental masonry, and carve designs and figures in stone.

Tasks include:

- driving wedges into quarried stone to break it into slabs or blocks;
- selecting and grading slabs and blocks of granite, marble and other stone;
- cutting, shaping and finishing building and monumental stone such as granite or marble by hand or using hand-powered tools;
- making patterns and marking shapes on stone for subsequent sawing, planing, drilling and other dressing and cutting operations;
- cutting and carving characters, figures or designs on stone blocks used for monuments or memorials;
- setting stone in the erection of monuments and memorials;
- carrying out inspection, servicing and maintenance (based on their respective fields or specialisation);
- repairing and replacing stonework on old buildings, churches and monuments; and
- performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7113)*

| | |
|---------|--------------------------------|
| 7113-01 | Tradesman K3 – Mason, Grade R9 |
| 7113-02 | Splitter, Stone |
| 7113-03 | Stone Lathe Worker |
| 7113-04 | Cutter, Stone |

UNIT GROUP 7114 CONCRETE PLACERS, CONCRETE FINISHERS AND RELATED WORKERS

Concrete Placers, Concrete Finishers and Related Workers erect reinforced concrete frameworks and structures, make forms for moulding concrete, reinforce concrete surfaces, cement openings in walls or casings for wells, finish and repair cement surfaces and carry out terrazzo work.

Tasks include:

- a) constructing and repairing reinforced concrete floors, walls, tanks, silos and other concrete structures;
- b) making shuttering or assembling prefabricated forms for moulding concrete;
- c) cementing openings in walls or casings for wells;
- d) finishing and smoothing surfaces of concrete structures;
- e) applying a durable, smooth surfacing composed of cement, sand pigment and marble particles to floors, known as a terrazzo finish; and
- f) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7114)*

| | |
|---------|------------------------------|
| 7114-01 | Reinforced Concrete Worker |
| 7114-02 | Shutterer, Concrete Moulding |
| 7114-03 | Shutterer, Concrete |
| 7114-04 | Worker, Iron Reinforcing |

UNIT GROUP 7115 CARPENTERS AND JOINERS

Carpenters and Joiners cut, shape, assemble, erect, maintain and repair various types of wooden structures and fittings.

Tasks include:

- a) making, altering and repairing structural and other woodwork at a workbench and on a construction site;
- b) fitting, assembling and altering internal and external fixtures of buildings such as walls, doors, door and window frames, facings and panelling;
- c) making, repairing and fitting props for theatrical performances, motion picture or television productions;
- d) constructing, assembling, altering and repairing wooden fixtures and fittings in train coaches, aircraft, ships, boats, floats and other vehicles; and
- e) carrying out inspection, servicing and maintenance work (based on field or specialisation); and
- f) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7115)*

| | |
|---------|------------------------------------|
| 7115-01 | Tradesman K3 – Carpenter, Grade R9 |
| 7115-02 | Tradesman K3 – Joiner, Grade R9 |
| 7115-03 | Carpenter |
| 7115-04 | Carpenter, Construction |

UNIT GROUP 7119 BUILDING FRAME AND RELATED TRADES WORKERS NOT ELSEWHERE CLASSIFIED

This unit group includes Building Frame and Related Trades Workers Not Elsewhere Classified in Minor Group 711: Building Frame and Related Trades Workers.

Tasks include:

- a) performing miscellaneous construction and building maintenance work on structures such as office buildings, apartments, factories and similar establishments to keep them in good condition;
- b) erecting temporary metal or wooden scaffolding on building sites;
- c) demolishing buildings and other structures; and
- d) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7119)*

| | |
|---------|------------------------------|
| 7119-01 | Worker, Building Maintenance |
| 7119-02 | Pipe Layer |
| 7119-03 | Drain Layer |
| 7119-04 | Scaffolder |

MINOR GROUP 712 BUILDING FINISHERS AND RELATED TRADES WORKERS

Building Finishers and Related Trades Workers cover, apply or install, maintain and repair roofs, floors, walls, insulation systems, glass in windows or other frames, as well as plumbing, piping and electrical systems in buildings and other structures.

UNIT GROUP 7121 ROOFERS

Roofers build and repair roofs on all types of buildings using one or more kinds of materials.

Tasks include:

- a) studying drawings, specifications and construction sites to determine materials required;
- b) covering roof frameworks with slate and pre-fabricated tiles to cover pitched roofs;
- c) laying a waterproof shield and fixing metallic or synthetic materials to a building frame;
- d) sizing and cutting roofing materials to fit around edges, corners and protuberances such as chimneys;
- e) using natural materials such as thatching to provide roof coverings; and
- f) creating temporary structures such as scaffolding and ladders; and
- g) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7121)*

| | |
|---------|-----------------|
| 7121-01 | Roofer |
| 7121-02 | Roofer, Thatch |
| 7121-03 | Roofer, Nipa |
| 7121-04 | Roofer, Asphalt |

UNIT GROUP 7122 FLOOR LAYERS AND TILE SETTERS

Floor Layers and Tile Setters install, maintain and repair flooring, and cover floors, walls and other surfaces with tiles or mosaic panels for decorative or other purposes.

Tasks include:

- preparing floor areas for covering with a variety of materials;
- assembling carpet, tiles or other materials and laying them on floors according to design and other specifications;
- preparing wall areas for covering with tiles or other materials for decorative or other purposes;
- setting tiles and constructing and laying mosaic panels to walls, floors and other surfaces;
- performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7122)*

| | |
|---------|------------------|
| 7122-01 | Installer, Tile |
| 7122-02 | Tile Setter |
| 7122-03 | Marble Setter |
| 7122-04 | Parquetry Worker |

UNIT GROUP 7123 PLASTERERS

Plasterers install, maintain and repair plasterboard in buildings, and apply decorative and protective coverings of plaster, cement and similar material to the interiors and exteriors of structures.

Tasks include:

- applying one or more coats of plaster to interior walls and ceilings of buildings to produce a finished surface;
- measuring, marking and installing ornamental plaster panels, and casting and trimming ornamental plaster cornices;
- applying protective and decorative covering of cement, plaster and similar materials to exterior building surfaces;
- making and installing decorative plaster fixtures of fibrous plaster; and
- performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7123)*

| | |
|---------|-----------------------|
| 7123-01 | Plasterer |
| 7123-02 | Plasterer, Stucco |
| 7123-03 | Plasterer, Fibrous |
| 7123-04 | Plasterer, Ornamental |

UNIT GROUP 7124 INSULATION WORKERS

Insulation Workers apply and repair insulating materials to buildings, boilers, pipes or refrigeration and air-conditioning equipment.

Tasks include:

- cutting insulation material by size and shape;
- applying slabs and sheets of insulating or sound-absorbing materials to walls, floors

- and ceilings of buildings;
- c) blowing and packing insulating or sound-absorbing materials into cavities between walls, floors and ceilings of buildings with power-driven machines;
- d) examining plans, specifications and work sites to determine the type, quality and quantity of insulation material required;
- e) applying insulating materials to exposed surfaces of equipment such as boilers, pipes and tanks;
- f) insulating refrigeration and air-conditioning equipment; and
- g) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7124)*

| | |
|---------|-----------------------------|
| 7124-01 | Insulation Worker |
| 7124-02 | Insulation Worker, Building |
| 7124-03 | Insulation Worker, Boiler |
| 7124-04 | Insulation Worker, Pipe |

UNIT GROUP 7125 GLAZIERS

Glaziers measure, cut, finish, fit and install flat glass and mirrors.

Tasks include:

- a) selecting the type of glass to be used, cutting it to the right size and shape and installing it in windows, doors, showers and partitions of buildings;
- b) installing glass and mirrors in skylights, display cases, interior walls and ceilings;
- c) installing or replacing windscreens in vehicles or boats;
- d) creating decorative glass features such as glass walls, staircases, balustrades and stained-glass windows; and
- e) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7125)*

| | |
|---------|-----------------------|
| 7125-01 | Glazier |
| 7125-02 | Glazier, Building |
| 7125-03 | Glazier, Vehicle |
| 7125-04 | Glazier, Leaded-Glass |

UNIT GROUP 7126 PLUMBERS AND PIPE FITTERS

Plumbers and Pipe Fitters assemble, install, repair and maintain pipe systems, fittings and fixtures for water, gas, drainage, sewerage systems, and hydraulic and pneumatic equipment.

Tasks include:

- a) measuring, cutting, threading, bending, jointing, assembling, installing, maintaining and repairing pipes, fittings and fixtures of drainage, heating, water supply and sewerage systems;
- b) installing gas appliances, dishwashers and water heaters, sinks and toilets using hand and power tools;
- c) laying clay, concrete or cast-iron pipes in ditches to form sewers, drains or water mains, or for other purposes;
- d) inspecting, examining and testing installed systems and pipes using pressure gauge, hydrostatic testing, observation or other methods; and
- e) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7126)*

| | |
|---------|-------------------------|
| 7126-01 | Tradesman K1, Grade R17 |
| 7126-02 | Tradesman K2, Grade R11 |
| 7126-04 | Plumber |
| 7126-05 | Pipe Fitter |

UNIT GROUP 7127 AIR CONDITIONING AND REFRIGERATION MECHANICS

Air Conditioning and Refrigeration Mechanics assemble, install, maintain and repair air conditioning and refrigeration systems and equipment.

Tasks include:

- interpreting blueprints, drawings or other specifications;
- assembling, installing and repairing components for air conditioning and refrigeration systems;
- connecting piping and equipment by bolting, riveting, welding or brazing;
- testing systems, diagnosing faults and performing routine maintenance or servicing;
- carrying out inspection, servicing and maintenance (based on field or specialisation such as civil, mechanical and electrical); and
- performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7127)*

| | |
|---------|--|
| 7127-01 | Tradesman K2 - Refrigeration Mechanic, Grade R11 |
| 7127-02 | Refrigeration Equipment Mechanic |
| 7127-03 | Air-Conditioning Equipment Mechanic |

MINOR GROUP 713 PAINTERS, BUILDING STRUCTURE CLEANERS AND RELATED TRADES WORKERS

Painters, Building Structure Cleaners and Related Trades Workers prepare surfaces and apply paint and similar materials to buildings and other structures, vehicles or various manufactured articles. They cover interior walls and ceilings with wallpaper, clean chimneys and exterior surfaces of buildings and other structures.

UNIT GROUP 7131 PAINTERS AND RELATED WORKERS

Painters and Related Workers prepare surfaces of buildings and other structures for painting, apply protective and decorative coats of paint or similar materials, or cover interior walls and ceilings of buildings with wallpaper or other finishes.

Tasks include:

- cleaning and preparing walls and other surfaces of buildings for painting or wallpapering;
- selecting and preparing paints to required colours by mixing pigments and additives;
- applying or spraying paint, varnish, and similar materials to surfaces, fixtures and fittings of buildings;
- measuring and hanging wallpaper or other fabrics on interior walls and ceilings;
- applying paints, varnishes and stains to surfaces using brushes, rollers and sprays;
- carrying out inspection, servicing and maintenance (based on field or specialisation); and
- performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7131)*

| | |
|---------|---|
| 7131-01 | Tradesman K3 - Painter and Writer, Grade R9 |
| 7131-02 | Painter |
| 7131-03 | Painter, Glass |
| 7131-04 | Painter, Ceramics |

UNIT GROUP 7132 SPRAY PAINTERS AND VARNISHERS

Spray Painters and Varnishers operate spray painting and varnishing equipment to apply protective coatings to manufactured items or structures.

Tasks include:

- preparing surfaces to be coated using a variety of methods to remove grease, dirt and rust;
- painting cars, buses, trucks and other vehicles, and applying varnish and other protective coatings;
- applying paint as well as protective coatings of enamel or varnish on metal, wooden and other manufactured products, usually with a hand-spraying device; and
- performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7132)*

| | |
|---------|-------------------------|
| 7132-01 | Spray Painter |
| 7132-02 | Spray Painter, Metal |
| 7132-03 | Spray Painter, Vehicles |
| 7132-04 | Varnisher |

UNIT GROUP 7133 BUILDING STRUCTURE CLEANERS

Building Structure Cleaners clean exterior surfaces of buildings and other structures, and remove soot from chimneys.

Tasks include:

- cleaning exterior surfaces of stone, brick, metal or similar materials by means of chemicals, a jet of steam or sand applied under great pressure;
- removing soot from flues, chimneys and connecting pipes; and
- performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7133)*

| | |
|---------|----------------------------------|
| 7133-01 | Cleaner, Building Exteriors |
| 7133-02 | Sandblaster (Building Exteriors) |
| 7133-03 | Chimney Sweeper |

SUB-MAJOR 72 METAL, MACHINERY AND RELATED TRADES WORKERS

Metal, Machinery and Related Trades Workers cast, weld, forge and form metal, erect, maintain and repair heavy metal structures, install electrical wiring systems, fit, maintain and repair machinery including engines, vehicles, electrical and electronic equipment, or produce tools and various non-precious metal articles.

MINOR GROUP 721 SHEET AND STRUCTURAL METAL WORKERS, MOULDERS AND WELDERS AND RELATED TRADES WORKERS

Sheet and Structural Metal Workers, Moulders and Welders and Related Trades Workers make moulds and cores for casting metal, weld and cut metal parts, make, install and repair articles of sheet metal, install, erect, maintain and repair heavy metal structures, tackle, cable cars and related equipment.

UNIT GROUP 7211 **METAL MOULDERS AND COREMAKERS**

Metal Moulders and Coremakers make moulds and cores for casting metal.

Tasks include:

- making moulds by hand or by using auxiliary machines on a bench for small metal castings, or on the foundry floor or in a pit for large castings;
- making cores for use in metal moulds;
- carrying out inspection, servicing and maintenance (based on field or specialisation); and
- performing related tasks.

Examples of the occupations classified here: (*refer to index; unit group 7211*)

| | |
|---------|----------------------------------|
| 7211-01 | TradesmanK2 – Moulder, Grade R11 |
| 7211-02 | Mould Maker |
| 7211-03 | Mould Repairer, Foundry |
| 7211-04 | Flooring Moulder, Foundry |

UNIT GROUP 7212 **WELDERS AND FLAME CUTTERS**

Welders and Flame Cutters weld and cut metal parts using gas flame, or an electric arc and other sources of heat to melt and cut or to melt and fuse metal.

Tasks include:

- welding metal parts using gas flame, or an electric arc, thermite compound or other methods;
- operating resistance-welding machines; using a blowtorch to make and repair lead linings, pipes, floors and other lead fixtures;
- brazing metal parts together;
- cutting metal pieces using gas flame or an electric arc;
- joining metal parts by hand soldering; and
- carrying out inspection, servicing and maintenance (based on field or specialisation); and
- performing related tasks.

Examples of the occupations classified here: (*refer to index; unit group 7212*)

| | |
|---------|---|
| 7212-01 | Tradesman K2 - Welder (Actelene), Grade R11 |
| 7212-02 | Tradesman K2 - Welder (Electric) |
| 7212-03 | Welder |
| 7212-04 | Flame Cutter |

UNIT GROUP 7213 SHEET-METAL WORKERS

Sheet-Metal Workers make, install and repair articles and parts of articles of sheet metal such as stainless steel, copper, tin, brass, aluminium, zinc or galvanised iron.

Tasks include:

- a) marking sheet metal for cutting and shaping;
- b) making and repairing household utensils and other articles in tin, copper and light alloys, or ornamental articles and fittings;
- c) making and repairing boilers, tanks, vats and similar containers;
- d) installing and repairing sheet metal parts of vehicles and aircraft;
- e) carrying out inspection, servicing and maintenance (based on field or specialisation); and
- f) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7213)*

| | |
|---------|--|
| 7213-01 | Tradesman K2 – Sheet-Metal Worker, Grade R11 |
| 7213-02 | Tradesman – Boilermaker, Grade R11 |
| 7213-03 | Sheet-Metal Worker |
| 7213-04 | Coppersmith |

UNIT GROUP 7214 STRUCTURAL-METAL PREPARERS AND ERECTORS

Structural-Metal Preparers and Erectors assemble, erect and dismantle structural metal frames of buildings and other structures.

Tasks include:

- a) marking metal framework as a guide when drilling, cutting and shaping for use in buildings, ships and other structures;
- b) drilling, cutting and shaping structural steel in a workshop;
- c) erecting steel frameworks for buildings, bridges and other constructions;
- d) assembling and erecting the framework and other metal parts of ship structures;
- e) shaping and fitting structural-steel plates of ships under construction or repair;
- f) riveting structural-metal members by hand, machine or pneumatic riveter; and
- g) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7214)*

| | |
|---------|-------------------------------|
| 7214-01 | Structural Steel Worker |
| 7214-02 | Erector, Constructional Steel |
| 7214-03 | Ship Plater |
| 7214-04 | Riveter |

UNIT GROUP 7215 RIGGERS AND CABLE SPLICERS

Riggers and Cable Splicers assemble rigging gear to move and position equipment and structural components, or install and maintain cables, ropes and wires on construction sites, buildings or other structures.

Tasks include:

- a) estimating the size, shape and weight of objects to be moved and deciding on the type of equipment to move them;

- b) installing and repairing cables, ropes, wires, pulleys and other tackle;
- c) joining, repairing and fitting attachments to wires, ropes and cables;
- d) working as members of crew erecting and repairing derricks for drilling water, gas and oil wells;
- e) lifting equipment in theatres, installing and maintaining communication towers, aerial cableways, funicular railways, ski lifts and similar infrastructure;
- f) carrying out inspection, servicing and maintenance (based on field or specialisation such as electrical); also supervising and monitoring development projects / new installation and maintenance (including upgrading work); and
- g) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7215)*

| | |
|---------|--|
| 7215-01 | Tradesman K2 - Cable Splicer, Grade R11 |
| 7215-02 | Tradesman K3 - Erector (Electrical Equipment), Grade R9 |
| 7215-03 | Rigger |
| 7215-04 | Rigger, Hoisting Equipment |

MINOR GROUP 722 BLACKSMITHS, TOOLMAKERS AND RELATED TRADES WORKERS

Blacksmiths, Toolmakers and Related Trades Workers hammer and forge bars, rods or ingots of iron, steel and other metals to make and repair various kinds of tools, equipment and other articles, and polish and sharpen metal surfaces.

UNIT GROUP 7221 BLACKSMITHS, HAMMERSMITHS AND FORGING-PRESS WORKERS

Blacksmiths, Hammersmiths and Forging-Press Workers draw wire, hammer and forge bars, rods, ingots and plates of iron, steel or other metals to make and repair various kinds of tools, metal articles, pieces of equipment, agricultural and related implements.

Tasks include:

- a) carrying out inspection, servicing and maintenance (based on field or specialisation);
- b) heating metal in a forge furnace and manufacturing and repairing articles by drawing, bending, cutting, hammering metal on an anvil, punching, shearing, joining and hardening or tempering metal;
- c) shaping heated metal into forgings on power hammer equipped with open dies;
- d) operating closed die-drop hammer to forge metal articles;
- e) operating a power-press machine equipped with closed dies to forge metal articles; and
- f) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7221)*

| | |
|---------|--------------------------------------|
| 7221-01 | Tradesman K2 – Blacksmith, Grade R11 |
| 7221-02 | Blacksmith |
| 7221-03 | Hammersmith |
| 7221-04 | Worker, Drop Hammer |

UNIT GROUP 7222 TOOLMAKERS AND RELATED WORKERS

Toolmakers and Related Workers make and repair tools, sports guns, locks, dies, patterns and other metal articles, as well as make engines or machinery components, and parts thereof, using hand and machine tools to work metal to fine tolerances.

Tasks include:

- a) making, maintaining and repairing dies, jigs, gauges and fixtures using hand tools and various kinds of machine tools;
- b) making engines or machinery components, and parts thereof;
- c) fitting and assembling parts to make and repair jigs, fixtures and gauges;
- d) repairing and modifying sports guns and other small firearms;
- e) making, fitting, assembling, repairing and installing lock parts and locks;
- f) making and repairing metal patterns used in making foundry moulds;
- g) laying out lines and reference points on metal stock to guide other workers who cut, turn, mill, grind or shape metal;
- h) carrying out inspection, servicing and maintenance (based on field or specialisation such as civil, mechanical and electrical); and
- i) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7222)*

| | |
|---------|-------------------------------------|
| 7222-01 | Tradesman K1 – Toolmaker, Grade R17 |
| 7222-02 | Tradesman K3 – Loopmaker, Grade R9 |
| 7222-03 | Tool and Die Maker |
| 7222-04 | Pattern-Maker, Metal Foundry |

UNIT GROUP 7223 METAL WORKING MACHINE TOOL SETTERS AND OPERATORS

Metal Working Machine Tool Setters and Operators set and/or operate various working machine tools.

Tasks include:

- a) setting one or more types of machine tools for metal production in the standard series;
- b) operating and monitoring metal working machines like lathes, milling, planing, boring, drilling, grinding or sharpening machines, including multi-purpose numerical control metal working machines;
- c) monitoring machine operation to detect defects or damage to the machine, and if necessary adjust the machine; and
- d) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7223)*

| | |
|---------|--------------------------------|
| 7223-01 | Metal Working Machine Adjuster |
| 7223-02 | Metal Working Machine Operator |
| 7223-03 | Metal Working Machine Setter |
| 7223-04 | Boring Machine Operator |

UNIT GROUP 7224 METAL POLISHERS, WHEEL GRINDERS AND TOOL SHARPENERS

Metal Polishers, Wheel Grinders and Tool Sharpeners grind and polish metal surfaces and sharpen tools.

Tasks include:

- operating fixed or portable buffing and polishing machines;
- sharpening cutting tools and instruments using grinding wheels or mechanically operated grinding machines;
- repairing, adjusting and sharpening saw blades and metal teeth of cylinders in textile carding machines;
- grinding crank pins and crankshaft journals accurately to uniform diameters by special grinding machine and attachments; and
- performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7224)*

| | |
|---------|------------------------------|
| 7224-01 | Metal Grinder |
| 7224-02 | Cutting Instrument Sharpener |
| 7224-03 | Machine Tool Sharpener |
| 7224-04 | Saw Repairer |

MINOR GROUP 723 MACHINERY MECHANICS AND REPAIRERS

Machinery Mechanics and Repairers fit, install, service and repair engines, vehicles, agricultural or industrial machinery and mechanical equipment.

UNIT GROUP 7231 MOTOR VEHICLE MECHANICS AND REPAIRERS

Motor Vehicle Mechanics and Repairers install, service and repair motor vehicles.

Tasks include:

- fitting, examining, adjusting, dismantling, rebuilding and replacing defective parts of motor vehicles;
- installing or adjusting motors and brakes, and adjusting steering or other parts of motor vehicles;
- being responsible for electrical systems and installation (repair and maintenance of equipment); and
- performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7231)*

| | |
|---------|--|
| 7231-01 | Tradesman K2 - Mechanic (Motor Vehicle), Grade R11 |
| 7231-02 | Tradesman K1 - Tool Mechanic, Grade R17 |
| 7231-03 | Mechanic |
| 7231-04 | Earth-Moving Equipment Mechanic |

UNIT GROUP 7232 AIRCRAFT ENGINE MECHANICS AND REPAIRERS

Aircraft Engine Mechanics and Repairers repair and maintain the operating condition of aircraft engines, including helicopter engines.

Tasks include:

- a) replacing or repairing worn, defective, or damaged components using hand tools, gauges and testing equipment;
- b) testing engine operation using test equipment such as ignition analyser, compression checker, distributor timer and ammeter to identify malfunction;
- c) listening to operating engine to detect and diagnose malfunctions, such as stuck or burned valves;
- d) reassembling engine and installing engine in aircraft;
- e) disassembling and inspecting engine parts, such as turbine blades and cylinders, for wear, warping, cracks and leaks; and
- f) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7232)*

| | |
|---------|-------------------------------|
| 7232-01 | Aircraft Engine Mechanic |
| 7232-02 | Aircraft Engine Fitter |
| 7232-03 | Aircraft Maintenance Mechanic |
| 7232-04 | Helicopter Mechanic |

UNIT GROUP 7233 AGRICULTURAL AND INDUSTRIAL MACHINERY MECHANICS AND REPAIRERS

Agricultural and Industrial Machinery Mechanics and Repairers repair, install, adjust or maintain agricultural and industrial production and processing machinery or refinery and pipeline distribution systems.

Tasks include:

- a) fitting, examining, testing and servicing engines, agricultural or industrial machinery and mechanical equipment;
- b) replacing engine components;
- c) oiling and greasing engines and machinery;
- d) inspecting and testing new machinery and mechanical equipment for conformity with standards and specifications; and
- e) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7233)*

| | |
|---------|--------------------------------|
| 7233-01 | Machinery Mechanic |
| 7233-02 | Mining Machinery Mechanic |
| 7233-03 | Mechanic, Machine Tool |
| 7233-04 | Mechanic, Industrial Machinery |

UNIT GROUP 7234 BICYCLE AND RELATED REPAIRERS

Bicycle and Related Repairers install, maintain, service and repair mechanical and related equipment of bicycles, trishaws, baby carriages, wheelchairs and similar non-motorised transport.

Tasks include:

- a) installing, repairing and replacing equipment or accessories such as handlebars, footrests, lights and seats;
- b) aligning wheels;
- c) installing and adjusting speed and gear mechanisms;
- d) disassembling axle to repair, adjust and replace defective parts using hand tools;
- e) repairing holes in tyre tubes using scraper and patch;
- f) shaping replacement parts using bench grinder;
- g) assembling new bicycles;
- h) painting bicycle frames using spray gun or brush;
- i) welding together broken or cracked frames using oxyacetylene torch and welding rods; and
- j) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7234)*

| | |
|---------|------------------|
| 7234-01 | Bicycle Repairer |
| 7234-02 | Trishaw Repairer |
| 7234-03 | Reel Repairer |
| 7234-04 | Bicycle Mechanic |

UNIT GROUP 7239 MACHINERY MECHANICS AND REPAIRERS NOT ELSEWHERE CLASSIFIED

Machinery Mechanics and Repairers Not Elsewhere Classified install, maintain, service and repair mechanical and related equipment for marine vessels, trains and the like.

Tasks include:

- a) installing, repairing and replacing equipment or accessories in marine vessels, trains and the like; and
- b) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7239)*

| | |
|---------|------------------------|
| 7239-01 | Marine Engine Mechanic |
| 7239-02 | Ship Mechanic |
| 7239-03 | Train Engine Fitter |
| 7239-04 | Train Engine Repairer |

SUB-MAJOR 73 HANDICRAFT AND PRINTING WORKERS

Handicraft and Printing Workers make and repair precision instruments, musical instruments, various articles such as jewellery, precious metalware, ceramics, porcelain and glassware including handicraft items made of wood, textile, leather or related materials, or they perform printing or book-binding tasks.

MINOR GROUP 731 HANDICRAFT WORKERS

Handicraft Workers combine artistic and manual skills to design, make, repair, adjust, maintain and decorate precision instruments, musical instruments, jewellery and other precious metals, pottery and porcelain ware. They apply traditional and/or modern techniques to carve, mould, assemble, weave and decorate various glass, ceramic, textile, straw, stone, wood and leather articles.

UNIT GROUP 7311 PRECISION INSTRUMENT MAKERS AND REPAIRERS

Precision Instrument Makers and Repairers make, repair and calibrate mechanical watches, clocks, nautical, meteorological, optical, surgical, dental, orthopaedic and other precision instruments and equipment.

Tasks include:

- a) making, adjusting and repairing mechanical watches and clocks;
- b) making, adjusting and repairing nautical and meteorological instruments and equipment;
- c) making, adjusting and repairing optical instruments;
- d) making, adjusting and repairing surgical instruments and other medical equipment;
- e) making and repairing medical, orthopaedic and dental appliances and prostheses;
- f) calibrating instruments using standard weights and measures and using hand tools to adjust and align parts and small balancing weights; and
- g) performing related tasks.

Examples of the occupations classified here: (*refer to index; unit group 7311*)

| | |
|---------|------------------------------|
| 7311-01 | Precision Instrument Maker |
| 7311-02 | Surgical Instrument Maker |
| 7311-03 | Scientific Instrument Maker |
| 7311-04 | Photographic Equipment Maker |

UNIT GROUP 7312 MUSICAL INSTRUMENT MAKERS AND TUNERS

Musical Instrument Makers and Tuners make, repair, adjust and restore musical instruments and tune them to the required pitch using hand or tools. They usually specialise in one type of instrument.

Tasks include:

- a) making and repairing accordions, stringed and wind instruments;
- b) building and repairing organ and making parts for organs;
- c) assembling and repairing pianos;
- d) tuning pianos and other instruments;
- e) making, assembling and repairing other musical instruments; and
- f) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7312)*

| | |
|---------|---------------------------|
| 7312-01 | Musical Instrument Maker |
| 7312-02 | Musical Instrument Tuner |
| 7312-03 | Stringed Instrument Maker |
| 7312-04 | Piano Maker |

UNIT GROUP 7313 JEWELLERY AND PRECIOUS METAL WORKERS

Jewellery and Precious Metal Workers design, fabricate, adjust, repair or appraise jewellery, ceremonial or religious items, gold, silver, other precious metals or gems. They cut, file, polish and set stones including gems and diamonds, and engrave designs on jewellery and precious metal articles. They cut and polish diamonds for industrial purposes.

Tasks include:

- a) casting jewellery and other non-ferrous metal articles by hand;
- b) making jewellery articles such as rings, brooches and bracelets;
- c) cutting and polishing gems and setting them in jewellery articles;
- d) making, remodelling and repairing precious metalware;
- e) rolling and hammering precious metals;
- f) engraving letters and designs on jewellery and precious metalware; and
- g) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7313)*

| | |
|---------|-------------|
| 7313-01 | Jeweller |
| 7313-02 | Goldsmith |
| 7313-03 | Silversmith |
| 7313-04 | Pewtersmith |

UNIT GROUP 7314 POTTERS AND RELATED WORKERS

Potters and Related Workers make pottery, porcelain ware, bricks and tiles.

Tasks include:

- a) making articles of pottery and porcelain;
- b) making clay or plaster of Paris moulds;
- c) forming articles on the potter's wheel with the hands, or using interior or exterior moulding shapes and shaping tools;
- d) forming articles by casting semi-liquid clay in plaster of Paris moulds;
- e) forming bricks and tiles into special shapes by hand;
- f) making articles by pressing plastic clay into moulds by hand;
- g) operating screw-press or hydraulic press to make products of clay dust;
- h) operating a machine which extrudes moist clay for further processing; and
- i) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7314)*

| | |
|---------|---------------------------------|
| 7314-01 | Potter |
| 7314-02 | Presser, Brick and Tile |
| 7314-03 | Modeller, Pottery and Porcelain |
| 7314-04 | Caster, Pottery and Porcelain |

UNIT GROUP 7315 GLASS MAKERS, CUTTERS, GRINDERS AND FINISHERS

Glass Makers, Cutters, Grinders and Finishers blow, mould, press, roll and shape molten glass, and cut, grind and polish glass.

Tasks include:

- shaping molten glass by means of blowpipe, hand moulding, heating and bending;
- heating, moulding and pressing optical glass to make clear lenses;
- grinding and polishing clear lenses;
- grinding and bevelling edges of glass;
- cutting sheet glass with hand tools and sawing prisms and other shapes from optical glass blocks;
- assisting research officers in conducting research and development in the field of science related to the use of nuclear technology and technology connected to the tasks of designing fabrications and producing glass tools and equipment; and
- performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7315)*

| | |
|---------|-------------------------|
| 7315-01 | Glass Blower, Grade N17 |
| 7315-02 | Glass Bender |
| 7315-03 | Glass Blower |
| 7315-04 | Glass Cutter |

UNIT GROUP 7316 SIGN WRITERS, DECORATIVE PAINTERS, ENGRAVERS AND ETCHERS

Sign Writers, Decorative Painters, Engravers and Etchers design, illustrate and decorate silver, gold, steel or glass and other materials for personal, household use or for decorative purposes.

Tasks include:

- cutting and designing surfaces in a variety of shapes and sizes that yield a variety of decorations;
- cutting designs on glass surfaces with sandblasting equipment;
- illustrating, covering and painting surfaces such as walls, linen, paper and other materials;
- engraving monograms and ornamental designs on glassware; and
- etching decorative designs, calibration markings and other figures on glass ware.

Examples of the occupations classified here: *(refer to index; unit group 7316)*

| | |
|---------|--------------------|
| 7316-01 | Etcher |
| 7316-02 | Engraver |
| 7316-03 | Sandblaster, Glass |
| 7316-04 | Ceramic Dipper |

UNIT GROUP 7317 HANDICRAFT WORKERS IN WOOD, BASKETRY AND RELATED MATERIALS

Handicraft Workers in Wood, Basketry and Related Materials apply traditional and/or modern techniques to prepare articles from wood, straw, rattan, reeds, stone, clay, shells and other materials, and carve, mould, assemble, weave or paint and decorate various articles for personal or household use or for decorative purposes.

Tasks include:

- a) preparing wood, straw, rattan, reeds, stone, shells or similar materials;
- b) carving, assembling, weaving, painting and decorating various articles for personal or household use such as salad bowls, spoons, cutting boards, trays, vases, jugs, baskets, straw hats, straw mats and similar objects;
- c) carving, assembling, weaving and painting various decorative articles such as statues and other sculptures;
- d) making wicker furniture from peeled and softened rattan, reeds, rushes, willow branches and similar materials;
- e) making various kinds of baskets by interlacing rattan, reeds, rushes or similar materials;
- f) selecting and preparing brush materials such as bristles, nylon, fibres and wire, and setting them in brush base;
- g) selecting and preparing materials such as broom;
- h) making mats of coconut or palm fronds and grasses; and
- i) performing related tasks.

Examples of the occupations classified here: ([refer to index](#); [unit group 7317](#))

| | |
|---------|------------------------------------|
| 7317-01 | Craft Instructor, Grade E17 |
| 7317-02 | Mat Weaver |
| 7317-03 | Handicraft Worker, Wooden Articles |
| 7317-04 | Basket Maker |

UNIT GROUP 7318 HANDICRAFT WORKERS IN TEXTILE, LEATHER AND RELATED MATERIALS

Handicraft Workers in Textile, Leather and Related Materials apply traditional and/or modern techniques to produce various articles for personal or household use, as well as for decorative purposes.

Tasks include:

- a) preparing carving, moulding, assembling, painting and decorating various decorative articles; weaving, knitting, embroidering and lace-making;
- b) producing traditional footwear; and
- c) producing handbags, belts and other accessories.

Examples of the occupations classified here: ([refer to index](#); [unit group 7318](#))

| | |
|---------|----------------------------|
| 7318-01 | Weaver, Songket |
| 7318-02 | Batik Painter |
| 7318-03 | Maker, Leather Goods |
| 7318-04 | Handicraft Worker, Carpets |

UNIT GROUP 7319 HANDICRAFT WORKERS NOT ELSEWHERE CLASSIFIED

This unit group includes Handicraft Workers Not Elsewhere Classified in minor group 731: Handicraft Workers.

Tasks include:

- a) preparing, carving, moulding, assembling, painting and decorating a variety of goods; and
- b) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7319)*

| | |
|---------|----------------|
| 7319-01 | Badge Maker |
| 7319-02 | Craftsman |
| 7319-03 | Metal Toymaker |

MINOR GROUP 732 PRINTING TRADES WORKERS

Printing Trades Workers set and arrange printing type, stencil on paper and other materials, or bind and finish books and operate the offset machine, offset camera, plate making machine, copier, scanner and maintain the machines before, during and after use.

UNIT GROUP 7321 PRE-PRESS WORKERS

Pre-Press Workers proof, format, set and compose text and graphics in a form suitable for the various printing processes.

Tasks include:

- a) overseeing and managing the offset machine, offset camera, plate making machine, copier, scanner and maintain the machines thoroughly before, during and after use;
- b) arranging for printing;
- c) operating graphic cameras and other photographic equipment to produce camera-ready copy onto films, plates and digital output devices;
- d) using computer applications to produce an image, text, layout and imposition for printing and other visual media displays;
- e) operating equipment which produces images from film to printing plates, digital output devices and presses;
- f) operating computer screen-based equipment for scanning, colour separation, colour correction, masking, creative design, combining, imposing, retouching and other processes used to transfer copy to film and produce film for plate, digital output and cylinder production; and
- g) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7321)*

| | |
|---------|---|
| 7321-01 | Offset Camera / Plate Maker Operator, Grade N17 |
| 7321-02 | Compositor |
| 7321-03 | Braille Plate Maker |
| 7321-04 | Typesetter |

UNIT GROUP 7322 PRINTERS

Printers print from stencils and operate printing equipment and maintain the machines before, during and after use.

Tasks include:

- a) cutting stencils for printing;
- b) printing on paper, metal, textiles and other materials by silk-screen process;
- c) printing designs and patterns on cloth or wallpaper with engraved blocks or machines equipped with engraved rollers;
- d) reproducing copies of textile designs by tracing them onto transparent materials; and
- e) mixing ink and solvents, and controlling the supply of paper and ink during the printing process;
- f) monitoring the operation of the machine and the quality of printing;
- g) adjusting, maintaining, repairing and cleaning the printing press;
- h) producing digital print images, transferring and outputting images; and
- i) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7322)*

| | |
|---------|---------------------------|
| 7322-01 | Printer |
| 7322-02 | Textile Printer |
| 7322-03 | Block Printer |
| 7322-04 | Press Operator, Embossing |

UNIT GROUP 7323 PRINT FINISHING AND BINDING WORKERS

Print Finishing and Binding Workers bind books and other publications by hand or machine and finish printed products.

Tasks include:

- a) binding books and periodicals by hand;
- b) setting and operating bookbinding machines;
- c) embossing designs or titles on books by hand or machine;
- d) mounting maps and charts; and
- e) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7323)*

| | |
|---------|-----------------------|
| 7323-01 | Bookbinder |
| 7323-02 | Paper Cutter |
| 7323-03 | Map and Chart Mounter |
| 7323-04 | Book Embosser |

UNIT GROUP 7324 PRINTING AND PHOTO ENGRAVERS AND ETCHERS

Printing and Photo Engravers and Etchers engrave lithographic stones and printing plates, rollers, dies and blocks by various processes, develop and process photographic film and make prints.

Tasks include:

- a) cutting designs through film applied to surface of lithographic stones;
- b) engraving steel and copper plates, rollers, dies or wood, rubber and linoleum blocks by hand;
- c) engraving metal plates and rollers by machine;
- d) transferring designs on lithographic stone to metal plates;
- e) etching metal plates or rollers with acid and retouching;
- f) performing all or several tasks in preparing printing plates by the photogravure process;
- g) processing black and white or colour film;
- h) printing black and white or colour photographs;
- i) developing x-ray films; and
- j) performing related tasks.

Examples of the occupations classified here: (*refer to index; unit group 7324*)

| | |
|---------|---------------------------------------|
| 7324-01 | Engraver, Printing Metal Plate |
| 7324-02 | Etcher, Printing Metal Plate |
| 7324-03 | Engraver, Printing Lithographic Stone |
| 7324-04 | Photo-Engraver |

SUB-MAJOR 74 ELECTRICAL AND ELECTRONIC TRADES WORKERS

Electrical and Electronic Trades Workers install, adapt and maintain electrical wiring systems and associated equipment, electrical machinery and other appliances, and install, build and repair electrical power transmission cables, and associated equipment.

MINOR GROUP 741 ELECTRICAL EQUIPMENT INSTALLERS AND REPAIRERS

Electrical Equipment Installers and Repairers install, adapt and maintain electrical wiring systems and associated equipment, electrical machinery and other appliances, and install, build and repair electrical power transmission cables, and associated equipment.

UNIT GROUP 7411 BUILDING AND RELATED ELECTRICIANS

Building and Related Electricians service and repair electrical wiring systems in buildings.

Tasks include:

- a) installing, maintaining and repairing electrical wiring systems and related equipment in various buildings such as business establishments, residential buildings, schools, hospitals and commercial establishments;
- b) carrying out inspection, servicing and maintenance (based on field or specialisation such as electrical); and
- c) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7411)*

| | |
|---------|---------------------------------------|
| 7411-01 | Tradesman K2 – Electrician, Grade R11 |
| 7411-02 | Electrician, Building |
| 7411-03 | Electrician, Construction |
| 7411-04 | Electrician |

UNIT GROUP 7412 ELECTRICAL MECHANICS AND FITTERS

Electrical Mechanics and Fitters fit, adjust, install, service and repair electrical machinery and other electrical apparatus and equipment in buildings, factories, workshops or other places.

Tasks include:

- a) installing, maintaining and repairing electrical equipment in various buildings such as schools, hospitals, commercial establishments, residential buildings and other structures;
- b) fitting, adjusting and repairing various kinds of electrical machinery and motors, generators, switch gears and control apparatus, instruments or electrical parts of lifts and related equipment;
- c) fitting, adjusting and repairing electrical parts in domestic appliances, industrial machines and other appliances, or electrical apparatus in aircraft, ships and vehicles;
- d) installing, maintaining and repairing electrical equipment in theatres and radio or television studios;
- e) inspecting and testing manufactured electrical products;
- f) planning and carrying out preventive and scheduled maintenance of electrical installation;
- g) repairing any damage and restoring electrical low voltage switch gears and conducting electrical testing at all times as well as maintaining and inspecting all wiring, switches, starter panels, control panels, electric motors and other applicable equipment; and

h) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7412)*

| | |
|---------|-------------------------|
| 7412-01 | Chargeman, Grade R17 |
| 7412-02 | Chargeman, Grade 11 |
| 7412-05 | Electrical Fitter |
| 7412-06 | Electrical Fitter, Lift |

UNIT GROUP 7413 ELECTRICAL LINE INSTALLERS AND REPAIRERS

Electrical Line Installers and Repairers install and repair power, telephone, telegraph and television lines and cables.

Tasks include:

- a) installing and repairing overhead and underground electrical power and electric traction lines;
- b) installing and repairing overhead and underground telephone and telegraph lines;
- c) making joints in overhead and underground cables;
- d) carrying out inspection, servicing and maintenance (based on field or specialisation such as electrical); and
- e) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7413)*

| | |
|---------|---|
| 7413-01 | Tradesman K3 - Electrical Wiring, Grade R9 |
| 7413-02 | Tradesman K2 - Equipment Wiring (Electric), Grade R11 |
| 7413-06 | Electrical Power Line Installer |
| 7413-07 | Cable Line Worker |

MINOR GROUP 742 ELECTRONICS AND TELECOMMUNICATIONS INSTALLERS AND REPAIRERS

Electronics and Telecommunications Installers and Repairers fit, adjust, install, service and repair electronic instruments and control systems, and maintain telecommunications equipment, data transmission equipment, cables, antennae, and repair, fit and maintain computers.

UNIT GROUP 7421 ELECTRONICS MECHANICS AND SERVICERS

Electronics Mechanics and Servicers fit, maintain, adjust and repair electronic equipment and machines such as commercial and office machines and electronic control systems.

Tasks include:

- a) examining and testing machines, instruments, components and other equipment;
- b) installing, adjusting, repairing or replacing electrical and electronic components; and
- c) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7421)*

| | |
|---------|---|
| 7421-01 | Fitter, Electronics |
| 7421-02 | Repairer, Electronics |
| 7421-03 | Fitter, Electronic Industrial Equipment |
| 7421-04 | Fitter, Electronic Meteorological Equipment |

UNIT GROUP 7422 INFORMATION AND COMMUNICATIONS TECHNOLOGY INSTALLERS AND SERVICERS

Information and Communications Technology Installers and Servicers install, service and maintain telecommunications equipment, data transmission equipment, cables, antennae, and repair, fit and maintain computer equipment.

Tasks include:

- a) installing, servicing and repairing telecommunications equipment;
- b) maintaining, troubleshooting, testing and repairing computers, data transmission equipment and computer peripherals;
- c) installing and customising the computer hardware;
- d) installing, maintaining, repairing and diagnosing damage in microwave, telemetry, multiplexing, satellite and other radio and electromagnetic wave communications systems;
- e) providing technical advice and information, and monitoring the performance of complex telecommunications networks and equipment;
- f) installing and repairing cables for computer, telephone, radio and television transmission;
- g) installing, maintaining and repairing the antenna used in communications; and
- h) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7422)*

| | |
|---------|-----------------------------------|
| 7422-01 | Telephone Wireman |
| 7422-02 | Telephone and Telegraph Installer |
| 7422-03 | Telephone and Telegraph Mechanic |
| 7422-04 | Telephone and Telegraph Servicer |

SUB-MAJOR 75 FOOD PROCESSING AND RELATED WORKERS

Food Processing and Related Workers treat and process agricultural and fisheries raw materials into food and other products.

MINOR GROUP 751 FOOD PROCESSING AND RELATED WORKERS

Food Processing and Related Workers slaughter animals, process fish, treat and prepare them and related food items for human and animal consumption, make various kinds of bread, cakes and other flour products, process and preserve fruit, vegetables and related foods, taste and grade various food products and beverages, or prepare tobacco and make tobacco products.

UNIT GROUP 7511 MEAT AND FISH PROCESSING WORKERS AND RELATED FOOD PREPARERS

Meat and Fish Processing Workers and Related Food Preparers slaughter animals, clean, cut and dress meat and fish, and prepare related food items or preserve meat, fish and other food products by drying, salting or smoking.

Tasks include:

- a) slaughtering animals;
- b) flaying and trimming carcasses;
- c) cutting and dressing meat and fish for sale or further processing;
- d) preparing ingredients and making sausages and similar products using simple chopping, mixing and shaping machines;
- e) curing meat, fish and other foods;
- f) operating smokehouses or ovens to smoke meat, fish and other foodstuffs;
- g) cooking or preparing meat, fish and related food items for sale; and
- h) performing related tasks.

Examples of the occupations classified here: (*refer to index; unit group 7511*)

| | |
|---------|---------------|
| 7511-01 | Slaughterer |
| 7511-02 | Meat Cutter |
| 7511-03 | Meat Slicer |
| 7511-04 | Sausage Maker |

UNIT GROUP 7512 BAKERS, PASTRY AND PASTA-COOKS, AND CONFECTIONERY MAKERS

Bakers, Pastry and Pasta-Cooks, and Confectionery Makers make various kinds of bread, buns, cakes and other flour products, as well as handmade chocolate and sugar confectionery.

Tasks include:

- a) making bread, buns, cakes, biscuits, pastries, pies and other flour products;
- b) making handmade confectionery from mixtures of sugar, chocolate and other ingredients with the help of tools and some machines;
- c) checking the quality of raw materials to ensure that standards and specifications are met;
- d) checking the cleanliness of equipment and operation of the premises before the production process to ensure compliance with occupational health and safety regulations;
- e) monitoring the oven temperature and product appearance to determine baking times; and
- f) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7512)*

| | |
|---------|---------------------|
| 7512-01 | Baker |
| 7512-02 | Pastry Baker |
| 7512-03 | Confectionary Maker |
| 7512-04 | Chocolate Maker |

UNIT GROUP 7513 DAIRY-PRODUCT MAKERS

Dairy-Product Makers process butter and various types of cheese, cream or other dairy products.

Tasks include:

- making milk powder, skim milk, cream, condensed milk, evaporated milk, ricotta cheese, butter, cheeses and other dairy products; and
- boiling or pasteurising milk to achieve the desired butter fat content;
- monitoring product quality before packaging by inspecting, taking samples and adjusting treatment conditions when necessary; and
- performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7513)*

| | |
|---------|--------------|
| 7513-01 | Cheese Maker |
| 7513-02 | Yogurt Maker |
| 7513-03 | Butter Maker |

UNIT GROUP 7514 FRUIT, VEGETABLE AND RELATED PRESERVERS

Fruit, Vegetable and Related Preservers process or preserve fruit, nuts and related foods in various ways including cooking, drying, salting, or juice or oil extraction.

Tasks include:

- extracting juices from various fruit;
- extracting oils from oil-bearing seeds, nuts or fruit;
- cooking, salting or drying fruit, vegetables and related foods; and
- performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7514)*

| | |
|---------|---------------------|
| 7514-01 | Fruit Preserver |
| 7514-02 | Vegetable Preserver |
| 7514-03 | Fruit Juice Maker |
| 7514-04 | Syrup Maker |

UNIT GROUP 7515 FOOD AND BEVERAGE TASTERS AND GRADERS

Food and Beverage Tasters and Graders inspect, taste and grade various types of agricultural products, food and beverages.

Tasks include:

- a) inspecting, testing and tasting agricultural products, food and beverages;
- b) determining the quality and grading into appropriate classes; and
- c) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7515)*

| | |
|---------|------------------------|
| 7515-01 | Taster, Food |
| 7515-02 | Taster, Beverages |
| 7515-03 | Grader, Food |
| 7515-04 | Taster and Grader, Tea |

UNIT GROUP 7516 TOBACCO PREPARERS AND TOBACCO PRODUCT MAKERS

Tobacco Preparers and Tobacco Product Makers prepare tobacco leaves and make various tobacco products.

Tasks include:

- a) grading cured tobacco leaves by type, quality and locality where grown;
- b) mixing tobacco leaves according to formula to obtain a blend of distinct flavour;
- c) tending vacuum containers which moisten tobacco for further processing;
- d) removing midribs and stalks from tobacco leaves and shredding tobacco;
- e) making cigars, cigarettes and other tobacco products by hand or using simple machines; and
- f) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7516)*

| | |
|---------|----------------------------|
| 7516-01 | Grader, Tobacco |
| 7516-02 | Maker, Cigar |
| 7516-03 | Maker, Cigarette |
| 7516-04 | Quality Checker, Cigarette |

SUB-MAJOR 76 OTHER CRAFT WORKERS

Other Craft workers treat, make and repair wooden furniture and other wood products, produce garments, shoes and related items, dive underwater, shofire and blast, grade and test products (excluding food and beverages), and control pests.

MINOR GROUP 761 WOOD TREATERS, CABINET-MAKERS AND RELATED TRADES WORKERS

Wood Treaters, Cabinet-Makers and Related Trades Workers make, decorate and repair wooden furniture, vehicle parts and other wooden products. They use hand tools and adjust and operate woodworking and wood processing tools as well as machinery equipment and machines.

UNIT GROUP 7611 WOOD TREATERS

Wood Treaters season and preserve wood.

Tasks include:

- a) seasoning wood by air-drying in sunlight;
- b) manually treating wood with chemicals to protect it against decay or parasites;
- c) grading wood or veneer according to size and quality; and
- d) performing related tasks.

Examples of the occupations classified here: (*refer to index; unit group 7611*)

| | |
|---------|------------------|
| 7611-01 | Wood Impregnator |
| 7611-02 | Wood Treater |
| 7611-03 | Wood Seasoner |
| 7611-04 | Grader, Wood |

UNIT GROUP 7612 CABINET-MAKERS AND RELATED WORKERS

Cabinet-Makers and Related Workers make, decorate and repair wooden furniture, wheels or other wooden parts of vehicles, and other items such as pipes, shoes or racquets, and bats for sports using woodworking machines and specialised hand tools.

Tasks include:

- a) making and repairing wooden articles such as cabinets and other furniture, using woodworking machines and hand tools;
- b) making and repairing wooden vehicles, wheels or other wooden parts of vehicles;
- c) decorating furniture and fixtures by inlaying wood, applying veneer and carving designs;
- d) finishing surfaces of wooden articles or furniture;
- e) carrying out inspection, servicing and maintenance (based on field or specialisation); and
- f) performing related tasks.

Examples of the occupations classified here: (*refer to index; unit group 7612*)

| | |
|---------|---|
| 7612-01 | Tradesman K2 - Furniture Maker, Grade R11 |
| 7612-02 | Maker, Cabinet |
| 7612-03 | Builder, Bullock Cart |
| 7612-04 | Maker, Furniture |

UNIT GROUP 7613 WOODWORKING-MACHINE TOOL SETTERS AND OPERATORS

Woodworking-Machine Tool Setters and Operators set up or operate or monitor automatic or semi-automatic woodworking machines to fabricate or repair wooden parts of furniture, fixtures and other wood products.

Tasks include:

- a) setting up or operating and monitoring woodworking machines to fabricate or repair wooden parts of furniture, fixtures and other wood products;
- b) setting up and adjusting a variety of woodworking machines; and
- c) performing related tasks.

Examples of the occupations classified here: (*refer to index; unit group 7613*)

| | |
|---------|---------------------------------|
| 7613-01 | Adjuster, Wood Machine |
| 7613-02 | Operator, Wood Machine |
| 7613-03 | Setter, Wood Machine |
| 7613-04 | Carving Machine Operator (Wood) |

MINOR GROUP 762 GARMENT AND RELATED WORKERS

Garment and Related Workers fit, alter and repair tailored clothing; design, and make textile and fur garments, leather or fur products; repair, modify and decorate garments, gloves and other products of textile; create patterns for garments; install, repair and replace upholstery of furniture, fixtures, orthopaedic appliances and furnishings of automobiles; trim, scrape, buff and dye animal hides, pelts or skins; modify and repair footwear and leather articles.

UNIT GROUP 7621 TAILORS, DRESSMAKERS, FURRIERS AND HATTERS

Tailors, Dressmakers, Furriers and Hatters make suits and other clothing from cloth, leather or other materials, and repair tailored clothing or participate in the manufacture of ready-to-wear garments, or alter, repair and make hats and wigs.

Tasks include:

- a) operating standard or specialised single- or multiple-needle sewing machines to make or repair garments, gloves or other products and embroider on textiles, fur or leather;
- b) making overcoats, suits, skirts, shirts, blouses, lingerie, corsets and similar garments according to customer requirements;
- c) participating in the manufacture of ready-to-wear clothing;
- d) embroidering decorative designs on garments or materials;
- e) making various kinds of hats and caps;
- f) altering, restyling and repairing garments;
- g) making and caring for costumes used in theatrical, television and motion picture productions;
- h) making wigs according to specifications, fastening strands of hair to a cloth base;
- i) assembling complete umbrellas by fixing various component parts such as collapsible metal frame, springs and umbrella fabric;
- j) sewing sails, tents, awnings and similar articles; and
- k) performing related tasks.

Examples of the occupations classified here: (*refer to index; unit group 7621*)

| | |
|---------|---------------------------------|
| 7621-01 | Tradesman K3 – Tailor, Grade R9 |
| 7621-02 | Tailor |
| 7621-03 | Dressmaker |
| 7621-04 | Milliner |

UNIT GROUP 7622 GARMENT AND RELATED PATTERN-MAKERS AND CUTTERS

Garment and Related Pattern-Makers and Cutters mark and cut textile, leather and other materials in the manufacture of garments, gloves and miscellaneous products.

Tasks include:

- a) drawing and cutting out patterns for making suits, dresses, shirts, blouses, gloves, hats and caps and other garments;
- b) making outlines of patterns on cloth, leather or other materials to guide cutting;
- c) cutting material according to pattern outline for making up garments, gloves and related items;
- d) performing pattern-making, marking and cutting in the manufacture of other products such as soft furnishings, umbrellas and canvas goods; and
- e) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7622)*

| | |
|---------|----------------------------|
| 7622-01 | Pattern-Maker, Garment |
| 7622-02 | Pattern-Maker, Hat and Cap |
| 7622-03 | Maker, Garment |
| 7622-04 | Cutter, Garment |

UNIT GROUP 7623 SHOEMAKERS AND RELATED WORKERS

Shoemakers and Related Workers make and repair standard or special footwear, hats and gloves, make natural or synthetic leather articles such as luggage, handbags and belts, or participate in the manufacture of related goods.

Tasks include:

- a) making patterns to guide the cutting of shoe parts;
- b) cutting out, preparing and fitting together shoe parts;
- c) sewing shoe parts together;
- d) making standard or orthopaedic footwear to individual requirements;
- e) making other special types of footwear to order;
- f) examining and finishing footwear;
- g) repairing footwear;
- h) making and repairing saddles and harnesses for animals, luggage, handbags, wallets, belts, briefcases, leather bags and other accessories;
- i) making and shaping leather articles;
- j) sewing and stitching leather parts by hand or machine; and
- k) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7623)*

| | |
|---------|--------------------------|
| 7623-01 | Shoemaker |
| 7623-02 | Maker, Surgical Footwear |
| 7623-03 | Shoemaker, Orthopaedic |
| 7623-04 | Repairer, Footwear |

UNIT GROUP 7624 UPHOLSTERERS AND RELATED WORKERS

Upholsterers and Related Workers install, repair and replace upholstery of furniture, fixtures, orthopaedic appliances, seats, panels, vinyl and other furnishings of automobiles, railway coaches, aircraft and ship. They also make and repair cushions, quilt and mattresses.

Tasks include:

- a) installing, arranging and securing springs, padding and covering material to furniture frames;
- b) fitting and installing covers and cushioning for seats and other accessories on vehicles such as cars, buses, railway coaches and aircraft;
- c) making mattresses;
- d) fitting and installing soft furnishings and interior decorations of textile, leather and similar materials;
- e) repairing upholstered parts of worn furniture, mattresses and related products; and
- f) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7624)*

| | |
|---------|------------------------|
| 7624-01 | Upholsterer, Furniture |
| 7624-02 | Upholsterer, Vehicle |
| 7624-03 | Maker, Mattress |
| 7624-04 | Maker, Cushion |

UNIT GROUP 7625 PELT DRESSERS, TANNERS AND FELLMONGERS

Pelt Dressers, Tanners and Fellmongers prepare hides and skins for making leather products.

Tasks include:

- a) sorting and grading pelts, hides and skins;
- b) removing flesh and fat from pelts before curing;
- c) removing flesh and hair from hides;
- d) removing long coarse hair from pelts and trimming underlying hair to even length;
- e) operating machine to split hides edgeways;
- f) treating hides to convert them into leather;
- g) applying dyes to fur pelts;
- h) dressing and applying dyes and stains to leather;
- i) stretching and smoothing dressed pelts; and
- j) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7625)*

| | |
|---------|--------------|
| 7625-01 | Pelt Dresser |
| 7625-02 | Tanner |
| 7625-03 | Fellmonger |

MINOR GROUP 763 OTHER CRAFT AND RELATED WORKERS

Other Craft and Related Workers participate in activities related to underwater diving, shoffiring and blasting, grading and testing products (excluding food and beverages), and fumigate and control pests and weeds.

UNIT GROUP 7631 UNDERWATER DIVERS

Underwater Divers work under the surface of water with the aid of breathing apparatus to inspect, install, repair and remove equipment and structures, conduct tests or experiments, rig explosives, photograph structures or marine life, recover items or search for missing persons.

Tasks include:

- a) taking safety precautions such as monitoring dive lengths and depths, and registering with authorities before diving expeditions begin;
- b) inspecting and maintaining diving equipment such as helmets, masks, air tanks, diving suits, harnesses and gauges;
- c) working underwater to lay and repair bridges, piers and harbour wall foundations;
- d) inspecting for suspected damage and making minor repairs to ship hulls and underwater installations;
- e) reporting on condition of wrecked ships;
- f) removing underwater obstructions;
- g) drilling holes for underwater blasting;
- h) performing various underwater tasks connected with rescue or search for bodies;
- i) communicating with workers on the surface, while under water, using the signal or telephone lines;
- j) obtaining information about diving tasks and environmental conditions; and
- k) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7631)*

| | |
|---------|---------------------|
| 7631-01 | Diver |
| 7631-02 | Diver, Construction |
| 7631-03 | Underwater Worker |
| 7631-04 | Underwater Diver |

UNIT GROUP 7632 SHOFFIRERS AND BLASTERS

Shoffirers and Blasters assemble, position and detonate explosives in order to move or break up soil and rocks, or demolish buildings.

Tasks include:

- a) assembling, positioning and detonating explosives to move, break up soil and rocks, or demolish buildings;
- b) ensuring safety in the workplace, and procedures and regulations for the handling, storage and transport of explosives are complied;
- c) planning and giving instructions to lay out and estimate the depth and diameter of blast holes;
- d) examining the depth and cleanliness of blast holes;
- e) determining the quantity and type of explosives to be used;
- f) inserting explosives into blast holes;
- g) ensuring that all explosives are detonated, and reporting;
- h) declaring the blast area safe before and after detonation; and
- i) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7632)*

| | |
|---------|-------------------|
| 7632-01 | Blaster |
| 7632-02 | Shoffirer |
| 7632-03 | Explosives Worker |
| 7632-04 | Detonator |

UNIT GROUP 7633 PRODUCT GRADERS AND TESTERS (EXCLUDING FOODS AND BEVERAGES)

Product Graders and Testers (Excluding Foods and Beverages) inspect, test, sort, sample and weigh raw materials and goods produced or sold to ensure compliance with quality standards, identify defects, wear and deviations from specifications, and grade and classify them according to quality.

Tasks include:

- a) inspecting and testing products (excluding food and beverages) at various stages of processing to determine quality and grade;
- b) examining and verifying product grade;
- c) conducting inspection to ensure compliance with sanitation, grade, quality and labelling standard;
- d) obtaining product sample;
- e) checking and recommending licensing of industry graders;
- f) issuing hold orders and/or disposal orders;
- g) testifying in trials and court action as required; and
- h) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7633)*

| | |
|---------|-------------------|
| 7633-01 | Grader, Fibre |
| 7633-02 | Quality Inspector |
| 7633-03 | Wool Classer |

UNIT GROUP 7634 FUMIGATORS AND PEST AND WEED CONTROLLERS

Fumigators and Pest and Weed Controllers use chemicals to remove harmful insects, small animals, wild plants and other unwanted organisms to prevent damage to crops and buildings and other structures and their surroundings and to prevent health risks.

Tasks include:

- a) inspecting buildings or surroundings;
- b) taking safety precautions in the use and storage of chemicals;
- c) deciding on course of action to control or eliminate pests;
- d) preparing estimates and bills for clients;
- e) preparing and spraying chemical mixtures using various types of equipment;
- f) maintaining equipment in safe, efficient working order;
- g) maintaining work records of all properties inspected, pest or weed problems, chemicals used and amount of time spent at each location;
- h) placing and setting traps;
- i) advising clients on methods to prevent pest infestation; and
- j) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 7634)*

| | |
|---------|--------------------------|
| 7634-01 | Pest Controller |
| 7634-02 | Fumigator |
| 7634-03 | Fogging Worker, Bee |
| 7634-04 | Fogging Worker, Mosquito |

UNIT GROUP 7639 OTHER RELATED CRAFT WORKERS NOT ELSEWHERE CLASSIFIED

This unit group covers Other Related Craft Workers Not Elsewhere Classified in Minor Group 763: Other Craft and Related Workers.

Tasks include:

- a) operating the camera;
- b) heating, moulding and pressing optical glass to make lens blanks;
- c) grinding and polishing lens blanks; and
- d) performing related tasks.

Examples of the occupations classified here: ([refer to index](#); [unit group 7639](#))

| | |
|---------|--------------------------------------|
| 7639-01 | Assistant Camera Operator, Grade N11 |
| 7639-02 | Camera/Driver Assistant, Grade N3 |
| 7639-03 | Optical Lens Finisher |
| 7639-04 | Optical Lens Moulder |



8

PLANT AND MACHINE OPERATORS AND ASSEMBLERS



81 STATIONARY PLANT AND MACHINE OPERATORS

811 MINING AND MINERAL PROCESSING PLANT OPERATORS

- 8111 Miners and Quarry Workers
- 8112 Mineral and Stone Processing Plant Operators
- 8113 Well Drillers and Borers and Related Workers
- 8114 Cement, Stone and Other Mineral Products Machine Operators

812 METAL PROCESSING AND FINISHING PLANT OPERATORS

- 8121 Metal Processing Plant Operators
- 8122 Metal Finishing, Plating and Coating Machine Operators

813 CHEMICAL AND PHOTOGRAPHIC PRODUCTS PLANT AND MACHINE OPERATORS

- 8131 Chemical Products Plant and Machine Operators
- 8132 Photographic Products Machine Operators

814 RUBBER, PLASTIC AND PAPER PRODUCTS MACHINE OPERATORS

- 8141 Rubber Products Machine Operators
- 8142 Plastic Products Machine Operators
- 8143 Paper Products Machine Operators

815 TEXTILE, FUR AND LEATHER PRODUCTS MACHINE OPERATORS

- 8151 Fibre Preparing, Spinning and Winding Machine Operators
- 8152 Weaving and Knitting Machine Operators
- 8153 Sewing Machine Operators
- 8154 Bleaching, Dyeing and Fabric Cleaning Machine Operators
- 8155 Fur and Leather Preparing Machine Operators
- 8156 Shoemaking and Related Machine Operators
- 8157 Laundry Machine Operators
- 8159 Textile, Fur and Leather Products Machine Operators Not Elsewhere Classified

816 FOOD AND RELATED PRODUCTS MACHINE OPERATORS

- 8161 Food and Related Products Machine Operators

817 WOOD PROCESSING AND PAPERMAKING PLANT OPERATORS

- 8171 Pulp and Papermaking Plant Operators
- 8172 Wood Processing Plant Operators
- 8173 Wood Products Machine Operators



818 OTHER STATIONARY PLANT AND MACHINE OPERATORS

- 8181 Glass and Ceramics Plant Operators
- 8182 Steam Engine and Boiler Operators
- 8183 Packing, Bottling and Labelling Machine Operators
- 8189 Stationary Plant and Machine Operators Not Elsewhere Classified

82 ASSEMBLERS

821 ASSEMBLERS

- 8211 Mechanical Machinery Assemblers
- 8212 Electrical and Electronic Equipment Assemblers
- 8213 Leather, Metal, Rubber and Plastic Products Assemblers
- 8219 Assemblers Not Elsewhere Classified

822 MACHINE-TOOL SETTER-OPERATORS

- 8221 Machine-Tool Setter-Operators

83 DRIVERS AND MOBILE PLANT OPERATORS

831 LOCOMOTIVE ENGINE DRIVERS AND RELATED WORKERS

- 8311 Locomotive Engine Drivers
- 8312 Railway Brake, Signal and Switch Operators

832 CAR, VAN AND MOTORCYCLE DRIVERS

- 8321 Motorcycle Riders (Drivers)
- 8322 Car, Taxi and Van Drivers

833 HEAVY TRUCK AND BUS DRIVERS

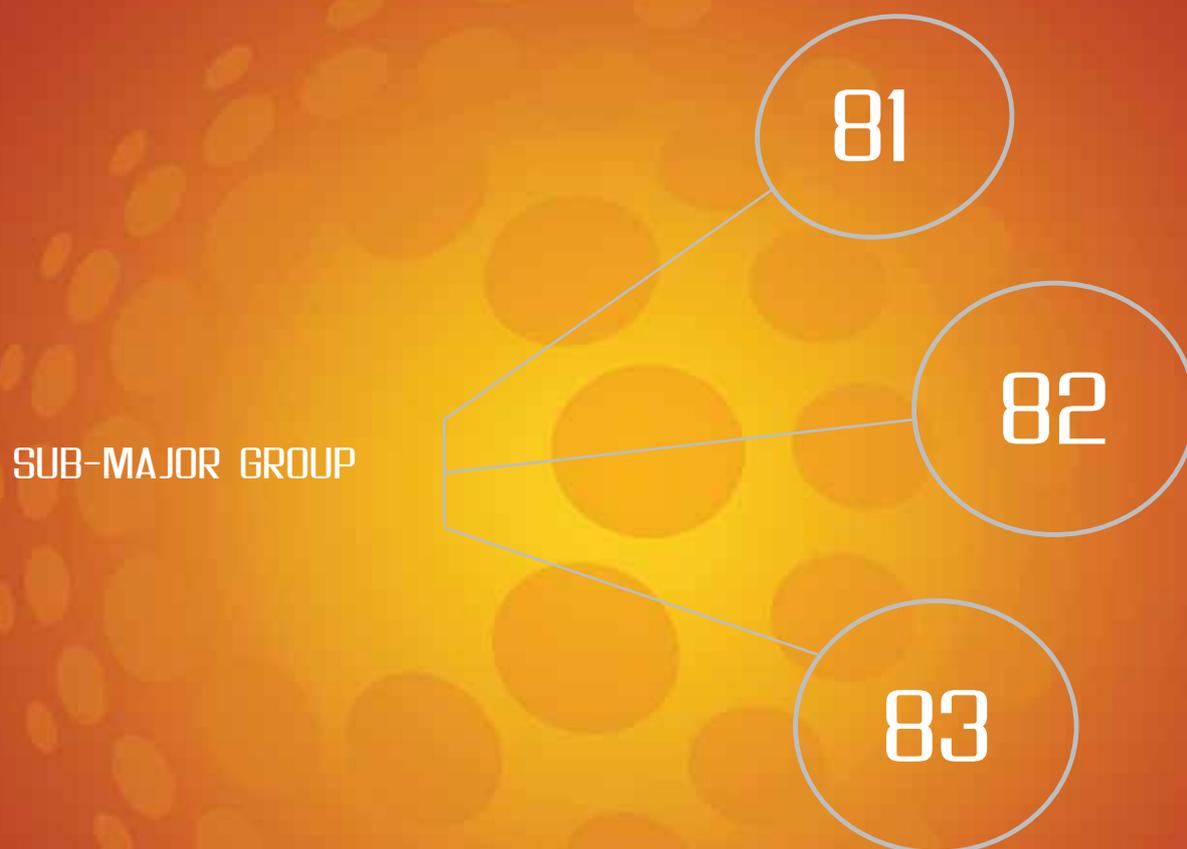
- 8331 Bus and Tram Drivers
- 8332 Heavy Truck and Lorry Drivers

834 MOBILE PLANT OPERATORS

- 8341 Mobile Farm and Forestry Plant Operators
- 8342 Earth-Moving and Related Plant Operators
- 8343 Crane, Hoist and Related Plant Operators
- 8344 Lifting Truck Operators

835 SHIPS' DECK CREWS AND RELATED WORKERS

- 8351 Ships' Deck Crews and Related Workers



81. STATIONARY PLANT AND MACHINE OPERATORS

82. ASSEMBLERS

83. DRIVERS AND MOBILE PLANT OPERATORS

MAJOR GROUP 8 PLANT AND MACHINE OPERATORS AND ASSEMBLERS

Description

Operate and monitor industrial and agricultural machinery and equipment, drive and operate trains, motor vehicles and mobile machinery and equipment, or assemble product component parts according to strict specifications and procedures.

The work mainly calls for experience with and understanding of industrial and agricultural machinery and equipment as well as an ability to cope with machine-paced operations and to adapt to technological innovations.

Skill Level

Most occupations in this major group require skills at the second level

SUB-MAJOR 81 STATIONARY PLANT AND MACHINE OPERATORS

Stationary Plant and Machine Operators operate and monitor stationary industrial plants, machinery and equipment whether on site or with a remote control or for which mobility is not an integral part of operations.

MINOR GROUP 811 MINING AND MINERAL PROCESSING PLANT OPERATORS

Mining and Mineral Processing Plant Operators operate and monitor plants and machinery to extract rocks and minerals from the earth, process minerals and stones, drill wells and bores, and manufacture and finish cement and stone products.

UNIT GROUP 8111 MINERS AND QUARRY WORKERS

Miners and Quarry Workers operate machinery, plants and hand tools, and extract solid minerals from underground and open cast mines or quarries.

Tasks include:

- a) extracting coal, ore and other solid minerals from underground or open cast mines;
- b) extracting granite, limestone, slate, flint or other kinds of rocks from quarries;
- c) setting up and operating machines which perforate channels or drill blasting holes into the open face of mines or quarries;
- d) cutting, fitting and installing wood or steel props;
- e) assembling poles and arches to support walls and roofs of underground work;
- f) collecting samples of coal or ore for laboratory analysis;
- g) extracting limestone, clay, gravel or sand from open cast mines;
- h) ensuring observance of workplace safety procedures and regulations;
- i) operating and monitoring mining machines; and
- j) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 8111)*

| | |
|---------|---------------------------------|
| 8111-01 | Miner |
| 8111-02 | Quarrier |
| 8111-03 | Machine Operator, Drilling |
| 8111-04 | Machine Operator, Mine Drilling |

UNIT GROUP 8112 MINERAL AND STONE PROCESSING PLANT OPERATORS

Mineral and Stone Processing Plant Operators operate and monitor machinery and equipment for processing mineral ores and stones.

Tasks include:

- a) operating and monitoring equipment which crushes and breaks lumps of minerals and stones to required size;
- b) operating and monitoring washing, separating, leaching, precipitating, filtering, extracting and combining equipment to wash mineral ore in order to remove waste material;
- c) combining mineral ores with solvents to facilitate further processing;
- d) separating metal or mineral concentrates from ore or alluvial deposits by thickening, floatation, gravity separation, filtration, or magnetic or electrostatic separation; and
- e) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 8112)*

| | |
|---------|------------------------------------|
| 8112-01 | Machine Operator, Stone Processing |
| 8112-02 | Machine Operator, Stone Splitting |
| 8112-03 | Machine Operator, Stone Crushing |
| 8112-04 | Machine Operator, Stone Milling |

UNIT GROUP 8113 WELL DRILLERS AND BORERS AND RELATED WORKERS

Well Drillers, Borers and Related Workers position, assemble and operate drilling machinery and related equipment to dig wells, extract ores, liquids or gases, or for various other purposes.

Tasks include:

- a) preparing and operating derrick pipe-handling devices and slush pumps;
- b) operating rotary or percussion-drilling machinery and equipment to drill oil or gas wells;
- c) cleaning and servicing oil or gas wells and replacing pumping rods, casings and tubings; and
- d) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 8113)*

| | |
|---------|------------------------------------|
| 8113-01 | Operator, Drilling Equipment |
| 8113-02 | Operator, Cable Drilling Equipment |
| 8113-03 | Operator, Well Drilling Equipment |
| 8113-04 | Operator, Oil and Gas Well Derrick |

UNIT GROUP 8114 CEMENT, STONE AND OTHER MINERAL PRODUCTS MACHINE OPERATORS

Cement, Stone and Other Mineral Products Machine Operators operate and monitor extrusion, moulding, mixing, grinding and cutter machines which manufacture and finish various precast concrete and stone products, or which make cast stone for building purposes.

Tasks include:

- a) operating and monitoring extrusion, moulding, grinding and cutter machines which manufacture and finish various precast concrete and stone products such as flagstones, fencing posts, moulded pipe sections and trench liners, walling and partition slabs, building components, cable conduits, fume and dust extraction conduits;
- b) operating and monitoring machines which mix sand, gravel, cement and water to make concrete; and
- c) operating heavy plant and machinery and mixing sand, gravel, cement, water and other materials to make concrete;
- d) cutting, grinding, drilling, sandblasting and polishing concrete and stone block products; and
- e) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 8114)*

| | |
|---------|---|
| 8114-01 | Machine Operator, Concrete Mixing |
| 8114-02 | Machine Operator, Cast Concrete Product |
| 8114-03 | Machine Operator, Cement Product |
| 8114-04 | Machine Operator, Asbestos |

MINOR GROUP 812 METAL PROCESSING AND FINISHING PLANT OPERATORS

Metal Processing and Finishing Plant Operators operate and monitor ore smelting, metal converting and refining furnaces, metal rolling mills, metal heat treating or metal extrusion plants.

UNIT GROUP 8121 METAL PROCESSING PLANT OPERATORS

Metal Processing Plant Operators operate and monitor ore smelting, metal converting and refining furnaces, metal rolling mills, metal heat treating or metal extrusion plants.

Tasks include:

- a) operating and monitoring rolling mills to form hot or cold steel into shapes for further processing, or into the final shape;
- b) operating and monitoring rolling mills to form hot or cold non-ferrous metal into specific shapes, such as plates, pieces or sheets;
- c) pouring molten metal into moulds and operating and monitoring casting machines;
- d) observing gauges, meters, computer printouts, video monitors and products to ensure proper operation;
- e) verifying specified processing conditions; and
- f) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 8121)*

| | |
|---------|------------------------------------|
| 8121-01 | Furnace Operator |
| 8121-02 | Furnace Operator, Steel Refining |
| 8121-03 | Furnace Operator, Steel Converting |
| 8121-04 | Hot-Roller Operator, Steel |

UNIT GROUP 8122 METAL FINISHING, PLATING AND COATING MACHINE OPERATORS

Metal Finishing, Plating and Coating Machine Operators operate and monitor equipment which finishes, plates and coats metal articles or parts in order to give them improved resistance to corrosion and abrasion, for decorative purposes, or to impart electrical or magnetic properties.

Tasks include:

- a) operating and monitoring equipment which cleans metal articles in preparation for electroplating, galvanising, enamelling or similar processes;
- b) operating and monitoring electroplating equipment;
- c) operating and monitoring hot-dip equipment used to coat iron and steel products;
- d) operating and monitoring machines which automatically coat wire with non-ferrous metal;
- e) operating and monitoring equipment used to spray molten metal or other substances on metal products to provide a protective or decorative coating or to build up worn or damaged surfaces;
- f) operating and monitoring equipment to oxidise metal surfaces to decorative finishes by chemical process;
- g) operating sandblasting equipment to clean and smoothen surfaces of metal parts;
- h) operating machines to semi-finish the surface of cast metal articles;
- i) operating and monitoring equipment used to impart a rust-resistant finishing to metal articles by treating them with chemicals and heating them; and
- j) performing related tasks.

Examples of the occupations classified here: (*refer to index; unit group 8122*)

| | |
|---------|--|
| 8122-01 | Machine Operator, Metal Electroplating |
| 8122-02 | Electroplater |
| 8122-03 | Machine Operator, Metal Dipping |
| 8122-04 | Hot-Dip Plater |

MINOR GROUP 813 CHEMICAL AND PHOTOGRAPHIC PRODUCTS PLANT AND MACHINE OPERATORS

Chemical and Photographic Products Plant and Machine Operators operate and monitor machines which process a variety of chemicals and other ingredients to produce pharmaceuticals, toiletries, explosives and photographic or other chemical products.

UNIT GROUP 8131 CHEMICAL PRODUCTS PLANT AND MACHINE OPERATORS

Chemical Products Plant and Machine Operators monitor and operate units and machinery to blend, mix, process and package a wide range of chemical products.

Tasks include:

- a) setting up, starting, controlling, adjusting and stopping machines and plant;
- b) monitoring reaction processes and transferring products in compliance with safety procedures;
- c) monitoring meters, gauges and electronic instrumentation for one or more chemicals;
- d) monitoring formulation units, such as mixers, kettles, blenders, dryers, tableting, encapsulation, granulation and coating machines;
- e) measuring, weighing and loading chemical ingredients following formulation cards;
- f) taking samples and performing routine chemical and physical tests of products and recording production data; and
- g) cleaning and performing minor repairs to machines and plant.

Examples of the occupations classified here: *(refer to index; unit group 8131)*

| | |
|---------|--|
| 8131-01 | Machine Operator, Paint-Mixing |
| 8131-02 | Machine Operator, Chemical Process Mixing and Blending |
| 8131-03 | Machine Operator, Glue-Mixing |
| 8131-04 | Machine Operator, Chemical Process Pulverising |

UNIT GROUP 8132 PHOTOGRAPHIC PRODUCTS MACHINE OPERATORS

Photographic Products Machine Operators operate and monitor equipment which makes photographic film and paper, and which processes exposed photographic film and makes prints.

Tasks include:

- a) operating and monitoring equipment which makes photographic film and paper;
- b) operating, monitoring and testing photographic processing and printing equipment, and maintaining operational standards;
- c) preparing exposed film for different processing batches in dark rooms and dark chambers;
- d) inspecting images, films, prints and adjusting settings on print-making equipment to produce required colour, brightness, contrast, number, size and type of prints;
- e) adjusting settings and running automatic processing film equipment;
- f) operating equipment to transfer film to video tape or other electronic media;
- g) operating automatic equipment (in retail shops) to develop colour negatives, prints and slides; and
- h) performing photographic processing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 8132)*

| | |
|---------|---|
| 8132-01 | General Assistant, Photography |
| 8132-02 | Machine Operator, Photography Printing |
| 8132-03 | Machine Operator, Photography Development |
| 8132-04 | Machine Operator, Scanning and Filming |

MINOR GROUP 814 RUBBER, PLASTIC AND PAPER PRODUCTS MACHINE OPERATORS

Rubber, Plastic and Paper Products Machine Operators operate and monitor machines which knead and blend rubber and rubber compounds, and produce various components and products from natural and synthetic rubber and plastics, or produce various types of products from paper, paperboard, cardboard and similar materials.

UNIT GROUP 8141 RUBBER PRODUCTS MACHINE OPERATORS

Rubber Products Machine Operators operate and monitor machines which knead and blend rubber and rubber compounds, and produce various components and products from natural and synthetic rubber such as moulded footwear, domestic articles, insulating materials, industrial accessories, or tyres for bicycles, automobiles, tractors, aircraft and other vehicles.

Tasks include:

- a) operating and monitoring machines which knead, mix and blend rubber and rubber compounds for further processing;
- b) operating and monitoring machines which produce sheets of rubber or rubberised fabric by a rolling process;

- c) operating and monitoring machines which extrude compounded rubber or shape vulcanised rubber by moulding;
- d) operating and monitoring machines which build up tyres according to the form, vulcanise tyres and mould or rebuild used tyres;
- e) operating and monitoring machines which manufacture rubber products such as hoses, air-bags, rubber foam for cushions and mattresses, rubber stamps, etc; and
- f) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 8141)*

| | |
|---------|------------------------------------|
| 8141-01 | Machine Operator, Rubber Milling |
| 8141-02 | Machine Operator, Rubber Extruding |
| 8141-03 | Press-Operator, Rubber Moulding |
| 8141-04 | Machine Operator, Rubber Calendar |

UNIT GROUP 8142 PLASTIC PRODUCTS MACHINE OPERATORS

Plastic Products Machine Operators operate and monitor machines which knead and blend compounds to obtain plastic materials and which make various plastic components and articles.

Tasks include:

- a) operating and monitoring machines which knead, mix and blend compounds to obtain plastic materials;
- b) operating and monitoring machines which shape plastic materials by moulding, extrusion, cutting and other means;
- c) operating and monitoring machines which laminate plastics and plastic-impregnated materials;
- d) operating and monitoring machines which compress plastic powder into pellets;
- e) operating and monitoring machines which emboss designs on plastic sheets;
- f) operating and monitoring machines which make plastic products such as domestic articles, moulded footwear, toys and industrial accessories;
- g) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 8142)*

| | |
|---------|--|
| 8142-01 | Machine Operator, Plastic Mixing |
| 8142-02 | Press-Machine Operator, Plastic Laminating |
| 8142-03 | Machine Operator, Plastic Extruding |
| 8142-04 | Machine Operator, Plastic Compression Moulding |

UNIT GROUP 8143 PAPER PRODUCTS MACHINE OPERATORS

Paper Products Machine Operators operate and monitor machines which produce boxes, envelopes, bags and other products from paper, paperboard, cardboard, cellophane and similar materials.

Tasks include:

- a) operating machines which seal paper to cardboard, cut it to the required length or cut and crease cardboard or paperboard to form box blanks;
- b) operating pressing machines which form drinking cups or other containers from paper, paperboard or cardboard;
- c) operating machines which cut, fold and seal paper to make envelopes and paper bags, or which form bags from other materials;

- d) operating machines which make joss paper and other ceremonial paper products used in praying and other religious activities; and
- e) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 8143)*

| | |
|---------|---|
| 8143-01 | Machine Operator, Carton and Paper Box Production |
| 8143-02 | Machine Operator, Paper Products |
| 8143-03 | Machine Operator, Cellophane Bag Production |
| 8143-04 | Machine Operator, Envelope Production |

MAJOR GROUP 815 TEXTILE, FUR AND LEATHER PRODUCTS MACHINE OPERATORS

Textile, Fur and Leather Products Machine Operators operate and monitor various types of machines which prepare, process and treat fibres, yarn, thread, leather or fur, produce, modify and repair footwear and garments, and manufacture or dry-clean textiles or fur and leather articles.

UNIT GROUP 8151 FIBRE PREPARING, SPINNING AND WINDING MACHINE OPERATORS

Fibre Preparing, Spinning and Winding Machine Operators operate and monitor machines which prepare fibres, and spin, twist and wind yarn and thread.

Tasks include:

- a) operating machines which combine textile fibres into uniform blends;
- b) operating machines which clean and fluff textile fibres, transform them into sliver, comb them into sliver for first drawing, combine slivers into sliver lap or sliver laps into ribbon lap, combine several slivers into one attenuated strand of regular quality and weight;
- c) operating machines which transform sliver into roving;
- d) operating machines which spin thread and yarn from roving, wind two or more threads onto a bobbin, twist two or more strands of yarn or thread into a single heavier and stronger strand, or wind yarn or thread from one package to another; and
- e) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 8151)*

| | |
|---------|--|
| 8151-01 | Machine Operator, Thread and Yarn Twisting |
| 8151-02 | Thread and Yarn Winder |
| 8151-03 | Thread and Yarn Spinner |
| 8151-04 | Silk Reeler |

UNIT GROUP 8152 WEAVING AND KNITTING MACHINE OPERATORS

Weaving and Knitting Machine Operators operate and monitor weaving and knitting machines and related equipment used to produce materials and fabrics.

Tasks include:

- a) operating machines used to weave or knit plain or printed cloth, tapestry, lace, carpets, garments, net, hosiery or other fabrics or articles; and
- b) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 8152)*

| | |
|---------|--|
| 8152-01 | Machine Operator, Warping Beam (Textile Weaving) |
| 8152-02 | Machine Operator, Weaving |
| 8152-03 | Machine Operator, Carpet Weaving |
| 8152-04 | Machine Operator, Knitting |

UNIT GROUP 8153 SEWING MACHINE OPERATORS

Sewing Machine Operators operate and monitor sewing machines to make, repair and renovate textile, fur, synthetic or leather garments, or embroider ornamental designs on garments or other materials.

Tasks include:

- operating and monitoring standard or specialised single- or multiple-needle sewing machines to make or repair garments, gloves and miscellaneous products of textile or leather, and embroidering ornamental designs on textile or other materials;
- performing equipment maintenance tasks such as replacing needles;
- attaching buttons, hooks, zips, fasteners or other accessories to fabric; and
- performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 8153)*

| | |
|---------|-------------------------------------|
| 8153-01 | Sewing Machine Operator, |
| 8153-02 | Sewing Machine Operator, Leather |
| 8153-03 | Sewing Machine Operator, Crochet |
| 8153-04 | Sewing Machine Operator, Embroidery |

UNIT GROUP 8154 BLEACHING, DYEING AND FABRIC CLEANING MACHINE OPERATORS

Bleaching, Dyeing and Fabric Cleaning Machine Operators operate and monitor machines which bleach, dye, wash and otherwise treat fibres, yarn or cloth, or dry clean textile and leather articles.

Tasks include:

- operating and monitoring machines which treat textile products to lighten their colour or to give them a specific colour;
- operating and monitoring machines which wash or dry-clean textile or leather products to remove dirt, impurities, excess chemicals or natural gum;
- operating and monitoring machines which shrink cloth or strengthen the weave by interlocking the fibres;
- operating and monitoring machines which impregnate textiles with chemicals to render them waterproof;
- operating and monitoring machines which treat silk to give it body and weight;
- operating and monitoring machines which press, stretch or impart lustre, or other type of finishes on textiles; and
- performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 8154)*

| | |
|---------|-------------------------------------|
| 8154-01 | Machine Operator, Textile Bleaching |
| 8154-02 | Machine Operator, Dyeing |
| 8154-03 | Machine Operator, Starch |
| 8154-04 | Machine Operator, Washing |

UNIT GROUP 8155 FUR AND LEATHER PREPARING MACHINE OPERATORS

Fur and Leather Preparing Machine Operators operate and monitor various machines which prepare fur and leather.

Tasks include:

- operating and monitoring machines which remove flesh, fat and hair from pelts before curing;
- operating and monitoring machines which treat hides and skins in solutions and apply a finishing product to convert them into leather;
- operating and monitoring machines which apply dyes and stains to leather; and
- performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 8155)*

| | |
|---------|-----------------------------------|
| 8155-01 | Machine Operator, Hide Processing |
| 8155-02 | Machine Operator, Hide Fleshing |
| 8155-03 | Machine Operator, Hide Dehairing |
| 8155-04 | Machine Operator, Tanning |

UNIT GROUP 8156 SHOEMAKING AND RELATED MACHINE OPERATORS

Shoemaking and Related Machine Operators operate and monitor machines which produce and repair standard or special footwear, handbags and other accessories, mainly made of leather.

Tasks include:

- operating and monitoring machines which mark patterns and cut shoe parts;
- operating and monitoring machines which sew shoe parts together, or edge, polish, or apply ornaments and perform finishing tasks;
- operating and monitoring machines which produce luggage, handbags, belts and other accessories, as well as other items such as collars or harnesses; and
- performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 8156)*

| | |
|---------|---|
| 8156-01 | Machine Operator, Footwear Production |
| 8156-02 | Machine Operator, Orthopaedic Footwear Production |
| 8156-03 | Machine Operator, Sports Footwear Production |
| 8156-04 | Machine Operator, Safety Footwear Production |

UNIT GROUP 8157 LAUNDRY MACHINE OPERATORS

Laundry Machine Operators operate laundry, dry cleaning, presser and fabric treatment machines in laundries and dry cleaning establishments.

Tasks include:

- sorting articles for cleaning according to type, colour, fabric and cleaning treatment required;
- placing sorted articles into containers and onto conveyor belts to be brought to the repair and cleaning areas;
- checking and removing stains from garments, and replacing buttons and making minor repairs;

- d) loading and unloading washing machines, driers and extractors;
- e) adding cleaning agents and starches to laundry articles;
- f) monitoring laundry articles and guiding them through cleaning and pressing machines;
- g) stopping and starting machines to untangle, straighten and remove laundry articles;
- h) placing laundry articles on shelves and hanging laundry articles for delivery and collection; and
- i) packing laundry articles and preparing orders for delivery.

Examples of the occupations classified here: *(refer to index; unit group 8157)*

| | |
|---------|--|
| 8157-01 | Machine Operator, Textile Fibre Dyeing |
| 8157-02 | Machine Operator, Laundering |
| 8157-03 | Machine Operator, Laundry Presser |

UNIT GROUP 8159 TEXTILE, FUR AND LEATHER PRODUCTS MACHINE OPERATORS NOT ELSEWHERE CLASSIFIED

This unit group includes Textile, Fur and Leather Products Machine Operators Not Elsewhere Classified in Minor Group 815: Textile Products Machine operators.

Tasks include:

- a) operating and monitoring machines which make hats, mattresses or miscellaneous articles such as braids, lace or other trimmings; and
- b) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 8159)*

| | |
|---------|-----------------------------------|
| 8159-01 | Machine Operator, Garment Cutting |
| 8159-02 | Machine Cutter, Leather Garments |
| 8159-03 | Machine Operator, Textile Cutting |
| 8159-04 | Machine Operator, Hat Making |

MINOR GROUP 816 FOOD AND RELATED PRODUCTS MACHINE OPERATORS

Food and Related Products Machine Operators operate and monitor machines which slaughter animals, process meat, process foodstuffs and related products, and process tobacco.

UNIT GROUP 8161 FOOD AND RELATED PRODUCTS MACHINE OPERATORS

Food and Related Products Machine Operators operate and monitor machines which slaughter animals, process meat, process foodstuffs and related products, and process tobacco.

Tasks include:

- a) operating machines used to slaughter animals and to cut animal carcasses or fish into standard pieces;
- b) operating machines which pasteurise, homogenise and heat-treat milk and cream;
- c) operating machinery used for the production of flour, food and animal feed, and for processing rice;
- d) operating machines which mix and blend flour with other ingredients to prepare dough for the production of bread, pastries, pasta, noodles and related products;

- e) operating machines which extract juice from fruit and vegetables by heating or processing;
- f) operating machines which crush sugar cane or extract juice from sugar beet;
- g) operating machines which process barley and other grains used in making distilled and malt liquors, and controlling the fermentation process;
- h) operating machines which process tobacco in preparation for manufacturing cigarettes, cigar and other tobacco products; and
- i) performing related tasks.

Examples of the occupations classified here: (*refer to index; unit group 8161*)

| | |
|---------|-----------------------------------|
| 8161-01 | Machine Operator, Meat Processing |
| 8161-02 | Machine Operator, Fish Processing |
| 8161-03 | Machine Operator, Food Processing |
| 8161-04 | Machine Operator, Slaughtering |

MINOR GROUP 817 WOOD PROCESSING AND PAPERMAKING PLANT OPERATORS

Wood Processing and Papermaking Plant Operators operate and monitor machinery and equipment which saw, cut and grind wood in preparation for further use, process wood and its materials into pulp, and make paper from pulp.

UNIT GROUP 8171 PULP AND PAPERMAKING PLANT OPERATORS

Pulp and Papermaking Plant Operators operate and monitor machinery and equipment which process materials such as wood, old paper, esparto, straw, scrap-pulp and paper into stock for use in papermaking.

Tasks include:

- a) operating and monitoring chipper and grinding machines which make pulp from logs;
- b) operating and monitoring digesters which produce pulp from materials such as wood, old paper, esparto, straw or scrap-pulp and scrap paper;
- c) operating and monitoring machines which bleach wood pulp, old paper, esparto, straw or scrap-pulp and scrap paper;
- d) operating and monitoring machines which mix, beat and hydrate pulp and other ingredients to prepare materials to make paper;
- e) cutting old paper, wastepaper and straws into small pieces with a cutting machine to make paper pulp;
- f) operating valves to charge raw materials into digester;
- g) operating and monitoring papermaker machines and equipment in which wet pulp is formed into paper or in which paper is dried, lubricated, wound, slit, and rewound;
- h) operating and monitoring lubrication machines used to impart gloss and finishes on paper surface;
- i) operating and monitoring machinery and equipment used to glaze or impregnate paper with coating mixture; and
- j) performing related tasks.

Examples of the occupations classified here: (*refer to index; unit group 8171*)

| | |
|---------|---------------------------------|
| 8171-01 | Operator, Pulp Digester |
| 8171-02 | Machine Operator, Chipping |
| 8171-03 | Operator, Pulp Beater |
| 8171-04 | Machine Operator, Wood Grinding |

UNIT GROUP 8172 WOOD PROCESSING PLANT OPERATORS

Wood Processing Plant Operators operate and monitor machinery and equipment for sawing wood, cutting veneer and making plywood, particle board and chipboard, and otherwise prepare wood for further use.

Tasks include:

- a) operating and monitoring log in-feed and conveyor systems;
- b) operating and monitoring head saws, resaws and multi-blade saws to saw logs, slabs or wings and remove rough edges from sawn timber;
- c) operating and monitoring machines which cut veneer;
- d) operating and monitoring plywood core-laying machines and hot-plate plywood presses;
- e) operating steam-heated kilns to desiccate wood;
- f) operating equipment which desiccates wood;
- g) operating dryer to dry freshly shaped veneer sheets;
- h) operating machines to clip continuous veneer sheets to specified width; and
- i) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 8172)*

| | |
|---------|--------------------------|
| 8172-01 | Operator, Sawmill |
| 8172-02 | Saw Operator |
| 8172-03 | Saw Operator, Wet Timber |
| 8172-04 | Saw Operator, Wood |

UNIT GROUP 8173 WOOD PRODUCTS MACHINE OPERATORS

Wood Products Machine Operators operate and monitor woodworking machines which perform repetitive work such as sawing, boring, shaping, planing, turning or carving wood to produce wood products.

Tasks include:

- a) setting up and operating one or more previously set up machines for sawing, shaping, boring, planing, turning or carving wood; and
- b) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 8173)*

| | |
|---------|--------------------------------|
| 8173-01 | Lathe Operator, Woodworking |
| 8173-02 | Machinist, Wood |
| 8173-03 | Lathe Operator, Wood (Machine) |
| 8173-04 | Machine Operator, Wood Carving |

MINOR GROUP 818 OTHER STATIONARY PLANT AND MACHINE OPERATORS

Other Stationary Plant and Machine Operators operate and monitor machinery and plants for processing metal and ceramics, steam boilers, packing, manufacture of silicone chips and related machines.

UNIT GROUP 8181 GLASS AND CERAMICS PLANT OPERATORS

Glass and Ceramics Plant Operators operate and monitor kilns, furnaces and other machinery and equipment used in the manufacture of glass, ceramics, porcelain, tiles or bricks. They operate machines to anneal, harden or decorate glass and ceramics.

Tasks include:

- a) operating and monitoring glass-making furnaces to make glass by melting and fusing pre-mixed ingredients;
- b) tending hot- or cold-end spray equipment used to coat glassware with surface hardener;
- c) operating and maintaining machines that press or blow molten glass in moulds to form or shape containers, such as bottles, jars and drinking glasses;
- d) operating hand presses to mould glass into the required shape;
- e) operating drawing kilns to process molten glass into a continuous sheet of flat glass;
- f) operating and monitoring floating-glass production plant;
- g) operating and maintaining finishing machines to grind, drill, sand, bevel, decorate, wash or polish glass or glass products;
- h) setting up and operating press machines to mould ceramic articles from moist clay;
- i) operating machines to mix clay with water to knead it into a suitable plastic condition or semi-liquid form for making ceramic products;
- j) operating and monitoring kilns which bake pottery, porcelain ware and bake bricks and tiles;
- k) operating and monitoring machines for making glaze or abrasives;
- l) operating and monitoring machines which extrude molten glass to form fibreglass filaments; and
- m) observing finished products to identify splits, cracks, breaks, colour and other imperfections.

Examples of the occupations classified here: (*refer to index; unit group 8181*)

| | |
|---------|------------------------------------|
| 8181-01 | Machine Operator, Clay Mixing |
| 8181-02 | Machine Operator, Glass Mixing |
| 8181-03 | Furnace Operator, Glass Production |
| 8181-04 | Operator, Retort |

UNIT GROUP 8182 STEAM ENGINE AND BOILER OPERATORS

Steam Engine and Boiler Operators maintain and operate various types of steam engines, boilers, turbines and auxiliary equipment to provide power and other utility services for commercial, industrial and institutional buildings, at work sites and aboard ships.

Tasks include:

- a) operating and monitoring coal or oil-fired steam engines or boilers;
- b) monitoring and checking the performance of equipment to ensure efficient operation and that boiler water, chemicals and fuel are maintained at required levels;
- c) testing the boiler water quality and taking necessary corrective action such as adding chemicals to prevent corrosion and harmful deposits;

- d) managing the operation of static plant / machinery of the department either steam boiler or internal combustion engine, scheduled / periodic maintenance of the boiler, boiler safety procedures as well as the support system connected to the boiler; and
- e) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 8182)*

| | |
|---------|--------------------------|
| 8182-01 | Plant Operator, Grade R3 |
| 8182-02 | Boilerman |
| 8182-03 | Boiler Operator, Ship |
| 8182-04 | Fire Operator, Ship |

UNIT GROUP 8183 PACKING, BOTTLING AND LABELLING MACHINE OPERATORS

Packing, Bottling and Labelling Machine Operators operate machines which pack, label and, if needed, add revenue stamps to products, packages and containers, or inspect finished products or parts in compliance with manufacturer's standards, finish and appearance.

Tasks include:

- a) inspecting finished products or parts in compliance with manufacturer's finish, physical appearance and standards;
- b) operating machines which wrap and pack various products, including liquids, for storage or shipment;
- c) operating machines which, by gluing or other methods, label products, packages and various containers, or add revenue stamps; and
- d) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 8183)*

| | |
|---------|-----------------------------|
| 8183-01 | Operator, Carton |
| 8183-02 | Operator, Packing |
| 8183-03 | Packer |
| 8183-04 | Machine Operator, Labelling |

UNIT GROUP 8189 STATIONARY PLANT AND MACHINE OPERATORS NOT ELSEWHERE CLASSIFIED

This unit group includes Stationary Plant and Machine Operators Not Elsewhere Classified in Minor Group 818: Other Stationary Plant and Machine Operators.

Tasks include:

- a) inspecting finished products or parts in compliance with manufacturer's finish, physical appearance and standards;
- b) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 8189)*

| | |
|---------|--------------------------------|
| 8189-01 | Machine Operator |
| 8189-02 | Production Operator |
| 8189-03 | Equipment and Machine Operator |
| 8189-04 | Heavy Machinery Operator |

SUB-MAJOR 82 **ASSEMBLERS**

Assemblers assemble prefabricated parts or components to form products and equipment according to strict specifications and procedures.

MINOR GROUP 821 **ASSEMBLERS**

Assemblers assemble prefabricated parts or components to form products and equipment according to strict specifications and procedures.

UNIT GROUP 8211 **MECHANICAL MACHINERY ASSEMBLERS**

Mechanical Machinery Assemblers assemble the components or parts of mechanical machinery such as the engine, motor vehicles, turbines and aircraft according to specifications.

Tasks include:

- a) assembling the components or parts of mechanical machinery, engines and vehicles according to specifications; and
- b) inspecting and testing completed components and assemblies; and
- c) performing related tasks.

Examples of the occupations classified here: (*refer to index; unit group 8211*)

| | |
|---------|---|
| 8211-01 | Tradesman 2 - Fitter (Machinery), Grade R11 |
| 8211-02 | Assembler |
| 8211-03 | Foreman |
| 8211-04 | Assembler, Marine Engine |

UNIT GROUP 8212 **ELECTRICAL AND ELECTRONIC EQUIPMENT ASSEMBLERS**

Electrical and Electronic Equipment Assemblers assemble the components or parts of electrical and electronic equipment according to specifications.

Tasks include:

- a) assembling the components or parts of electrical and electronic equipment according to specifications; and
- b) inspecting and testing completed components and assemblies; and
- c) performing related tasks.

Examples of the occupations classified here: (*refer to index; unit group 8212*)

| | |
|---------|--|
| 8212-01 | Tradesman K2 - Assembler (Aerial), Grade R11 |
| 8212-02 | Assembler, Electrical Equipment |
| 8212-03 | Assembler, Electronic Equipment |
| 8212-04 | Assembler, Semi-Conductor |

UNIT GROUP 8213 **LEATHER, METAL, RUBBER AND PLASTIC PRODUCTS ASSEMBLERS**

Leather, Metal, Rubber and Plastic Products Assemblers perform specialised tasks in assembling the leather, metal, rubber or plastic components or parts of various types of products such as toys, sports equipment and other products according to specifications.

Tasks include:

- a) assembling the leather, metal, rubber or plastic components or parts of various types of products according to specifications; and
- b) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 8213)*

| | |
|---------|-----------------------------|
| 8213-01 | Assembler, Leather Products |
| 8213-02 | Assembler, Metal Products |
| 8213-03 | Assembler, Rubber Products |
| 8213-04 | Assembler, Plastic Products |

UNIT GROUP 8219 ASSEMBLERS NOT ELSEWHERE CLASSIFIED

This unit group includes Assemblers Not Elsewhere Classified in Minor Group 821: Assemblers.

Tasks include:

- assembling components or parts according to specifications;
- inspecting finished products or parts in compliance with manufacturer's finish, physical appearance and standards
- performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 8219)*

| | |
|---------|--|
| 8219-01 | Tradesman K3 - Apparatus Assembler, Grade R9 |
| 8219-02 | Assembler, Wood Products |
| 8219-03 | Assembler, Composite Products |
| 8219-04 | Assembler, Textile Products |

MINOR GROUP 822 MACHINE-TOOL SETTER-OPERATORS

Machine-Tool Setter-Operators set up and operate various machine tools for use at high tolerance levels.

UNIT GROUP 8221 MACHINE-TOOL SETTER-OPERATORS

Machine-Tool Setter-Operators set up and operate various machine tools for use at high tolerance levels.

Tasks include:

- setting up one or more types of machine tools to produce articles in standardised series;
- operating and monitoring particular types of work machines such as lathes, stamping presses, power shears, metal-bending, milling, sizer, boring, drilling, grinding, honing or metal-sawing machines which may be numerically controlled or linked by an automatic-transfer machine; and
- performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 8221)*

| | |
|---------|-------------------------------------|
| 8221-01 | Operator, Metal Forming Machine |
| 8221-02 | Operator, Watch Production Machine |
| 8221-03 | Operator, Needle Production Machine |
| 8221-04 | Operator, Cable Production Machine |

SUB-MAJOR 83 DRIVERS AND MOBILE PLANT OPERATORS

Drivers and Mobile Plant Operators drive trains and motor vehicles, operate mobile industrial and agricultural machinery and equipment, or execute deck duties on board ships and other water-borne craft.

MINOR GROUP 831 LOCOMOTIVE ENGINE DRIVERS AND RELATED WORKERS

Locomotive Engine Drivers and Related Workers drive or assist in driving locomotive engines to transport passengers and freight, take charge of and safeguard railway freight trains during runs, control the movement of railway traffic by operating signals, switch rolling stock and make up trains in railway yards, make up trains for hauling in mines and control their movement.

UNIT GROUP 8311 LOCOMOTIVE ENGINE DRIVERS

Locomotive Engine Drivers drive or assist in driving locomotive engines, trains, monorails and similar engines to transport passengers and freight.

Tasks include:

- a) operating and maintaining passenger trains;
- b) driving or assisting in driving a steam, electric or diesel-electric locomotive engine;
- c) driving a locomotive to haul carriages underground or on the surface of a mine or quarry;
- d) watching for track hazards, observing signals and indicator gauges; and
- e) operating communications systems to communicate with train crews and traffic controllers to ensure safe operation and scheduling of trains.

Examples of the occupations classified here: (*refer to index; unit group 8311*)

| | |
|---------|---|
| 8311-01 | Engine Driver (Bukit Bendera Train), Grade R9 |
| 8311-02 | Locomotive Driver, Grade AA13 |
| 8311-03 | Train Driver |
| 8311-04 | Locomotive Driver |

UNIT GROUP 8312 RAILWAY BRAKE, SIGNAL AND SWITCH OPERATORS

Railway Brake, Signal and Switch Operators take charge of and safeguard railway freight trains during runs, control the movement of railway traffic by operating signals, switch rolling stock and make up trains in railway yards, make up trains for hauling in mines and control their movement.

Tasks include:

- a) taking charge of and safeguarding freight train during runs;
- b) controlling flow of railway traffic over section of line by operating signals and switches from control panel or signal box;
- c) switching and coupling rolling stock in railway yards and sidings in accordance with orders about loading, unloading and make-up of trains;
- d) making up trains for hauling by locomotive or cable and directing their movement along haulage ways in a mine or quarry; and
- e) checking train systems and equipment such as air conditioning and heating systems, brakes and brake hoses prior to train run.

Examples of the occupations classified here: (*refer to index; unit group 8312*)

| | |
|---------|--------------------|
| 8312-01 | Braker, Railway |
| 8312-02 | Signaller, Railway |
| 8312-03 | Shunter, Railway |
| 8312-04 | Yardman |

MINOR GROUP 832 CAR, VAN AND MOTORCYCLE DRIVERS

Car, Van and Motorcycle Drivers drive and tend motorcycles, motorised tricycles, cars or vans to transport passengers, materials or goods.

UNIT GROUP 8321 **MOTORCYCLE RIDERS (DRIVERS)**

Motorcycle Riders (Drivers) drive and tend motorcycles or motorised tricycles equipped to transport materials, goods or passengers.

Tasks include:

- a) driving and tending motorcycles or motorised tricycles to transport materials, goods and passengers;
- b) observing traffic rules and signals;
- c) cleaning and washing vehicle as well as performing maintenance and minor repairs;
- d) keeping a record of journeys; and
- e) delivering messages.

Examples of the occupations classified here: *(refer to index; unit group 8321)*

| | |
|---------|----------------------------|
| 8321-01 | Motorcyclist |
| 8321-02 | Rider, Despatch |
| 8321-03 | Driver, Rickshaw |
| 8321-04 | Driver, Motorised Tricycle |

UNIT GROUP 8322 **CAR, TAXI AND VAN DRIVERS**

Car, Taxi and Van Drivers drive and tend motorcars and vans to transport passengers, mail or goods.

Tasks include:

- a) driving and tending passengers, vans, cars or taxis;
- b) driving and tending cars, vans or small trucks to deliver mail or goods;
- c) assisting passengers with handling of luggage;
- d) collecting fares, payments for deliveries, or documents certifying deliveries;
- e) operating telecommunications equipment to report location and availability and follow directions of control centre;
- f) determining the most appropriate route;
- g) assisting disabled passengers;
- h) driving office vehicles on official duty, tending and maintaining vehicles, and ensuring the safety of the vehicles and their accessories; and
- i) operating equipment to facilitate the loading and unloading of disabled passengers.

Examples of the occupations classified here: *(refer to index; unit group 8322)*

| | |
|---------|----------------------------------|
| 8322-01 | Driver, Grade R3 |
| 8322-02 | General Worker (Driver), Grade 1 |
| 8322-04 | Driver, Taxi |
| 8322-05 | Chauffeur |

MINOR GROUP 833 HEAVY TRUCK AND BUS DRIVERS

Heavy Truck and Bus Drivers drive and tend heavy trucks, lorries, buses or street tramcars to transport goods, liquids, heavy materials, mail or passengers.

UNIT GROUP 8331 **BUS AND TRAM DRIVERS**

Bus and Tram Drivers drive and tend buses or street tramcars to transport passengers, mail or goods.

Tasks include:

- a) driving and tending motor bus, trolley bus or motor coach to transport local or long-distance passengers, mail or goods;
- b) driving and tending street tramcar transporting passengers;
- c) opening and closing doors before or after passengers board or alight;
- d) assisting passengers with luggage;
- e) controlling lighting, heating and air-conditioning on buses and trams;
- f) observing traffic rules to ensure safe progress; and
- g) collecting fares or verifying that passengers have the necessary ticket.

Examples of the occupations classified here: *(refer to index; unit group 8331)*

| | |
|---------|-----------------------|
| 8331-01 | Driver, Bus |
| 8331-02 | Driver, Tram |
| 8331-03 | Motor Coach Driver |
| 8331-04 | Assistant, Bus Driver |

UNIT GROUP 8332 **HEAVY TRUCK AND LORRY DRIVERS**

Heavy Truck and Lorry Drivers drive and tend heavy motor vehicles to transport goods, liquids and heavy materials over short or long distances.

Tasks include:

- a) driving and tending a heavy motor vehicles to transport goods, liquids or heavy materials over short or long distances;
- b) determining the most appropriate routes;
- c) ensuring goods are stowed and securely covered to prevent loss and damage;
- d) assisting with or carrying out loading or unloading operations using various lifting or tipping devices;
- e) carrying out minor maintenance to vehicles, and arranging major maintenance and repairs; and
- f) estimating weights to comply with load limitations, and ensuring the safe distribution of weights.

Examples of the occupations classified here: *(refer to index; unit group 8332)*

| | |
|---------|-------------------------|
| 8332-01 | Driver, Lorry |
| 8332-02 | Assistant Driver, Lorry |
| 8332-03 | Driver, Fire-Engine |
| 8332-04 | Driver, Dump Truck |

MINOR GROUP 834 MOBILE PLANT OPERATORS

Mobile Plant Operators drive or operate agricultural and other machinery and equipment for handling materials and heavy objects.

UNIT GROUP 8341 MOBILE FARM AND FORESTRY PLANT OPERATORS

Mobile Farm and Forestry Plant Operators drive or operate one or more types of motorised, mobile farm or forestry machinery or equipment used in farming, horticultural and forestry operations.

Tasks include:

- a) driving or operating tractor or machinery for ploughing, sowing, harvesting, or other special-purpose farm machinery, or similar tractor-drawn equipment;
- b) servicing machinery and performing minor repairs; and
- c) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 8341)*

| | |
|---------|------------------------------------|
| 8341-01 | Operator, Motorised Farm Equipment |
| 8341-02 | Driver, Farm Tractor |
| 8341-03 | Driver, Timber Carrier |
| 8341-04 | Driver, Winch Truck |

UNIT GROUP 8342 EARTH-MOVING AND RELATED PLANT OPERATORS

Earth-Moving and Related Plant Operators operate machines to excavate, grade, level, smooth and compact earth or similar materials.

Tasks include:

- a) operating and monitoring excavating machines equipped with moveable shovel, grab-bucket or dragline bucket to excavate and move earth, rock, sand, gravel or similar materials;
- b) operating and monitoring machines for digging trenches for sewers, drainage, water, oil, gas or similar pipelines;
- c) operating and monitoring machines equipped with a concave steel blade to move, distribute and level earth, sand and other materials;
- d) operating and monitoring equipment to remove sand, gravel and mud from the bottom of a body of water;
- e) operating and monitoring machines for hammering wooden, concrete or steel piles into the ground;
- f) operating and monitoring power rollers to compact and smooth layers of materials in making roads, pavements and similar work;
- g) operating and monitoring machines which spread and smooth concrete or bituminous or tar preparations to construct roadways, roads or similar work; and
- h) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 8342)*

| | |
|---------|----------------------------------|
| 8342-01 | Operator, Backhoe |
| 8342-02 | Machine Operator, Trench Digging |
| 8342-03 | Operator, Piling-Driver |
| 8342-04 | Operator, Bulldozer |

UNIT GROUP 8343 CRANE, HOIST AND RELATED PLANT OPERATORS

Crane, Hoist and Related Plant Operators operate and monitor stationary and mobile cranes and other hoisting equipment.

Tasks include:

- a) transferring, transporting, moving and organising any type of load such as bulk cargo, break bulk cargo, container, machines, etc. from the ship to the pier or vice versa, to warehouses, workshops, and other places involving moving machinery such as forklifts, tractors, prime movers, transfer cranes, transtainer cranes, straddle cranes, kangaroo cranes, gantry cranes, lauffing cranes and levelling cranes;
- b) operating and monitoring stationary or mobile cranes to lift, move, position or place equipment and materials;
- c) operating and monitoring equipment for hoisting, lowering or raising workers and materials on construction sites or in mines;
- d) operating and monitoring ski-lifts and similar equipment;
- e) operating and monitoring machinery used to haul ferries or barges with goods, passengers and vehicles across short stretches of water;
- f) operating and monitoring machinery to open and close bridges for the passage of road and water traffic;
- g) operating and monitoring cranes equipped with dredging attachments to dredge waterways and other areas;
- h) operating cranes mounted on boats or barges to lift, move and place equipment and materials; and
- i) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 8343)*

| | |
|---------|-----------------------------------|
| 8343-01 | Driver/ Operator, Crane, Grade R3 |
| 8343-02 | Operator, Crane |
| 8343-03 | Operator, Hoist |
| 8343-04 | Operator, Winch |

UNIT GROUP 8344 LIFTING TRUCK OPERATORS

Lifting Truck Operators drive, operate and monitor lifting trucks or similar vehicles to transport, lift and stack pallets with goods.

Tasks include:

- a) operating and monitoring lifting trucks and similar equipment to load and unload, transport, lift and stack goods and pallets in terminals, harbours, warehouses, factories and other establishments;
- b) positioning lifting devices under, over, or around loaded pallets, skids and boxes, and securing materials or products to be transported to fixed areas;
- c) inspecting equipment to identify wear and damage;
- d) performing routine maintenance on vehicles and equipment; and
- e) keeping records of work undertaken and breakdowns of vehicles.

Examples of the occupations classified here: *(refer to index; unit group 8344)*

| | |
|---------|----------------------------|
| 8344-01 | Operator, Forklift Truck |
| 8344-02 | Operator, Industrial Truck |
| 8344-03 | Operator, Lifting Truck |
| 8344-04 | Forklift Truck Driver |

MAJOR GROUP 835 SHIPS' DECK CREWS AND RELATED WORKERS

Ships' Deck Crews and Related Workers carry out deck duties on board ships and similar duties on board other water-borne craft.

UNIT GROUP 8351 SHIPS' DECK CREWS AND RELATED WORKERS

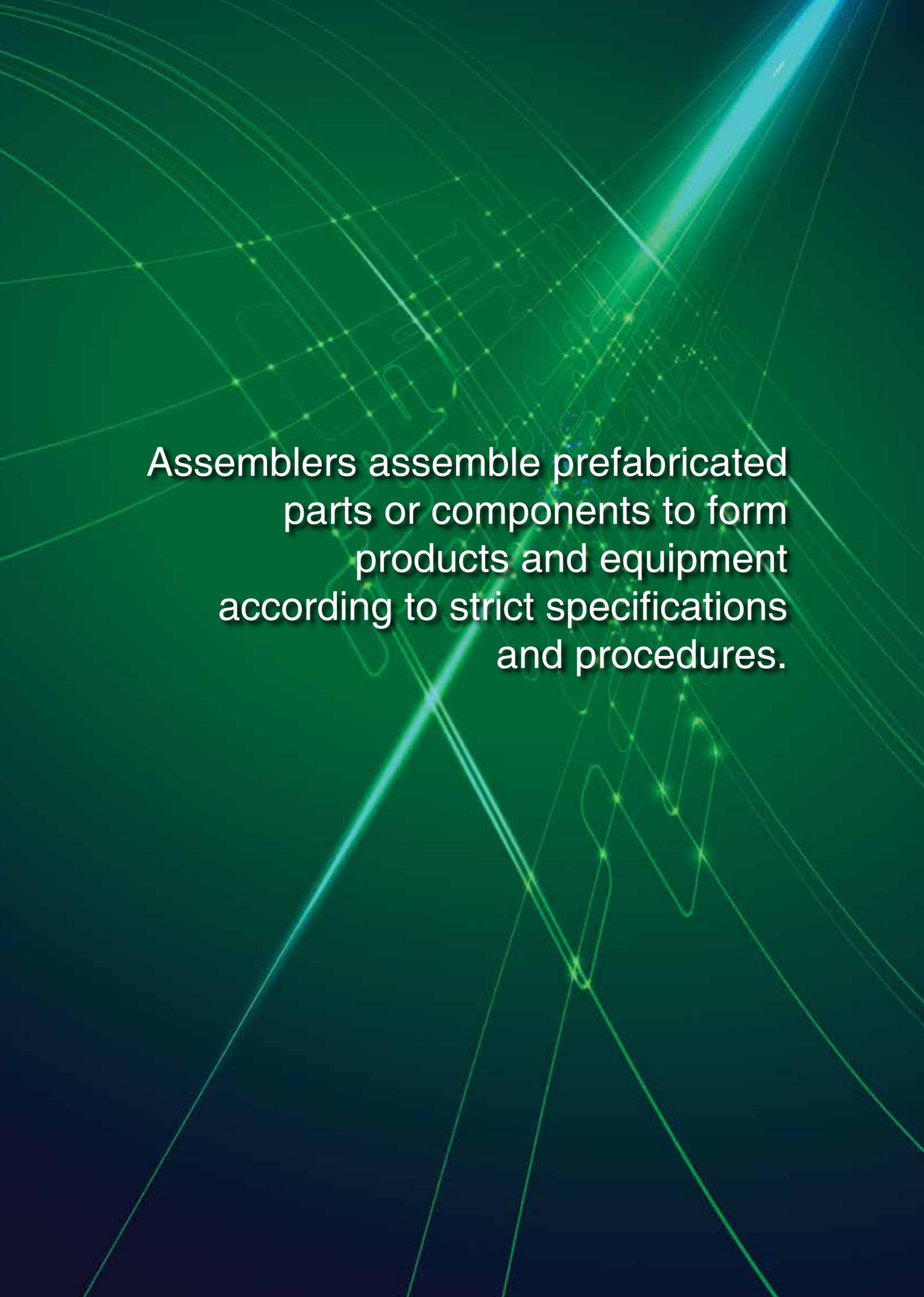
Ships' Deck Crews and Related Workers carry out deck duties on board ships and similar duties on board other water-borne craft.

Tasks include:

- a) standing look-out watches at sea and when entering or leaving harbours or other narrow waters;
- b) steering the ship according to instructions;
- c) handling ropes and wires, and operating mooring equipment;
- d) maintaining and operating ship equipment, cargo gear, rigging, life-saving and fire-fighting appliances;
- e) performing deck and hull cleaning, scraping, painting and other maintenance duties as required; and
- f) breaking out, rigging and stowing cargo-handling gear, stationary rigging and running gear.

Examples of the occupations classified here: *(refer to index; unit group 8351)*

| | |
|---------|--------------------|
| 8351-01 | Helmsman |
| 8351-02 | Driver, Boat |
| 8351-03 | Rower, Canoe |
| 8351-04 | Ship Quartermaster |

The background is a dark green to blue gradient with a complex network of glowing green and cyan lines and dots, resembling a digital or scientific visualization. A prominent bright cyan beam of light enters from the top right corner, casting a glow across the scene. The overall aesthetic is futuristic and high-tech.

Assemblers assemble prefabricated parts or components to form products and equipment according to strict specifications and procedures.



9

ELEMENTARY OCCUPATIONS



91 CLEANERS AND HELPERS**911 DOMESTIC, HOTEL AND OFFICE CLEANERS AND HELPERS**

- 9111 Domestic Cleaners and Helpers
- 9112 Cleaners and Helpers in Offices, Hotels and Other Establishments

912 VEHICLE, WINDOW, LAUNDRY AND OTHER HAND CLEANING WORKERS

- 9121 Hand Launderers and Ironers
- 9122 Vehicle Cleaners
- 9123 Surface and Window Cleaners
- 9129 Other Cleaning Workers not Elsewhere Classified

92 AGRICULTURAL, FORESTRY, FARMING AND FISHERY LABOURERS**921 AGRICULTURAL, FORESTRY, FARMING AND FISHERY LABOURERS**

- 9211 Crop Farm Labourers
- 9212 Livestock Farm Labourers
- 9213 Mixed Crop and Livestock Farm Labourers
- 9214 Garden and Horticultural Labourers
- 9215 Forestry Labourers
- 9216 Fishery and Aquaculture Labourers
- 9219 Agricultural, Forestry, Farming, and Fishery Labourers Not Elsewhere Classified

93 MINING, CONSTRUCTION, MANUFACTURING AND TRANSPORT LABOURERS**931 MINING AND CONSTRUCTION LABOURERS**

- 9311 Mining and Quarrying Labourers
- 9312 Civil Engineering Labourers
- 9313 Building Construction Labourers

932 MANUFACTURING LABOURERS

- 9321 Hand Packers
- 9329 Manufacturing Labourers Not Elsewhere Classified



933 TRANSPORT AND STORAGE LABOURERS

- 9331 Hand or Pedal Vehicle Drivers
- 9332 Animal-Drawn Machinery and Vehicle Drivers
- 9333 Transport and Storage Labourers
- 9334 Shelf Fillers

94 FOOD PREPARATION ASSISTANTS

941 FOOD PREPARATION ASSISTANTS

- 9411 Fast Food Preparers
- 9412 Kitchen Helpers

95 STREET AND RELATED SALES AND SERVICE WORKERS

951 STREET AND RELATED SERVICE WORKERS

- 9511 Street and Related Service Workers

952 STREET VENDORS (EXCLUDING FOOD)

- 9521 Street Vendors (Excluding Food)

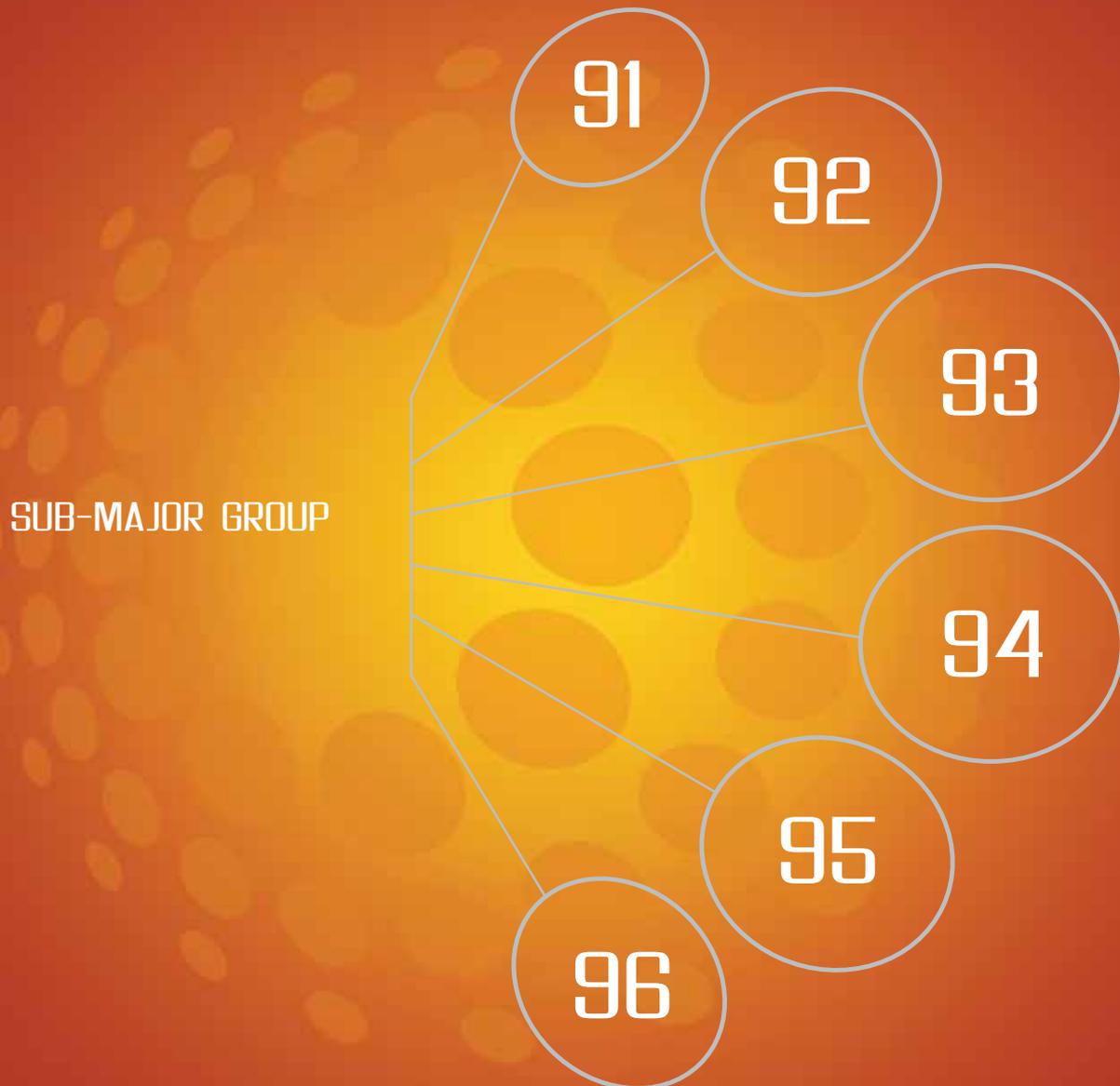
96 REFUSE WORKERS AND OTHER ELEMENTARY WORKERS

961 REFUSE COLLECTORS

- 9611 Refuse Collectors
- 9612 Refuse and Recyclable Waste Sorters
- 9613 Sweepers and Related Labourers

962 OTHER ELEMENTARY WORKERS

- 9621 Messengers, Package Deliverers and Luggage Porters
- 9622 Odd-Job Persons
- 9623 Meter Readers and Vending-Machine Collectors
- 9624 Water and Firewood Collectors
- 9625 Attendants
- 9629 Elementary Workers Not Elsewhere Classified



91. CLEANERS AND HELPERS

92. AGRICULTURAL, FORESTRY, FARMING AND FISHERY LABOURERS

93. MINING, CONSTRUCTION, MANUFACTURING AND TRANSPORT LABOURERS

94. FOOD PREPARATION ASSISTANTS

95. STREET AND RELATED SALES AND SERVICE WORKERS

96. REFUSE WORKERS AND OTHER ELEMENTARY WORKERS

MAJOR GROUP 9 ELEMENTARY OCCUPATIONS

Description

Perform simple, routine and non-systematic tasks which mainly require the use of handheld tools or with the assistance of simple machines, and in some cases considerable physical effort

Skill Level

Most occupations in this major group require skills at the first level

SUB-MAJOR 91 CLEANERS AND HELPERS

Cleaners and Helpers perform various tasks in private households, hotels, offices, hospitals and other establishments, as well as in aircraft, train coaches, trams and similar vehicles, in order to keep the interiors and fixtures clean, or launder and press garments by hand.

MINOR GROUP 911 DOMESTIC, HOTEL AND OFFICE CLEANERS AND HELPERS

Domestic, Hotel and Office Cleaners and Helpers sweep, vacuum, clean, wash, polish, take care of household linen, purchase household supplies; perform various tasks in order to keep clean and tidy the interiors and fixtures of hotels, offices and other establishments, as well as aircraft, trains, buses and similar vehicles.

UNIT GROUP 9111 DOMESTIC CLEANERS AND HELPERS

Domestic Cleaners and Helpers sweep, vacuum clean, wash, polish, take care of household linen, purchase household supplies, prepare food, serve meals and perform various other domestic duties.

Tasks include:

- a) sweeping, vacuum cleaning, polishing and washing floors and furniture, or washing windows and other fixtures;
- b) washing, ironing and cleaning linen and other textiles;
- c) washing dishes;
- d) preparing, cooking and serving meals and refreshments;
- e) purchasing food and other various household supplies;
- f) cleaning, disinfecting and deodorising kitchens, bathrooms and toilets;
- g) cleaning windows and other glass surfaces; and
- h) performing related tasks.

Examples of the occupations classified here: (*refer to index; unit group 9111*)

| | |
|---------|------------------|
| 9111-01 | Amah |
| 9111-02 | Domestic Servant |
| 9111-03 | Housemaid |
| 9111-04 | Helper, Domestic |

UNIT GROUP 9112 CLEANERS AND HELPERS IN OFFICES, HOTELS AND OTHER ESTABLISHMENTS

Cleaners and Helpers in Offices, Hotels and Other Establishments perform various cleaning tasks in order to keep clean and tidy the interiors and fixtures of hotels, offices and other establishments, as well as aircraft, trains, buses and similar vehicles.

Tasks include:

- sweeping or vacuum-cleaning, washing and polishing floors, furniture and other fixtures in buildings, coaches, buses, trams, trains and aircraft;
- making beds, cleaning bathrooms, supplying towels, soap and related items;
- cleaning kitchens and generally helping with kitchen work, including dishwashing;
- picking up rubbish, emptying dustbins and taking rubbish to disposal areas for removal; and
- performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 9112)*

| | |
|---------|-----------------|
| 9112-01 | Chambermaid |
| 9112-02 | Cleaner, Hotel |
| 9112-03 | Cleaner, Office |
| 9112-04 | Washer |

MINOR GROUP 912 VEHICLE, WINDOW, LAUNDRY AND OTHER HAND CLEANING WORKERS

Vehicle, Window, Laundry and Other Hand Cleaning Workers clean windows, showcases or other surfaces of buildings or vehicles and iron, launder or dry-clean linen and other textiles by hand.

UNIT GROUP 9121 HAND LAUNDERERS AND IRONERS

Hand Launderers and Ironers iron or dry-clean linen and other textiles by hand.

Tasks include:

- laundering and ironing linen, clothing, fabrics and similar articles by hand in a laundry or other establishment;
- cleaning clothes, fabrics, leather goods and similar articles by hand and with chemical solutions in a dry-cleaning or other establishment;
- replacing buttons and making minor repairs;
- placing articles on shelves and hanging articles for delivery and collection; and
- performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 9121)*

| | |
|---------|----------------------------------|
| 9121-01 | Worker, Laundry and Dry Cleaning |
| 9121-02 | Ironer |
| 9121-03 | Dry-Cleaner |
| 9121-04 | Presser |

UNIT GROUP 9122 VEHICLE CLEANERS

Vehicle Cleaners wash, clean and polish vehicles.

Tasks include:

- cleaning, washing and polishing cars and other vehicles by hand or machine;
- vacuuming vehicle interiors and dry-cleaning carpets and upholstery;
- applying cleaning agents to remove stains from vehicle interiors;
- washing tyres and wheel arches and blackening tyres;

- e) washing and polishing vehicle windows;
- f) emptying and cleaning compartments in vehicles; and
- g) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 9122)*

| | |
|---------|-------------------------|
| 9122-01 | Cleaner, Vehicles |
| 9122-02 | Washer, Vehicles (Hand) |
| 9122-03 | Washer, Auto-polish |
| 9122-04 | Worker, Auto-sanding |

UNIT GROUP 9123 SURFACE AND WINDOW CLEANERS

Surface and Window cleaners wash and polish windows, other glass or non-glass surfaces.

Tasks include:

- a) washing windows or other glass or non-glass surfaces with water or various solutions, drying and polishing them;
- b) using ladders, swinging scaffolds, bosun's chairs, hydraulic bucket trucks and other equipment to reach and clean windows in multi-storey buildings;
- c) selecting appropriate cleaning or polishing methods; and
- d) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 9123)*

| | |
|---------|-----------------------|
| 9123-01 | Cleaner, Window |
| 9123-02 | Cleaner, Sliding Door |
| 9123-03 | Cleaner, Surface |

UNIT GROUP 9129 OTHER CLEANING WORKERS NOT ELSEWHERE CLASSIFIED

This unit group includes Other Cleaning Workers Not Elsewhere Classified in Minor Group 912: Vehicle, Window, Laundry and Other Hand Cleaning Workers.

Tasks include:

- a) cleaning windows, materials, walls, swimming pools, cooling towers and objects such as carpets using special equipment and cleaning chemicals;
- b) selecting and applying cleaning agents to remove stains;
- c) cleaning stone walls, metal surfaces and fascias using high pressure water cleaners and solvents;
- d) applying chemicals and high pressure cleaning methods to remove micro-organisms from water and filtration systems and using wet vacuums and other suction equipment to remove scale, accumulated dirt and other deposits from swimming pools, cooling tower components and drains; and
- e) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 9129)*

| | |
|---------|------------------------|
| 9129-01 | Worker, Toiletries |
| 9129-02 | Worker, Washing |
| 9129-03 | Cleaner, Carpet |
| 9129-04 | Cleaner, Swimming Pool |

SUB-MAJOR 92 AGRICULTURAL, FORESTRY, FARMING AND FISHERY LABOURERS

Agricultural, Forestry, Farming and Fishery Labourers and related workers perform mainly simple and routine farming, forestry, fishing, hunting or trapping tasks which require the use of simple hand-held tools and a lot of physical energy.

MINOR GROUP 921 AGRICULTURAL, FORESTRY, FARMING AND FISHERY LABOURERS

Agricultural, Forestry, Farming and Fishery Labourers and related workers perform mainly simple and routine farming, forestry, fishing, hunting or trapping tasks which require the use of simple hand-held tools and a lot of physical energy.

UNIT GROUP 9211 CROP FARM LABOURERS

Crop Farm Labourers perform simple and routine tasks in the production of crops such as fruit, nuts, grains and vegetables.

Tasks include:

- a) digging and shovelling to clean ditches or for other purposes;
- b) loading and unloading various crops and other materials;
- c) raking, pitching and stacking hay;
- d) watering and weeding;
- e) picking fruit, vegetables and various plants;
- f) helping with planting, harvesting and general farm work;
- g) carrying out some basic work on produce such as cleaning and peeling fruit; and
- h) performing related tasks.

Examples of the occupations classified here: (*refer to index; unit group 9211*)

| | |
|---------|---------------------------|
| 9211-01 | Crop Farm Labourer |
| 9211-02 | Crop Farm Labourer, Abaca |
| 9211-03 | Crop Farm Labourer, Nuts |
| 9211-04 | Crop Farm Labourer, Paddy |

UNIT GROUP 9212 LIVESTOCK FARM LABOURERS

Livestock Farm Labourers perform simple and routine tasks in the production of livestock including poultry and insects.

Tasks include:

- a) digging and shovelling to clean ditches or for other purposes;
- b) raking, pitching and stacking hay;
- c) watering and weeding;
- d) feeding, watering and cleaning animals and keeping their stockyard clean; and
- e) collecting eggs and placing them in the incubator;
- f) carrying out some basic work on the produce; and
- g) performing related tasks.

Examples of the occupations classified here: (*refer to index; unit group 9212*)

| | |
|---------|----------------------------------|
| 9212-01 | Livestock Farm Labourer |
| 9212-02 | Livestock Farm Cleaner |
| 9212-03 | Livestock Farm Labourer, Dairy |
| 9212-04 | Livestock Farm Labourer, Poultry |

UNIT GROUP 9213 MIXED CROP AND LIVESTOCK FARM LABOURERS

Mixed Crop and Livestock Farm Labourers perform simple and routine tasks in the production of crops and livestock.

Tasks include:

- a) digging and shovelling to clean ditches or for other purposes;
- b) loading and unloading various crops and other materials;
- c) raking, pitching and stacking hay;
- d) watering and weeding;
- e) picking fruit, vegetables and various plants;
- f) helping with planting, harvesting and general farm work;
- g) feeding, watering and cleaning animals and keeping their stockyard clean;
- h) carrying out some basic work on the produce; and
- i) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 9213)*

| | |
|---------|---------------|
| 9213-01 | Farm Labourer |
|---------|---------------|

UNIT GROUP 9214 GARDEN AND HORTICULTURAL LABOURERS

Garden and Horticultural Labourers perform a variety of simple gardening tasks.

Tasks include:

- a) preparing the soil and planting flowers, shrubs and trees in parks or public or private gardens;
- b) trimming and clipping around paths, flower beds and fencing using clippers and edging tools;
- c) pruning shrubs and trees to shape and promote growth using pruning tools;
- d) weeding and tending plants;
- e) spraying shrubs and trees with fertiliser or insecticide;
- f) raking, sweeping and burning leaves, grass or litter;
- g) watering the lawn and plants using a hose, watering can or fixed or portable sprinkler system; and
- h) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 9214)*

| | |
|---------|---------------------------------|
| 9214-01 | Grass Cutter |
| 9214-02 | Tree Cutter |
| 9214-03 | Worker, Playground Maintenance |
| 9214-04 | Worker, Golf Course Maintenance |

UNIT GROUP 9215 FORESTRY LABOURERS

Forestry Labourers perform a variety of simple forestry, hunting and trapping tasks.

Tasks include:

- a) digging holes for tree planting;
- b) stacking logs and timber;
- c) clearing undergrowth in forest stands;
- d) cleaning up landing areas at logging sites;

- e) digging pits and holes, setting traps, keeping watch and performing other simple tasks connected to hunting and trapping;
- f) carrying out some basic work on the produce;
- g) performing related tasks; and
- h) supervising other workers.

Examples of the occupations classified here: *(refer to index; unit group 9215)*

| | |
|---------|--------------------|
| 9215-01 | Labourer, Forestry |
| 9215-02 | Labourer, Hunting |
| 9215-03 | Labourer, Trapping |
| 9215-04 | Tree Planter |

UNIT GROUP 9216 FISHERY AND AQUACULTURE LABOURERS

Fishery and Aquaculture Labourers perform a variety of simple and routine fishery and aquaculture tasks.

Tasks include:

- a) digging the sea-bed and feeding the fish and molluscs that are being cultivated;
- b) cleaning up the ocean floor and feeding the fish and molluscs;
- c) collecting seaweed, sea mosses, clams and other molluscs;
- d) preparing nets, lines and maintaining fishing equipment and other deck equipment;
- e) handling fishing gear to catch fish and other marine life;
- f) cleaning, sorting and packing of fish and seafood in ice and salt;
- g) cleaning the surface of the deck and fish holds;
- h) carrying out some basic work on the produce; and
- i) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 9216)*

| | |
|---------|------------------------|
| 9216-01 | Labourer, Fishery |
| 9216-02 | Labourer, Aquaculture |
| 9216-03 | Pond Worker, Shellfish |
| 9216-04 | Worker, Fish Cage |

UNIT GROUP 9219 AGRICULTURAL, FORESTRY, FARMING AND FISHERY LABOURERS NOT ELSEWHERE CLASSIFIED

This unit group includes Agricultural, Forestry, Farming and Fishery Labourers Not Elsewhere Classified in Minor Group: 921: Agricultural, Forestry, Farming and Fishery Labourers.

Tasks include:

- a) tending, maintaining and cleaning sheds and cages; and
- b) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 9219)*

| | |
|---------|--------------------------|
| 9219-01 | Labourer, Crocodile Cage |
| 9219-02 | Labourer, Snake Cage |

SUB-MAJOR 93 MINING, CONSTRUCTION, MANUFACTURING AND TRANSPORT LABOURERS

Mining, Construction, Manufacturing and Transport Labourers perform simple and routine tasks in mining and quarrying, civil engineering, manufacturing and transport activities, and the storage and operation of animal-drawn vehicles and machinery.

MINOR GROUP 931 MINING AND CONSTRUCTION LABOURERS

Mining and Construction Labourers perform simple and routine tasks connected to mining, quarrying, civil engineering and building operations.

UNIT GROUP 9311 MINING AND QUARRYING LABOURERS

Mining and Quarrying Labourers perform simple and routine tasks related to mining or quarrying operations.

Tasks include:

- a) washing the sluice gauge to recover tin concentrate using the pan;
- b) maintaining or constructing underground installations;
- c) removing wood and steel supports from disused work areas in mines and quarries;
- d) loading, moving, sorting and stacking materials and supplies;
- e) digging out chalk, clay, gravel or sand from open pits;
- f) clearing various obstructions as instructed; and
- g) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 9311)*

| | |
|---------|------------------|
| 9311-01 | Bucket Labourer |
| 9311-02 | Labourer, Mining |
| 9311-03 | Worker, Tin Mine |
| 9311-04 | Dulang Washer |

UNIT GROUP 9312 CIVIL ENGINEERING LABOURERS

Civil Engineering Labourers perform a variety of routine tasks related to the building and maintenance of roads, dams and similar constructions.

Tasks include:

- a) digging and filling holes and trenches, spreading gravel and related materials and performing other tasks related to building and maintenance of railway tracks and roads;
- b) loading and unloading construction materials and equipment and transporting them to construction sites; and
- c) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 9312)*

| | |
|---------|--|
| 9312-01 | Labourer, Construction (Civil Engineering) |
| 9312-02 | Labourer, Maintenance (Dam) |
| 9312-03 | Site Worker, General |
| 9312-04 | Formwork Construction Worker |

UNIT GROUP 9313 BUILDING CONSTRUCTION LABOURERS

Building Construction Labourers perform a variety of routine tasks related to building construction and demolition work.

Tasks include:

- a) cleaning used building bricks and doing other simple work on demolition sites;
- b) clearing various obstructions as instructed;
- c) loading and unloading construction materials and equipment and transporting them around building sites; and
- d) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 9313)*

| | |
|---------|-----------------------|
| 9313-01 | Hod Carrier |
| 9313-02 | Labourer, Maintenance |
| 9313-03 | Worker, Maintenance |
| 9313-04 | Labourer, Digging |

MINOR GROUP 932 MANUFACTURING LABOURERS

Manufacturing Labourers and related workers perform simple and routine tasks related to manufacturing which require the use of simple hand-held tools and mainly need a lot of physical energy.

UNIT GROUP 9321 HAND PACKERS

Hand Packers weigh, pack and label goods and products by hand.

Tasks include:

- a) weighing, wrapping, sealing and packing goods and various products by hand;
- b) filling bottles, tins, boxes, bags and other containers with products by hand;
- c) labelling products, packages and various containers by hand; and
- d) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 9321)*

| | |
|---------|-----------------|
| 9321-01 | Packer (Hand) |
| 9321-02 | Labeller (Hand) |
| 9321-03 | Wrapper (Hand) |

UNIT GROUP 9329 MANUFACTURING LABOURERS NOT ELSEWHERE CLASSIFIED

This unit group includes Manufacturing Labourers Not Elsewhere Classified in Minor Group 932: Manufacturing Labourers.

Tasks include:

- a) carrying out various manufacturing work manually;
- b) moving, lifting, carrying, loading, unloading or washing raw materials or products in various manufacturing industries;
- c) sorting products or components manually; and
- d) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 9329)*

| | |
|---------|-------------------------|
| 9329-01 | Labourer, Manufacturing |
| 9329-02 | Sorter |
| 9329-03 | Winder, Hand Coil |
| 9329-04 | Labourer, Assembling |

MINOR GROUP 933 **TRANSPORT AND STORAGE LABOURERS**

Transport and Storage Labourers propel cycles and similar vehicles to transport passengers or goods, drive animal-drawn vehicles to transport passengers or goods, drive animal-drawn machinery, handle freight, and stock shelves and display areas in stores.

UNIT GROUP 9331 **HAND OR PEDAL VEHICLE DRIVERS**

Hand or Pedal Vehicle Drivers propel cycles and similar vehicles to transport passengers or goods.

Tasks include:

- loading or unloading goods, or assisting passengers in getting on or off a vehicle;
- moving a vehicle in the desired direction with due regard to other traffic and traffic regulations;
- inspecting vehicle components to identify wear and damage;
- maintaining vehicles, making minor repairs and installing replacement parts; and
- collecting fares or charges.

Examples of the occupations classified here: *(refer to index; unit group 9331)*

| | |
|---------|----------------------|
| 9331-01 | Rickshaw Puller |
| 9331-02 | Pedal Vehicle Driver |

UNIT GROUP 9332 **ANIMAL-DRAWN MACHINERY AND VEHICLE DRIVERS**

Animal-Drawn Machinery and Vehicle Drivers drive animal-drawn vehicles to transport passengers or goods usually in connection with farming.

Tasks include:

- harnessing animals and hitching them to vehicles or machinery;
- loading or unloading goods, or assisting passengers in getting on or off a vehicle;
- driving animals in the desired direction with due regard to other traffic and traffic regulations;
- collecting fares or charges;
- driving animals to haul wagons in mines or quarries;
- driving animals hitched to farm or other machinery;
- driving working elephants;
- maintaining vehicles or machinery, making minor repairs and installing replacement parts; and
- performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 9332)*

| | |
|---------|------------------------------|
| 9332-01 | Driver, Animal-Drawn Vehicle |
| 9332-02 | Driver, Bullock Cart |
| 9332-03 | Driver, Animal Train |
| 9332-04 | Mahout |

UNIT GROUP 9333 TRANSPORT AND STORAGE LABOURERS

Transport and Storage Labourers carry out tasks such as packing, carrying, loading and unloading furniture and other household items, or loading and unloading ship and aircraft cargo and other freight, or carrying and stacking goods in various warehouses.

Tasks include:

- a) packing office or household furniture, machines, appliances and related goods to be transported from one place to another;
- b) conveying materials from or around the work area in an industrial establishment;
- c) assisting in tying down loads and covering them with tarpaulin;
- d) carrying goods to be loaded on or unloaded from vans, trucks, wagons, ships or aircraft;
- e) carrying and stacking goods in warehouses and similar establishments;
- f) operating an electric powered forklift to transport goods in the warehouse;
- g) loading goods into and unloading from the trailer;
- h) ordering and replacing goods taken, stock, entering data and checking products to be shipped against shipping orders;
- i) taking charge of regular maintenance of forklift; and
- j) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 9333)*

| | |
|---------|------------------|
| 9333-01 | Freight Worker |
| 9333-02 | Docker |
| 9333-03 | Worker, Shipyard |
| 9333-04 | Stevedore |

UNIT GROUP 9334 SHELF FILLERS

Shelf Fillers stock shelves and display areas and keep stock clean and in order in supermarkets and other retail and wholesale shops.

Tasks include:

- a) placing goods neatly in bins and on racks, and stacking bulky goods on the floor;
- b) filling shelves with goods ensuring goods with the earliest use-by dates are at the front of shelves;
- c) removing goods with past due use-by dates;
- d) maintaining shelf order by removing stock belonging in a different location;
- e) noting goods that have been sold and collecting goods needed from the stockroom;
- f) obtaining articles for customers from the shelf or stockroom;
- g) directing customers to location of articles sought;
- h) receiving, opening, unpacking and inspecting for damage merchandise from manufacturers or distributors; and
- i) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 9334)*

| | |
|---------|---------------|
| 9334-01 | Shelf Filler |
| 9334-02 | Stock Filler |
| 9334-03 | Stock Handler |

SUB-MAJOR 94 FOOD PREPARATION ASSISTANTS

Food Preparation Assistants perform a variety of food and beverage preparation duties, clean the kitchen and wash crockery.

MINOR GROUP 941 FOOD PREPARATION ASSISTANTS

Food Preparation Assistants perform a variety of food and beverage preparation duties, clean the kitchen and wash crockery.

UNIT GROUP 9411 FAST FOOD PREPARERS

Fast Food Preparers prepare and cook foods and beverages that involve simple preparation processes and a small number of ingredients. They may take orders from customers and serve at counters or tables.

Tasks include:

- a) preparing simple or pre-prepared foods and beverages such as sandwiches, burgers, pizzas, salads and coffee;
- b) washing, cutting, weighing and mixing foods for cooking;
- c) operating single-process cooking equipment such as grills, deep-fat fryers or griddles;
- d) cooking pre-prepared food;
- e) cleaning the food preparation area, surfaces and cooking utensils;
- f) ordering and taking delivery of fast food ingredients;
- g) maintaining standards of sanitation, health and safety in the workplace; and
- h) ensuring that food prepared meets the requirements for quality and quantity.

Examples of the occupations classified here: (*refer to index; unit group 9411*)

| | |
|---------|--------------------|
| 9411-01 | Fast Food Preparer |
| 9411-02 | Fast Food Cook |
| 9411-03 | Short Order Cook |

UNIT GROUP 9412 KITCHEN HELPERS

Kitchen Helpers clean tables and kitchen areas, wash dishes, prepare ingredients, and perform various duties to assist cooks and chefs to prepare and serve food and beverages.

Tasks include:

- a) cleaning the kitchen, food preparation areas and food serving counters;
- b) assisting cooks and chefs in food preparation by washing, peeling, hammering, cutting, weighing and mixing ingredients;
- c) assembling dishes for serving;
- d) opening packages and storing raw materials in refrigerators, cupboards or other storage areas;
- e) washing dishes and kitchen utensils, and keeping them;
- f) preparing, cooking, filtering and heating simple food;
- g) scraping food from dirty dishes and washing them by hand or placing them in racks or on the conveyor to the dishwashing machine; and
- h) performing related tasks.

Examples of the occupations classified here: (*refer to index; unit group 9412*)

| | |
|---------|-------------------|
| 9412-01 | Kitchen Helper |
| 9412-02 | Hand Dish Washer |
| 9412-03 | Kitchen Assistant |
| 9412-04 | Kitchen Porter |

SUB-MAJOR 95 STREET AND RELATED SALES AND SERVICE WORKERS

Street and Related Sales and Service Workers prepare goods (not including fast food) for sale and provide various services on the street and in other public places such as stations.

MINOR GROUP 951 STREET AND RELATED SERVICE WORKERS

Street and Related Service Workers provide a variety of services on the street and in other public places including cleaning shoes, washing car windows, looking after property and provide other on-the-spot on the street.

UNIT GROUP 9511 STREET AND RELATED SERVICE WORKERS

Street and Related Service Workers provide a variety of services on the street and in other public places including cleaning shoes, washing car windows, handing out leaflets, looking after property and provide other on-the-spot on the street.

Tasks include:

- a) selling goods;
- b) ordering goods;
- c) obtaining the materials necessary to perform services;
- d) approaching people on the street to offer services;
- e) cleaning and polishing shoes;
- f) cleaning and polishing the car windows;
- g) helping drivers to find parking and making sure the car is not damaged during the absence of the driver;
- h) handing out leaflets and free newspapers;
- i) receiving immediate payment; and
- j) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 9511)*

| | |
|---------|-------------------|
| 9511-01 | Street Car Washer |
| 9511-02 | Errand boy |
| 9511-03 | Shoe-Polisher |
| 9511-04 | Car Window Washer |

MINOR GROUP 952 STREET VENDORS (EXCLUDING FOOD)

Street Vendors (Excluding Food) sell usually a limited range of goods or provide services on streets and public places.

UNIT GROUP 9521 STREET VENDORS (EXCLUDING FOOD)

Street Vendors (Excluding Food) sell usually a limited range of goods or provide services from barrows or kiosks on streets and public places.

Tasks include:

- a) setting up and displaying merchandise at public places or stands;
- b) ordering or purchasing supplies and storing stocks in barrows or stands;
- c) delivering merchandise, serving customers, collecting payment and giving change; and
- d) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 9521)*

| | |
|---------|------------------|
| 9521-01 | Newspaper Vendor |
| 9521-02 | Pedlar |
| 9521-03 | Hawker |

SUB-MAJOR 96 **REFUSE WORKERS AND OTHER ELEMENTARY WORKERS**

Refuse Workers and Other Elementary Workers collect refuse from buildings, yards, streets and other public places or keep streets and other public places clean or perform odd jobs for households or establishments.

MINOR GROUP 961 **REFUSE COLLECTORS**

Refuse Collectors collect, process and recycle items from buildings, yards, streets and other public places, or keep streets and other public places clean.

UNIT GROUP 9611 **REFUSE COLLECTORS**

Refuse Collectors collect and remove refuse and items for recycling from buildings, yards, streets and other public places.

Tasks include:

- a) driving or riding in refuse trucks;
- b) collecting refuse from residential buildings, commercial and industrial establishments;
- c) loading refuse into bins or refuse trucks;
- d) unloading the refuse truck;
- e) collecting stool containers from private residences and other buildings; and
- f) performing related tasks.

Examples of the occupations classified here: (*refer to index; unit group 9611*)

| | |
|---------|-------------------------|
| 9611-01 | Worker, Refuse Disposal |
| 9611-02 | Scrap Handler |
| 9611-03 | Collector, Rubbish |
| 9611-04 | Collector, Recycling |

UNIT GROUP 9612 **REFUSE AND RECYCLABLE WASTE SORTERS**

Refuse and Recyclable Waste Sorters identify, collect and sort discarded items that are suitable for recycling at disposal sites and recycling enterprises or in buildings, streets and other public places.

Tasks include:

- a) collecting items for recycling from domestic, commercial and industrial premises or from public places such as streets;
- b) sorting paper, glass, plastic, aluminium or other recycling materials by type;
- c) placing these items in designated compartments;
- d) identifying and setting aside items of furniture, equipment, machinery or components that are suitable for repair or re-use;
- e) selling recyclable or reusable materials; and
- f) performing related tasks.

Examples of the occupations classified here: (*refer to index; unit group 9612*)

| | |
|---------|------------------|
| 9612-01 | Rubbish Sorter |
| 9612-02 | Recycling Worker |
| 9612-03 | Scrap Merchant |
| 9612-04 | Refuse Sorter |

UNIT GROUP 9613 SWEEPERS AND RELATED LABOURERS

Sweepers and Related Labourers sweep and clean streets, parks, airports, stations and other public places.

Tasks include:

- a) sweeping streets, parks, airports, stations and similar public places;
- b) operating a mechanical suction sweeper for cleaning roads;
- c) beating dust out of carpets by using a carpet-beater;
- d) cleaning up rubbish and leaves from streets and parks;
- e) cleaning kindergarten grounds; and
- f) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 9613)*

| | |
|---------|-------------------|
| 9613-01 | Sweeper, Road |
| 9613-02 | Sweeper, Park |
| 9613-03 | Sweeper, Floor |
| 9613-04 | Labourer, Odd-Job |

MINOR GROUP 962 OTHER ELEMENTARY WORKERS

Other Elementary Workers include workers who deliver and carry messages and packages, collect money from vending machines, read meters, carry water and collect firewood, collect and issue tickets for parking or events, work as attendants and perform various other elementary work.

UNIT GROUP 9621 MESSENGERS, PACKAGE DELIVERERS AND LUGGAGE PORTERS

Messengers, Package Deliverers and Luggage Porters carry and deliver messages, packages and other items within an establishment or between establishments, to households and elsewhere, or carry luggage especially at hotels, stations and airports.

Tasks include:

- a) assisting the smooth running of the office daily by ensuring the movement of files, delivery and registration of letters, memos and other documents and making photocopies of letters, memos and documents;
- b) delivering messages, packages and other items within an establishment or between establishments, or elsewhere;
- c) performing the duties of a post-runner;
- d) delivering various goods to and from enterprises, shops, households and other places;
- e) carrying and delivering luggage at stations, airports and elsewhere;
- f) collecting and delivering files, messages, documents and other items within or on behalf of an office, industrial establishment or business;
- g) putting up posters or displaying posters and banners in prominent places to advertise entertainment, political events or product; and
- h) providing services to Members of Parliament during parliamentary sittings, distributing letters, brochures and notes as well as monitoring the safety and discipline of MPs and visitors in the house as well as helping to organise books / pamphlets and the Order Paper before the sitting commences; and
- i) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 9621)*

| | |
|---------|------------------------------------|
| 9621-01 | General Office Assistant, Grade N1 |
| 9621-02 | Sergeant-at-arms, Grade N11 |
| 9621-07 | Messenger, Courier |
| 9621-08 | Porter, Luggage |

UNIT GROUP 9622 ODD-JOB PERSONS

Odd-Job Persons clean, paint and maintain buildings, grounds and facilities, and undertake simple repairs.

Tasks include:

- a) maintaining the cleanliness of the area / office building, planting and tending trees, fertilising, pruning trees, applying pesticide to grass and do arranging potted plants for interior decoration;
- b) repairing broken windows, screens, doors, fences, barbecues, picnic tables, shelves, cupboards and other items;
- c) replacing defective items such as light bulbs;
- d) repairing and painting interior and exterior surfaces such as walls, ceilings and fences;
- e) adjusting doors and windows;
- f) replacing tap washers;
- g) putting up handrails and grab rails;
- h) unloading coal or wood and putting it into cellars of private households or establishments; and
- i) performing odd jobs; and
- j) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 9622)*

| | |
|---------|--------------------------------------|
| 9622-01 | General Worker, Grade R1 |
| 9622-02 | Specialised General Worker, Grade R3 |
| 9622-04 | Odd-Job Person |
| 9622-05 | General Worker |

UNIT GROUP 9623 METER READERS AND VENDING-MACHINE COLLECTORS

Meter Readers and Vending-Machine Collectors fill stocks in vending machines and collect money from the machines or from parking meters and other coin-boxes, or read electricity, gas or water meters.

Tasks include:

- a) filling storage spaces of vending machines and collecting money from their containers;
- b) collecting money from parking meters and similar coin-boxes;
- c) reading electricity, gas or water meters and recording their consumption; and
- d) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 9623)*

| | |
|---------|----------------------------------|
| 9623-01 | Meter Reader |
| 9623-02 | Money Collector, Vending Machine |

UNIT GROUP 9624 WATER AND FIREWOOD COLLECTORS

Water and Firewood Collectors collect water and wood used for cooking, heating, cleaning and others.

Tasks include:

- a) cutting and collecting wood from the forest for sale or as fuel or for own consumption;
- b) collecting water in leather bags, buckets or other containers from rivers, ponds or wells and delivering the water to work sites, the houses of clients or to own household for cleaning, cooking and other uses; and
- c) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 9624)*

| | |
|---------|--------------------|
| 9624-01 | Firewood Collector |
| 9624-02 | Water Carrier |

UNIT GROUP 9625 ATTENDANTS

Attendants are primarily concerned with the provision of services in offices, industrial or business, recreational and related establishments.

Tasks include:

- a) attending to patients' needs and maintaining ward cleanliness in hospitals and related establishments;
- b) cleaning laboratory equipment;
- c) operating passenger or goods lift in buildings;
- d) attending to the needs of persons engaged in sports;
- e) collecting parking fees, issuing ticket stubs, directing customers to parking spaces and parking cars;
- f) collecting tickets and admitting visitors to amusement parks and rides, assisting visitors to get on and off rides, and securing and releasing safety belts and bars;
- g) assigning bowling alleys to customers, issuing score sheets, renting out bowling shoes and collecting fees;
- h) scheduling the use of golf courses, tennis courts, fitness clubs and other recreational facilities, collecting fees from players and selling or renting out sports equipment;
- i) cleaning and keeping lavatories in buildings such as offices, theatres, restaurants and other establishments in neat and orderly condition; and
- j) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 9625)*

| | |
|---------|----------------------------|
| 9625-01 | Health Assistant, Grade U3 |
| 9625-02 | Attendant |
| 9625-03 | Attendant, Laboratory |
| 9625-04 | Attendant, Hospital |

UNIT GROUP 9629 ELEMENTARY WORKERS NOT ELSEWHERE CLASSIFIED

This unit group includes Elementary Workers Not Elsewhere Classified in Minor Group 962: Other Elementary Workers.

Tasks include:

- a) doing general work;
- b) ensuring data on landing and supervision of landing jetty is well maintained and monitored; and
- c) performing related tasks.

Examples of the occupations classified here: *(refer to index; unit group 9629)*

| | |
|---------|----------------------------|
| 9629-01 | Jetty Supervisor, Grade N3 |
| 9629-02 | Unskilled Labourer |
| 9629-03 | Worker, Inflatable |



0

ARMED FORCES



0 ARMED FORCES



0

MAJOR GROUP
SUB-MAJOR GROUP
MINOR GROUP
UNIT GROUP
SMALL UNIT GROUP



01 MALAYSIAN ARMY (MA)

011 PROFESSIONAL DUTY OFFICERS (MA)

0111 Professional Duty Officers (MA)

012 GENERAL DUTY OFFICERS (MA)

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0221 Personnel of Other Ranks (RMN)

03 ROYAL MALAYSIAN AIR FORCE (RMAF)

031 GENERAL DUTY OFFICERS (RMAF)

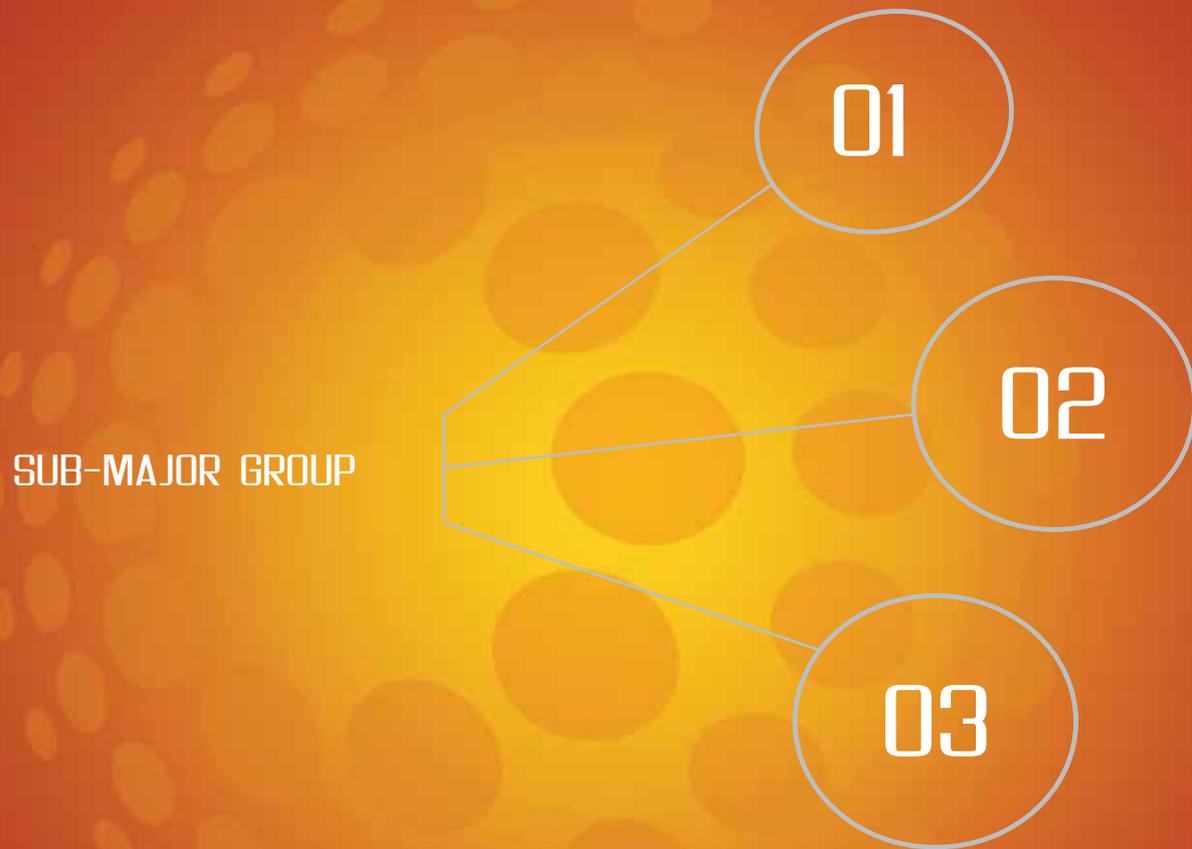
0311 General Duty Officers (RMAF)

032 PERSONNEL OF OTHER RANKS (RMAF)

0321 Personnel of Other Ranks (RMAF)

0

ARMED FORCES



- 01. MALAYSIAN ARMY (MA)
- 02. ROYAL MALAYSIAN NAVY (RMN)
- 03. ROYAL MALAYSIAN AIR FORCE (RMAF)

Description

The Malaysian Armed Forces (MAF) is divided into three branches, namely the Malaysian Army (MA), Royal Malaysian Navy (RMN) and Royal Malaysian Air Force (RMAF). The main role of the MAF is to defend the sovereignty and territorial integrity of the country against external threats whereas its secondary role is to assist the public authorities in restoring and maintaining public order, enforcing maritime law, defending against internal threats, assisting in disaster relief and national development operations as well as providing support in peacekeeping efforts under the banner of the United Nations (UN).

The MAF service scheme is divided into commissioned officers and other ranks. MAF officers are commissioned by His Majesty the Yang di-Pertuan Agong after undergoing basic military training. Personnel of other ranks also undergo basic military training before entering the service. All serving military personnel are expected to be highly disciplined and subject to the Armed Forces Act 1972. However, general workers who serve under the Ministry of Defence of Malaysia and the military reserve force are not classified as military personnel.

Skill Level

Reference to skill level is not used in defining the scope of this major group.

SUB MAJOR 01 MALAYSIAN ARMY (MA)

The Malaysian Army (MA) is a branch of the MAF. The primary role of the MA is to defend the land area and strategic interests of the country against external threats and to ensure that the forces remain vigilant and ready to protect the sovereignty and stability of the country. As a secondary role, the MA assists the police and public authorities in maintaining public order and conducting anti-terrorism operations. In addition, the MA assists the public authorities in disaster relief and national development operations.

MINOR GROUP 011 PROFESSIONAL DUTY OFFICERS (MA)

Professional Duty Officers (MA) means individuals who perform support functions such as medical officers, dental officers and pharmacy officers.

UNIT GROUP 0111 PROFESSIONAL DUTY OFFICERS (MA)

Professional Duty Officers (MA) comprise medical officers, dental officers and pharmacy officers, classified as a combat support group, which provides medical assistance to front-line combatants in wartime. However, in peacetime, this group provides medical services, in order of priority, to the Malaysian Armed Forces covering military personnel, their families, ex-military personnel and civilians in need of their services. In addition, professional duty officers are actively involved in community projects in the rural areas.

Tasks include:

- a) managing and administering Armed Forces Clinics and Armed Forces Hospitals;

- b) providing treatment to military personnel, their families, ex-military personnel and civilians;
- c) providing care to rural residents during community projects; and
- d) participating in disaster relief operations and humanitarian missions under the banner of the United Nations (UN)..

Occupations classified here: *(refer to index; unit group 0111)*

| | |
|---------|------------------|
| 0111-01 | Medical Officer |
| 0111-01 | Dental Officer |
| 0111-02 | Pharmacy Officer |

MINOR GROUP 012 GENERAL DUTY OFFICERS (MA)

General Duty Officers (MA) are individuals who perform the main military and management functions.

UNIT GROUP 0121 GENERAL DUTY OFFICERS (MA)

General Duty Officers (MA) have the leadership role in combat groups, combat support groups and service support groups. The combat group consists of troops in the forefront of battle during wartime. The combat support group provides assistance to the combat group, while the service support group provides logistical support to all the groups.

Tasks include:

- a) planning operational assignments at home and abroad;
- b) managing logistics and asset requirements for national defence;
- c) developing training systems and human resources in order to integrate man and technology;
- d) ensuring that the MA personnel stand ready to face any threats from enemies of the state;
- e) ensuring that all high-tech assets of the MA are well maintained and can be deployed at any time;
- f) training subordinate personnel on warfare strategies and knowledge;
- g) planning and assisting the public authorities in maintaining public order; and
- h) planning and implementing efforts to gather, evaluate and disseminate tactical intelligence pertaining to national defence.

Occupations classified here: *(refer to index; unit group 0121)*

| | |
|---------|--|
| 0121-01 | Royal Malay Regiment Officer |
| 0121-02 | Royal Ranger Regiment Officer |
| 0121-03 | Royal Armoured Corps Officer |
| 0121-04 | Royal Signals Regiment Officer |
| 0121-05 | Royal Engineer Regiment Officer |
| 0121-06 | Royal Artillery Regiment Officer |
| 0121-07 | General Services Corps Officer |
| 0121-08 | Royal Medical Corps Officer |
| 0121-09 | Royal Military Police Corps Officer |
| 0121-10 | Royal Intelligence Corps Officer |
| 0121-11 | Royal Logistics Corps Officer |
| 0121-12 | Royal Ordnance Corps Officer |
| 0121-13 | Royal Electrical and Mechanical Engineer Corps Officer |
| 0121-14 | Armed Forces Religious Corps Officer |
| 0121-15 | Territorial Army Regiment Officer |
| 0121-16 | Border Regiment Officer |

MINOR GROUP 013 PERSONNEL OF OTHER RANKS (MA)

Personnel of Other Ranks (MA) form the backbone of the MA. The rank classification of personnel of other ranks comprises recruit, private, lance corporal, corporal, sergeant, staff sergeant, warrant officer II and warrant officer I.

UNIT GROUP 0131 PERSONNEL OF OTHER RANKS (MA)

Personnel of Other Ranks (MA) assist superiors in ensuring that the mission they have been assigned is successfully executed. In addition, the performance of duties depends on the speciality of the corps/regiment to which they belong.

Tasks include:

- a) carrying out the responsibilities planned by superior officers in all aspects of national defence;
- b) updating knowledge of recent wars;
- c) being ready to be deployed to defend the country against enemies of the state;
- d) ensuring that all MA assets are well maintained and can be deployed at any time;
- e) training subordinate personnel in warfare strategies and knowledge;
- f) assisting the public authorities in maintaining public order; and
- g) assisting in efforts to gather, evaluate and disseminate tactical intelligence pertaining to national defence.

Occupations classified here: *(refer to index; unit group 0131)*

| | |
|---------|--|
| 0131-01 | Member of Royal Malay Regiment |
| 0131-02 | Member of Royal Ranger Regiment |
| 0131-03 | Member of Royal Armoured Corps |
| 0131-04 | Member of Royal Signals Regiment |
| 0131-05 | Member of Royal Engineer Regiment |
| 0131-06 | Member of Royal Artillery Regiment |
| 0131-07 | Member of General Services Corps |
| 0131-08 | Member of Royal Medical Corps |
| 0131-09 | Member of Royal Military Police Corps |
| 0131-10 | Member of Royal Intelligence Corps |
| 0131-11 | Member of Royal Logistics Corps |
| 0131-12 | Member of Royal Ordnance Corps |
| 0131-13 | Member of Royal Electrical and Mechanical Engineer Corps |
| 0131-14 | Member of Armed Forces Religious Corps |
| 0131-15 | Member of Territorial Army Regiment |
| 0131-16 | Member of Border Regiment |

SUB MAJOR 02 ROYAL MALAYSIAN NAVY (RMN)

The **Royal Malaysian Navy (RMN)** is a branch of the Malaysian Armed Forces and the main agency responsible for maritime surveillance and defence operations of the country through surface and sub-surface warfare. In addition, the navy collaborates with maritime enforcement agencies to ensure that the country's territorial waters are closely monitored against any intrusion by foreign elements.

MINOR GROUP 021 GENERAL DUTY OFFICERS (RMN)

General Duty Officers (RMN) are individuals who perform the main military and management functions. The rank classification of general duty officers comprises cadet, midshipman, acting sub-lieutenant, sub-lieutenant, lieutenant, lieutenant commander, commander, captain, first admiral, rear admiral, vice-admiral and admiral.

UNIT GROUP 0211 GENERAL DUTY OFFICERS (RMN)

General Duty Officers (RMN) are responsible for planning, training, monitoring and supervising activities to ensure the readiness of the naval fleet in the face of surface and sub-surface threats.

Tasks include:

- a) updating knowledge on maritime warfare technology in line with the development of fleet strength;
- b) ensuring that the subordinates acquire the latest skills and knowledge on technology development of assets;
- c) ensuring that all MA assets are well maintained and can be deployed at any time;
- d) training subordinate personnel on warfare strategies and knowledge;
- e) coordinating needs to assist the public authorities in maintaining public order; and
- f) planning to enhance fleet capability to ensure a credible and relevant navy.

Occupations classified here: *(refer to index; unit group 0211)*

| | |
|---------|-------------------|
| 0211-01 | Executive Officer |
| 0211-02 | Technical Officer |
| 0211-03 | Supply Officer |

MINOR GROUP 022 PERSONNEL OF OTHER RANKS (RMN)

Personnel of Other Ranks (RMN) assist superiors in ensuring the security of the country's waters. In addition, they must ensure that the mission the naval fleet has been assigned is successfully executed. The ranking classification of personnel of other ranks comprises recruit, ordinary-COD, Junior able rate, able rate, leading rate, petty officer, chief petty officer, warrant officer II and warrant officer I.

UNIT GROUP 0221 PERSONNEL OF OTHER RANKS (RMN)

Personnel of Other Ranks (RMN) comprise sailors and administrative and management staff who provide support to the navy as a whole. All members play their roles and functions based on their area of expertise in their respective fields.

Tasks include:

- a) protecting all economic activities at sea, including exploration of oil, mineral and fishery resources;

- b) facilitating the enforcement of maritime law in the territorial waters and the EEZ in times of war and peace;
- c) helping to control strategic choke points;
- d) helping to combat pirates, intrusion of foreign elements and entry of illegal immigrants; and
- e) acquiring a deeper knowledge of hydrographic surveying/oceanography to assist in carrying out research covering all aspects of hydrography.

Occupation classified here: *(refer to index; unit group 0221)*

| | |
|---------|---|
| 0221-01 | Member of Surface Warfare |
| 0221-02 | Member of Submarine Warfare (Sonar) |
| 0221-03 | Member of Submarine Warfare (Control) |
| 0221-04 | Member of Warfare Tactical Plotters |
| 0221-05 | Member of Naval Provost |
| 0221-06 | Diver |
| 0221-07 | Member of Hydrography |
| 0221-08 | Member of Communications |
| 0221-09 | Member of Physical Trainers |
| 0221-10 | Member of Administration and Finance |
| 0221-11 | Member of Logistics Technicians |
| 0221-12 | Member of Navy Cooks |
| 0221-13 | Member of Officers' Mess Personnel |
| 0221-14 | Member of the Brass Band |
| 0221-15 | Member of Propulsion Marine Technicians |
| 0221-16 | Member of Power and Ordnance Electrical Technicians |
| 0221-17 | Member of Electrical and Radio Technicians |

SUB MAJOR 03 **ROYAL MALAYSIAN AIR FORCE (RMAF)**

The **Royal Malaysian Air Force (RMAF)** is responsible for defending the sovereignty and integrity of Malaysian airspace and interests through the effective use of air power. The overall goal of the RMAF is to provide, operate and mobilise the air force to remain ready at all times and to display air power in order to preserve and protect the interests of the country. In addition, the air force also helps the public authorities in restoring and maintaining public order, enforcing airspace law and acting against external or internal threats.

MINOR GROUP 031 GENERAL DUTY OFFICERS (RMAF)

General Duty Officers (RMAF) are individuals who perform key functions in the service of the Royal Malaysian Air Force. This group is divided into branches that take front-line combat positions during wartime such as pilot, navigator, engineer, weapon system operator and others, while the support operations consist of officers who manage the logistics and administration. The ranking of general duty officers in the RMAF comprises Second Lieutenant, RMAF (Lt M TUDM), Lieutenant, RMAF (Lt TUDM), Captain, RMAF (Kapt TUDM), Major, RMAF (Mej TUDM), Lieutenant Colonel, RMAF (Lt Kol TUDM), Colonel, RMAF (Kol TUDM), Brigadier General, RMAF (Brig Jen TUDM), Major General, RMAF (Maj Jen TUDM), Lieutenant General, RMAF (Lt Jen TUDM) and General, RMAF (Jen TUDM).

UNIT GROUP 0311 GENERAL DUTY OFFICERS (RMAF)

General Duty Officers (RMAF) are responsible for planning, training, monitoring and supervising to ensure the sovereignty and security of the country's airspace are protected from intrusion by foreign elements.

Tasks include:

- a) planning operational assignments at home and abroad;
- b) ensuring that the airspace is secure and safe from external threats;
- c) managing the logistics and assets of the Royal Malaysian Air Force;
- d) developing training systems and human resources in order to integrate man and technology;
- e) ensuring that RMAF personnel stand ready to face any threats from enemies of the state;
- f) ensuring that RMAF assets are well maintained and can be deployed at any time; and
- g) planning for and assisting the public authorities in maintaining public order.

Occupations classified here: *(refer to index; unit group 0311)*

| | |
|---------|------------------------------------|
| 0311-01 | General Duty Pilot Branch Officer |
| 0311-02 | Navigation Branch Officer |
| 0311-03 | Engineering Branch Officer |
| 0311-04 | Secretariat Branch Officer |
| 0311-05 | Material Branch Officer |
| 0311-06 | Air Traffic Control Branch Officer |
| 0311-07 | Air Defence Control Branch Officer |
| 0311-08 | Fire Brigade Branch Officer |
| 0311-09 | Flight Engineer Branch Officer |
| 0311-10 | Weapon Sensor Branch Officer |

MINOR GROUP 032 PERSONNEL OF OTHER RANKS (RMAF)

Personnel of Other Ranks (RMAF) form the backbone of the Royal Malaysian Air Force. The ranking classification of personnel of other ranks in the RMAF comprises recruit, aircraftman II, aircraftman I, senior aircraftman, corporal, sergeant, flight sergeant, warrant officer II and warrant officer I.

UNIT GROUP 0321 PERSONNEL OF OTHER RANKS (RMAF)

Personnel of Other Ranks (RMAF) consist of crew and administration and management staff to support the organisation and operations of the Royal Malaysian Air Force as a whole. All personnel play their role and functions based on their area of expertise in their respective fields.

Tasks include:

- a) helping to control the airspace for peaceful purposes while preventing its use by enemies of the state;
- b) assisting in applying pressure to deal with surface threats either on land or in the air;
- c) helping to increase strength in the air and on land involving airborne refuelling, surveillance and reconnaissance missions; and
- d) helping to carry out operations involving base defence, logistical support and base support.

Occupations classified here: *(refer to index; unit group 0321)*

| | |
|---------|---------------------------------------|
| 0321-01 | Stewardess |
| 0321-02 | Airframe Technician |
| 0321-03 | Avionics Technician |
| 0321-04 | Instrument Technician |
| 0321-05 | Weapon Technician |
| 0321-06 | Electrical Technician |
| 0321-07 | Engine Technician |
| 0321-08 | Statistical Assistant |
| 0321-09 | Aviation Support Equipment Technician |
| 0321-10 | Air Defence Technician |
| 0321-11 | Air Traffic Control Assistant |
| 0321-12 | Fire Brigade |
| 0321-13 | Administrative Assistant |
| 0321-14 | Catering Assistant |
| 0321-15 | Brass Band |
| 0321-16 | Provost |
| 0321-17 | Physical Trainer |
| 0321-18 | Logistics Technician |
| 0321-19 | Cataloguer |
| 0321-20 | Logistics System Technician |
| 0321-21 | Driver |





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Occupations According to Systematic Order

INDEX - Systematic Order

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 1 | | MANAGERS |
| 1111 | | LEGISLATORS |
| 1111-01 | 11112 | Prime Minister |
| 1111-02 | 11115 | Deputy Prime Minister |
| 1111-03 | 11112 | Minister |
| 1111-04 | 11112 | Deputy Minister |
| 1111-05 | 11111 | Member of Parliament |
| 1111-06 | 11111 | Chief Minister |
| 1111-07 | 11116 | State Exco |
| 1111-08 | 11112 | Member of the State Legislative Assembly |
| 1111-09 | New | Deputy Chief Minister |
| 1111-10 | New | Junior Minister |
| 1111-11 | New | Menteri Besar |
| 1111-12 | New | President of the Senate |
| 1111-13 | New | Deputy President of the Senate |
| 1111-14 | New | Member of the Senate |
| 1111-15 | New | Speaker of the House Representatives |
| 1111-16 | New | Deputy Speaker of the House Representatives |
| 1112 | | SENIOR GOVERNMENT OFFICIALS |
| 1112-01 | New | Keeper of the Rulers' Seal |
| 1112-02 | 11121 | Chief Secretary to the Government |
| 1112-03 | New | Director-General of Public Service |
| 1112-04 | New | Attorney General |
| 1112-05 | New | Secretary General of Treasury |
| 1112-06 | New | Auditor General |
| 1112-07 | New | Inspector-General of Police |
| 1112-08 | New | Director-General of Health |
| 1112-09 | New | Chief of Defence Force |
| 1112-10 | New | Accountant General |
| 1112-11 | New | Governor |
| 1112-12 | New | Director-General of Customs |
| 1112-13 | New | Director-General of Fire and Rescue |
| 1112-14 | 11121 | Secretary-General of Ministry |
| 1112-15 | 11121 | Director-General of Government Department |
| 1112-16 | 11121 | Director-General of Regional Government |
| 1112-17 | 11121 | Head of Government Department |
| 1112-18 | New | Chief Statistician |
| 1112-19 | 11121 | Secretary of Commission |
| 1112-20 | New | State Secretary |
| 1112-21 | 11121 | Secretary of Government, Non-Legislative |
| 1112-22 | 11121 | Deputy Secretary of Government |
| 1112-23 | New | Chief Executive Officer of Statutory Body |
| 1112-24 | New | Chief Executive of Statutory Body |
| 1112-25 | New | Director-General of Statutory Body |
| 1112-26 | New | Director of Statutory Body |
| 1112-27 | 11123 | Ambassador |
| 1112-28 | 11123 | Consul-General |
| 1112-29 | 11123 | High Commissioner of Government |
| 1112-30 | 11123 | Secretary of Embassy |
| 1112-31 | 11123 | Diplomatic Representative of Embassy |
| 1112-32 | 11113 | Mayor |
| 1112-33 | New | President of Local Authority |
| 1112-34 | New | Chairman of Local Authority |
| 1112-35 | New | President of Local Authority |
| 1112-36 | New | Chief Executive Officer of Local Authority |
| 1112-37 | New | Secretary of the Senate |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 1112-38 | New | Secretary of the House of Representatives |
| 1112-39 | New | Police Commissioner |
| 1112-40 | New | Chief Administrator Parliament |
| 1112-41 | 13244 | Postmaster General |
| 1113 | | TRADITIONAL CHIEFS AND HEADS OF VILLAGE |
| 1113-01 | 11135 | Headman, Grade NP27 |
| 1113-02 | 11131 | <i>Demang</i> |
| 1113-03 | 11131 | <i>Penggawa</i> |
| 1113-04 | 11132 | Village Head |
| 1113-05 | 11132 | <i>Tok Sidang</i> |
| 1113-06 | 11133 | Native Chief |
| 1113-07 | 11134 | <i>Tok Batin</i> |
| 1113-08 | 11134 | <i>Kapitan</i> |
| 1113-09 | 11134 | <i>Tuai Rumah</i> |
| 1113-10 | 11136 | Traditional Chief |
| 1113-11 | New | New Village Head |
| 1113-12 | New | <i>Undang</i> |
| 1113-13 | New | <i>Luak</i> |
| 1113-14 | New | <i>Perut</i> |
| 1113-15 | New | <i>Buapak</i> |
| 1113-16 | New | <i>Orang Besar Berempat</i> |
| 1113-17 | New | <i>Orang Besar Berlapan</i> |
| 1113-18 | New | <i>Orang Besar Berenam Belas</i> |
| 1113-19 | New | <i>Orang Besar Bertiga Puluh Dua</i> |
| 1114 | | SENIOR OFFICIALS OF SPECIAL-INTEREST ORGANISATIONS |
| 1114-01 | 11141 | President of Political Party |
| 1114-02 | 11142 | President of Employers' Federation |
| 1114-03 | 11143 | President of Trades Union Congress |
| 1114-04 | New | President of Congress of Union of Employees in the Public and Civil Services |
| 1114-05 | 11145 | Secretary-General, Special Interest Organisation |
| 1114-06 | 11145 | Secretary-General, Red Crescent Organisation |
| 1114-07 | 11145 | Secretary-General, Human Rights Organisation |
| 1114-08 | 11145 | Secretary-General, Humanitarian Organisation |
| 1114-09 | 11145 | Secretary-General, Red Cross Organisation |
| 1114-10 | 11145 | Secretary-General, Environmental Protection Organisation |
| 1114-11 | 11145 | Secretary-General, Wildlife Protection Organisation |
| 1114-12 | 11145 | Senior Official of Special Interest Organisation |
| 1114-13 | 11145 | Senior Official of Humanitarian Organisation |
| 1121 | | MANAGING DIRECTORS AND CHIEF EXECUTIVES |
| 1121-01 | 11201 | Chief Executive Officer |
| 1121-02 | 11201 | Chief Operating Officer |
| 1121-03 | New | Executive Director |
| 1121-04 | 11201 | Company Director |
| 1121-05 | New | Deputy Executive Director |
| 1121-06 | 11201 | Managing Director |
| 1121-07 | 11201 | Enterprise Director |
| 1121-08 | 11201 | Enterprise Chairman |
| 1121-09 | 11201 | Airport Manager |
| 1121-10 | 11201 | Harbour Manager |
| 1121-11 | 11201 | Radio and Television Manager, Broadcasting |
| 1121-12 | 11201 | Radio and Television Manager, Programme |
| 1121-13 | 11201 | Director-General of Enterprise |
| 1121-14 | 11202 | Chief Executive of Organisation |
| 1121-15 | 11202 | Director-General of Organisation |
| 1121-16 | 11202 | Managing Director of Organisation |
| 1121-17 | 11202 | Director of Organisation |
| 1121-18 | 11202 | Chairperson of Organisation |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 1121-19 | 11202 | President of Organisation |
| 1121-20 | New | Manager |
| 1121-21 | New | General Manager |
| 1121-22 | New | Chief Legal Officer |
| 1121-23 | New | Operations Manager |
| 1121-24 | New | Director |
| 1121-25 | New | Administrator |
| 1121-26 | New | President |
| 1211 | | FINANCE MANAGERS |
| 1211-01 | 12111 | Finance Manager |
| 1211-02 | 12111 | Account Manager |
| 1211-03 | 12111 | Budget Manager |
| 1211-04 | 12117 | Audit Manager |
| 1211-05 | 12117 | Audit and Risk Management Manager |
| 1211-06 | 11201 | Chief Financial Officer |
| 1211-07 | 12111 | Credit Manager |
| 1211-08 | 12112 | Insurance Manager |
| 1211-09 | 12113 | Fund Manager |
| 1211-10 | 12114 | Treasury Manager |
| 1211-11 | 12115 | Financial and Institution Manager |
| 1211-12 | 12116 | Expenditure Manager |
| 1211-13 | 12117 | Transaction Monitoring Manager |
| 1212 | | HUMAN RESOURCE MANAGERS |
| 1212-01 | 12124 | Human Resource Manager |
| 1212-02 | 12125 | Training Manager |
| 1212-03 | 12122 | Industrial Relations Manager |
| 1212-04 | 12123 | Occupational Safety and Health Manager |
| 1212-05 | New | Personnel Manager |
| 1212-06 | New | Recruitment Manager |
| 1212-07 | 14351 | Occupational Safety Manager |
| 1212-08 | New | Learning & Organisation Development Manager |
| 1212-09 | New | Compensation & Benefits Manager |
| 1212-10 | New | Talent and Organisation Performance Manager |
| 1213 | | POLICY AND PLANNING MANAGERS |
| 1213-01 | 12131 | Policy and Planning Manager |
| 1213-02 | New | Strategic Planning Manager |
| 1213-03 | New | Corporate Planning Manager |
| 1213-04 | New | Policy and Research Manager |
| 1214 | | BUSINESS SERVICES MANAGERS |
| 1214-01 | 12141 | Production Manager |
| 1214-02 | 12141 | Production and Business Operation Manager |
| 1214-03 | 12142 | Business Service Development Manager |
| 1214-04 | 12143 | Production Planner |
| 1214-05 | 12143 | Production Controller |
| 1214-06 | 12144 | Business Development Manager |
| 1214-07 | New | Compliance Manager |
| 1215 | | ADMINISTRATIVE MANAGERS |
| 1215-01 | 12151 | Administrative Manager |
| 1215-02 | New | Administrative Service Manager |
| 1219 | | BUSINESS SERVICES AND ADMINISTRATION MANAGERS NOT ELSEWHERE CLASSIFIED |
| 1219-01 | 13243 | Purchasing Manager |
| 1219-02 | 13213 | Quality Control Manager |
| 1219-03 | 13213 | Quality Assurance Manager |
| 1219-04 | 13493 | Facilities Manager |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 1219-05 | 12191 | Corporate Services Manager |
| 1221 | | SALES AND MARKETING MANAGERS |
| 1221-01 | 12211 | Sales Manager |
| 1221-02 | 12211 | Sales and Marketing Manager |
| 1221-03 | 12211 | Marketing Manager |
| 1221-04 | 12211 | Sales Promotion Manager |
| 1221-05 | 12212 | Market Research Manager |
| 1221-06 | 12212 | Product Manager |
| 1221-07 | 12212 | Brand Manager |
| 1221-08 | 12213 | Supermarket Manager |
| 1221-09 | 12213 | Shopping Centre Manager |
| 1221-10 | 12214 | Outlet Manager |
| 1222 | | ADVERTISING AND PUBLIC RELATIONS MANAGERS |
| 1222-01 | 12221 | Advertising Manager |
| 1222-02 | 12222 | General Affairs Manager |
| 1222-03 | 12222 | Communications Manager |
| 1222-04 | 12222 | Public Relations Manager |
| 1222-05 | 12223 | Display Manager |
| 1222-06 | 12212 | Customer Service Manager |
| 1222-07 | 12212 | Contact Centre Manager |
| 1222-08 | New | Call Centre Manager |
| 1222-09 | New | Call Centre Operation Manager |
| 1222-10 | New | Contact Centre Team Leader |
| 1223 | | RESEARCH AND DEVELOPMENT MANAGERS |
| 1223-01 | 12231 | Research and Development Manager |
| 1223-02 | New | Product Development Manager |
| 1223-03 | New | Research Manager |
| 1311 | | AGRICULTURAL, FORESTRY AND LIVESTOCK PRODUCTION MANAGERS |
| 1311-01 | 14315 | Park / Estate Manager, Grade G48 |
| 1311-02 | 13111 | Forestry Manager |
| 1311-03 | 13112 | Plantation Manager |
| 1311-04 | New | Horticulture Manager |
| 1311-05 | 13112 | Production and Operation Manager, Agricultural |
| 1311-06 | 13112 | Agricultural Manager |
| 1311-07 | 13112 | Production and Operation Manager, Livestock |
| 1311-08 | 13112 | Livestock Manager |
| 1311-09 | New | Estate Manager |
| 1311-10 | 14316 | Assistant Park / Estate Manager, Grade G27 |
| 1311-11 | 13111 | Production and Operation Manager, Forestry |
| 1312 | | AQUACULTURE AND FISHERIES PRODUCTION MANAGERS |
| 1312-01 | 13121 | Fishery Manager |
| 1312-02 | 13121 | Production and Operation Manager, Fishery |
| 1312-03 | New | Aquaculture Operation Manager |
| 1312-04 | New | Fishing Operation Manager |
| 1312-05 | New | Trawler Manager |
| 1321 | | MANUFACTURING MANAGERS |
| 1321-01 | 13211 | Manufacturing Manager |
| 1321-02 | 13211 | Production and Operation Manager, Manufacturing |
| 1321-03 | 13212 | Factory Manager |
| 1321-04 | New | Manufacturer |
| 1322 | | MINING MANAGERS |
| 1322-01 | 13221 | Production and Operation Manager, Mine |
| 1322-02 | New | Production and Operation Manager, Quarry |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 1322-03 | New | Production and Operation Manager, Oil and Gas Extraction |
| 1322-04 | New | Oil and Gas Extraction Manager |
| 1322-05 | 13222 | Mining Manager |
| 1322-06 | 13223 | Quarry Manager |
| 1322-07 | New | Photovoltaic Manager |
| 1323 | | CONSTRUCTION MANAGERS |
| 1323-01 | 13231 | Construction Manager |
| 1323-02 | 13231 | Production and Operation Manager, Construction |
| 1323-03 | 13232 | Contract Manager |
| 1323-04 | 13233 | Operation Manager |
| 1323-05 | 13233 | Project Manager |
| 1323-06 | 13233 | Site Manager |
| 1323-07 | 13234 | Duty Manager |
| 1323-08 | New | Project Builder |
| 1324 | | SUPPLY, DISTRIBUTION AND RELATED MANAGERS |
| 1324-01 | 13241 | Railway Station Master |
| 1324-02 | 13241 | Transport Manager |
| 1324-03 | 13242 | Supply Manager |
| 1324-04 | 13242 | Warehouse Manager |
| 1324-05 | 13241 | Production and Operation Manager, Transport |
| 1324-06 | 13241 | Production and Operation Manager, Transport (Pipeline) |
| 1324-07 | 13241 | Production and Operation Manager, Transport (Freight Traffic) |
| 1324-08 | 13241 | Production and Operation Manager, Transport (Passenger Traffic) |
| 1324-09 | 13242 | Distribution Manager |
| 1324-10 | 13242 | Production and Operation Manager, Storage |
| 1324-11 | 13242 | Storage Manager |
| 1324-12 | 13245 | Shipping Manager |
| 1324-13 | 13247 | Logistics Manager |
| 1411 | 1411 | HOTEL MANAGERS |
| 1411-01 | 14111 | Hotel Manager |
| 1411-02 | 14391 | Hostel Manager, Grade N41 |
| 1411-03 | 14111 | Hostel Manager |
| 1411-04 | 14111 | Motel Manager |
| 1411-05 | 14392 | Assistant Hostel Manager, Grade N27 |
| 1411-06 | 14111 | Production and Operation Manager, Hotel |
| 1411-07 | 14111 | Boarding-House Manager |
| 1411-08 | 14111 | Guest-House Manager |
| 1411-09 | 14112 | Budget Hotel Manager |
| 1411-10 | 14113 | Front Desk Manager |
| 1411-11 | 14113 | Front Office Manager |
| 1411-12 | 14114 | Food and Beverage Service Manager |
| 1411-13 | New | Resort Manager |
| 1411-14 | New | Accommodation Manager |
| 1412 | 1412 | RESTAURANT MANAGERS |
| 1412-01 | 14121 | Restaurant Manager |
| 1412-02 | 14121 | Bar Manager |
| 1412-03 | 14121 | Café Manager |
| 1412-04 | 14121 | Canteen Manager |
| 1412-05 | 14121 | Cafe, Bar and Snack-Bar Manager |
| 1412-06 | 14121 | Catering Manager |
| 1412-07 | 14121 | Production and Operation Manager, Restaurant |
| 1412-08 | 14121 | Self-Service Restaurant Manager |
| 1412-09 | 14122 | Discotheque Manager |
| 1412-10 | 14123 | Refreshment Room Manager |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 1421 | | RETAIL AND WHOLESALE TRADE MANAGERS |
| 1421-01 | 14201 | Retail Trade Manager |
| 1421-02 | 14201 | Production and Operation Manager, Retail Trade |
| 1421-03 | 14201 | Retail Trade Manager, Store |
| 1421-04 | 14202 | Wholesaler |
| 1421-05 | 14202 | Wholesale Trade Manager |
| 1421-06 | 14201 | Retail Trade Manager, Self-Service Store |
| 1421-07 | 14201 | Retail Trade Manager, Mail-Order Store |
| 1421-08 | 14202 | Export Sales Manager |
| 1421-09 | 14202 | Production and Operation Manager, Wholesale Trade |
| 1421-10 | 14202 | Production and Operation Manager, Wholesale Trade (Export) |
| 1421-11 | 14202 | Production and Operation Manager, Wholesale Trade (Import) |
| 1421-12 | 14202 | Wholesale Trade Manager, Export |
| 1421-13 | 14202 | Wholesale Trade Manager, Import |
| 1421-14 | 14203 | Dealer |
| 1421-15 | 14204 | Retailer |
| 1421-16 | 14201 | Production and Operation Manager, Retail Trade (Store) |
| 1421-17 | 14201 | Production and Operation Manager, Retail Trade (Supermarket) |
| 1511 | | INFORMATION AND COMMUNICATIONS TECHNOLOGY MANAGERS |
| 1511-01 | 13304 | InfoDesa Field (MID) Manager |
| 1511-02 | New | Chief Information Technology Officer |
| 1511-03 | 13301 | Production and Operation Manager, Communications |
| 1511-04 | 13302 | Information Systems Manager |
| 1511-05 | 13302 | Information Technology Manager |
| 1511-06 | 13303 | Computer Services Manager |
| 1511-07 | 13304 | Data Processing Manager |
| 1511-08 | New | Application Development Manager |
| 1511-09 | New | Chief Information Officer |
| 1511-10 | New | Data Operations Manager |
| 1511-11 | New | ICT Development Manager |
| 1511-12 | New | Information Systems Director |
| 1511-13 | New | Internet Service Provider |
| 1511-14 | New | Network Manager |
| 1511-15 | New | Animation Director |
| 1511-16 | New | Audio Visual Manager |
| 1511-17 | New | Database Manager |
| 1511-18 | New | Computer Security Manager |
| 1511-19 | New | Information Technology Project Manager |
| 1511-20 | New | Information Technology Infrastructure Manager |
| 1511-21 | New | Information Technology Programme Manager |
| 1511-22 | New | Information Technology Sales Manager |
| 1511-23 | New | Information Technology Resource Manager |
| 1511-24 | New | Bioinformatics Manager |
| 1611 | | CHILD CARE SERVICE MANAGERS |
| 1611-01 | 13411 | Child Care Centre Manager |
| 1612 | | HEALTH SERVICES MANAGERS |
| 1612-01 | 13421 | Medical Service Director |
| 1612-02 | 13421 | Director of Nursing |
| 1612-03 | 13422 | Health Manager |
| 1612-04 | 13422 | Hospital Administrator |
| 1612-05 | 13421 | Operation Manager, Health |
| 1612-06 | 13421 | Medical Manager (Medical Administration) |
| 1612-07 | New | Clinical Director |
| 1612-08 | New | Community Health Care Coordinator |
| 1612-09 | New | Medical Administrator |
| 1612-10 | New | Phytonutrients Manager |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 1612-11 | 22655 | Health Educator |
| 1613 | | AGED CARE SERVICES MANAGERS |
| 1613-01 | 13431 | Aged Care Service Manager |
| 1613-02 | New | Aged Care Home Director |
| 1613-03 | New | Community Aged Care Coordinator |
| 1614 | | SOCIAL WELFARE MANAGERS |
| 1614-01 | 13441 | Social Work Manager |
| 1614-02 | 13441 | Social Work Operation Manager |
| 1614-03 | New | Community Centre Manager |
| 1614-04 | New | Welfare Centre Manager |
| 1614-05 | New | Family Service Manager |
| 1614-06 | New | Housing Service Manager |
| 1615 | 1345 | EDUCATION MANAGERS |
| 1615-01 | 13451 | Education Manager |
| 1615-02 | 13452 | Chancellor |
| 1615-03 | New | Principal |
| 1615-04 | 13452 | Head Teacher |
| 1615-05 | 13451 | Operation Manager, Education |
| 1615-06 | 13452 | Dean |
| 1615-07 | 13452 | Dean of Faculty |
| 1615-08 | 13452 | Head of Faculty |
| 1615-09 | 13452 | Vice Chancellor |
| 1615-10 | 13452 | School Director |
| 1615-11 | 13452 | Principal, College |
| 1615-12 | 13452 | Principal, School |
| 1615-13 | 13452 | Principal, University |
| 1616 | 1346 | FINANCIAL AND INSURANCE SERVICES BRANCH MANAGERS |
| 1616-01 | 13461 | Financial and Insurance Branch Manager |
| 1616-02 | 13462 | Financial Branch Manager |
| 1616-03 | 13463 | Insurance Branch Manager |
| 1616-04 | New | Bank Manager |
| 1616-05 | New | Credit Union Manager |
| 1616-06 | New | Insurance Agency Manager |
| 1617 | | LEGAL MANAGERS |
| 1617-01 | 14331 | Legal and Risk Management Manager |
| 1617-02 | New | Legal Manager |
| 1618 | | PROPERTY MANAGERS |
| 1618-01 | 14341 | Property Maintenance Manager |
| 1618-02 | 14342 | Property Manager |
| 1618-03 | New | Real Estate Manager |
| 1619 | 1349 | PROFESSIONAL SERVICES MANAGERS NOT ELSEWHERE CLASSIFIED |
| 1619-01 | 13491 | Production and Operation Manager, Extra Territorial Organisation |
| 1619-02 | 13492 | Design Manager |
| 1621 | | SPORTS AND RECREATION CENTRE MANAGERS |
| 1621-01 | 14311 | Sports Activity Manager |
| 1621-02 | 14313 | Recreation Manager |
| 1621-03 | 14313 | Travel Agency Manager |
| 1621-04 | 14313 | Park Manager |
| 1621-05 | 14313 | Sports Manager |
| 1621-06 | 14313 | Environmental Manager |
| 1621-07 | 14313 | Casino Manager |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 1621-08 | 14313 | Club Manager |
| 1621-09 | 14313 | Racecourse Manager |
| 1621-10 | 14313 | Caravan Park Manager |
| 1621-11 | 14313 | Cruise Manager |
| 1621-12 | 14313 | Gaming Manager |
| 1621-13 | 14313 | Sports Centre Manager |
| 1621-14 | 14313 | Stadium Manager |
| 1621-15 | 14313 | Sports and Recreation Manager |
| 1621-16 | 14313 | Camping Site Manager |
| 1621-17 | 14314 | Production and Operation Manager, Stage |
| 1621-18 | New | Racing Car Manager |
| 1622 | | PERSONAL CARE, CLEANING AND RELATED SERVICES MANAGERS |
| 1622-01 | 14322 | Personal Care Service Manager |
| 1622-02 | 14321 | Cleaning Manager |
| 1622-03 | 13493 | Sanitation Manager |
| 1622-04 | 13493 | Garbage Disposal System Manager |
| 1622-05 | 14321 | Laundering, Dry-Cleaning and Ironing Manager |
| 1622-06 | 14321 | Production and Operation Manager, Cleaning |
| 1622-07 | 14322 | Production and Operation Manager, Personal Care Service |
| 1622-08 | 14322 | Housekeeping Service Manager |
| 1622-09 | New | Laundry Manager |
| 1622-10 | New | Housekeeping Manager |
| 1622-11 | 13493 | Electricity, Water and Sanitation Manager |
| 1622-12 | 13493 | Environmental Systems Manager |
| 1622-13 | New | Sewerage Manager |
| 1623 | | SECURITY MANAGERS |
| 1623-01 | 14352 | Security Manager |
| 1623-02 | New | Security Operation Manager |
| 1624 | | CULTURAL CENTRE, MUSEUM AND LIBRARY MANAGERS |
| 1624-01 | New | Library Manager |
| 1624-02 | New | Museum Manager |
| 1624-03 | New | Archive Manager |
| 1624-04 | 14312 | Cultural Manager |
| 1624-05 | New | Art Gallery Manager |
| 1624-06 | New | Correctional Service Manager (Archive) |
| 1624-07 | 14312 | Production and Operation Manager, Cultural Activities |
| 1624-08 | 14314 | Stage Manager |
| 1624-09 | New | Cinema Manager |
| 1624-10 | New | Theatre Manager |
| 1624-11 | New | Floor Manager (Broadcasting) |
| 1629 | | OTHER SERVICES MANAGERS NOT ELSEWHERE CLASSIFIED |
| 2 | | PROFESSIONALS |
| 2111 | | PHYSICISTS AND ASTRONOMERS |
| 2111-01 | 21111 | Physicist |
| 2111-02 | 21111 | Physicist, Theoretical |
| 2111-03 | 21112 | Aerodynamicist |
| 2111-04 | 21112 | Ballistician |
| 2111-05 | 21112 | Physicist, Ballistics |
| 2111-06 | 21112 | Physicist, Hydrodynamics |
| 2111-07 | 21112 | Physicist, Solid-State |
| 2111-08 | 21112 | Physicist, Mechanics |
| 2111-09 | 21112 | Hydrodynamicist |
| 2111-10 | 21112 | Thermodynamicist |
| 2111-11 | 21113 | Physicist, Acoustics |
| 2111-12 | 21113 | Physicist, Sound |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 2111-13 | 21113 | Physicist, Light |
| 2111-14 | 21113 | Physicist, Heat |
| 2111-15 | 21113 | Physicist, Medical |
| 2111-16 | 21113 | Physicist, Thermodynamics |
| 2111-17 | 21114 | Physicist, Electricity and Magnetism |
| 2111-18 | 21115 | Physicist, Electronics |
| 2111-19 | 21116 | Physicist, Nuclear |
| 2111-20 | 21116 | Physicist, Atomic |
| 2111-21 | 21116 | Physicist, Molecular |
| 2111-22 | 21117 | Astrophysicist |
| 2111-23 | 21117 | Astronomer |
| 2111-24 | 21117 | Astronomer, Radio |
| 2111-25 | 21117 | Physicist, Astronomer |
| 2111-26 | 21118 | Cosmologist |
| 2111-27 | 21119 | Physicist, Rheology |
| 2111-28 | 21119 | Rheologist |
| 2111-29 | 21735 | Astronaut |
| 2112 | | METEOROLOGISTS AND SEISMOLOGISTS |
| 2112-01 | 21124 | Meteorological Officer, Grade C41 |
| 2112-02 | New | Assistant Meteorological Officer, Grade C27 |
| 2112-03 | 21121 | Meteorologist |
| 2112-04 | 21122 | Climatologist |
| 2112-05 | 21122 | Meteorologist-Climatology |
| 2112-06 | 21123 | Meteorologist-Weather Forecasting |
| 2112-07 | 21123 | Seismologist |
| 2112-08 | 21123 | Weather Forecaster |
| 2112-09 | 21125 | Agrometeorologist |
| 2112-10 | 21126 | Meteorologist, Marine |
| 2112-11 | 21127 | Meteorologist, Environmental |
| 2112-12 | 21128 | Meteorologist, Numerical Weather Prediction |
| 2112-13 | New | Climate Service Specialist |
| 2112-14 | New | Refrigeration Service Specialist |
| 2112-15 | New | Weather Service Specialist |
| 2113 | | CHEMISTS |
| 2113-01 | 26545 | Film Lab Officer, Grade C41 |
| 2113-02 | 21455 | Food Technology Officer, Grade C41 |
| 2113-03 | 31112 | Assistant Food Technology Officer, Grade C27 |
| 2113-04 | 35215 | Assistant Film Laboratory Officer, C27 |
| 2113-05 | 21131 | Chemist |
| 2113-06 | 21132 | Chemist, Rubber |
| 2113-07 | 21132 | Chemist, Organic |
| 2113-08 | 21133 | Chemist, Inorganic |
| 2113-09 | 21133 | Chemist, Glass |
| 2113-10 | 21133 | Chemist, Metallurgy |
| 2113-11 | 21133 | Chemist, Corrosion |
| 2113-12 | 21133 | Chemist, Plastics |
| 2113-13 | 21133 | Chemist, Polymer |
| 2113-14 | 21134 | Chemist, Physical |
| 2113-15 | 21135 | Chemist, Analysis |
| 2113-16 | 21135 | Chemist, Research and Development |
| 2113-17 | 21136 | Chemist, Water Purification |
| 2113-18 | 21137 | Chemist, Detergent |
| 2113-19 | 21137 | Chemist, Leather |
| 2113-20 | 21137 | Chemist, Paint |
| 2113-21 | 21137 | Chemist, Quality Control |
| 2113-22 | 21137 | Chemist, Food |
| 2113-23 | 21137 | Chemist, Industrial |
| 2113-24 | 21137 | Chemist, Petroleum |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 2113-25 | 21137 | Chemist, Dye |
| 2113-26 | 21137 | Chemist, Textile |
| 2113-27 | 21139 | Chemist, Pharmaceutical |
| 2113-28 | 21139 | Chemist, Crystallography |
| 2113-29 | 21139 | Chemist, Nuclear |
| 2113-30 | New | Seismic Stratigrapher |
| 2113-31 | New | Geochemist |
| 2113-32 | New | Paleo & Biotratigrapher |
| 2113-33 | New | Geological 2D/3D Reservoir Modeller |
| 2113-34 | New | Exploration Geologist |
| 2113-35 | New | Sedimentologist |
| 2113-36 | New | Petrophysicist |
| 2113-37 | New | Basin Modeller |
| 2113-38 | New | Carbonisation Specialist |
| 2113-39 | New | Condensation Specialist |
| 2113-40 | New | Nickel Plating Specialist |
| 2113-41 | New | Anodising Specialist |
| 2114 | | GEOLOGISTS AND GEOPHYSICISTS |
| 2114-01 | 21148 | Geology Officer (Geophysics/ Geology), Grade C41 |
| 2114-02 | 21811 | Mineral Officer, Grade C41 |
| 2114-03 | 21138 | Geochemical Officer, Grade C41 |
| 2114-04 | 31115 | Assistant Geochemistry Officer, Grade C27 |
| 2114-05 | 31175 | Assistant Mineral Officer, Grade C27 |
| 2114-06 | 21141 | Geophysicist |
| 2114-07 | 21141 | Geologist |
| 2114-08 | 21142 | Geologist, Engineering |
| 2114-09 | 21143 | Geologist, Mining |
| 2114-10 | 21143 | Mineralogist |
| 2114-11 | 21144 | Geologist, Oil |
| 2114-12 | 21144 | Geologist, Petroleum |
| 2114-13 | 21144 | Geologist, Petrology |
| 2114-14 | 21144 | Petrologist |
| 2114-15 | 21145 | Geophysicist, Oceanography |
| 2114-16 | 21145 | Geologist, Marine |
| 2114-17 | 21145 | Geologist, Oceanography |
| 2114-18 | 21145 | Oceanographer |
| 2114-19 | 21145 | Geophysical Oceanographer |
| 2114-20 | 21145 | Geological Oceanographer |
| 2114-21 | 21146 | Geodesist |
| 2114-22 | 21146 | Geophysicist, Geomagnetic |
| 2114-23 | 21146 | Geophysicist, Geomorphology |
| 2114-24 | 21146 | Geophysicist, Seismology |
| 2114-25 | 21146 | Geomagnetician |
| 2114-26 | 21146 | Geomorphologist |
| 2114-27 | 21147 | Geophysicist, Hydrology |
| 2114-28 | 21147 | Hydrogeologist |
| 2114-29 | 21147 | Hydrologist |
| 2114-30 | 21149 | Geologist, Micropalaeontology |
| 2114-31 | 21149 | Geologist, Palaeontology |
| 2114-32 | 21149 | Geologist, Stratigraphy |
| 2114-33 | 21149 | Palaeontologist |
| 2114-34 | 21149 | Stratigraphist |
| 2114-35 | 21149 | Micropalaeontologist |
| 2121 | | MATHEMATICIANS, ACTUARIES AND STATISTICIANS |
| 2121-01 | 21202 | Actuarial Officer, Grade W41 |
| 2121-02 | 21204 | Statistician, Grade E41 |
| 2121-03 | 33141 | Assistant Statistics Officer, Grade E27 |
| 2121-04 | 21201 | Mathematician |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 2121-05 | 21201 | Mathematician, Applied Mathematics |
| 2121-06 | 21201 | Mathematician, Pure Mathematics |
| 2121-07 | 21201 | Mathematician, Actuarial Science |
| 2121-08 | 21203 | Statistician, Applied Statistics |
| 2121-09 | 21203 | Statistician, Survey |
| 2121-10 | 21205 | Biometrician |
| 2121-11 | 21205 | Statistician, Biological |
| 2121-12 | 21205 | Statistician, Health |
| 2121-13 | 21206 | Statistician, Economics |
| 2121-14 | 21206 | Statistician, Finance |
| 2121-15 | 21206 | Statistician, Market Research |
| 2121-16 | 21206 | Statistician, Business and Economics |
| 2121-17 | 21207 | Statistician, Education |
| 2121-18 | 21207 | Statistician, Social Science |
| 2121-19 | 21208 | Statistician, Engineering |
| 2121-20 | 21208 | Statistician, Mathematical |
| 2121-21 | 21208 | Statistician, Physical Science |
| 2121-22 | 21209 | Demographer |
| 2121-23 | 21209 | Statistician, Demography |
| 2121-24 | 21209 | Statistician, Public Opinion |
| 2121-25 | 21209 | Statistician, Agricultural |
| 2131 | | BIOLOGISTS, BOTANISTS, ZOOLOGISTS AND RELATED PROFESSIONALS |
| 2131-01 | 21337 | Wildlife Officer, Grade G41 |
| 2131-02 | 31417 | Assistant Wildlife Officer, Grade G27 |
| 2131-03 | 21316 | Immunologist |
| 2131-04 | 21316 | Microbiologist |
| 2131-05 | 21316 | Serologist |
| 2131-06 | 21316 | Virologist |
| 2131-07 | 21316 | Histologist |
| 2131-08 | 21312 | Histologist, Plant |
| 2131-09 | 21311 | Biologist |
| 2131-10 | 21311 | Biologist, Fresh Water |
| 2131-11 | 21311 | Biologist, Aquatic |
| 2131-12 | 21311 | Biologist, Marine |
| 2131-13 | 21311 | Biotechnologist |
| 2131-14 | 21311 | Hydrobiologist |
| 2131-15 | 21311 | Taxonomist |
| 2131-16 | 21312 | Taxonomist, Plant |
| 2131-17 | 21313 | Taxonomist, Animal |
| 2131-18 | New | Cystologist |
| 2131-19 | 21312 | Cystologist, Plant |
| 2131-20 | 21313 | Cystologist, Animal |
| 2131-21 | 21312 | Botanist |
| 2131-22 | 21312 | Botanist, Economics |
| 2131-23 | 21312 | Botanist, Histology |
| 2131-24 | 21312 | Botanist, Mycology |
| 2131-25 | 21312 | Botanist, Taxonomy |
| 2131-26 | 21312 | Botanist, Soil |
| 2131-27 | 21315 | Botanist, Ecology |
| 2131-28 | 21316 | Geneticist |
| 2131-29 | 21312 | Geneticist, Plant |
| 2131-30 | 21313 | Geneticist, Animal |
| 2131-31 | 21312 | Mycologist |
| 2131-32 | 21316 | Engineer, Genetics |
| 2131-33 | 21313 | Herpetologist |
| 2131-34 | 21313 | Ichthyologist |
| 2131-35 | 21313 | Mammalogist |
| 2131-36 | 21313 | Ornithologist |
| 2131-37 | 21313 | Parasitologist |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 2131-38 | 21313 | Pisciculturist |
| 2131-39 | 21313 | Fish Culturist |
| 2131-40 | 21313 | Zoologist |
| 2131-41 | 21313 | Zoologist, Embryology |
| 2131-42 | 21313 | Zoologist, Entomology |
| 2131-43 | 21313 | Zoologist, Histology |
| 2131-44 | 21313 | Zoologist, Ichthyology |
| 2131-45 | 21313 | Zoologist, Mammalogy |
| 2131-46 | 21313 | Zoologist, Ornithology |
| 2131-47 | 21313 | Zoologist, Parasitology |
| 2131-48 | 21313 | Zoologist, Pisciculture |
| 2131-49 | 21313 | Zoologist, Taxonomy |
| 2131-50 | 21315 | Zoologist, Ecology |
| 2131-51 | 21314 | Entomologist |
| 2131-52 | 21315 | Ecologist |
| 2131-53 | 21315 | Ecologist, Animal |
| 2131-54 | 21315 | Ecologist, Plant |
| 2131-55 | 21315 | Ecologist, Social |
| 2131-56 | 21316 | Bacteriologist |
| 2131-57 | 21316 | Bacteriologist, Pharmaceutical |
| 2131-58 | 21316 | Bacteriologist, Food |
| 2131-59 | 21316 | Bacteriologist, Molecular |
| 2131-60 | 21316 | Bacteriologist, Fishery |
| 2131-61 | 21316 | Bacteriologist, Industrial |
| 2131-62 | 21316 | Bacteriologist, Agricultural |
| 2131-63 | 21316 | Bacteriologist, Medical |
| 2131-64 | 21316 | Bacteriologist, Soil |
| 2131-65 | 21316 | Bacteriologist, Dairy |
| 2131-66 | 21316 | Bacteriologist, Veterinary |
| 2131-67 | New | Technologist, Green Technology |
| 2131-68 | New | Animal Behaviourist |
| 2132 | | FARMING, FORESTRY AND FISHERIES ADVISERS |
| 2132-01 | 21323 | Fisheries Officer, Grade G41 |
| 2132-02 | 21324 | Conservator of Forest, Grade G41 |
| 2132-03 | 21325 | Agricultural Officer, Grade G41 |
| 2132-04 | 21326 | Land Planning Officer, Grade G41 |
| 2132-05 | 31428 | Assistant Land Planning Officer, Grade G27 |
| 2132-06 | 31426 | Assistant Agricultural Officer, Grade G27 |
| 2132-07 | 31432 | Assistant Conservator of Forest, Grade G27 |
| 2132-08 | 31441 | Assistant Fisheries Officer, Grade G27 |
| 2132-09 | 21321 | Agricultural Officer |
| 2132-10 | 21321 | Planting Adviser |
| 2132-11 | 21321 | Farming Adviser |
| 2132-12 | 21321 | Agricultural Adviser |
| 2132-13 | 21321 | Farm Demonstrator |
| 2132-14 | 21322 | Forestry Officer |
| 2132-15 | 21322 | Forestry Conservator |
| 2132-16 | 21322 | Forestry Adviser |
| 2133 | | ENVIRONMENTAL PROTECTION PROFESSIONALS |
| 2133-01 | 21338 | Environmental Control Officer, Grade C41 |
| 2133-02 | 21331 | Agronomist |
| 2133-03 | 21332 | Crop Research Scientist |
| 2133-04 | 21332 | Agricultural Scientist |
| 2133-05 | 21333 | Floriculturist |
| 2133-06 | 21333 | Horticulturist |
| 2133-07 | 21333 | Olericulturist |
| 2133-08 | 21333 | Pomologist |
| 2133-09 | 21334 | Wood Anatomist |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 2133-10 | 21334 | Arboriculturist |
| 2133-11 | 21334 | Soil Conservationist |
| 2133-12 | 21334 | Forestry Scientist |
| 2133-13 | 21334 | Soil Scientist |
| 2133-14 | 21334 | Silviculturist |
| 2133-15 | 21334 | Wood Analyst |
| 2133-16 | New | Scientist |
| 2133-17 | 21335 | Animal Scientist |
| 2133-18 | 21336 | Environmental Research Scientist |
| 2133-19 | New | Conservation Officer |
| 2133-20 | New | Conservation Scientist |
| 2133-21 | New | Environmental Adviser |
| 2133-22 | New | Environmental Auditor |
| 2133-23 | New | Environmental Consultant |
| 2133-24 | New | Environmental Scientist |
| 2133-25 | 32574 | Assistant Environmental Control Officer, Grade C27 |
| 2134 | | PHARMACOLOGISTS, PATHOLOGISTS AND RELATED PROFESSIONALS |
| 2134-01 | 21341 | Anatomist |
| 2134-02 | 21342 | Biochemist |
| 2134-03 | 21342 | Biochemist, Enzymes |
| 2134-04 | 21342 | Biochemist, Clinical |
| 2134-05 | 21342 | Biochemist, Proteins |
| 2134-06 | 21342 | Biochemist, Steroids |
| 2134-07 | 21342 | Chemist, Biological |
| 2134-08 | 21343 | Biophysicist |
| 2134-09 | 21344 | Endocrinologist |
| 2134-10 | 21345 | Physiologist |
| 2134-11 | 21345 | Physiologist, Endocrinology |
| 2134-12 | 21345 | Physiologist, Epidemiology |
| 2134-13 | 21345 | Physiologist, Animal |
| 2134-14 | 21345 | Physiologist, Neurology |
| 2134-15 | 21345 | Physiologist, Plant |
| 2134-16 | 21346 | Pharmacologist |
| 2134-17 | 21346 | Pharmacologist, Toxicology |
| 2134-18 | 21346 | Pharmacologist, Veterinary |
| 2134-19 | 21346 | Toxicologist |
| 2134-20 | 21347 | Histopathologist |
| 2134-21 | 21347 | Neuropathologist |
| 2134-22 | 21347 | Pathologist |
| 2134-23 | 21347 | Pathologist, Forensic |
| 2134-24 | 21347 | Pathologist, Animal |
| 2134-25 | 21347 | Pathologist, Histopathology |
| 2134-26 | 21347 | Pathologist, Clinical |
| 2134-27 | 21347 | Pathologist, Neuropathology |
| 2134-28 | 21347 | Pathologist, Surgical |
| 2134-29 | 21347 | Pathologist, Medical |
| 2134-30 | 21347 | Pathologist, Plant |
| 2134-31 | 21347 | Pathologist, Veterinary |
| 2134-32 | 21348 | Epidemiologist |
| 2134-33 | New | Bio-Fermentation Specialist |
| 2134-34 | New | Research and Development Pharmacist |
| 2134-35 | New | Bee Cultivation Specialist |
| 2141 | | INDUSTRIAL AND PRODUCTION ENGINEERS |
| 2141-01 | 21411 | Automation Engineer |
| 2141-02 | 21411 | Robotics Engineer |
| 2141-03 | 21412 | Industrial Engineer |
| 2141-04 | 21416 | Production Engineer |
| 2141-05 | 21412 | Industrial Layout Engineer |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 2141-06 | 21413 | Communications Analyst |
| 2141-07 | 21413 | Systems Analyst (Except Computers) |
| 2141-08 | 21413 | Organisation and Methods Engineer |
| 2141-09 | 21413 | Planning Engineer |
| 2141-10 | 21413 | Systems Engineer (Except Computers) |
| 2141-11 | 21413 | Systems Design Engineer |
| 2141-12 | 21414 | Work Study Engineer |
| 2141-13 | 21414 | Industrial Efficiency Engineer |
| 2141-14 | 21414 | Time and Motion Engineer |
| 2141-15 | 21414 | Cost Evaluation Engineer |
| 2141-16 | 21416 | Leather Technologist |
| 2141-17 | 21416 | Glass Technologist |
| 2141-18 | 21416 | Packaging Technologist |
| 2141-19 | 21416 | Printing Technologist |
| 2141-20 | 21416 | Ceramics Technologist |
| 2141-21 | 21416 | Cement Technologist |
| 2141-22 | 21416 | Textile Technologist |
| 2141-23 | 21417 | Wood Technologist |
| 2141-24 | New | Plant Engineer |
| 2141-25 | New | Package Design Engineer |
| 2141-26 | New | Analogue Integrated Circuit (IC) Package Design Engineer |
| 2141-27 | New | Material Specialist |
| 2141-28 | New | Bindery Specialist |
| 2141-29 | New | Furniture Upholstery Technologist |
| 2141-30 | New | Carving Technologist |
| | | |
| 2142 | | CIVIL ENGINEERS |
| 2142-01 | 21424 | Engineer (Civil), Grade J41 |
| 2142-02 | 21423 | Executive Officer (Engineering), Grade 41 |
| 2142-03 | New | Engineer, Grade J41 |
| 2142-04 | 31199 | Assistant Engineer, Grade J29 |
| 2142-05 | 31127 | Assistant Engineer (Civil), Grade J29 |
| 2142-06 | 31128 | Assistant Executive Officer (Engineering), Grade 31 |
| 2142-07 | MIDA | Executive Officer (Engineering), Grade L5 |
| 2142-08 | SPAD | Assistant Executive Officer (Technician), Grade L8 |
| 2142-09 | SPAD | Assistant Executive Officer (Engineering), Grade L8 |
| 2142-10 | New | Engineer |
| 2142-11 | New | Technologist |
| 2142-12 | 21421 | Civil Engineering Technologist |
| 2142-13 | 21421 | Civil Engineer |
| 2142-14 | 21421 | Site Engineer |
| 2142-15 | 21422 | Technologist, Building Materials |
| 2142-16 | 21422 | Civil Engineer, Construction |
| 2142-17 | 21422 | Civil Engineer, Aerodome Construction |
| 2142-18 | 21422 | Civil Engineer, Building Construction |
| 2142-19 | 21422 | Civil Engineer, Dock and Harbour Construction |
| 2142-20 | 21422 | Civil Engineer, Tower Construction |
| 2142-21 | 21422 | Civil Engineer, Chimney Construction |
| 2142-22 | 21422 | Civil Engineer, Structural |
| 2142-23 | 21422 | Civil Engineer, Building Structure |
| 2142-24 | 21423 | Civil Engineer, Highway and Road |
| 2142-25 | 21423 | Civil Engineer, Road Construction |
| 2142-26 | 21423 | Civil Engineer, Railway Construction |
| 2142-27 | 21425 | Civil Engineer, Geotechnics |
| 2142-28 | 21425 | Civil Engineer, Bridge Construction |
| 2142-29 | 21425 | Civil Engineer, Tunnel Construction |
| 2142-30 | 21426 | Civil Engineer, Soil Mechanics |
| 2142-31 | 21426 | Civil Engineer, Irrigation |
| 2142-32 | 21426 | Civil Engineer, Dredging |
| 2142-33 | 21427 | Civil Engineer, Hydraulics |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 2142-34 | 21427 | Civil Engineer, Hydrology |
| 2142-35 | 21428 | Civil Engineer, Public Health |
| 2142-36 | 21428 | Civil Engineer, Sanitary |
| 2142-37 | 21429 | Facilities Engineer |
| 2142-38 | 21429 | Maintenance Engineer |
| 2142-39 | New | Geotechnical Engineer |
| 2142-40 | New | Structural Engineer |
| 2142-41 | New | Assistant Engineer |
| 2143 | | ENVIRONMENTAL ENGINEERS |
| 2143-01 | 21431 | Environmental Engineer |
| 2143-02 | 21428 | Sewerage and Sanitation Engineer |
| 2143-03 | New | Air Pollution Control Engineer |
| 2143-04 | New | Environmental Remediation Specialist |
| 2143-05 | New | Environmental Analyst |
| 2144 | | MECHANICAL ENGINEERS |
| 2144-01 | 21446 | Engineer (Mechanical), Grade J41 |
| 2144-02 | 31158 | Assistant Engineer (Mechanical), Grade J29 |
| 2144-03 | 21441 | Mechanical Engineering Technologist |
| 2144-04 | 21441 | Mechanical Engineer |
| 2144-05 | 21442 | Industrial Machinery and Tool Engineer |
| 2144-06 | 21442 | Lift Engineer |
| 2144-07 | 21442 | Mechanical Engineer, Instruments |
| 2144-08 | 21443 | Cryogenic Engineer |
| 2144-09 | 21443 | Nuclear Power Engineer |
| 2144-10 | 21443 | Mechanical Engineer, Nuclear Power |
| 2144-11 | 21444 | Heating Ventilation Air-Conditioning and Refrigeration Engineer |
| 2144-12 | 21445 | Diesel Engineer |
| 2144-13 | 21445 | Engine Engineer |
| 2144-14 | 21445 | Jet Engine Engineer |
| 2144-15 | 21445 | Locomotive Engine Engineer |
| 2144-16 | 21445 | Internal Combustion Engine Engineer |
| 2144-17 | 21445 | Mechanical Engineer, Automotive |
| 2144-18 | 21445 | Mechanical Engineer, Diesel |
| 2144-19 | 21445 | Mechanical Engineer, Motor and Engine |
| 2144-20 | 21445 | Mechanical Engineer, Gas Turbine |
| 2144-21 | 21712 | Mechanical Engineer, Naval |
| 2144-22 | 21445 | Motor Engineer |
| 2144-23 | 21445 | Lubrication Engineer |
| 2144-24 | 21445 | Steam Engineer |
| 2144-25 | 21445 | Gas Turbine Engineer |
| 2144-26 | 21445 | Motor-Car Design Engineer |
| 2144-27 | 21449 | Welding Technologist |
| 2144-28 | 21449 | Mechanical Engineer, Agriculture |
| 2144-29 | 21449 | Agricultural Engineer |
| 2144-30 | 21737 | Mechanical Engineer, Aerospace |
| 2144-31 | 21737 | Mechanical Engineer, Aeronautics |
| 2144-32 | New | Thermal Engineer |
| 2144-33 | New | Thermal Mechanical Solution Engineer |
| 2144-34 | New | Hydraulic Design Engineer |
| 2144-35 | New | Microprogramming Engineer |
| 2144-36 | New | Aero-Material Component Engineer |
| 2144-37 | New | Technical Technology Engineer |
| 2145 | | CHEMICAL ENGINEERS |
| 2145-01 | SPA | Engineer (Chemical), GradeJ41 |
| 2145-02 | 21451 | Chemical Engineering Technologist |
| 2145-03 | 21451 | Chemical Process Technologist |
| 2145-04 | 21451 | Chemical Engineer |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 2145-05 | 31165 | Assistant Chemical Engineer, Grade J29 |
| 2145-06 | 21451 | Chemical Process Engineer |
| 2145-07 | 21452 | Fuel Technologist |
| 2145-08 | 21453 | Paint Technologist |
| 2145-09 | 21453 | Paint Engineer |
| 2145-10 | 21453 | Varnish Engineer |
| 2145-11 | 21454 | Fertiliser Engineer |
| 2145-12 | 21455 | Chemical Engineer, Pharmaceutical |
| 2145-13 | 21456 | Alcohol Technologist |
| 2145-14 | 21456 | Brewing Technologist |
| 2145-15 | 21456 | Food and Drink Technologist |
| 2145-16 | 21456 | Food Chemical Engineer |
| 2145-17 | 21457 | Fibre Technologist |
| 2145-18 | 21457 | Plastics Technologist |
| 2145-19 | 21457 | Polymer Technologist |
| 2145-20 | 21458 | Rubber Technologist |
| 2145-21 | 21458 | Paper Technologist |
| 2145-22 | 21458 | Tyre Technologist |
| 2145-23 | New | Briquetting Plant Engineer |
| 2145-24 | New | Freeze Dried Technologist |
| 2145-25 | New | Biodynamic Compost Expert |
| 2145-26 | New | Moringa Specialist |
| 2145-27 | New | Aqua Research and Development Nutritionist |
| 2146 | | MINING ENGINEERS, METALLURGISTS AND RELATED PROFESSIONALS |
| 2146-01 | 21461 | Mining Engineer |
| 2146-02 | 21462 | Metal Mining Engineer |
| 2146-03 | 21463 | Coal Mining Engineer |
| 2146-04 | 21463 | Non-Metal Mining Engineer |
| 2146-05 | 21463 | Diamond Mining Engineer |
| 2146-06 | 21464 | Petroleum Mining Engineer |
| 2146-07 | New | Natural Gas Mining Engineer |
| 2146-08 | 21465 | Metal Testing Engineer |
| 2146-09 | New | Metallurgist |
| 2146-10 | 21462 | Metallurgist, Radioactive Minerals |
| 2146-11 | 21462 | Metallurgist, Assayer |
| 2146-12 | 21465 | Metallurgist, Extractive |
| 2146-13 | 21465 | Metallurgist, Foundry |
| 2146-14 | 21466 | Metallurgist, Physics |
| 2146-15 | 21465 | Extractive Technologist |
| 2146-16 | 21462 | Assayer |
| 2146-17 | New | Petroleum and Natural Gas Engineer |
| 2146-18 | 21452 | Petroleum Engineer |
| 2146-19 | 21452 | Gas Engineer |
| 2146-20 | 21452 | Natural Gas Production and Distribution Engineer |
| 2146-21 | New | Casting Engineer |
| 2149 | | ENGINEERING PROFESSIONALS (EXCLUDING ELECTROTECHNOLOGY) NOT ELSEWHERE CLASSIFIED |
| 2149-01 | 21656 | Quantity Surveyor, Grade J41 |
| 2149-02 | 21657 | Building Surveyor, Grade J41 |
| 2149-03 | 21652 | Executive Officer (Building Surveyor), Grade 41 |
| 2149-04 | 31191 | Assistant Quantity Surveyor, Grade J29 |
| 2149-05 | New | Assistant Building Surveyor, Grade J29 |
| 2149-06 | 22633 | Factory and Machinery Inspector, Grade J41 |
| 2149-07 | 32576 | Assistant Factory and Machinery Inspector, Grade J29 |
| 2149-08 | 21652 | Quantity Surveyor |
| 2149-09 | 21491 | Project Engineer |
| 2149-10 | 21491 | Process Engineer |
| 2149-11 | 21492 | Quality Assurance Engineer |
| 2149-12 | 21492 | Quality Control Engineer |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|-----------------------------|---------------|--|
| 2149-13 | 21493 | Technical Service Adviser |
| 2149-14 | 21494 | Research Engineer |
| 2149-15 | 21495 | Engineering Store Executive |
| 2149-16 | New | Biomedical Engineer |
| 2149-17 | New | Explosive Ordnance Engineer |
| 2149-18 | New | Marine Salvage Engineer |
| 2149-19 | New | Materials Engineer |
| 2149-20 | New | Optical Engineer |
| 2149-21 | New | Safety Engineer |
| 2149-22 | 21415 | Industrial Safety Engineer |
| 2149-23 | 21415 | Industrial Health and Safety Engineer |
| 2149-24 | 21415 | Industrial Health Engineer |
| 2149-25 | New | Quality Engineer |
| 2151 | | |
| ELECTRICAL ENGINEERS | | |
| 2151-01 | 21516 | Engineer (Electrical), Grade J41 |
| 2151-02 | 31137 | Assistant Engineer (Electrical), Grade J29 |
| 2151-03 | 21511 | Electrical Engineering Technologist |
| 2151-04 | 21511 | Electrical Engineer |
| 2151-05 | 21511 | Electrical Systems Engineer |
| 2151-06 | 21511 | Electrical Testing Engineer |
| 2151-07 | 21512 | Electrical Engineer, Electric Power Generation |
| 2151-08 | 21512 | Electrical Engineer, High Voltage |
| 2151-09 | 21512 | Power Generation Engineer |
| 2151-10 | 21513 | Electrical Engineer, Electric Power Distribution |
| 2151-11 | 21513 | Electrical Engineer, Electric Power Transmission |
| 2151-12 | 21513 | Electrical Engineer, Electric Traction |
| 2151-13 | 21513 | Power Distribution and Transmission Engineer |
| 2151-14 | 21513 | Electric Power Transmission Engineer |
| 2151-15 | 21514 | Electrical Illuminating Engineer |
| 2151-16 | 21515 | Electrical Engineer, Electromechanical Equipment |
| 2151-17 | New | Voltage Regulator Designer |
| 2151-18 | New | Thermal/Optic Specialist (LED) |
| 2151-19 | New | Cell Engineer |
| 2151-20 | New | Electrode Cylindrical Engineer |
| 2151-21 | New | Electrode Polymer Engineer |
| 2151-22 | New | Laser Welding Cylindrical Engineer |
| 2151-23 | New | Prismatic Research Engineer |
| 2151-24 | New | Electrolyte Engineer |
| 2152 | | |
| ELECTRONIC ENGINEERS | | |
| 2152-01 | 21527 | Engineer (Electronics), Grade J41 |
| 2152-02 | 31145 | Assistant Engineer (Electronics), Grade J29 |
| 2152-03 | 21521 | Electronic Engineering Technologist |
| 2152-04 | 21521 | Electronics Engineer |
| 2152-05 | 21522 | Railway Signal Engineer |
| 2152-06 | 21523 | Computer Applications Engineer |
| 2152-07 | 21523 | Electronics Engineer, Information Engineering |
| 2152-08 | 21523 | Electronics Engineer, Computer Hardware Design |
| 2152-09 | 21523 | Computer Engineer |
| 2152-10 | 21523 | Computer Engineer, Software |
| 2152-11 | 21523 | Computer Engineer, Hardware |
| 2152-12 | 21523 | Systems Engineer |
| 2152-13 | 21523 | Computer Systems Engineer |
| 2152-14 | 21523 | Management Information System (MIS) Engineer |
| 2152-15 | 21523 | Information Technology Engineer |
| 2152-16 | 21524 | Audio and Video Equipment Engineer |
| 2152-17 | 21524 | Sound System Engineer |
| 2152-18 | 21525 | Electronics Engineer, Semiconductors |
| 2152-19 | 21525 | Semiconductor Engineer |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 2152-20 | 21526 | Electronics Engineer, Instrumentation |
| 2152-21 | 21526 | Mechatronics Engineer |
| 2152-22 | New | Physical Design Verification Engineer |
| 2152-23 | New | Pre-Silicon Validation Engineer |
| 2152-24 | New | Computer-Aided Design (CAD) Design Automation Engineer |
| 2152-25 | New | Computer-Aided Design (CAD) Engineer |
| 2152-26 | New | Automation Design Engineer |
| 2152-27 | New | Printed Circuit Board (PCB) Design Engineer |
| 2152-28 | New | Product Characterisation Engineer |
| 2152-29 | New | Platform Signal Integrity Engineer |
| 2152-30 | New | Motherboard Designer |
| 2152-31 | New | Board Design Engineer |
| 2152-32 | New | Embedded System Board Designer |
| 2152-33 | New | Hardware Board Design Engineer |
| 2152-34 | New | Personal Computer (PC) Motherboard Designer |
| 2152-35 | New | Post-Silicon Validation Engineer |
| 2152-36 | New | Analogue Integrated Circuit (IC) Designer |
| 2152-37 | New | Digital Integrated Circuit (IC) Designer |
| 2152-38 | New | Layout Integrated Circuit (IC) Designer |
| 2152-39 | New | Wirebond Engineer |
| 2153 | | TELECOMMUNICATIONS ENGINEERS |
| 2153-01 | New | Telecommunications Engineer |
| 2153-02 | 21531 | Telecommunications Engineer, Aerospace |
| 2153-03 | 21531 | Telecommunications Engineer, Radar |
| 2153-04 | 21531 | Telecommunications Engineer, Signal Systems |
| 2153-05 | 21532 | Telecommunications Engineering Technologist |
| 2153-06 | 21533 | Telecommunications Engineer, Microwave |
| 2153-07 | 21533 | Telecommunications Engineer, Radio |
| 2153-08 | 21533 | Telecommunications Engineer, Telephone |
| 2153-09 | 21533 | Telecommunications Engineer, Telegraph |
| 2153-10 | 21533 | Telecommunications Engineer, Television |
| 2153-11 | New | Broadcast Engineer |
| 2161 | | BUILDING ARCHITECTS |
| 2161-01 | 21611 | Architect, Grade J41 |
| 2161-02 | 31126 | Assistant Architectural Officer, Grade J29 |
| 2161-03 | 21614 | Architect |
| 2161-04 | 21612 | Interior Architect |
| 2161-05 | 21613 | Building Architect |
| 2162 | | LANDSCAPE ARCHITECTS |
| 2162-01 | 21622 | Landscape Architect, Grade J41 |
| 2162-02 | 31184 | Assistant Landscape Architect, Grade J29 |
| 2162-03 | 21621 | Landscape Architect |
| 2163 | | PRODUCT AND GARMENT DESIGNERS |
| 2163-01 | 21631 | Commercial Product Designer |
| 2163-02 | 21631 | Industrial Product Designer |
| 2163-03 | 21632 | Fashion Designer |
| 2163-04 | 34324 | Jewellery Designer |
| 2163-05 | 21632 | Fabric Designer |
| 2163-06 | 21632 | Garment Designer |
| 2163-07 | 21632 | Textile Designer |
| 2163-08 | New | Costume Designer |
| 2163-09 | 34324 | Packaging Designer |
| 2163-10 | 34324 | Shoe Designer |
| 2164 | | TOWN AND TRAFFIC PLANNERS |
| 2164-01 | 21643 | Urban and Rural Planning Officer, Grade J41 |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 2164-02 | 31185 | Assistant Urban and Rural Planning Officer, Grade J29 |
| 2164-03 | 21641 | Town Planner |
| 2164-04 | 21641 | Urban and Rural Planner |
| 2164-05 | 21642 | Traffic Engineer |
| 2164-06 | 21642 | Traffic Planner |
| 2164-07 | New | Land Planner |
| 2165 | | CARTOGRAPHERS AND SURVEYORS |
| 2165-01 | 21654 | Geospatialist, Grade J41 |
| 2165-02 | 21655 | Surveyor, Grade J41 |
| 2165-03 | New | Assistant Surveyor, Grade J29 |
| 2165-04 | 21651 | Cartographer |
| 2165-05 | 21651 | Cartographer, Marine |
| 2165-06 | 21658 | Photogrammetrist |
| 2165-07 | 21651 | Map Maker |
| 2165-08 | 21652 | Surveyor |
| 2165-09 | 21653 | Mine Surveyor |
| 2165-10 | 21653 | Soil Surveyor |
| 2165-11 | 21653 | Topographic Surveyor |
| 2165-12 | 21658 | Photographic Surveyor |
| 2165-13 | 21658 | Geodesic Surveyor |
| 2165-14 | 21658 | Hydrographic Surveyor |
| 2165-15 | 21658 | Cadastral Surveyor |
| 2165-16 | 21658 | Marine Surveyor |
| 2165-17 | 21658 | Aerial Surveyor |
| 2165-18 | New | Land Surveyor |
| 2166 | | GRAPHIC AND MULTIMEDIA DESIGNERS |
| 2166-01 | 21661 | Designer, Grade B41 |
| 2166-02 | 21662 | Web Designer |
| 2166-03 | 21663 | Computer Graphics and Sound Artist |
| 2166-04 | 21665 | Graphic Designer |
| 2166-05 | 21665 | Typographical Designer |
| 2166-06 | New | Designer |
| 2166-07 | 34321 | Graphic Artist |
| 2166-08 | 34321 | Designer Artist |
| 2166-09 | New | Digital Artist |
| 2166-10 | New | Animator |
| 2166-11 | New | Illustrator |
| 2166-12 | New | Multimedia Designer |
| 2166-13 | New | Publication Designer |
| 2166-14 | 26515 | Computer Visualiser Artist |
| 2166-15 | New | Graphics Creator |
| 2166-16 | New | Group Lead Graphic Artist |
| 2166-17 | New | Virtual Environment Designer |
| 2166-18 | New | Creative Designer |
| 2166-19 | New | Design Architect |
| 2166-20 | New | Desktop Publishing Artist |
| 2166-21 | New | Graphics Illustrator |
| 2166-22 | New | Technical Illustrator |
| 2166-23 | New | Screenwriter |
| 2166-24 | New | Character Designer |
| 2166-25 | New | Multimedia Artist |
| 2166-26 | New | Video Game Artist |
| 2166-27 | New | Flash Animator |
| 2166-28 | New | Flash Designer |
| 2166-29 | New | Flash Developer |
| 2166-30 | New | Interface Designer |
| 2166-31 | New | Web Animator |
| 2166-32 | New | 2D Animator |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 2166-33 | New | 3D Artist |
| 2166-34 | New | Visualisation Specialist |
| 2166-35 | New | Computer Graphics (CG) Artist |
| 2166-36 | New | Layout Artist |
| 2171 | | SHIP ENGINEERS |
| 2171-01 | 21712 | Ship Engineer |
| 2171-02 | 21712 | Marine Engineer |
| 2171-03 | 21712 | Ship Construction Engineer |
| 2171-04 | 21714 | Hovercraft Architect |
| 2171-05 | 21714 | Naval Architect |
| 2171-06 | 21714 | Marine Architect |
| 2171-07 | 21737 | Flight Engineer |
| 2171-08 | 21737 | Aircraft Engineer |
| 2171-09 | 21737 | Aircraft Design Engineer |
| 2171-10 | 21737 | Aeronautical Engineer |
| 2172 | | SHIP DECK OFFICERS AND PILOTS |
| 2172-01 | 21727 | Marine Officer, Grade A41 |
| 2172-02 | 31524 | Assistant Marine Officer, Grade A29 |
| 2172-03 | 21721 | Ship Captain |
| 2172-04 | 21722 | Hovercraft Pilot |
| 2172-05 | 21722 | Ship Pilot |
| 2172-06 | 21723 | Port Captain |
| 2172-07 | 21723 | Harbour Master |
| 2172-08 | 21724 | Ship Navigator |
| 2172-09 | 21724 | Officer, Ship dan Deck |
| 2172-10 | 21725 | Ferry Captain |
| 2172-11 | 21726 | Marine Superintendent (Deck) |
| 2173 | | AIRCRAFT PILOTS AND RELATED PROFESSIONALS |
| 2173-01 | 21731 | Pilot/ Pilot Examiner, Grade A41 |
| 2173-02 | JPA | Aircraft Examiner, Grade A41 |
| 2173-03 | New | Assistant Aircraft Examiner, Grade A29 |
| 2173-04 | 21732 | Pilot |
| 2173-05 | 21733 | Flight Navigator |
| 2173-06 | 21734 | Flight Instructor |
| 2174 | | AIR TRAFFIC CONTROLLERS |
| 2174-01 | 21742 | Air Traffic Control Officer, Grade A41 |
| 2174-02 | 31512 | Assistant Air Traffic Control Officer, Grade A29 |
| 2174-03 | 21741 | Air Traffic Controller |
| 2175 | | TRAIN / LOCOMOTIVE CONTROLLERS |
| 2175-01 | 21751 | Railway and Locomotive Operation Officer |
| 2175-02 | 21751 | Railway and Locomotive Operation Controller |
| 2175-03 | 21752 | Permanent-Way Inspector (Railways) |
| 2179 | | TRANSPORT CONTROLLERS NOT ELSEWHERE CLASSIFIED |
| 2179-01 | 21791 | Load Sheet Officer |
| 2179-02 | 21792 | Shipping Executive |
| 2179-03 | New | Logistics Executive |
| 2179-04 | 21743 | Air Cargo Officer |
| 2181 | | MINING PROFESSIONALS |
| 2181-01 | 21812 | Mining Executive |
| 2182 | | MANUFACTURING PROFESSIONALS |
| 2182-01 | 21821 | Manufacturing Executive |
| 2182-02 | 21822 | Quality Assurance Executive |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 2182-03 | 25191 | Quality Assurance Analyst |
| 2182-04 | 21822 | Quality Control Executive |
| 2182-05 | 21823 | Production Executive |
| 2182-06 | 21824 | Warehouse Executive |
| 2182-07 | 21824 | Store Executive |
| 2182-08 | 21825 | Maintenance Executive |
| 2182-09 | 21826 | Log Officer |
| 2182-10 | New | Manufacturing Quality Control Executive |
| 2183 | | CONSTRUCTION PROFESSIONALS |
| 2183-01 | 21831 | Construction Executive |
| 2183-02 | 21832 | Project Executive |
| 2183-03 | New | Site Executive |
| 2211 | | GENERALIST MEDICAL PRACTITIONERS |
| 2211-01 | 22112 | Medical Officer, Grade UD41 |
| 2211-02 | JPA | Instructor, Grade U41 |
| 2211-03 | 32126 | Assistant Medical Officer, Grade U29 |
| 2211-04 | 22111 | Medical Doctor |
| 2211-05 | 22111 | Medical Officer |
| 2211-06 | 22111 | Medical Practitioner |
| 2211-07 | 22129 | Medical Doctor, Insurance Consultancy |
| 2211-08 | 22129 | Medical Doctor, Anaesthesiology |
| 2211-09 | 22129 | Medical Doctor, Gynaecology |
| 2211-10 | 22129 | Medical Doctor, Cardiology |
| 2211-11 | 22129 | Medical Doctor, Neurology |
| 2211-12 | 22129 | Medical Doctor, Obstetrics |
| 2211-13 | 22129 | Medical Doctor, Ophthalmology |
| 2211-14 | 22129 | Medical Doctor, Psychiatry |
| 2211-15 | 22129 | Medical Doctor, Radiology |
| 2211-16 | New | Family Medical Practitioner |
| 2211-17 | New | General Medical Practitioner |
| 2211-18 | New | Physician (General) |
| 2211-19 | 22655 | Health Officer |
| 2212 | | SPECIALIST MEDICAL PRACTITIONERS |
| 2212-01 | 22121 | Ear, Nose and Throat Specialist |
| 2212-02 | 22121 | Heart Specialist |
| 2212-03 | 22121 | Eye Specialist |
| 2212-04 | 22122 | Anaesthetist |
| 2212-05 | 22122 | Cardiac Anaesthetist |
| 2212-06 | 22123 | Medical Oncologist |
| 2212-07 | 22123 | Radiotherapy Oncologist |
| 2212-08 | 22124 | Psychiatrist |
| 2212-09 | 22125 | Ophthalmologist |
| 2212-10 | 22126 | Cardiologist |
| 2212-11 | 22128 | Neurologist |
| 2212-12 | 22127 | Gynaecologist |
| 2212-13 | 22129 | Obstetrician and Gynaecologist |
| 2212-14 | 22129 | Obstetrician and Gynaecologist, Fertility |
| 2212-15 | 22129 | Obstetrician and Gynaecologist, Oncology |
| 2212-16 | 22129 | Obstetrician and Gynaecologist, Foetomaternal Medicine |
| 2212-17 | 22129 | Surgeon |
| 2212-18 | 22129 | Surgeon, Hepatic |
| 2212-19 | 22129 | Surgeon, Cardiology |
| 2212-20 | 22129 | Surgeon, Cardiothoracic |
| 2212-21 | 22129 | Surgeon, Ophthalmology |
| 2212-22 | 22129 | Surgeon, Orthopaedic |
| 2212-23 | 22129 | Surgeon, Osteopathic |
| 2212-24 | 22129 | Surgeon, Paediatric |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 2212-25 | 22129 | Surgeon, Transplant |
| 2212-26 | 22129 | Surgeon, Plastic and Reconstructive |
| 2212-27 | 22129 | Surgeon, Neurosurgery |
| 2212-28 | 22129 | Surgeon, Ear, Nose and Throat |
| 2212-29 | 22129 | Surgeon, Thoracic |
| 2212-30 | 22129 | Surgeon, Traumatology |
| 2212-31 | 22129 | Surgeon, Urology |
| 2212-32 | 22129 | Surgeon, Vascular |
| 2212-33 | 22129 | Dermatologist |
| 2212-34 | 22129 | Orthopaedist |
| 2212-35 | 22129 | Otolaryngologist |
| 2212-36 | 22129 | Paediatrician |
| 2212-37 | 22129 | Paediatrician, Gastroenterology |
| 2212-38 | 22129 | Paediatrician, Haematology |
| 2212-39 | 22129 | Paediatrician, Cardiology |
| 2212-40 | 22129 | Paediatrician, Nephrology |
| 2212-41 | 22129 | Paediatrician, Neurology |
| 2212-42 | 22129 | Paediatrician, Oncology |
| 2212-43 | 22129 | Paediatrician, Respiratory |
| 2212-44 | 22129 | Physician |
| 2212-45 | 22129 | Physician, Dermatology |
| 2212-46 | 22129 | Physician, Endocrinology |
| 2212-47 | 22129 | Physician, Gastroenterology |
| 2212-48 | 22129 | Physician, Haematology |
| 2212-49 | 22129 | Physician, Cardiology |
| 2212-50 | 22129 | Physician, Nephrology |
| 2212-51 | 22129 | Physician, Neurology |
| 2212-52 | 22129 | Physician, Rheumatology |
| 2212-53 | 22129 | Physician, Family Medicine |
| 2212-54 | 22129 | Physician, Respiratory Medicine |
| 2212-55 | 22129 | Podiatrist |
| 2212-56 | 22129 | Prosthetist |
| 2212-57 | 22129 | Radiologist |
| 2212-58 | 22129 | Radiologist, Diagnostic |
| 2212-59 | 22129 | Radiologist, Interventional |
| 2212-60 | 22129 | Radiologist, Nuclear Medicine |
| 2212-61 | 22129 | Radiologist, Radiotherapy |
| 2212-62 | 22129 | Urologist |
| 2212-63 | 22129 | Venereologist |
| 2221 | | NURSING PROFESSIONALS |
| 2221-01 | 22212 | Nurse, Grade U41 |
| 2221-02 | New | Instructor (Health Science), Grade U41 |
| 2221-03 | 22211 | Professional Nurse |
| 2221-04 | New | Clinical Nurse |
| 2221-05 | New | District Nurse |
| 2221-06 | New | Nurse Anaesthetist |
| 2221-07 | New | Nurse Educator |
| 2221-08 | New | Nurse Practitioner |
| 2221-09 | New | Public Health Nurse |
| 2221-10 | New | Specialist Nurse |
| 2221-11 | 32211 | Nurse Instructor |
| 2221-12 | 32211 | Nurse |
| 2221-13 | 32211 | Sister |
| 2221-14 | 32211 | Nurse (Public Health) |
| 2221-15 | 32211 | Matron |
| 2221-16 | 32212 | Operation Theatre Nurse |
| 2221-17 | 32212 | Specialised Nurse |
| 2221-18 | 32212 | Orthopaedic Nurse |
| 2221-19 | 32212 | Paediatric Nurse |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 2221-20 | 32212 | Psychiatric Nurse |
| 2221-21 | 32213 | Occupational Health Nurse |
| 2221-22 | 32213 | Industrial Nurse |
| 2222 | | MIDWIFERY PROFESSIONALS |
| 2222-01 | 22221 | Professional Midwife |
| 2231 | | TRADITIONAL AND COMPLEMENTARY MEDICINE PROFESSIONALS |
| 2231-01 | 22301 | Professional Traditional Medical Practitioner |
| 2231-02 | 22302 | Traditional Medical Specialist |
| 2231-03 | 32305 | Acupuncturist |
| 2231-04 | 32306 | Homeopath |
| 2231-05 | 32307 | Naturopath |
| 2231-06 | New | Ayurvedic Practitioner |
| 2231-07 | New | Herbal Medicine Practitioner |
| 2241 | | PARAMEDICAL PRACTITIONERS |
| 2241-01 | 22401 | Paramedic |
| 2241-02 | New | Advanced Care Paramedic |
| 2241-03 | New | Clinical Officer (Paramedical) |
| 2241-04 | New | Feldscher |
| 2241-05 | New | Primary Care Paramedic |
| 2251 | | VETERINARIANS |
| 2251-01 | 22504 | Veterinary Officer, Grade G41 |
| 2251-02 | 32404 | Assistant Veterinary Officer, Grade G27 |
| 2251-03 | 22501 | Veterinarian |
| 2251-04 | 22501 | Veterinary Epidemiologist |
| 2251-05 | 22502 | Veterinary Surgeon |
| 2251-06 | 22503 | Public Health Veterinarian |
| 2251-07 | 22503 | Abattoir Veterinarian |
| 2261 | | DENTISTS |
| 2261-01 | 22617 | Dental Officer, Grade U41 |
| 2261-02 | 22618 | Instructor (Dental Nurse), Grade U41 |
| 2261-03 | 22619 | Instructor (Dental Technician), Grade U42 |
| 2261-04 | 22611 | Dentist |
| 2261-05 | 22612 | Dentist, Paedodontistry |
| 2261-06 | 22612 | Paedodontist |
| 2261-07 | 22613 | Dentist, Orthodontistry |
| 2261-08 | 22613 | Orthodontist |
| 2261-09 | 22614 | Dentist, Prosthodontistry |
| 2261-10 | 22614 | Prosthodontist |
| 2261-11 | 22615 | Dentist, Periodontistry |
| 2261-12 | 22615 | Periodontist |
| 2261-13 | 22616 | Dentist, Oral Surgery |
| 2261-14 | 22616 | Oral Dentistry Surgeon |
| 2261-15 | New | Stomatologist |
| 2261-16 | New | Dental Practitioner |
| 2261-17 | New | Dental Surgeon |
| 2261-18 | New | Endodontist |
| 2261-19 | New | Oral and Maxillofacial Surgeon |
| 2261-20 | New | Oral Pathologist |
| 2261-21 | 32141 | Dental Technologist, Grade U29 |
| 2262 | | PHARMACISTS |
| 2262-01 | 22625 | Pharmacy Officer, Grade U41 |
| 2262-02 | JPA | Assistant Pharmacy Officer, Grade U29 |
| 2262-03 | 22621 | Pharmacist |
| 2262-04 | 22622 | Industrial Pharmacist |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|--|---------------|---|
| 2262-05 | 22623 | Retail Pharmacist |
| 2262-06 | 22624 | Hospital Pharmacist |
| 2262-07 | New | Dispensing Chemist |
| 2262-08 | 53213 | Assistant Pharmacist |
| 2263 | | |
| ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND HYGIENE PROFESSIONALS | | |
| 2263-01 | 32572 | Assistant Environmental Health Officer/ Environmental Health Officer, Grade U29 |
| 2263-02 | New | Labour Affairs Officer - Occupational Safety and Health |
| 2263-03 | 22631 | Sanitarian |
| 2263-04 | New | Hazardous Waste Management Technologist |
| 2263-05 | New | Labour Standards Officer - Occupational Safety and Health |
| 2263-06 | 22631 | Occupational Safety and Health Officer |
| 2263-07 | New | Environmental Health Enforcement Officer |
| 2263-08 | New | Environmental Safety and Health Technologist |
| 2263-09 | New | Environmental Health Officer |
| 2263-10 | New | Environmental Officer |
| 2263-11 | New | Safety and Health Officer |
| 2263-12 | New | Safety and Health Technologist |
| 2263-13 | New | Industrial Health Officer |
| 2263-14 | New | Industrial Safety Officer - Occupational Safety and Health |
| 2263-15 | New | Occupational Safety and Health Officer |
| 2263-16 | New | Occupational Health Officer |
| 2263-17 | New | Occupational Hygiene Technologist |
| 2263-18 | New | Occupational Safety Officer |
| 2263-19 | New | Quarantine Officer - Public Health |
| 2263-20 | New | Occupational Safety and Health Adviser |
| 2263-21 | New | Occupational Hygienist |
| 2263-22 | New | Radiation Protection Expert |
| 2264 | | |
| PHYSIOTHERAPISTS | | |
| 2264-01 | 22113 | Medical Rehabilitation Officer, Grade U41 |
| 2264-02 | 22644 | Instructor (Physiotherapy), Grade U41 |
| 2264-03 | JPA | Physiotherapist, Grade U29 |
| 2264-04 | 22641 | Physiotherapist |
| 2264-05 | 22642 | Massage Therapist |
| 2264-06 | 22642 | Physical Therapist |
| 2264-07 | 22642 | Mascular Therapist |
| 2264-08 | 22642 | Physiotherapy Masseur |
| 2264-09 | 22642 | Therapeutic Masseur |
| 2264-10 | New | Health Therapist |
| 2264-11 | New | Geriatric Physical Therapist |
| 2264-12 | New | Paediatric Physical Therapist |
| 2264-13 | New | Orthopaedic Physical Therapist |
| 2265 | | |
| DIETICIANS AND NUTRITIONISTS | | |
| 2265-01 | 22656 | Dietetics Officer, Grade U41 |
| 2265-02 | 22651 | Dietician |
| 2265-03 | 22651 | Hospital Dietician |
| 2265-04 | 22651 | Public Health Dietician |
| 2265-05 | 22651 | Therapeutic Dietician |
| 2265-06 | 22652 | Nutritionist |
| 2265-07 | 22652 | Animal Nutritionist |
| 2265-08 | 22652 | Public Health Nutritionist |
| 2265-09 | 22652 | Research Nutritionist |
| 2265-10 | 22653 | Dietetic Consultant |
| 2265-11 | 22653 | Food Processing Consultant |
| 2265-12 | New | Clinical Dietician |
| 2265-13 | New | Food Serving Dietician |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 2266 | | AUDIOLOGISTS AND SPEECH THERAPISTS |
| 2266-01 | 22661 | Audiologist |
| 2266-02 | 22662 | Speech Therapist |
| 2266-03 | 22663 | Orthoepist |
| 2266-04 | 22663 | Orthophonist |
| 2266-05 | New | Language Therapist |
| 2266-06 | New | Speech Pathologist |
| 2267 | | OPTOMETRISTS AND OPHTHALMIC OPTICIANS |
| 2267-01 | 22673 | Optometry Officer, Gred U41 |
| 2267-02 | 22671 | Optometrist |
| 2267-03 | 22672 | Optician |
| 2267-04 | 22672 | Ophthalmic Optician |
| 2267-05 | 22672 | Orthoptist |
| 2268 | | OCCUPATIONAL THERAPISTS |
| 2268-01 | 22681 | Occupational Therapist |
| 2269 | | HEALTH PROFESSIONALS NOT ELSEWHERE CLASSIFIED |
| 2269-01 | 22691 | X-Ray Technician, Grade U41 |
| 2269-02 | 22692 | Instructor (X-Ray Technician), Grade U41 |
| 2269-03 | 22693 | Instructor (Medical Laboratory Technologist), Grade U41 |
| 2269-04 | 32124 | Medical Laboratory Technologist, Grade U29 |
| 2269-05 | 22662 | Orientation Therapist for the Blind |
| 2311 | | UNIVERSITY AND HIGHER EDUCATION TEACHING PROFESSIONAL |
| 2311-01 | 23105 | University Lecturer, Grade DS45 |
| 2311-02 | 23106 | Medical Lecturer, Grade DU45 |
| 2311-03 | 23107 | UiTM Lecturer, Grade DM41 |
| 2311-04 | 23108 | UiTM Assistant Lecturer, Grade DM29 |
| 2311-05 | 23109 | Dental Lecturer, Grade DUG45 |
| 2311-06 | 23304 | Higher Learning Education Service Officer, Grade DG41 |
| 2311-07 | 23413 | Assistant Higher Learning Education Service Officer, Grade DGA29 |
| 2311-08 | 23305 | Higher Learning Education Officer, Grade DH41 |
| 2311-09 | 23414 | Higher Learning Education Officer, Grade DH29 |
| 2311-10 | 23101 | Lecturer |
| 2311-11 | 23104 | Tutor |
| 2311-12 | New | Professor |
| 2321 | | VOCATIONAL EDUCATION TEACHERS |
| 2321-01 | 23201 | Teacher, Technical |
| 2321-02 | 23201 | Teacher, Vocational |
| 2331 | | SECONDARY EDUCATION TEACHERS |
| 2331-01 | 23303 | Graduate Education Service Officer, Grade DG41 |
| 2331-02 | 23301 | Secondary Education Teacher |
| 2331-03 | 23301 | Graduate Teacher Officer |
| 2331-04 | 23302 | Pre-University Teacher |
| 2341 | | PRIMARY SCHOOL TEACHERS |
| 2341-01 | 23412 | Post-Diploma Education Service Officer, Grade DGA29 |
| 2341-02 | 23411 | Primary School Teacher |
| 2342 | | EARLY CHILDHOOD EDUCATORS |
| 2342-01 | 23421 | Pre-Primary School Teacher |
| 2342-02 | 23421 | Kindergarten Teacher |
| 2342-03 | New | Pre-school Teacher |
| 2342-04 | New | Early Childhood Educator |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 2351 | | MUSIC TEACHERS |
| 2351-01 | 23511 | Music Teacher |
| 2351-02 | New | Singing Teacher |
| 2352 | | ARTS TEACHERS |
| 2352-01 | 23521 | Fine Arts Teacher |
| 2352-02 | New | Sculpture Teacher |
| 2352-03 | New | Painting Teacher |
| 2353 | | PERFORMING ARTS TEACHERS |
| 2353-01 | 23531 | Modelling Teacher |
| 2353-02 | New | Dance Teacher |
| 2353-03 | New | Drama Teacher |
| 2361 | | LANGUAGE TEACHERS |
| 2361-01 | 23601 | Language Teacher, Grade DG41 |
| 2361-02 | New | Intensive Language Teacher |
| 2361-03 | New | Migrant Education Teacher |
| 2361-04 | New | Practical Language Teacher |
| 2361-05 | New | Second Language Teacher |
| 2371 | | RELIGIOUS TEACHERS |
| 2371-01 | 23701 | Islamic Religious Teacher |
| 2371-02 | 23701 | <i>Ustaz / Ustazah</i> |
| 2371-03 | 23702 | Islamic Education Teacher |
| 2371-04 | New | Religious Education Teacher |
| 2381 | | VOCATIONAL TRAINING OFFICERS |
| 2381-01 | 23801 | Vocational Training Assistant/ Assistant Vocational Training Officer/ Vocational Training Officer, Grade J17 |
| 2381-02 | 23805 | Skill Training Trainer |
| 2391 | | EDUCATION METHOD SPECIALISTS |
| 2391-01 | 23993 | Curriculum Developer |
| 2391-02 | New | Education Method Specialist |
| 2391-03 | 23911 | School Inspector |
| 2391-04 | 23991 | Educational System Evaluator |
| 2391-05 | 23915 | Teaching Aid Specialist |
| 2391-06 | 23915 | Visual Teaching Aid Specialist |
| 2391-07 | 23915 | Audio-Visual Teaching Specialist |
| 2391-08 | 23991 | Educational System Researcher |
| 2391-09 | 23992 | Educational Method Adviser |
| 2391-10 | New | Curriculum Coordinator |
| 2392 | | SPECIAL NEEDS TEACHERS |
| 2392-01 | 23921 | Teacher, Special Education for the Deaf |
| 2392-02 | 23922 | Teacher, Special Education for the Dumb |
| 2392-03 | 23923 | Teacher, Special Education for the Blind |
| 2392-04 | 23924 | Teacher, Special Education for the Mentally Disabled |
| 2392-05 | 23925 | Teacher, Special Education for the Physically Disabled |
| 2392-06 | 23602 | Professional Remedial Teacher |
| 2392-07 | New | Learning Disability Special Education Teacher |
| 2392-08 | New | Learning Support Teacher |
| 2392-09 | New | Remedial Teacher |
| 2393 | | INFORMATION TECHNOLOGY TRAINERS |
| 2393-01 | 23931 | Satellite-Instruction Facilitator |
| 2393-02 | New | Computer Trainer |
| 2393-03 | New | Software Trainer |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 2399 | | TEACHING PROFESSIONALS NOT ELSEWHERE CLASSIFIED |
| 2399-01 | 23804 | Training Officer, Grade E41 |
| 2399-02 | 23807 | Assistant Training Officer, Grade E27 |
| 2399-03 | 24461 | <i>Kesatria</i> Officer, Grade S41 |
| 2399-04 | 33564 | Assistant <i>Kesatria</i> Officer, Grade S27 |
| 2399-05 | 23994 | Educational Counsellor |
| 2399-06 | 23995 | Vocational Student Counsellor |
| 2399-07 | 23601 | Teacher for the Exceptionally Intelligent |
| 2399-08 | 23912 | Teacher, Home Economics |
| 2399-09 | 23914 | Teacher, Adult Education |
| 2399-10 | New | School Counsellor |
| 2399-11 | New | Teacher, Tuition |
| 2411 | | ACCOUNTANTS |
| 2411-01 | 24112 | Accountant, Grade W41 |
| 2411-02 | 24115 | Executive Officer (Accounting), Grade 41 |
| 2411-03 | 33134 | Assistant Accountant, Grade W27 |
| 2411-04 | 33138 | Assistant Executive Officer (Accounting), Grade 31 |
| 2411-05 | MIDA | Executive Officer (Accounting), Grade 9 |
| 2411-06 | MIDA | Assistant Executive Officer (Accounting), Grade 6 |
| 2411-07 | SPAD | Executive Officer (Accounting), Grade L5 |
| 2411-08 | SPAD | Assistant Executive Officer (Accounting), Grade L8 |
| 2411-09 | 24113 | Auditing Accountant |
| 2411-10 | 24111 | Accountant |
| 2411-11 | 24113 | Cost Accountant |
| 2411-12 | 24114 | Tax Accountant |
| 2411-13 | 24114 | Tax Consultant |
| 2411-14 | 24115 | Liquidator |
| 2411-15 | 24116 | Public Accountant |
| 2411-16 | 24116 | Chartered Accountant |
| 2411-17 | 24116 | Group Accountant |
| 2411-18 | 24116 | Management Accountant |
| 2411-19 | 24116 | Municipal Accountant |
| 2411-20 | 24116 | Company Accountant |
| 2411-21 | 24116 | Account Executive |
| 2411-22 | 24119 | Bank Accounting Analyst |
| 2411-23 | 33122 | Cost Controller |
| 2411-24 | New | Certified Accountant |
| 2411-25 | 24132 | Financial Controller |
| 2411-26 | New | Account Receivable Executive |
| 2411-27 | New | Account Payable Executive |
| 2411-28 | 33135 | Assistant Account Executive Officer |
| 2411-29 | 33131 | Assistant Account Officer |
| 2411-30 | 24117 | Auditor, Grade W41 |
| 2411-31 | 24118 | Executive Officer (Audit), Grade 41 |
| 2411-32 | 33132 | Assistant Auditor, Grade W27 |
| 2411-33 | 33137 | Assistant Executive Officer (Audit), Grade 31 |
| 2411-34 | New | Assistant Executive Officer (Audit), Grade 6 |
| 2411-35 | 24113 | Auditor |
| 2411-36 | 24113 | Audit Executive |
| 2411-37 | 24113 | Audit and Risk Assessment Executive |
| 2411-38 | 33136 | Assistant Audit Executive Officer |
| 2411-39 | MIDA | Executive Officer (Audit), Grade 9 |
| 2411-40 | SPAD | Executive Officer (Audit), Grade L5 |
| 2411-41 | SPAD | Assistant Executive Officer (Audit), Grade L8 |
| 2411-42 | New | Payroll Analyst |
| 2411-43 | New | Payroll Executive |
| 2412 | | FINANCIAL AND INVESTMENT ADVISERS |
| 2412-01 | 24123 | Finance Officer, Grade W41 |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 2412-02 | New | Assistant Finance Officer, Grade W27 |
| 2412-03 | SPAD | Executive Officer (Finance), Grade L5 |
| 2412-04 | SPAD | Assistant Executive Officer (Finance), Grade L8 |
| 2412-05 | 24121 | Corporate Financial Adviser |
| 2412-06 | 24121 | Financial and Investment Adviser |
| 2412-07 | 24122 | E-Commerce Adviser |
| 2412-08 | 24124 | Finance Executive |
| 2412-09 | New | Bank Executive Officer |
| 2412-10 | 24133 | Financial Planner |
| 2412-11 | 33341 | Estate Planner |
| 2412-12 | 21833 | Property Executive |
| 2413 | | FINANCIAL ANALYSTS |
| 2413-01 | 24131 | Financial Analyst |
| 2413-02 | New | Bond Analyst |
| 2413-03 | New | Investment Consultant |
| 2413-04 | New | Risk Operation Analyst |
| 2421 | | MANAGEMENT AND ORGANISATION ANALYSTS |
| 2421-01 | 24214 | Evaluation Officer, Grade W41 |
| 2421-02 | 33154 | Assistant Valuation Officer, Grade W27 |
| 2421-03 | 24211 | Organisation and Method Analyst |
| 2421-04 | 24211 | Research and Information Analyst |
| 2421-05 | 24211 | Operation Research Analyst |
| 2421-06 | 24211 | Management Consultant |
| 2421-07 | New | Business Consultant |
| 2422 | | POLICY ADMINISTRATION PROFESSIONALS |
| 2422-01 | 24253 | Administrative and Diplomatic Officer, Grade M41 |
| 2422-02 | 24223 | Policy Analyst |
| 2422-03 | 24223 | Intelligence Officer |
| 2422-04 | 24224 | Policy Officer |
| 2422-05 | 24225 | Policy Executive |
| 2423 | | PERSONNEL AND CAREER PROFESSIONALS |
| 2423-01 | 24231 | Personnel Safety Officer |
| 2423-02 | 24231 | Personnel Officer |
| 2423-03 | 24231 | Human Resource Executive |
| 2423-04 | 24232 | Job Analyst |
| 2423-05 | 24232 | Occupational Analyst |
| 2423-06 | 24232 | Job Evaluator |
| 2423-07 | 24233 | Employment Counsellor |
| 2423-08 | 24233 | Occupational Guidance Officer |
| 2423-09 | 24233 | Career Adviser |
| 2423-10 | 24233 | Labour Management Relations Conciliator |
| 2423-11 | 24234 | Personnel Consultant |
| 2423-12 | New | Human Resource Expert |
| 2423-13 | New | Vocational Guidance Counsellor |
| 2423-14 | New | Industry Educator |
| 2423-15 | New | Training Consultant |
| 2423-16 | New | Human Resource Analyst |
| 2423-17 | New | Human Resource Coordinator |
| 2423-18 | New | Human Resource Consultant |
| 2423-19 | New | Talent Management Specialist |
| 2423-20 | New | Training Specialist |
| 2424 | | TRAINING AND STAFF DEVELOPMENT PROFESSIONALS |
| 2424-01 | 24241 | Staff Training Officer |
| 2424-02 | 24242 | Vocational Staff Training Officer |
| 2424-03 | New | Workforce Development Specialist |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 2425 | | ADMINISTRATIVE PROFESSIONALS |
| 2425-01 | 24256 | Administrative Officer, Grade N41 |
| 2425-02 | 24259 | Executive Officer (Administration), Grade 41 |
| 2425-03 | SPAD | Executive Officer (Administration), Grade L5 |
| 2425-04 | 33413 | Assistant Executive Officer (Administration), Grade 31 |
| 2425-05 | 33416 | Assistant Administrative Officer, Grade N27 |
| 2425-06 | New | Assistant Land Administrative Officer, Grade N27 |
| 2425-07 | New | Land Assistant Officer (Peninsula), NT27 |
| 2425-08 | 33415 | Assistant Land Officer (Sarawak), Grade NT27 |
| 2425-09 | 33415 | Assistant Land Administrative Officer (Sabah), Grade NT27 |
| 2425-10 | SPAD | Assistant Executive Officer (Administration), Grade L8 |
| 2425-11 | 33563 | Public Service Commission Officer |
| 2425-12 | 33434 | Government Executive Officer |
| 2425-13 | New | Government Administrative Executive |
| 2425-14 | 33435 | Statutory Body Executive Officer |
| 2425-15 | 24251 | Administrative Executive |
| 2425-16 | 24252 | College / University Registrar |
| 2425-17 | New | Administrative Officer |
| 2425-18 | New | Administration Executive Officer |
| 2425-19 | 24254 | Operation Executive |
| 2425-20 | New | Assistant Administration Executive Officer |
| 2426 | | RESEARCH AND DEVELOPMENT PROFESSIONALS |
| 2426-01 | 21317 | Research Officer, Grade Q41 |
| 2426-02 | 21319 | Scientific Officer, Grade C41 |
| 2426-03 | 31418 | Assistant Research Officer, Grade Q27 |
| 2426-04 | 24495 | Patent Inspector, Grade Q41 |
| 2426-05 | 31601 | Assistant Scientific Officer, Grade C27 |
| 2426-06 | New | Agro-Based Biotech Food Researcher |
| 2426-07 | New | Aquaculture Biotech Researcher |
| 2426-08 | New | Agriculture Biotech Researcher |
| 2426-09 | New | Veterinary Biotech Researcher |
| 2431 | | ADVERTISING AND MARKETING PROFESSIONALS |
| 2431-01 | 24311 | Advertising Account Executive |
| 2431-02 | 24312 | Market Research Business Analyst |
| 2431-03 | 24313 | Sales Promotion Officer |
| 2431-04 | 24314 | Business Efficiency Officer |
| 2431-05 | 24315 | Business Consultant |
| 2431-06 | 24222 | Patent Agent |
| 2431-07 | New | Market Research Analyst |
| 2431-08 | New | Sales Specialist |
| 2431-09 | New | Business Compliance Executive |
| 2432 | | PUBLIC RELATIONS PROFESSIONALS |
| 2432-01 | 24325 | Information Officer, Grade S41 |
| 2432-02 | 34124 | Assistant Information Officer, Grade S27 |
| 2432-03 | New | Public Relations Officer |
| 2432-04 | 24321 | Corporate Affairs Executive |
| 2432-05 | 24321 | Industrial Relations Executive |
| 2432-06 | 24321 | Public Relations Executive |
| 2432-07 | 24321 | Customer Service Executive |
| 2432-08 | 24322 | Publicity Agent |
| 2432-09 | 24323 | Corporate Communications Executive |
| 2432-10 | 24323 | Press Officer |
| 2432-11 | 24323 | Press Liaison Officer |
| 2432-12 | 24323 | Media Planner |
| 2432-13 | 24323 | Tourism Officer |
| 2432-14 | New | Customer Service Officer |
| 2432-15 | New | Customer Care Coordinator |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 2432-16 | New | Customer Relations Executive |
| 2432-17 | New | Sales Reservation Executive |
| 2432-18 | New | Call Centre Officer |
| 2432-19 | 42266 | Front Office Officer |
| 2433 | | TECHNICAL AND MEDICAL SALES PROFESSIONALS (EXCLUDING ICT) |
| 2433-01 | 24331 | Sales Representative, Medical |
| 2433-02 | 24332 | Sales Representative, Medical Devices |
| 2433-03 | 24332 | Sales Representative, Medical Hardware |
| 2433-04 | 24333 | Sales Representative, Active Implantable Devices |
| 2433-05 | 24334 | Sales Representative, Anaesthetic and Respiratory Devices |
| 2433-06 | 24335 | Sales Representative, Dental Devices |
| 2433-07 | 24336 | Sales Representative, Electromechanical Medical Devices |
| 2433-08 | 24337 | Sales Representative, Ophthalmic and Optical Devices |
| 2433-09 | New | Sales Representative, Industrial Product |
| 2433-10 | New | Sales Representative, Medical and Pharmaceutical Product |
| 2433-11 | New | Technical Sales Representative |
| 2434 | | INFORMATION AND COMMUNICATIONS TECHNOLOGY (ICT) SALES PROFESSIONALS |
| 2434-01 | 24341 | Sales Representative, Information and Communications Technology |
| 2434-02 | 24342 | Sales Representative, Computer |
| 2434-03 | New | Product Support Engineer |
| 2434-04 | 33227 | Information Technology Sales Engineer |
| 2434-05 | New | Customer Support Representative |
| 2434-06 | New | Product Engineer |
| 2434-07 | New | Product Support Officer |
| 2434-08 | 33227 | ICT Sales Application Engineer |
| 2434-09 | New | Product Development Engineer |
| 2511 | | SYSTEMS ANALYSTS |
| 2511-01 | 25111 | Communications Computer Analyst |
| 2511-02 | 25111 | Electronic Data Processing Analyst |
| 2511-03 | 25111 | Management Information System (MIS) Analyst |
| 2511-04 | 25111 | Computer System Analyst |
| 2511-05 | 25111 | Computer Consultant |
| 2511-06 | 25111 | IT System Consultant |
| 2511-07 | 25111 | Information Technology Consultant |
| 2511-08 | 25112 | Information Technology Business Analyst |
| 2511-09 | 25147 | Information Technology Researcher |
| 2511-10 | 21664 | Computer System Designer |
| 2511-11 | New | Information Technology System Designer |
| 2511-12 | New | Computer Scientist |
| 2511-13 | 35122 | Assistant Computer System Analyst |
| 2511-14 | New | RPG System Analyst |
| 2511-15 | New | C++ Software Analyst |
| 2511-16 | New | Oracle Database Analyst |
| 2511-17 | New | Structured Query Language (SQL) Database Analyst |
| 2511-18 | New | Information Technology Security Analyst |
| 2511-19 | New | .NetProgrammer Analyst |
| 2511-20 | New | Enterprise Resource Planning (ERP) Programmer Analyst (ABAP) |
| 2511-21 | New | .Net Consultant |
| 2511-22 | New | .NetApplication Consultant |
| 2511-23 | New | Information Technology Consultant (.Net) |
| 2511-24 | New | Information Technology Specialist (.Net) |
| 2511-25 | New | Technical Specialist (.Net) |
| 2511-26 | New | Java Consultant |
| 2511-27 | New | Java Application Consultant |
| 2511-28 | New | Java Programmer Analyst |
| 2511-29 | New | Information Technology Consultant (Java) |
| 2511-30 | New | Information Technology Specialist(Java) |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|----------------------------|---------------|---|
| 2511-31 | New | Technical Specialist (Java) |
| 2511-32 | New | Information Technology System Analyst (JDE) |
| 2511-33 | New | JD Edwards (JDE) Application Specialist |
| 2511-34 | New | Information Technology Specialist (Lotus Notes) |
| 2511-35 | New | Application Specialist Support (Navision) |
| 2511-36 | New | Technical Writer |
| 2511-37 | New | Data Centre Specialist |
| 2511-38 | New | Oracle Applications Administrator |
| 2511-39 | New | Oracle E-Business Suite Consultant |
| 2511-40 | New | Oracle Financials Support Specialist |
| 2511-41 | New | Oracle Functional Consultant |
| 2511-42 | New | System Engineer (Oracle) |
| 2511-43 | New | Oracle Consultant |
| 2511-44 | New | Peoplesoft Consultant (IT) |
| 2511-45 | New | Peoplesoft Financials Functional Consultant |
| 2511-46 | New | Enterprise Systems Specialist (IT) |
| 2511-47 | New | Enterprise Resource Planning (ERP) Technical Specialist (IT) |
| 2511-48 | New | Information Technology Specialist (SAP) |
| 2511-49 | New | Sharepoint Consultant (IT) |
| 2511-50 | New | Sharepoint Technical Specialist (IT) |
| 2511-51 | New | Sharepoint Specialist (IT) |
| 2511-52 | New | Siebel Specialist (IT) |
| 2511-53 | New | Information Technology Application Management Analyst (Siebel) |
| 2511-54 | New | Information Technology Specialist(Siebel) (IT) |
| 2511-55 | New | Siebel Customer Relationship Management (CRM) Consultant (IT) |
| 2511-56 | New | Security Analyst (IT) |
| 2511-57 | New | Register Transfer Level (RTL) Designer (IT) |
| 2511-58 | New | Analogue Integrated Circuit (IC) Designer (IT) |
| 2511-59 | New | Design Engineer (IT) |
| 2511-60 | New | Integrated Circuit (IC) Designer (IT) |
| 2511-61 | New | Logic Designer (IT) |
| 2511-62 | New | Mixed Signal Integrated Circuit (IC) Designer (IT) |
| 2511-63 | New | Power Integrated Circuit(IC) Designer (IT) |
| 2511-64 | New | Radio Frequency (RF) Integrated Circuit (IC) Design Engineer (IT) |
| 2512 | | |
| SOFTWARE DEVELOPERS | | |
| 2512-01 | 25121 | Software Developer |
| 2512-02 | 25121 | Multi-Media Software Developer |
| 2512-03 | 25123 | Software Designer |
| 2512-04 | New | Design Engineer |
| 2512-05 | New | .Net Developer |
| 2512-06 | New | Application Developer (.Net) |
| 2512-07 | New | Application Engineer (.Net) |
| 2512-08 | New | Software Engineer (.Net) |
| 2512-09 | New | C/C++ Developer |
| 2512-10 | New | C/C++ Software Engineer |
| 2512-11 | New | Cobol Developer |
| 2512-12 | New | Microfocus Cobol Developer |
| 2512-13 | New | Java Application Developer |
| 2512-14 | New | Java Developer |
| 2512-15 | New | Hypertext Preprocessor (PHP) Developer |
| 2512-16 | New | Web Programmer (PHP) |
| 2512-17 | New | Information Technology Executive (RPG) |
| 2512-18 | New | Lotus Notes Developer (IT) |
| 2512-19 | New | System Architect (IT) |
| 2512-20 | New | Technical Architect (IT) |
| 2512-21 | New | Navision Developer (IT) |
| 2512-22 | New | Net Sharepoint Developer (IT) |
| 2512-23 | New | Software Engineer (Sharepoint) (IT) |
| 2512-24 | New | Siebel Developer (IT) |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 2513 | | WEB AND MULTIMEDIA DEVELOPERS |
| 2513-01 | 25131 | Website Developer |
| 2513-02 | 25131 | Internet/ Intranet Developer |
| 2513-03 | 25132 | Website Architect |
| 2513-04 | 35142 | Webmaster |
| 2513-05 | 35143 | Website Administrator |
| 2514 | | APPLICATION PROGRAMMERS |
| 2514-01 | 25141 | Computer Programmer |
| 2514-02 | 25141 | Software Programmer |
| 2514-03 | 25141 | Technical Programmer |
| 2514-04 | 25141 | Information Technology Programmer |
| 2514-05 | 25142 | Communication Programmer |
| 2514-06 | 25143 | Database Programmer |
| 2514-07 | 25144 | System Programmer |
| 2514-08 | 25145 | Analyst Programmer |
| 2514-09 | 25145 | Application Programmer |
| 2514-10 | New | .NetAnalyst Programmer |
| 2514-11 | New | Lotus Notes Programmer |
| 2514-12 | New | Video Game Programmer |
| 2514-13 | New | Network Programmer |
| 2514-14 | New | Sound Programmer |
| 2514-15 | New | Artificial Intelligence Programmer |
| 2514-16 | New | Analogue Integrated Circuit (IC) Design Verification Engineer |
| 2514-17 | New | .Net Programmer |
| 2514-18 | New | Software Programmer (.Net) |
| 2514-19 | New | C/C++ Programmer |
| 2514-20 | New | C++ Graphics Programmer |
| 2514-21 | New | Cobol Programmer |
| 2514-22 | New | Java Programmer |
| 2514-23 | New | J2EE Programmer |
| 2514-24 | New | J2ME Programmer |
| 2514-25 | New | Java EE Programmer |
| 2514-26 | New | Hypertext Preprocessor (PHP) |
| 2514-27 | New | Animation Programmer |
| 2514-28 | New | Computer Game Programmer |
| 2514-29 | 25146 | Multimedia Programmer |
| 2514-30 | New | Navision Analyst Programmer |
| 2514-31 | New | Java Analyst Programmer |
| 2519 | | SOFTWARE AND APPLICATION DEVELOPERS AND ANALYSTS NOT ELSEWHERE CLASSIFIED |
| 2519-01 | 25192 | Software Tester |
| 2519-02 | 25193 | Systems Tester |
| 2519-03 | New | Product Quality Assurance Engineer (IT) |
| 2519-04 | New | QA Analyst (IT) |
| 2519-05 | New | QA Executive (IT) |
| 2519-06 | New | Quality Engineer (IT) |
| 2519-07 | New | Test Engineer (IT) |
| 2519-08 | New | Solution Architect (IT) |
| 2519-09 | New | Application Assurance Engineer (IT) |
| 2519-10 | New | Application Security Engineer (IT) |
| 2519-11 | New | Software QA Engineer (IT) |
| 2519-12 | New | Siebel Solution Architect |
| 2519-13 | New | Siebel Technical Architect |
| 2521 | | DATABASE DESIGNERS AND ADMINISTRATORS |
| 2521-01 | 25211 | Database Architect |
| 2521-02 | 25211 | Database Analyst |
| 2521-03 | 25211 | Database Administrator |
| 2521-04 | 25211 | Database Designer |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 2521-05 | 25212 | Computer Auditor |
| 2521-06 | 25213 | Administrator, Electronic Data Processing (PDE) |
| 2521-07 | New | Oracle Database Engineer |
| 2521-08 | New | Oracle Database Specialist |
| 2521-09 | New | Structured Query Language (SQL) Database Administrator |
| 2521-10 | New | Structured Query Language (SQL) Database Engineer |
| 2521-11 | New | Structured Query Language (SQL) Database Specialist |
| 2522 | | INFORMATION TECHNOLOGY SYSTEM ADMINISTRATORS |
| 2522-01 | 25222 | Information Technology Officer, Grade F41 |
| 2522-02 | 25224 | Executive Officer (Information Technology), Grade 41 |
| 2522-03 | 35123 | Assistant Information Technology Officer, Grade F29 |
| 2522-04 | 35116 | Assistant Executive Officer (Information Technology), Grade 31 |
| 2522-05 | MIDA | Executive Officer (Information Technology), Grade 9 |
| 2522-06 | MIDA | Assistant Executive Officer (Information Technology), Grade 6 |
| 2522-07 | SPAD | Executive Officer (Information Technology), Grade L5 |
| 2522-08 | SPAD | Assistant Executive Officer (Information Technology), Grade L8 |
| 2522-09 | New | Information System Officer |
| 2522-10 | 25221 | Network Communications Executive |
| 2522-11 | 25221 | Information System Officer |
| 2522-12 | 25221 | Information Technology Support Officer |
| 2522-13 | 25221 | System Administrator |
| 2522-14 | 25221 | Computer System Administrator |
| 2522-15 | 25222 | Information Technology Executive |
| 2522-16 | New | Project Coordinator (IT) |
| 2522-17 | New | Project Administrator (IT) |
| 2522-18 | New | Computer Support Engineer |
| 2522-19 | New | System Engineer (IT) |
| 2522-20 | New | Technical Specialist (IT) |
| 2522-21 | New | SAP Application Administrator |
| 2522-22 | New | Access Administration Analyst |
| 2522-23 | New | Inbound Technical Support Representative |
| 2522-24 | 35121 | Assistant Information Technology Officer |
| 2522-25 | 25232 | NetApps Administrator |
| 2523 | | COMPUTER NETWORK PROFESSIONALS |
| 2523-01 | 25231 | Network Analyst |
| 2523-02 | 25233 | Network Service Consultant |
| 2523-03 | 25234 | Network Administrator |
| 2523-04 | 25235 | Network Infrastructure Administrator |
| 2523-05 | New | Network Engineer |
| 2523-06 | New | Network System Engineer |
| 2529 | | DATABASE AND NETWORK PROFESSIONALS NOT ELSEWHERE CLASSIFIED |
| 2529-01 | 25291 | Information and Communications Technology Security Executive |
| 2529-02 | New | Cyber Security Executive |
| 2529-03 | New | Digital Forensic Specialist |
| 2529-04 | New | Security Specialist (IT) |
| 2611 | | LAWYERS |
| 2611-01 | New | Legal Officer, Grade L41 |
| 2611-02 | 26112 | Prosecutor, Grade L41 |
| 2611-03 | 26113 | Solicitor, Grade L41 |
| 2611-04 | 26114 | Legal Adviser, Grade L41 |
| 2611-05 | 26115 | Legal Drafter, Grade L41 |
| 2611-06 | 26116 | Legal Aid Bureau Officer, Grade L41 |
| 2611-07 | 26117 | Advocate, Grade L41 |
| 2611-08 | 26119 | Executive Officer (Legal), Grade 41 |
| 2611-09 | 26122 | Shariah Officer, Grade LS41 |
| 2611-10 | New | Assistant Legal Officer, Grade L29 |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 2611-11 | 34112 | Assistant Shariah Officer, Grade LS27 |
| 2611-12 | 34117 | Assistant Executive Officer (Legal), Grade 31 |
| 2611-13 | MIDA | Executive Officer (Legal), Grade 9 |
| 2611-14 | MIDA | Assistant Executive Officer (Legal), Grade 6 |
| 2611-15 | SPAD | Executive Officer (Legal), Grade L5 |
| 2611-16 | SPAD | Assistant Executive Officer (Legal), Grade L8 |
| 2611-17 | 26111 | Federal Counsel, Government Service |
| 2611-18 | 26111 | Legal Adviser |
| 2611-19 | 26111 | Prosecutor |
| 2611-20 | 26111 | Lawyer |
| 2611-21 | 26111 | Legal Executive |
| 2611-22 | 26111 | Lawyer, Shariah |
| 2611-23 | 26111 | Lawyer, Criminal |
| 2611-24 | 26111 | Lawyer, Litigation |
| 2611-25 | 26111 | Lawyer, Conveyancing |
| 2611-26 | 26111 | Lawyer, Civil |
| 2611-27 | 26111 | Advocate |
| 2611-28 | 26111 | Solicitor |
| 2611-29 | 26111 | Barrister |
| 2611-30 | New | Assistant, Legal |
| 2612 | | JUDGES |
| 2612-01 | New | Judge |
| 2612-02 | 26123 | Magistrate |
| 2612-03 | 26121 | Judge, Native Court |
| 2612-04 | 26121 | Judge, Federal Court |
| 2612-05 | 26121 | Judge, Sessions Court |
| 2612-06 | 26121 | Judge, High Court |
| 2612-07 | New | Judge, Shariah Court |
| 2612-08 | 26124 | Judge, Industrial Court |
| 2619 | | LEGAL PROFESSIONALS NOT ELSEWHERE CLASSIFIED |
| 2619-01 | 26191 | Notary |
| 2619-02 | 26191 | Commissioner for Oaths |
| 2619-03 | 26192 | Registrar of Court |
| 2619-04 | 26193 | Trust Officer |
| 2619-05 | 26193 | Public Trustee |
| 2619-06 | 26195 | Official Assignee |
| 2619-07 | 26196 | Bankruptcy Officer |
| 2619-08 | 26197 | Coroner |
| 2619-09 | 26197 | Court Receiver and Liquidator |
| 2619-10 | 26198 | Handwriting Expert |
| 2619-11 | 26198 | Parliamentary Drafter |
| 2619-12 | 26198 | Insurance Claim Arbitrator |
| 2619-13 | 26198 | Appeals Referee, Social Security Claims |
| 2619-14 | New | Jurist (except lawyer or judge) |
| 2711 | | HOTEL PROFESSIONALS |
| 2711-01 | 27114 | Guest Service Officer |
| 2711-02 | 27115 | Hotel Operations Executive |
| 2711-03 | 27112 | Guest, Food and Beverage Service Executive |
| 2711-04 | New | Hotel Concierge Executive |
| 2711-05 | New | Guest Service Executive |
| 2711-06 | 14113 | Front Desk Executive |
| 2712 | | RESTAURANT PROFESSIONALS |
| 2712-01 | 27116 | Food Preparation Officer, Grade C41 |
| 2712-02 | New | Food Preparation Executive |
| 2712-03 | 27117 | Kitchen Administrator |
| 2712-04 | 27113 | Food and Beverage Personnel |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 2712-05 | 27111 | Food and Beverage Executive |
| 2712-06 | 27111 | Food and Beverage Administrator |
| 2712-07 | 27112 | Food and Beverage Captain |
| 2712-08 | 27112 | Food and Beverage Coordinator |
| 2811 | | ARCHIVISTS AND CURATORS |
| 2811-01 | 26214 | Archive Officer, Grade S41 |
| 2811-02 | 26215 | Curator, Grade S41 |
| 2811-03 | 34331 | Assistant Archive Officer, Grade S27 |
| 2811-04 | 34332 | Assistant Curator, Grade S27 |
| 2811-05 | 26211 | Archivist |
| 2811-06 | 26211 | Curator |
| 2811-07 | 26212 | Museum Curator |
| 2811-08 | 26213 | Art Gallery Curator |
| 2812 | | LIBRARIANS AND RELATED INFORMATION PROFESSIONALS |
| 2812-01 | 26227 | Librarian, Grade S41 |
| 2812-02 | 26224 | Executive Officer (Library), Grade 41 |
| 2812-03 | 34333 | Assistant Librarian, Grade S27 |
| 2812-04 | 34336 | Assistant Executive Officer (Library), Grade 31 |
| 2812-05 | MIDA | Executive Officer (Library), Grade 9 |
| 2812-06 | MIDA | Assistant Executive Officer (Library), Grade 6 |
| 2812-07 | 34335 | Assistant Library Executive |
| 2812-08 | 26221 | Library Executive |
| 2812-09 | 26221 | Librarian |
| 2812-10 | 26224 | Bibliographer |
| 2812-11 | 26223 | Librarian, Audio-Visual |
| 2812-12 | 26223 | Librarian, Film |
| 2812-13 | 26225 | Documentalist |
| 2812-14 | 26225 | Cataloguer |
| 2812-15 | 26226 | Information Scientist, Technical Information |
| 2812-16 | 26226 | Information Scientist, Business Services |
| 2821 | | ECONOMISTS |
| 2821-01 | 26312 | Economic Affairs Officer, Grade E41 |
| 2821-02 | 34127 | Assistant Economic Affairs Officer, Grade E27 |
| 2821-03 | MIDA | Executive Officer (Economics), Grade 9 |
| 2821-04 | MIDA | Assistant Executive Officer (Economics), Grade 6 |
| 2821-05 | 26311 | Econometrician |
| 2821-06 | 26311 | Economist |
| 2821-07 | 26311 | Economist, Econometrics |
| 2821-08 | New | Economics Adviser |
| 2821-09 | New | Economics Analyst |
| 2821-10 | New | Labour Economist |
| 2821-11 | 26355 | Home Economist |
| 2822 | | SOCIOLOGISTS, ANTHROPOLOGISTS AND RELATED PROFESSIONALS |
| 2822-01 | 26327 | Social Research Officer, Grade N41 |
| 2822-02 | 34125 | Assistant Social Research Officer, Grade N27 |
| 2822-03 | 26321 | Sociologist |
| 2822-04 | 26322 | Anthropologist |
| 2822-05 | 26323 | Archaeologist |
| 2822-06 | 26324 | Geographer |
| 2822-07 | 26325 | Penologist |
| 2822-08 | 26325 | Criminologist |
| 2822-09 | 26326 | Ethnologist |
| 2823 | | PHILOSOPHERS, HISTORIANS AND POLITICAL SCIENTISTS |
| 2823-01 | 26331 | Philosopher |
| 2823-02 | 26331 | Political Philosopher |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 2823-03 | 26332 | Historian |
| 2823-04 | 26333 | Political Scientist |
| 2823-05 | New | Genealogist |
| 2824 | | PSYCHOLOGISTS |
| 2824-01 | 26342 | Psychology Officer, Grade S41 |
| 2824-02 | 26343 | Executive Officer (Psychology), Grade 41 |
| 2824-03 | 34123 | Assistant Psychology Officer, Grade S27 |
| 2824-04 | 34129 | Assistant Executive Officer (Psychology), Grade 31 |
| 2824-05 | 26341 | Psychologist |
| 2824-06 | New | Clinical Psychologist |
| 2824-07 | New | Educational Psychologist |
| 2824-08 | New | Organisational Psychologist |
| 2824-09 | New | Psychotherapist |
| 2824-10 | New | Sports Psychologist |
| 2825 | | SOCIAL WORK AND COUNSELLING PROFESSIONALS |
| 2825-01 | 26353 | Community Development Officer, Grade S41 |
| 2825-02 | 34122 | Assistant Community Development Officer, Grade S27 |
| 2825-03 | 26351 | Social Worker, Professional |
| 2825-04 | 26352 | Counsellor |
| 2825-05 | 26354 | Marriage Counsellor |
| 2825-06 | New | Addiction Counsellor |
| 2825-07 | New | Bereavement Counsellor |
| 2825-08 | New | Child and Youth Counsellor |
| 2825-09 | New | Family Counsellor |
| 2825-10 | New | Parole Officer |
| 2825-11 | New | Probation Officer |
| 2825-12 | New | Women's Welfare Organiser |
| 2826 | | RELIGIOUS PROFESSIONALS |
| 2826-01 | 26126 | Islamic Affairs Officer, Grade S41 |
| 2826-02 | 34113 | Assistant Islamic Affairs Officer, Grade S27 |
| 2826-03 | 26361 | Religious Officer |
| 2826-04 | 26362 | <i>Mufti</i> |
| 2826-05 | 26363 | <i>Imam</i> |
| 2826-06 | 26364 | <i>Kadhi</i> |
| 2826-07 | 26365 | Priest, Church |
| 2826-08 | 26366 | Priest, Temple |
| 2826-09 | New | Religious Professionals |
| 2831 | | AUTHORS AND RELATED WRITERS |
| 2831-01 | 26411 | Author |
| 2831-02 | 26411 | Biographer |
| 2831-03 | 26411 | Novelist |
| 2831-04 | 26412 | Playwright |
| 2831-05 | 26412 | Essayist |
| 2831-06 | 26412 | Humorist |
| 2831-07 | 26412 | Versifier |
| 2831-08 | 26412 | Critic |
| 2831-09 | 26412 | Writer, Comedy |
| 2831-10 | 26412 | Poet |
| 2831-11 | 26413 | Copywriter, Advertising |
| 2831-12 | 26414 | Lyricist |
| 2831-13 | 26414 | Fiction Writer |
| 2831-14 | 26414 | Song Writer |
| 2831-15 | 26414 | Publicity Writer |
| 2831-16 | 26414 | Script Writer |
| 2831-17 | 26414 | Technical Writer |
| 2831-18 | 26415 | Editor |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 2831-19 | 26415 | Book Editor |
| 2831-20 | 26416 | Proofreader |
| 2831-21 | New | Interactive Media Writer |
| 2831-22 | New | Speech Writer |
| 2832 | | JOURNALISTS |
| 2832-01 | 26423 | Journalist, Grade S41 |
| 2832-02 | 26544 | Publications Officer, Grade N41 |
| 2832-03 | 41207 | Reporter/Journalist Assistant, Grade S17 |
| 2832-04 | 34334 | Assistant Publications Officer, Grade N27 |
| 2832-05 | 26421 | News Reporter |
| 2832-06 | 26421 | Columnist |
| 2832-07 | 26421 | Journalist |
| 2832-08 | 26422 | Political Editor |
| 2832-09 | 26422 | Radio and Television News Broadcasting Editor |
| 2832-10 | New | Copy Editor |
| 2832-11 | New | Newspaper Editor |
| 2832-12 | New | Newspaper Reporter |
| 2832-13 | New | Sports Writer |
| 2832-14 | New | Sub Editor |
| 2832-15 | New | Television / Radio News Reporter |
| 2832-16 | 26542 | Press Editor |
| 2832-17 | New | Court Reporter |
| 2833 | | TRANSLATORS, INTERPRETERS AND OTHER LINGUISTS |
| 2833-01 | 26435 | Interpreter, Grade L17 |
| 2833-02 | 26436 | Simultaneous Interpreter, Grade N41 |
| 2833-03 | 26431 | Translator |
| 2833-04 | 26432 | Interpreter |
| 2833-05 | 26433 | Philologist |
| 2833-06 | 26433 | Lexicographer |
| 2833-07 | New | Sign Language Interpreter |
| 2833-08 | New | Subtitled |
| 2833-09 | New | Translator-Reviser |
| 2841 | | VISUAL ARTISTS |
| 2841-01 | 26511 | Sculptor |
| 2841-02 | 26512 | Cartoonist |
| 2841-03 | 26514 | Painting Restorer |
| 2841-04 | 26514 | Fine Art Engraver-Etcher |
| 2841-05 | 26515 | Artist |
| 2841-06 | 26515 | Landscape Artist |
| 2841-07 | 26515 | Paint Artist |
| 2841-08 | New | Ceramic Artist |
| 2841-09 | New | Commercial Artist |
| 2841-10 | New | Picture Restorer |
| 2841-11 | New | Portrait Painter |
| 2842 | | MUSICIANS, SINGERS AND COMPOSERS |
| 2842-01 | 26525 | Musician, Grade B41 |
| 2842-02 | 26521 | Musicologist |
| 2842-03 | 26521 | Instrumentalist |
| 2842-04 | 26522 | Adiguru - Ancient Malay Dance-Theatre |
| 2842-05 | 26522 | Adiguru - Shadow Puppet Theatre |
| 2842-06 | 26522 | Musician |
| 2842-07 | 26522 | Orchestrator |
| 2842-08 | 26522 | Band Leader |
| 2842-09 | 26522 | Music Director |
| 2842-10 | 26522 | Music Composer |
| 2842-11 | 26522 | Music Arranger |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 2842-12 | 26523 | Vocal Group Conductor |
| 2842-13 | 26523 | Orchestra Conductor |
| 2842-14 | 26523 | Band Conductor |
| 2842-15 | 26524 | Singer |
| 2842-16 | New | Music Conductor |
| 2843 | | DANCERS AND CHOREOGRAPHERS |
| 2843-01 | 34353 | Cultural Artist, Grade B32 |
| 2843-02 | 26531 | Dancer |
| 2843-03 | 26531 | Dancer, Night Club |
| 2843-04 | 26532 | Choreographer |
| 2843-05 | 26533 | Dance Director |
| 2843-06 | 26534 | Dance Arranger |
| 2843-07 | 26534 | Dance Instructor |
| 2844 | | FILM, STAGE AND RELATED DIRECTORS AND PRODUCERS |
| 2844-01 | 24326 | Cultural Officer, Grade B41 |
| 2844-02 | 26546 | Producer, Grade B41 |
| 2844-03 | New | Animation Producer |
| 2844-04 | New | Multimedia Producer |
| 2844-05 | 26541 | Motion Picture Director |
| 2844-06 | 26541 | Motion Picture Photography Director |
| 2844-07 | 26541 | Stage Director |
| 2844-08 | 26541 | Radio and Television Broadcasting Director |
| 2844-09 | 26541 | Radio and Television Director |
| 2844-10 | 26541 | Theatre Director |
| 2844-11 | 26541 | Director, Motion Picture |
| 2844-12 | 26542 | Film and Video Editor |
| 2844-13 | 26543 | Stage Producer |
| 2844-14 | 26543 | Theatre Producer |
| 2844-15 | 26543 | Producer, Television |
| 2844-16 | New | Documentary Director |
| 2844-17 | New | Director of Photography |
| 2844-18 | New | Television or Radio Technical Director |
| 2845 | | ACTORS |
| 2845-01 | 26551 | Actor |
| 2845-02 | 26551 | Impersonator |
| 2845-03 | 26552 | Story Teller |
| 2845-04 | 26552 | Story Teller, Radio / Television |
| 2845-05 | New | Mime Artist |
| 2846 | | ANNOUNCERS ON RADIO, TELEVISION AND OTHER MEDIA |
| 2846-01 | 26561 | Disk Jockey (DJ) |
| 2846-02 | 26561 | Radio Announcer |
| 2846-03 | 26561 | Television Announcer |
| 2846-04 | 26561 | Master Of Ceremonies |
| 2846-05 | 26561 | Compere |
| 2846-06 | 26562 | Newscaster |
| 2846-07 | 26562 | Commentator |
| 2846-08 | 26562 | Interviewer, Media |
| 2846-09 | 26563 | Presentation Support Assistant |
| 2846-10 | 26563 | Programme Preparer |
| 2846-11 | New | News Anchor |
| 2846-12 | New | Sports Announcer |
| 2847 | | CLOWNS, MAGICIANS, ACROBATS AND RELATED PROFESSIONALS |
| 2847-01 | 26571 | Acrobat |
| 2847-02 | 26572 | Contortionist |
| 2847-03 | 26573 | Magician |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 2847-04 | 26574 | Clown |
| 2847-05 | 26574 | Mimic |
| 2847-06 | 26574 | Ventriloquist |
| 2847-07 | 26575 | Aerialist Trapeze Performer |
| 2847-08 | 26575 | Snake Charmer |
| 2847-09 | 26575 | Circus Performer, Animal |
| 2847-10 | 26575 | Juggler |
| 2847-11 | New | Puppeteer |
| 2847-12 | New | Stand-up Comedian |
| 2848 | | ANIMAL KEEPERS AND TRAINERS |
| 2848-01 | 26581 | Trainer in Zoo, Bird and Aquatic Parks |
| 2848-02 | 26582 | Trainer in Crocodile Farm |
| 2848-03 | 26583 | Dog Trainer |
| 2848-04 | 26584 | Horse Trainer |
| 2849 | | CREATIVE AND PERFORMING ARTISTS NOT ELSEWHERE CLASSIFIED |
| 2849-01 | 26591 | Photographer, Grade B37 |
| 2911 | | PROFESSIONAL CUSTOMS AND BORDER INSPECTOR |
| 2911-01 | 24411 | Superintendent of Customs, Grade W41 |
| 2911-02 | 24412 | Assistant Superintendent of Immigration / Superintendent of Immigration, Grade KP27 |
| 2911-03 | 33513 | Assistant Superintendent of Customs, Grade W27 |
| 2912 | | PROFESSIONAL TAXATION AND EXCISE OFFICIALS |
| 2912-01 | 24217 | Executive Officer (Appraisal), Grade 41 |
| 2912-02 | 33156 | Assistant Executive Officer (Appraisal), Grade 31 |
| 2912-03 | 24218 | Appraisal Executive Officer |
| 2912-04 | 24219 | Valuation Officer |
| 2912-05 | New | Excise Officer |
| 2912-06 | New | Tax Officer |
| 2913 | | PROFESSIONAL GOVERNMENT SOCIAL BENEFIT OFFICIALS |
| 2913-01 | 33531 | Social Benefits Officer |
| 2913-02 | 33532 | Social Security Claims Officer |
| 2913-03 | New | Pensions Officer |
| 2913-04 | New | SOCSO Officer |
| 2914 | | PROFESSIONAL GOVERNMENT LICENSING OFFICIALS |
| 2914-01 | 24494 | Enforcement Officer, Grade N41 |
| 2914-02 | 33594 | Assistant Enforcement Officer, Grade N27 |
| 2914-03 | SPAD | Executive Officer (Enforcement), Grade L5 |
| 2914-04 | SPAD | Assistant Executive Officer (Enforcement), Grade L8 |
| 2914-05 | 33541 | Licensing Officer |
| 2914-06 | 33541 | Passport Issuing Officer |
| 2914-07 | New | Building Permit (Licensing) Officer |
| 2914-08 | New | Business Permit (Licensing) Officer |
| 2915 | | PROFESSIONAL POLICE INSPECTORS AND DETECTIVES |
| 2915-01 | 24452 | Senior Police Officer (Inspector), Grade YA13 |
| 2916 | | PROFESSIONAL CIVIL DEFENCE OFFICIALS |
| 2916-01 | 24463 | Civil Defence Officer, Grade KP41 |
| 2916-02 | 33567 | Assistant Civil Defence Officer, Grade KP27 |
| 2916-03 | 24462 | Civil Defence Officer |
| 2919 | | REGULATORY GOVERNMENT PROFESSIONALS NOT ELSEWHERE CLASSIFIED |
| 2919-01 | 24492 | Security Officer, Grade KP41 |
| 2919-02 | 24498 | Executive Officer (Security), Grade 41 |
| 2919-03 | 24491 | Fire Superintendent, Grade KB41 |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 2919-04 | 24493 | Superintendent of Prison, Grade KX41 |
| 2919-05 | 24497 | Assistant Registration Officer/Registration Officer, Grade KP27 |
| 2919-06 | JPA | Assistant Investigation Officer/Investigation Officer, Grade P29 |
| 2919-07 | 26194 | Anti-Drug Officer, Grade S41 |
| 2919-08 | 24324 | Industrial Relations Officer, Grade S41 |
| 2919-09 | 33599 | Malaysian Anti-Corruption Commission Investigating Officer, Grade P41 |
| 2919-10 | 24496 | Maritime Enforcement Officer, Grade X13 |
| 2919-11 | 33598 | Assistant Security Officer, Grade KP27 |
| 2919-12 | 33593 | Assistant Prison Superintendent, Grade KX27 |
| 2919-13 | 33597 | Assistant Fire Superintendent, Grade KB29 |
| 2919-14 | 34114 | Assistant Anti-Drug Officer, Grade S27 |
| 2919-15 | 34126 | Assistant Industrial Relations Officer, Grade S27 |
| 2919-16 | 33596 | Assistant Executive Officer (Security), Grade 31 |
| 2919-17 | 26434 | Language Planning Officer, Grade S41 |
| 2919-18 | 26437 | Assistant Language Planning Officer, Grade S27 |

3**TECHNICIANS AND ASSOCIATE PROFESSIONALS****3111****CHEMICAL AND PHYSICAL SCIENCE TECHNICIANS**

| | | |
|---------|-------|--|
| 3111-01 | 31114 | Laboratory Assistant, Grade C17 |
| 3111-02 | 31177 | Geological Assistant, Grade C17 |
| 3111-03 | 31115 | Meteorological Assistant, Grade C17 |
| 3111-04 | 31419 | Research Assistant, Grade Q17 |
| 3111-05 | 35216 | Film Laboratory Assistant, Grade C17 |
| 3111-06 | 31111 | Physics Technician |
| 3111-07 | 31111 | Geophysics Technician |
| 3111-08 | 31111 | Chemistry Technician |
| 3111-09 | 31111 | Physical Science Laboratory Technician |
| 3111-10 | 31111 | Physical Science Technician |
| 3111-11 | 31111 | Physics Laboratory Assistant |
| 3111-12 | 31111 | Chemistry Laboratory Assistant |
| 3111-13 | 31111 | Physical Science Laboratory Assistant |
| 3111-14 | 31114 | Soil Technician |
| 3111-15 | 31114 | Soil Laboratory Assistant |
| 3111-16 | 31115 | Meteorological Technician |
| 3111-17 | 31115 | Meteorological Assistant |
| 3111-18 | 31116 | Geological Technician |
| 3111-19 | 31116 | Geological Laboratory Assistant |
| 3111-20 | 31117 | Field Laboratory Research Conductor |
| 3111-21 | 31119 | Astronomy Technician |
| 3111-22 | 31119 | Oceanography Technician |
| 3111-23 | New | Laboratory Assistant |
| 3111-24 | New | Aerological Technician |
| 3111-25 | New | Avalanche Controller |
| 3111-26 | New | Climate Data Processor |
| 3111-27 | New | Climate Service Technician |
| 3111-28 | New | Meteorological Inspector |
| 3111-29 | New | Officer-in-charge, Weather station |
| 3111-30 | New | Operations Technician, Weather Station |
| 3111-31 | New | Surface Weather Observer |

3112**CIVIL ENGINEERING TECHNICIANS**

| | | |
|---------|-------|---------------------------------------|
| 3112-01 | New | Technician, Grade J17 |
| 3112-02 | 31124 | Technician (Civil), Grade J17 |
| 3112-03 | 31125 | Technician (Architectural), Grade J17 |
| 3112-04 | 31121 | Industrial Instrument Technician |
| 3112-05 | 31121 | Civil Engineering Technician |
| 3112-06 | 31121 | Civil Engineering Assistant |
| 3112-07 | 31121 | Civil Engineering Estimator |
| 3112-08 | 31121 | Clerk-of-Work |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|--|---------------|---|
| 3112-09 | New | Technician |
| 3112-10 | 31191 | Surveying Technical Assistant |
| 3112-11 | 31191 | Surveying Assistant |
| 3112-12 | 31191 | Engineering Designer |
| 3112-13 | 31191 | Civil Engineering Supervisor |
| 3112-14 | 31191 | Tunnel Boring Machine Technician |
| 3112-15 | 33591 | Building Inspector |
| 3112-16 | New | Geotechnical Technician |
| 3112-17 | New | Fire Inspector |
| 3112-18 | New | Surveying Technician |
| 3113 | | |
| ELECTRICAL ENGINEERING TECHNICIANS | | |
| 3113-01 | 31136 | Technician (Electrical), J17 |
| 3113-02 | 31131 | Electrical Engineering Technician |
| 3113-03 | 31131 | Wire Cutting Technician |
| 3113-04 | 31132 | High Voltage Electrical Engineering Technician |
| 3113-05 | 31131 | Electrical Engineering Assistant |
| 3113-06 | 31131 | Electrical Technical Assistant |
| 3113-07 | 31131 | Electrical Supervisor |
| 3113-08 | 31131 | Electrical and Instrument Supervisor |
| 3113-09 | 31132 | Electrical High Voltage System Engineering Assistant |
| 3113-10 | 31133 | Electrical Electric Power Transmission Engineering Technician |
| 3113-11 | 31134 | Electrical Engineering Estimator |
| 3113-12 | 31137 | Auto Electrical Technician |
| 3114 | | |
| ELECTRONICS ENGINEERING TECHNICIANS | | |
| 3114-01 | 31144 | Technician (Electronics), J17 |
| 3114-02 | 31141 | Electronics Engineering Technician |
| 3114-03 | 31191 | CAD/CAM Technician |
| 3114-04 | 31142 | Electronics Engineering Estimator |
| 3114-05 | 31141 | Electronics Engineering Assistant |
| 3115 | | |
| MECHANICAL ENGINEERING TECHNICIANS | | |
| 3115-01 | 31153 | Technician (Mechanical), Grade J17 |
| 3115-02 | New | Technician (Automotive), Grade J17 |
| 3115-03 | 31151 | Aerospace (Mechanical) Engineering Technician |
| 3115-04 | 31151 | Aeronautical Engineering Technician |
| 3115-05 | 31151 | Automobile Engineering Technician |
| 3115-06 | 31151 | Mechanical Engineering Technician |
| 3115-07 | 31151 | Mechanical Engineering Technician, Industrial Machinery and Tools |
| 3115-08 | 31151 | Mechanical Engineering Technician, Motors and Engines |
| 3115-09 | 31151 | Mechanical Engineering Technician, Lubrication |
| 3115-10 | 31151 | Mechanical Engineering Technician, Instruments |
| 3115-11 | 31151 | Mechanical Engineering Technician, Agriculture |
| 3115-12 | 31151 | Refrigeration and Air-Conditioning System Engineering Technician |
| 3115-13 | 31151 | Rotary Technician |
| 3115-14 | 31151 | Aeronautical (Mechanical) and Equipment Engineering Assistant |
| 3115-15 | 31151 | Automobile Engineering Assistant |
| 3115-16 | 31151 | Mechanical Engineering Assistant |
| 3115-17 | 31151 | Mechanical Engineering Estimator |
| 3115-18 | 31154 | Dockmaster, Dry Dock |
| 3115-19 | 31154 | Dockmaster, Graving Dock |
| 3115-20 | 31155 | Marine Engineering Technician |
| 3115-21 | 31155 | Marine Engineering Assistant |
| 3115-22 | 31156 | Mechanical Engineering Technician, Ship Construction |
| 3115-23 | 31158 | Hydraulic Hose Technician |
| 3115-24 | 31158 | Test Technician (Mechanical) |
| 3115-25 | 31191 | Robotic Automation Technician |
| 3115-26 | 31191 | Mechatronics Technician |
| 3115-27 | New | Machinery Technician |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 3115-29 | New | Aeronautics Engineering Technician |
| 3116 | | CHEMICAL ENGINEERING TECHNICIANS |
| 3116-01 | 31161 | Chemical Engineering Technician |
| 3116-02 | 31161 | Chemical Process Engineering Technician |
| 3116-03 | 31162 | Petroleum Engineering Technician |
| 3116-04 | 31162 | Oil Technologist |
| 3116-05 | 31162 | Chemical Engineering Technician (Petroleum) |
| 3116-06 | 31162 | Petroleum Refining Technician |
| 3116-07 | 31162 | Petroleum Refining Laboratory Assistant |
| 3116-08 | 31163 | Petroleum and Natural Gas Analyst |
| 3116-09 | 31164 | Chemical Engineering Estimator |
| 3116-10 | 31161 | Chemical Engineering Assistant |
| 3117 | | MINING AND METALLURGICAL TECHNICIANS |
| 3117-01 | 31176 | Mines Assistant, Grade C17 |
| 3117-02 | 31171 | Metallurgical Technician |
| 3117-03 | 31171 | Extractive Metallurgical Technician |
| 3117-04 | 31174 | Petroleum and Natural Gas Extraction Technician |
| 3117-05 | 31171 | Metallurgical Laboratory Assistant |
| 3117-06 | 31172 | Metallurgy Assay Technician |
| 3117-07 | 31172 | Physical Metallurgy Technician |
| 3117-08 | 31172 | Foundry Metallurgy Technician |
| 3117-09 | 31172 | Radioactive Mineral Metallurgy Technician |
| 3117-10 | 31172 | Physical Metallurgy Assistant |
| 3117-11 | 31173 | Mining Engineering Technician |
| 3117-12 | 31173 | Mining Assistant |
| 3117-13 | 31174 | Oil and Gas Well Explosive Technician |
| 3117-14 | 31174 | Petroleum and Natural Gas Extraction Assistant |
| 3117-15 | 31174 | Oil and Gas Well Acidiser |
| 3117-16 | 31174 | Well Acidising Treater |
| 3117-17 | New | Fuel Pump Technician |
| 3117-18 | 31212 | Coal Mine Technician |
| 3117-19 | 31177 | Block Boring Technician |
| 3117-20 | New | Mines Inspector |
| 3117-21 | 31171 | Extractive Metallurgical Assistant |
| 3118 | | DRAUGHTSPERSONS |
| 3118-01 | 31182 | Draughtsperson, Grade J17 |
| 3118-02 | 31183 | Landscape Technician, Grade J17 |
| 3118-03 | 31186 | Town and Country Planning Technician, Grade J17 |
| 3118-04 | 31181 | Draughting Technician |
| 3118-05 | 31181 | Draughtsperson |
| 3118-06 | 31181 | Draughtsperson, Die |
| 3118-07 | 31181 | Draughtsperson, Geological |
| 3118-08 | 31181 | Draughtsperson, Illustration Technique |
| 3118-09 | 31181 | Draughtsperson, Jig & Tool |
| 3118-10 | 31181 | Draughtsperson, Cartographical |
| 3118-11 | 31181 | Draughtsperson, Aeronautical Engineering |
| 3118-12 | 31181 | Draughtsperson, Civil Engineering |
| 3118-13 | 31181 | Draughtsperson, Electrical Engineering |
| 3118-14 | 31181 | Draughtsperson, Electronics Engineering |
| 3118-15 | 31181 | Draughtsperson, Marine Engineering |
| 3118-16 | 31181 | Draughtsperson, Mechanical Engineering |
| 3118-17 | 31181 | Draughtsperson, Heating and Ventilation System Engineering |
| 3118-18 | 31181 | Draughtsperson, Lithographic |
| 3118-19 | 31181 | Draughtsperson, Mining |
| 3118-20 | 31181 | Draughtsperson, Architectural |
| 3118-21 | 31181 | Draughtsperson, Structural |
| 3118-22 | 31181 | Draughtsperson, Technical |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 3118-23 | 31181 | Draughtsperson, Topographical |
| 3118-24 | 31181 | Tracer |
| 3118-25 | 31189 | Engineering Illustrator |
| 3119 | | PHYSICAL AND ENGINEERING SCIENCE TECHNICIANS NOT ELSEWHERE CLASSIFIED |
| 3119-01 | 31198 | Surveying Technician, Grade J17 |
| 3119-02 | 31197 | Quantity Surveying Technician, Grade J17 |
| 3119-03 | New | Irrigation Inspector, Grade J17 |
| 3119-04 | 34115 | Water Supply Superintendent, Grade J17 |
| 3119-05 | 32577 | Motor Vehicle Examiner, Grade A17 |
| 3119-06 | 32577 | Factory and Machinery Inspector Assistant, Grade J17 |
| 3119-07 | 31191 | Quantity Surveying Technician |
| 3119-08 | 31191 | Method Engineering Technician |
| 3119-09 | 31191 | Engineering Technician, Work Study |
| 3119-10 | 31191 | Engineering Technician, Time and Motion Study |
| 3119-11 | 31191 | Engineering Technician, Industrial |
| 3119-12 | 31191 | Engineering Technician, Safety |
| 3119-13 | 31191 | Engineering Technician, Value |
| 3119-14 | 31191 | Engineering Technician, Production |
| 3119-15 | 31191 | Engineering Technician, Planning |
| 3119-16 | 31191 | Engineering Technician, Systems |
| 3119-17 | 31191 | Engineering Technician, Industrial Layout |
| 3119-18 | 31191 | Engineering Assistant, Production |
| 3119-19 | 31192 | Process Technician |
| 3119-20 | New | Robotics Technician |
| 3119-21 | New | Forensic Science Technician |
| 3119-22 | New | Engineering Technician (Production) |
| 3119-23 | New | Fire Investigator |
| 3119-24 | 31223 | Maintenance Technician |
| 3119-25 | 31224 | Warehouse Technician |
| 3119-26 | 31224 | Material Store Technician |
| 3119-27 | 31228 | Quality Control Technician |
| 3119-28 | 31222 | Cutting Technician |
| 3119-29 | 31225 | Log Yard Technician |
| 3121 | | MINING SUPERVISORS |
| 3121-01 | 31211 | Mine Supervisor |
| 3121-02 | New | Quarry Supervisor |
| 3122 | | MANUFACTURING SUPERVISORS |
| 3122-01 | 31224 | Manufacturing Supervisor |
| 3122-02 | 31224 | Production Supervisor |
| 3122-03 | 31222 | Finishing Supervisor |
| 3122-04 | 31222 | Packaging Supervisor |
| 3122-05 | 31221 | Compounding Supervisor |
| 3122-06 | 31222 | Finished Goods Supervisor |
| 3122-07 | 31222 | Cutting Supervisor |
| 3122-08 | 31225 | Sawmill Supervisor |
| 3122-09 | 31225 | Plywood Inspection Supervisor |
| 3122-10 | 31225 | Sawyer Supervisor |
| 3122-11 | 31226 | Chief Hookman Supervisor |
| 3122-12 | 31228 | Log Yard Supervisor |
| 3122-13 | New | Area Coordinator, Manufacturing |
| 3122-14 | New | Quality Control Inspector |
| 3122-15 | 31228 | Quality Control Supervisor |
| 3122-16 | New | Quality Controller |
| 3122-17 | 82191 | Quality Checker Tester |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 3123 | | CONSTRUCTION SUPERVISORS |
| 3123-01 | 31231 | Operation Supervisor |
| 3123-02 | 31231 | Project Supervisor |
| 3123-03 | 31232 | Construction Supervisor |
| 3123-04 | 31232 | Site Supervisor |
| 3129 | | OTHER SUPERVISORS NOT ELSEWHERE CLASSIFIED |
| 3129-01 | 41108 | Land Scheme Supervisor, Grade G17 |
| 3129-02 | 31291 | Environmental Supervisor |
| 3129-03 | 31292 | Facilities Supervisor |
| 3129-04 | 31293 | Supervisor |
| 3129-05 | 31294 | Logistic Supervisor |
| 3129-06 | 31224 | Store Supervisor |
| 3129-07 | 31224 | Shift Supervisor |
| 3129-08 | 31223 | Maintenance Supervisor |
| 3131 | | POWER PRODUCTION PLANT OPERATORS |
| 3131-01 | 31311 | Electric Power Load Dispatcher |
| 3131-02 | 31312 | Electrical Switchboard Operator |
| 3131-03 | 31313 | Hydroelectric Station Operator |
| 3131-04 | 31314 | Power Generating Plant Operator |
| 3131-05 | 31315 | Turbine Operator |
| 3131-06 | 31316 | Powerhouse Fabricator |
| 3131-07 | New | Electric Power Plant Operator |
| 3131-08 | New | Hydroelectric Power Plant Operator |
| 3131-09 | New | Nuclear Power Plant Operator |
| 3131-10 | New | Solar Power Plant Operator |
| 3131-11 | New | Distribution Control Operator |
| 3131-12 | New | Generating Station Operator |
| 3131-13 | New | Power System Operator |
| 3132 | | INCINERATOR AND WATER TREATMENT PLANT OPERATORS |
| 3132-01 | 31321 | Stationary Engine Operator |
| 3132-02 | 31322 | Compressor Operator |
| 3132-03 | 31322 | Gas Compressor Operator |
| 3132-04 | 31323 | Incinerator Plant Operator |
| 3132-05 | 31324 | Pumping Station Operator |
| 3132-06 | 31325 | Heating and Ventilation Equipment Operator |
| 3132-07 | 31326 | Refrigeration System Operator |
| 3132-08 | 31328 | Sewage Plant Operator |
| 3132-09 | 31328 | Water Treatment Plant Operator |
| 3132-10 | 31329 | Machine Operator, Ice Production |
| 3132-11 | 31329 | Hopper Operator |
| 3132-12 | New | Incinerator Operator |
| 3132-13 | New | Liquid Waste Process Operator |
| 3132-14 | New | Waste Water Operator |
| 3133 | | CHEMICAL PROCESSING PLANT CONTROLLERS |
| 3133-01 | New | Chemical Process Technician |
| 3133-02 | 31331 | Chemical Plant Supervisor |
| 3133-03 | New | Chemical-Heat-Treating Plant Operator |
| 3133-04 | New | Chemical-Filtering and Separating Equipment Operator |
| 3133-05 | New | Chemical-Still and Reactor Operator |
| 3134 | | PETROLEUM AND NATURAL GAS REFINING PLANT OPERATORS |
| 3134-01 | 31341 | Pumpman (Petroleum Refining) |
| 3134-02 | 31342 | Stillman (Petroleum Refining) |
| 3134-03 | 31343 | Controlman (Petroleum Refining) |
| 3134-04 | 31344 | Desulphuriser Operator, Petroleum Refining |
| 3134-05 | 31344 | Acetylene Plant Operator |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 3134-06 | 31344 | Gas Plant Operator |
| 3134-07 | 31344 | Chlorine Plant Operator |
| 3134-08 | 31344 | Oxygen Plant Operator |
| 3134-09 | 31345 | Paraffin Plant Operator |
| 3134-10 | 31346 | Petroleum Refining Blender |
| 3134-11 | 31347 | Petroleum and Natural Gas Refining Treater Operator |
| 3134-12 | 31348 | Petroleum and Natural Gas Pumping Station Operator |
| 3134-13 | 31349 | Gas Liquefaction Plant Operator |
| 3134-14 | 31349 | Cylinder Filler and Tester (Compressed and Liquefied Gases) |
| 3134-15 | New | Operator, Blender/Petroleum and Natural Gas Refining (ethyl) |
| 3134-16 | New | Operator, Still/Petroleum and Natural Gas Refining |
| 3134-17 | New | Refinery Process Technician |
| 3134-18 | New | Petroleum Process Operator |
| 3134-19 | 31227 | Boiler Operator Supervisor |
| 3135 | | METAL PRODUCTION PROCESS CONTROLLERS |
| 3135-01 | 31351 | Rolling Mill Metal Manipulator |
| 3135-02 | 31351 | Guide Setter, Metal |
| 3135-03 | New | Metal Processing Control Operator |
| 3135-04 | New | Blast Furnace Operator |
| 3135-05 | New | Central Control Caster |
| 3135-06 | New | Rolling Mill Control Operator |
| 3139 | | PROCESS CONTROL TECHNICIANS NOT ELSEWHERE CLASSIFIED |
| 3139-01 | 31391 | Food Processing Technician |
| 3139-02 | 31341 | Pumpman |
| 3139-03 | 31342 | Stillman |
| 3139-04 | 31343 | Controlman |
| 3139-05 | 31344 | Crankshaft Grinding Technician |
| 3139-06 | New | Automated Assembly Line Operator |
| 3139-07 | New | Industrial Robot Controller |
| 3139-08 | New | Paper Pulp Refinery Operator |
| 3139-09 | New | Agro-Based Food Biotech Research Technician |
| 3139-10 | New | Aquaculture Biotech Research Technician |
| 3141 | | LIFE SCIENCE TECHNICIANS (EXCLUDING MEDICAL) |
| 3141-01 | 31411 | Biological Technician |
| 3141-02 | 31412 | Entomological Technician |
| 3141-03 | 32122 | Tissue Culture Technician |
| 3141-04 | 31413 | Botanical Technician |
| 3141-05 | 31413 | Botanical Assistant |
| 3141-06 | 31413 | Botanical Research Laboratory Assistant |
| 3141-07 | 31414 | Artificial Breeding Technician |
| 3141-08 | 31414 | Artificial Breeding Research Laboratory Assistant |
| 3141-09 | 31415 | Zoological Technician |
| 3141-10 | 31415 | Zoological Research Laboratory Assistant |
| 3141-11 | 31416 | Taxidermist |
| 3141-12 | 31416 | Research Assistant |
| 3141-13 | 32121 | Bacteriology Technician |
| 3141-14 | 32121 | Biochemistry Technician |
| 3141-15 | New | Herbarium Technician |
| 3141-16 | 32121 | Pharmacology Technician |
| 3141-17 | 32122 | Serology Technician |
| 3141-18 | 31412 | Entomological Assistant |
| 3142 | | AGRICULTURAL AND POULTRY TECHNICIANS |
| 3142-01 | 31427 | Agricultural Assistant, Grade G17 |
| 3142-02 | 54198 | Wildlife Assistant, Grade G17 |
| 3142-03 | 54193 | Park/Estate Assistant, Grade G17 |
| 3142-04 | 31421 | Agronomy Technician |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---|---------------|---|
| 3142-05 | 31422 | Crop Research Technician |
| 3142-06 | 31423 | Soil Science Technician |
| 3142-07 | 31424 | Floriculture Technician |
| 3142-08 | 31424 | Horticulture Technician |
| 3142-09 | 31424 | Olericulture Technician |
| 3142-10 | 31424 | Pomology Technician |
| 3142-11 | 31424 | Plant Nursery Technician |
| 3142-12 | 61113 | Irrigator |
| 3142-13 | New | Dairy Technician |
| 3142-14 | New | Field Crop Technical Officer |
| 3142-15 | New | Herd Tester |
| 3142-16 | New | Horticultural Technical Officer |
| 3142-17 | New | Poultry Technical Officer |
| 3143 FORESTRY TECHNICIANS | | |
| 3143-01 | 62114 | Forest Ranger, Grade G17 |
| 3143-02 | 62116 | Logging Instructor, Grade G17 |
| 3143-03 | 31431 | Arboriculture Technician |
| 3143-04 | 31431 | Forestry Technician |
| 3143-05 | 31431 | Silviculture Technician |
| 3144 FISHERY TECHNICIANS | | |
| 3144-01 | 61236 | Fisheries Assistant, Grade G17 |
| 3144-02 | 31442 | Hatchery Technician |
| 3144-03 | 31442 | Hatchery Supervisor |
| 3144-04 | 31443 | Fishery Technician |
| 3144-05 | 31442 | Hatchery Assistant |
| 3151 AIRCRAFT TECHNICIANS | | |
| 3151-01 | 43238 | Air Traffic Control Assistant, Grade A17 |
| 3151-02 | 31511 | Air Traffic Safety Technician |
| 3151-03 | New | Aircraft Technician |
| 3151-04 | New | Aviation Maintenance Technician |
| 3151-05 | New | Aircraft Service Technician |
| 3151-06 | New | Aircraft Maintenance Technician (Airframes) |
| 3151-07 | New | Aircraft Maintenance Technician (Engines) |
| 3151-08 | New | Aircraft Restorer |
| 3151-09 | New | Airframe and Power Plant Technician |
| 3151-10 | New | Airframe Technician |
| 3151-11 | New | Helicopter Technician |
| 3151-12 | New | Jet Engine Technician |
| 3151-13 | New | Pneudraulic System Technician (Aircraft) |
| 3151-14 | New | Power Plant Technician (Aircraft) |
| 3151-15 | New | Rocket Engine Component Technician |
| 3152 SHIP / MARINE TECHNICIANS | | |
| 3152-01 | New | Marine Assistant, Grade A17 |
| 3152-02 | 31521 | Berthing Master |
| 3152-03 | 31522 | Yacht Skipper |
| 3152-04 | 31523 | Cargo Ship Traffic Supervisor |
| 3152-05 | 31525 | Marine Engine Technician |
| 3152-06 | New | Ship Technician |
| 3153 TRAIN/ LOCOMOTIVE TECHNICIANS | | |
| 3153-01 | New | Train Technician |
| 3153-02 | 31532 | Railway Supervisor |
| 3153-03 | 31532 | Locomotive Supervisor |
| 3153-04 | 31532 | Light Rail Transit Supervisor |
| 3153-05 | 31533 | Railway Inspector |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 3154 | | MOTOR VEHICLE TECHNICIANS |
| 3154-01 | New | Motor Vehicle Technician |
| 3154-02 | New | Motor Vehicle Engine and Fuel System Technician |
| 3154-03 | New | Motor Vehicle Mechatronics Technician |
| 3154-04 | New | Automotive Brake System Technician |
| 3154-05 | New | Vehicle Body Frame Technician |
| 3159 | | TRANSPORT TECHNICIANS NOT ELSEWHERE CLASSIFIED |
| 3159-01 | 31591 | Road Transport Supervisor |
| 3161 | | NUCLEAR RESEARCH AND DEVELOPMENT ASSOCIATE PROFESSIONALS |
| 3161-01 | New | Nuclear Technician |
| 3211 | | MEDICAL IMAGING AND THERAPEUTIC EQUIPMENT TECHNICIANS |
| 3211-01 | 32111 | X-ray Technician, Grade U29 |
| 3211-02 | 32112 | X-ray Technician |
| 3211-03 | New | Radiology Technician |
| 3211-04 | New | Diagnostic Medical Radiographer |
| 3211-05 | New | Mammographer |
| 3211-06 | New | Medical Radiation Therapist |
| 3211-07 | New | Nuclear Medicine Technologist |
| 3211-08 | New | Sonographer |
| 3212 | | MEDICAL AND PATHOLOGY LABORATORY TECHNICIANS |
| 3212-01 | 32125 | Medical Technician, Grade U19 |
| 3212-02 | 32121 | Anatomy Technician |
| 3212-03 | 32121 | Blood Bank Technician |
| 3212-04 | 32121 | Biophysics Technician |
| 3212-05 | 32121 | Ecology Technician |
| 3212-06 | 32121 | Genetics Technician |
| 3212-07 | 32121 | Haematology Technician |
| 3212-08 | 32121 | Histology Technician |
| 3212-09 | 32121 | Cytology Technician |
| 3212-10 | 32122 | Physiology Technician |
| 3212-11 | 32122 | Pathology Technician |
| 3212-12 | 32122 | Medical Science Technician |
| 3212-13 | 32123 | Parasitology Assistant |
| 3212-14 | New | Medical Laboratory Technician |
| 3212-15 | New | Surgical Technician |
| 3213 | | PHARMACEUTICAL TECHNICIANS AND ASSISTANTS |
| 3213-01 | 32131 | Pharmaceutical Assistant |
| 3213-02 | 32132 | Pharmaceutical Laboratory Assistant |
| 3213-03 | New | Pharmaceutical Technician |
| 3213-04 | New | Pharmacy Aide |
| 3214 | | MEDICAL AND DENTAL PROSTHETIC TECHNICIANS |
| 3214-01 | New | Dental Technician |
| 3214-02 | New | Denturist |
| 3214-03 | New | Orthotic Technician |
| 3214-04 | New | Orthotist |
| 3215 | | ORTHOTIC AND PROSTHETIC TECHNICIANS |
| 3215-01 | 32152 | Orthopaedic Technician |
| 3215-02 | 32152 | Prosthetic Technician |
| 3221 | | NURSING ASSOCIATE PROFESSIONALS (EXCEPT DENTAL) |
| 3221-01 | 32214 | Nurse, Grade U29 |
| 3221-02 | New | Assistant Nurse |
| 3221-03 | New | Enrolled Nurse |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 3221-04 | New | Practical Nurse |
| 3222 | | MIDWIFERY ASSOCIATE PROFESSIONALS |
| 3222-01 | 32222 | Community Nurse, Grade U19 |
| 3222-02 | 32221 | Traditional Midwife |
| 3222-03 | New | Midwifery Assistant |
| 3231 | | TRADITIONAL AND COMPLEMENTARY MEDICINE ASSOCIATE PROFESSIONALS |
| 3231-01 | 32301 | Traditional Malay Medicine Practitioner |
| 3231-02 | 32302 | Traditional Chinese Medicine Practitioner |
| 3231-03 | 32303 | Traditional Indian Medicine Practitioner |
| 3231-04 | 32302 | Traditional Chinese Medicine Dispenser |
| 3231-05 | 32307 | Village Healer |
| 3231-06 | New | Cupping Therapist |
| 3231-07 | New | Bonesetter |
| 3231-08 | New | Herbalist |
| 3241 | | VETERINARY TECHNICIANS AND ASSISTANTS |
| 3241-01 | 32405 | Veterinary Assistant, Grade G17 |
| 3241-02 | New | Veterinary Technician |
| 3241-03 | New | Veterinary Biotech Research Technician |
| 3241-04 | 32403 | Veterinary Vaccinator |
| 3241-05 | 32401 | Veterinary Assistant |
| 3241-06 | 32402 | Veterinary Artificial Insemination Assistant |
| 3241-07 | New | Artificial Inseminator |
| 3241-08 | New | Veterinary Biotech Production Technician |
| 3241-09 | New | Veterinary Nurse |
| 3251 | | DENTAL ASSISTANTS AND THERAPISTS |
| 3251-01 | 32513 | Dental Nurse, Grade U29 |
| 3251-02 | 53212 | Dental Surgery Assistant, Grade U17 |
| 3251-03 | 32511 | Dental Health Nurse |
| 3251-04 | 32511 | Dental Nurse |
| 3251-05 | 32511 | Dental School Nurse |
| 3251-06 | 32512 | Dental Assistant |
| 3251-07 | New | Dental Hygienist |
| 3251-08 | New | Dental Therapist |
| 3252 | | MEDICAL RECORD AND HEALTH INFORMATION TECHNICIANS |
| 3252-01 | 32521 | Medical Record Technician |
| 3252-02 | New | Clinical Coder |
| 3252-03 | New | Disease Registry Technician |
| 3252-04 | New | Medical Record Analyst |
| 3252-05 | New | Health Information Clerk |
| 3252-06 | New | Medical Record Clerk |
| 3253 | | COMMUNITY HEALTH WORKERS |
| 3253-01 | New | Community Health Aide |
| 3253-02 | New | Community Health Promoter |
| 3253-03 | New | Community Health Worker |
| 3253-04 | New | Village Health Worker |
| 3254 | | DISPENSING OPTICIANS |
| 3254-01 | 32541 | Optician, Contact Lens Dispensing |
| 3254-02 | New | Contact Lens Optician |
| 3254-03 | New | Dispensing Optician |
| 3255 | | PHYSIOTHERAPY TECHNICIANS AND ASSISTANTS |
| 3255-01 | New | Physiotherapy Assistant |
| 3255-02 | 32551 | Electrotherapist |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 3255-03 | New | Acupressure Therapist |
| 3255-04 | New | Hydrotherapist |
| 3255-05 | New | Massage Therapist |
| 3255-06 | New | Physiotherapy Technician |
| 3255-07 | New | Physical Rehabilitation Technician |
| 3255-08 | New | Shiatsu Therapist |
| 3256 | | MEDICAL ASSISTANTS |
| 3256-01 | New | Public Health Assistant, Grade U17 |
| 3256-02 | 32531 | Medical Laboratory Assistant |
| 3256-03 | 32531 | Hospital Assistant |
| 3256-04 | 32531 | Medical Assistant |
| 3256-05 | 32532 | Clinical Assistant |
| 3256-06 | 32561 | Radiology Equipment Technician |
| 3256-07 | 32561 | Radiology Equipment Technician, Medical, General |
| 3256-08 | 32561 | X-Ray Equipment Technician |
| 3256-09 | 32562 | Electrocardiograph Equipment Technician |
| 3256-10 | 32563 | Electroencephalograph Equipment Technician |
| 3256-11 | 32563 | Scanning Equipment Technician |
| 3256-12 | 32564 | Sonographer |
| 3256-13 | 32565 | Ultrasonographer |
| 3256-14 | 32532 | Clinical Instructor |
| 3256-15 | New | Ophthalmic Assistant |
| 3257 | | ENVIRONMENTAL AND OCCUPATIONAL HEALTH INSPECTORS AND ASSOCIATES |
| 3257-01 | 32573 | Public Health Inspector |
| 3257-02 | New | Public Health Safety Inspector |
| 3257-03 | New | Public Health Unit Supervisor |
| 3257-04 | New | Public Health Restaurant Inspector |
| 3257-05 | 32571 | Occupational Safety and Health Inspector |
| 3257-06 | New | Occupational Hygiene Inspector |
| 3257-07 | New | Occupational Safety Inspector |
| 3257-08 | New | Occupational Health Inspector |
| 3257-09 | New | Occupational Health Supervisor |
| 3257-10 | New | Occupational Hygiene Inspector |
| 3257-11 | New | Occupational Hygiene Technician |
| 3257-12 | 32571 | Product Quality Inspector |
| 3257-13 | 32571 | Safety and Health Technician |
| 3257-14 | 32573 | Safety and Health Inspector, Pollution |
| 3257-15 | 32573 | Safety and Health Inspector, Consumer Protection |
| 3257-16 | New | Safety and Health Inspector |
| 3257-17 | 32573 | Sanitary Inspector |
| 3257-18 | New | Sanitary Standards Inspector |
| 3257-19 | 32575 | Vehicle Safety Inspector |
| 3257-20 | New | Beauty Salon Inspector |
| 3257-21 | New | Dangerous Goods Inspector |
| 3257-22 | New | Dangerous Waste Inspector |
| 3257-23 | New | Environmental Safety and Health Technician |
| 3257-24 | New | Environmental Health Inspector |
| 3257-25 | New | Field Supervisor - Occupational Safety and Health |
| 3257-26 | New | Flood Damage Inspector |
| 3257-27 | New | Food Inspector |
| 3257-28 | New | Hazardous Waste Inspector |
| 3257-29 | New | Health Standards Inspector |
| 3257-30 | New | Hotel and Restaurant Inspector |
| 3257-31 | New | Industrial Hygiene Inspector |
| 3257-32 | New | Industrial Waste Control Inspector |
| 3257-33 | New | Nursing Home Inspector |
| 3257-34 | New | Sewage Disposal Inspector |
| 3257-35 | New | Water Inspector |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 3257-36 | New | Mine Safety Inspector |
| 3257-37 | New | Mine Examiner |
| 3257-38 | New | Pollution Control Inspector |
| 3257-39 | New | Radiation Monitor |
| 3257-40 | New | Restaurant Inspector |
| 3257-41 | New | Rodent Control Inspector |
| 3257-42 | New | Safety and Sanitary Inspector |
| 3257-43 | New | Waste Water Treatment Plant Inspector |
| 3257-44 | New | Food Sanitation and Safety Inspector |
| 3257-45 | New | Health Inspector |
| 3258 | | AMBULANCE ASSISTANTS |
| 3258-01 | 32581 | Ambulance Assistant |
| 3258-02 | New | Ambulance Officer |
| 3258-03 | New | Ambulance Paramedic |
| 3258-04 | New | Emergency Medical Technician |
| 3258-05 | New | Emergency Paramedic |
| 3259 | | HEALTH ASSOCIATE PROFESSIONALS NOT ELSEWHERE CLASSIFIED |
| 3259-01 | 22643 | Chiropractor |
| 3259-02 | 22129 | Osteopath |
| 3311 | | SECURITIES AND FINANCE DEALERS AND BROKERS |
| 3311-01 | 33111 | Securities Broker |
| 3311-02 | 33112 | Stock and Share Broker |
| 3311-03 | 33113 | Foreign Exchange Broker |
| 3311-04 | 33114 | Stock Broker |
| 3311-05 | 33115 | Investment Broker |
| 3311-06 | New | Foreign Exchange Dealer |
| 3312 | | CREDIT AND LOAN OFFICERS |
| 3312-01 | 33121 | Mortgage Officer |
| 3312-02 | 33121 | Loan Officer |
| 3312-03 | 33121 | Credit Control Executive |
| 3312-04 | 33121 | Credit Supervisor |
| 3312-05 | 33122 | Claim Executive |
| 3312-06 | 33122 | General Ledger Officer |
| 3312-07 | 33122 | Costing Executive |
| 3313 | | ACCOUNTING ASSOCIATE PROFESSIONALS |
| 3313-01 | 43116 | Accounting Assistant, Grade W17 |
| 3313-02 | 43114 | Audit Assistant, Grade W17 |
| 3313-03 | 43117 | Administrative Assistant (Audit), Grade 21 |
| 3313-04 | MIDA | Executive Assistant (Audit), Grade 3 |
| 3313-05 | 43111 | Book-Keeper |
| 3313-06 | 33411 | Accounts Supervisor |
| 3313-07 | 33133 | Financial Supervisor |
| 3313-08 | New | Financial Assistant |
| 3314 | | STATISTICAL, MATHEMATICAL AND ACTUARIAL ASSOCIATE PROFESSIONALS |
| 3314-01 | 43124 | Statistical Assistant, Grade E17 |
| 3314-02 | 43128 | Mathematical Assistant |
| 3314-03 | 43128 | Actuarial Assistant |
| 3315 | | VALUERS AND LOSS ASSESSORS |
| 3315-01 | 43126 | Valuation Assistant, Grade W17 |
| 3315-02 | 33151 | Appraiser |
| 3315-03 | 33153 | Valuer |
| 3315-04 | 33153 | Revenue Assessor |
| 3315-05 | 33155 | Claim Inspector |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 3315-06 | 33155 | Claim Assessor |
| 3315-07 | 33156 | Insurance Adjuster |
| 3315-08 | 33157 | Insurance Assessor |
| 3315-09 | New | Real Estate Appraiser |
| 3321 | | INSURANCE AGENTS |
| 3321-01 | 33211 | Insurance Agent |
| 3321-02 | 33212 | Insurance Broker |
| 3321-03 | 33213 | Insurance Underwriter |
| 3321-04 | New | Insurance Consultant |
| 3321-05 | New | Insurance Representative |
| 3322 | | COMMERCIAL SALES AGENT |
| 3322-01 | New | Salesperson |
| 3322-02 | 33222 | After Sales Service Adviser |
| 3322-03 | 33223 | Canvasser |
| 3322-04 | 33224 | Sales Representative |
| 3322-05 | 33225 | Salesperson, Travel |
| 3322-06 | 33225 | Salesperson, Technical |
| 3322-07 | 33225 | Engineering Sales Agent |
| 3322-08 | 33225 | Technical Sales Agent |
| 3322-09 | 33225 | Technical Adviser |
| 3322-10 | 33225 | Representative, Commercial Technical Sales |
| 3322-11 | 33226 | Salesperson, Business Services Advertising |
| 3322-12 | 33221 | Export Executive |
| 3322-13 | 33227 | Sales Executive |
| 3322-14 | 33227 | Marketing Executive |
| 3322-15 | 33227 | Business Development Executive |
| 3322-16 | 33227 | Sales Administrative Executive |
| 3322-17 | 33227 | Product Brand Executive |
| 3322-18 | 33227 | Executive Analyst, Market Research |
| 3322-19 | 33227 | Field Consultant |
| 3322-20 | 33227 | Support Salesperson |
| 3322-21 | 33227 | Area Support Sales Engineer |
| 3322-22 | 33228 | Salesperson, Car |
| 3322-23 | 33228 | Salesperson, Motor Vehicle |
| 3322-24 | 33228 | Salesperson, Motorcycle |
| 3322-25 | 33229 | Commercial Railway Officer |
| 3322-26 | New | Regional Sales Executive |
| 3322-27 | New | Offshore Sales Executive |
| 3323 | | BUYERS |
| 3323-01 | 33231 | Planning and Distribution Executive |
| 3323-02 | 33231 | Purchasing Executive |
| 3323-03 | 33231 | Buyer |
| 3323-04 | 33231 | Buyer, Production Purchasing |
| 3323-05 | 33232 | Procurement Agent |
| 3323-06 | 33233 | Procurement Executive |
| 3323-07 | New | Purchasing Agent |
| 3323-08 | New | Procurement Officer |
| 3323-09 | New | Supply Officer |
| 3323-10 | New | Purchasing Merchandiser |
| 3324 | | TRADE BROKERS |
| 3324-01 | 33241 | Commodity Broker |
| 3324-02 | New | Shipping Broker |
| 3324-03 | New | Trade Broker |
| 3331 | | CLEARING AND FORWARDING AGENTS |
| 3331-01 | 33311 | Clearing Agent |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 3331-02 | 33311 | Forwarding Agent |
| 3331-03 | 33312 | Shipping Agent |
| 3332 | | CONFERENCE AND EVENT AGENTS |
| 3332-01 | 33321 | Exhibition and Convention Consultant |
| 3332-02 | 33322 | Exhibition and Convention Organiser |
| 3332-03 | 33323 | Travel Consultant |
| 3332-04 | 33324 | Travel Organiser |
| 3332-05 | New | Conference and Event Organiser |
| 3332-06 | New | Wedding Planner |
| 3332-07 | New | Conference Planner |
| 3333 | | EMPLOYMENT AGENTS AND CONTRACTORS |
| 3333-01 | 33331 | Employment Agent |
| 3333-02 | 33332 | Job Placement Officer |
| 3333-03 | New | Labour Contractor |
| 3334 | | REAL ESTATE AND PROPERTY AGENTS |
| 3334-01 | 33341 | Real Estate Agent |
| 3334-02 | 33342 | Property Agent |
| 3334-03 | 33343 | Property Realtor |
| 3334-04 | 33344 | Property Negotiator |
| 3334-05 | New | Estate Agent |
| 3334-06 | New | Real Estate Salesperson |
| 3339 | | BUSINESS SERVICES AGENTS NOT ELSEWHERE CLASSIFIED |
| 3339-01 | 33151 | Auctioneer |
| 3339-02 | 33391 | Literary Agent |
| 3339-03 | 33392 | Musical Performance Agent |
| 3339-04 | 33393 | Sports Agent |
| 3339-05 | 33394 | Theatrical Agent |
| 3339-06 | 33395 | Sports Organiser |
| 3341 | | ADMINISTRATIVE ASSOCIATE PROFESSIONALS |
| 3341-01 | 33436 | Sergeant-at-Arms, Grade N27 |
| 3341-02 | 33411 | Data Entry Supervisor |
| 3341-03 | 33411 | Hospital Admission Clerical Supervisor |
| 3341-04 | 33411 | Filing Clerical Supervisor |
| 3341-05 | 33411 | Administrative Supervisor |
| 3341-06 | 33411 | Clerical Supervisor |
| 3341-07 | 33411 | Medical Record Unit Supervisor |
| 3341-08 | 33412 | Personnel Clerk Supervisor |
| 3341-09 | 33412 | Human Resource Supervisor |
| 3341-10 | 33413 | Management Trainee |
| 3341-11 | 33414 | Factory Administrator |
| 3342 | | LEGAL SECRETARIES |
| 3342-01 | 44196 | Shariah Assistant, Grade LS17 |
| 3342-02 | 33421 | Legal Secretary |
| 3343 | | ADMINISTRATIVE AND EXECUTIVE SECRETARIES |
| 3343-01 | 33438 | Assistant Executive Officer (Secretarial), Grade 31 |
| 3343-02 | MIDA | Assistant Executive Officer (Secretarial), Grade 6 |
| 3343-03 | SPAD | Assistant Executive Officer (Secretarial), Grade L8 |
| 3343-04 | 41202 | Personal Assistant |
| 3343-05 | New | Administrative Executive Assistant |
| 3343-06 | 33432 | Executive Secretary, Government Administration |
| 3343-07 | New | Company Secretary (Public Sector) |
| 3343-08 | 33431 | Verbatim Reporter |
| 3343-09 | 33431 | Office Chief Secretary |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 3343-10 | 33431 | Executive Secretary |
| 3343-11 | 33431 | Executive Secretary, Committee |
| 3343-12 | 33431 | Executive Secretary, Non-Government Administration |
| 3343-13 | 33431 | Executive Secretary, Administration |
| 3343-14 | 33431 | Company Secretary |
| 3343-15 | 33433 | Consular Official |
| 3343-16 | 33439 | Assistant Secretarial Executive Officer |
| 3343-17 | New | Administrative Secretary |
| 3343-18 | 41102 | Correspondence Assistant |
| 3344 | | MEDICAL SECRETARIES |
| 3344-01 | 33441 | Medical Secretary |
| 3344-02 | New | Medical Office Administrative Assistant |
| 3344-03 | New | Hospital Ward Secretary |
| 3344-04 | New | Patient Care Secretary |
| 3344-05 | New | Medical Stenographer |
| 3344-06 | New | Medical Insurance Assistant |
| 3344-07 | New | Medical Billing Secretary |
| 3344-08 | New | Pathology Secretary |
| 3344-09 | New | Medical Transcriptionist |
| 3411 | | LEGAL AND RELATED ASSOCIATE PROFESSIONALS |
| 3411-01 | 44195 | Administrative Assistant (Legal), Grade L17 |
| 3411-02 | 44194 | Anti-Drug Assistant, Grade S17 |
| 3411-03 | 44192 | Bailiff |
| 3411-04 | New | Private Detective |
| 3411-05 | 54196 | Private Investigator |
| 3411-06 | New | Legal Assistant |
| 3411-07 | New | Conveyancing Clerk |
| 3411-08 | New | Paralegal |
| 3411-09 | New | Law Clerk |
| 3411-10 | 44199 | Clerk, Judge |
| 3411-11 | 44199 | Clerk, Court |
| 3411-12 | 44199 | Litigation Clerk |
| 3411-13 | 44199 | Assistant, Barrister |
| 3411-14 | 44199 | Assistant, Solicitor |
| 3511 | | INFORMATION AND COMMUNICATIONS TECHNOLOGY OPERATION TECHNICIANS |
| 3511-01 | 35114 | Computer Technician, Grade FT17 |
| 3511-02 | New | Administrative Assistant (Computer Operator), Grade 21 |
| 3511-03 | 35115 | Administrative Assistant (Computer Technician), Grade 21 |
| 3511-04 | MIDA | Executive Assistant (Information Technology), Grade 3 |
| 3511-05 | 35111 | Computer Technician |
| 3511-06 | 35111 | Computer Peripheral Equipment Technician |
| 3511-07 | 35111 | Computer Peripheral Equipment Console Technician |
| 3511-08 | 35111 | Computer Peripheral Equipment High-Speed Printer Technician |
| 3511-09 | 35111 | Electronic Data Processing (EDP) Technician |
| 3511-10 | 35111 | Engineering Computer Assistant |
| 3511-11 | 35111 | Assistant Supervisor, Electronic Data Processing (EDP) |
| 3511-12 | 35111 | Electronic Data Processing Supervisor |
| 3511-13 | 35112 | Semi-Conductor Technician |
| 3511-14 | 35113 | Information Systems Technician |
| 3511-15 | 35113 | Information Technology Assistant |
| 3511-16 | New | Computer Console Operator |
| 3511-17 | New | System Operator |
| 3511-18 | New | Computer Operator |
| 3511-19 | New | High-Speed Computer Printer Operator |
| 3511-20 | New | Computer Peripheral Equipment Operator |
| 3511-21 | New | Hardware Technician |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 3512 | | INFORMATION AND COMMUNICATIONS TECHNOLOGY USER SUPPORT TECHNICIANS |
| 3512-01 | 35121 | Computer Help Desk Technician |
| 3512-02 | 35121 | Personal Computer Support Technician |
| 3512-03 | 35121 | Information Technology Technician |
| 3512-04 | 35122 | Computer Help Desk Operator |
| 3512-05 | 35122 | Computer Engineering Assistant |
| 3512-06 | 35122 | Computer Assistant |
| 3512-07 | 35122 | Communications Assistant (ICT) |
| 3512-08 | 35122 | Database Assistant |
| 3512-09 | 35122 | Computer Programming Assistant |
| 3512-10 | 35122 | Computer User Service Assistant |
| 3512-11 | New | Customer Help Desk Officer |
| 3512-12 | New | Call Centre Trainer |
| 3512-13 | New | Computer Systems Analysis Assistant |
| 3513 | | COMPUTER NETWORK AND SYSTEMS TECHNICIANS |
| 3513-01 | 35131 | Computer Network Technician |
| 3513-02 | 35132 | Network Support Technician |
| 3514 | | WEB TECHNICIANS |
| 3514-01 | 35141 | Website Technician |
| 3514-02 | 35141 | Web Technician |
| 3521 | | BROADCASTING AND AUDIO-VISUAL TECHNICIANS |
| 3521-01 | 35216 | Audio-Visual Technician, Grade N17 |
| 3521-02 | 35211 | Cinematographer |
| 3521-03 | 35211 | Audio-Visual Operator |
| 3521-04 | 35211 | Production Assistant (Media) |
| 3521-05 | 35211 | Motion Picture Assistant |
| 3521-06 | 35212 | Sound Effects Technician |
| 3521-07 | 35212 | Dubbing Mixer |
| 3521-08 | 35212 | Sound Mixer |
| 3521-09 | 35212 | Sound Editor |
| 3521-10 | 35213 | Cinema Projectionist |
| 3521-11 | 35214 | Marine Radio Officer |
| 3521-12 | 35216 | Broadcast Technician |
| 3521-13 | 35216 | Audio and Video Equipment Technician |
| 3521-14 | 35216 | Broadcasting Equipment Technician |
| 3521-15 | 35216 | Radio and Television Broadcasting Equipment Technician |
| 3521-16 | 35216 | Land-Based Radio Equipment Technician |
| 3521-17 | 35216 | Flight Radio Equipment Technician |
| 3521-18 | 35216 | Telecommunications Equipment Technician |
| 3521-19 | 35216 | Radio and Television Transmitting Equipment Technician |
| 3521-20 | New | Broadcasting Equipment Operator |
| 3521-21 | New | Cameraman/woman (Motion Picture) |
| 3521-22 | New | Cameraman/Woman (Video) |
| 3521-23 | New | Videographer |
| 3522 | | TELECOMMUNICATIONS ENGINEERING TECHNICIANS |
| 3522-01 | 35221 | Aerospace Engineering Technician (Telecommunications) |
| 3522-02 | 35222 | Engineering Technician (Telecommunications) |
| 3522-03 | New | Communications Technician |
| 3522-04 | New | Telecommunications Technician |
| 3611 | | SOCIAL WORK ASSOCIATE PROFESSIONALS |
| 3611-01 | 44164 | Community Development Assistant, Grade S17 |
| 3611-02 | 44165 | Social Research Assistant, Grade N17 |
| 3611-03 | 34121 | Social Worker |
| 3611-04 | 34121 | Social Worker, Group Work |
| 3611-05 | 34121 | Welfare Officer, Industry |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 3611-06 | 34121 | Welfare Officer, Probation |
| 3611-07 | 34121 | Parole Officer, Associate Professional |
| 3611-08 | 34121 | Probation Officer, Associate Professional |
| 3611-09 | 34121 | Officer, Family Planning |
| 3611-10 | 34121 | Social Welfare Worker |
| 3611-11 | 34121 | Social Welfare Worker, Case Work |
| 3611-12 | 34121 | Social Worker, Child Welfare |
| 3611-13 | 34121 | Social Worker, Delinquency |
| 3611-14 | 34121 | Social Worker, Community |
| 3611-15 | 34121 | Social Worker, Medical |
| 3611-16 | 34121 | Social Worker, Psychiatric |
| 3611-17 | 34121 | Welfare Organiser |
| 3611-18 | 34129 | Counselling Assistant |
| 3611-19 | New | Community Development Worker |
| 3611-20 | New | Community Service Worker |
| 3611-21 | New | Disability Service Officer |
| 3611-22 | New | Family Service Worker |
| 3611-23 | New | Life Skills Instructor |
| 3611-24 | New | Mental Health Worker |
| 3611-25 | New | Welfare Support Worker |
| 3611-26 | New | Women's Shelter Supervisor |
| 3611-27 | New | Youth Worker |
| 3612 | | RELIGIOUS ASSOCIATE PROFESSIONALS |
| 3612-01 | 44191 | Islamic Affairs Assistant, Grade S17 |
| 3612-02 | 34131 | Monk |
| 3612-03 | 34132 | Nun |
| 3612-04 | 34133 | Preacher |
| 3612-05 | 34134 | Bilal |
| 3612-06 | 32308 | Faith Healer |
| 3621 | | ATHLETES AND SPORTS PLAYERS |
| 3621-01 | 34211 | Sportsperson |
| 3621-02 | 34212 | Athlete |
| 3621-03 | New | Boxer |
| 3621-04 | New | Footballer |
| 3621-05 | New | Hockey Player |
| 3621-06 | New | Tennis Player |
| 3621-07 | New | Wrestler |
| 3621-08 | New | Chess Player |
| 3621-09 | New | Golfer |
| 3621-10 | New | Jockey |
| 3621-11 | New | Racing driver |
| 3622 | | SPORTS COACHES, INSTRUCTORS AND OFFICIALS |
| 3622-01 | 24327 | Youth and Sports Officer, Grade S41 |
| 3622-02 | 34128 | Assistant Youth and Sports Officer, Grade S27 |
| 3622-03 | 34222 | Marching Instructor, Grade S17 |
| 3622-04 | 54128 | <i>Kesatria</i> Assistant, Grade S17 |
| 3622-05 | 41105 | Youth and Sports Assistant, Grade S17 |
| 3622-06 | 34221 | Sports Official |
| 3622-07 | 34221 | Referee |
| 3622-08 | 34221 | Sports Coach |
| 3622-09 | 34223 | Aerobics Coach |
| 3622-10 | 34224 | Judo Coach |
| 3622-11 | 34224 | Karate Coach |
| 3622-12 | 34224 | Silat Coach |
| 3622-13 | 34224 | Taekwando Coach |
| 3622-14 | 34225 | Tennis Coach |
| 3622-15 | 34226 | Tai Chi Coach |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 3622-16 | 34226 | Yoga Coach |
| 3622-17 | 34227 | Swimming Coach |
| 3622-18 | 34228 | Coach, Instructor and Other Sports Official (Indoor) |
| 3622-19 | 34229 | Coach, Instructor and Other Sports Official (Outdoor) |
| 3622-20 | 34229 | Sports Instructor |
| 3622-21 | 34229 | Group Training Instructor & Coordinator |
| 3622-22 | 34229 | Linesman |
| 3622-23 | New | Swimming Instructor |
| 3623 | | FITNESS AND RECREATION INSTRUCTORS AND PROGRAMME LEADERS |
| 3623-01 | 34231 | Physical Fitness Instructor |
| 3623-02 | 34232 | Billiard Instructor |
| 3623-03 | 34234 | Chess Instructor |
| 3623-04 | 34236 | Sailing Instructor |
| 3623-05 | 34237 | Horse Riding Instructor |
| 3623-06 | 34238 | Outdoor Adventure Guide |
| 3623-07 | 34239 | Clubhouse Supervisor |
| 3623-08 | New | Personal Trainer |
| 3623-09 | New | Aerobics Instructor |
| 3623-10 | New | Underwater Diving Instructor |
| 3623-11 | New | Fitness Instructor |
| 3631 | | PHOTOGRAPHERS |
| 3631-01 | New | Photographer, Grade B11 |
| 3631-02 | New | Administrative Assistant (Photographer), Grade 21 |
| 3631-03 | 34311 | Photographer |
| 3631-04 | 34312 | Commercial Illustration Photographer |
| 3631-05 | 34313 | Press Photographer |
| 3631-06 | 34313 | News Photographer |
| 3631-07 | 34313 | Photo-Journalist |
| 3631-08 | 34314 | Aerial Photographer |
| 3631-09 | 34314 | Microphotographer |
| 3631-10 | 34315 | Microphotography Photographer |
| 3631-11 | 34315 | Medical Photographer |
| 3631-12 | 34315 | Scientific Photographer |
| 3631-13 | New | Commercial Photographer |
| 3631-14 | New | Industrial Photographer |
| 3631-15 | New | Portrait Photographer |
| 3632 | | INTERIOR DESIGNERS AND DECORATORS |
| 3632-01 | 34328 | Designer, Grade B11 |
| 3632-02 | 34323 | Interior Designer |
| 3632-03 | 34324 | Furniture Designer |
| 3632-04 | 34321 | Poster Designer |
| 3632-05 | New | Desktop Publishing Artist |
| 3632-06 | 34321 | Book Illustrator |
| 3632-07 | 34321 | Advertising Illustrator |
| 3632-08 | 34322 | Display Artist |
| 3632-09 | 34322 | Display Decorator |
| 3632-10 | 34322 | Visual Merchandiser |
| 3632-11 | 34322 | Armorial Designer |
| 3632-12 | 34322 | Display Designer |
| 3632-13 | 34322 | Window Display Designer |
| 3632-14 | 34322 | Scenery Designer |
| 3632-15 | 34322 | Exhibition Designer |
| 3632-16 | 34323 | Interior Decorator |
| 3632-17 | 34324 | Ornamental Metalwork Designer |
| 3632-18 | 34325 | Motion Picture Set Decorator |
| 3632-19 | 34325 | Theatrical Set Designer |
| 3632-20 | 34326 | Flower Arranger |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 3632-21 | 34327 | Carving Technician |
| 3632-22 | New | Set Designer |
| 3632-23 | New | Window Dresser |
| 3633 | | GALLERY, MUSEUM AND LIBRARY ASSOCIATE PROFESSIONALS |
| 3633-01 | 44197 | Archive Assistant, Grade S17 |
| 3633-02 | 44193 | Conservation Assistant, Grade S17 |
| 3633-03 | 44198 | Museum Assistant, Grade S17 |
| 3633-04 | 44114 | Library Assistant, Grade S17 |
| 3633-05 | New | Gallery Technician |
| 3633-06 | New | Library Technician |
| 3633-07 | New | Museum Technician |
| 3633-08 | 44112 | Library Assistant |
| 3634 | | CULTURAL ASSOCIATE PROFESSIONALS |
| 3634-01 | 34351 | Musician, Grade B17 |
| 3634-02 | 34354 | Cultural Artist, Grade B17 |
| 3639 | | ARTISTIC AND CULTURAL ASSOCIATE PROFESSIONALS NOT ELSEWHERE CLASSIFIED |
| 3639-01 | 41107 | Publication Assistant, Grade N17 |
| 3639-02 | JPA | Programme Producer, Grade B17 |
| 3639-03 | JPA | Cultural Officer, Grade B11 |
| 3639-04 | New | Special Effects Technician |
| 3639-05 | New | Lighting Technician |
| 3639-06 | New | Programme CoOrdinator (Broadcasting) |
| 3639-07 | New | Prompter |
| 3639-08 | New | Property Master (Broadcasting) |
| 3639-09 | New | Script-Girl/Boy |
| 3639-10 | New | Stage Technician |
| 3639-11 | New | Stunt Coordinator |
| 3639-12 | New | Stunt Artist |
| 3639-13 | New | Theatre Technician |
| 3641 | | CHEFS |
| 3641-01 | 34491 | Assistant Food Preparation Officer, Grade C27 |
| 3641-02 | 34341 | Chef de Cuisine |
| 3641-03 | 34342 | Executive Chef |
| 3641-04 | 34345 | Sous Chef |
| 3641-05 | 34344 | Chefs De Partie |
| 3641-06 | 34341 | Senior Chef |
| 3641-07 | 34343 | Chef |
| 3641-08 | 34343 | Barbecue Chef |
| 3641-09 | 34343 | Dim Sum Chef |
| 3641-10 | 34343 | Malay Cuisine Chef |
| 3641-11 | 34343 | Pastry Chef |
| 3641-12 | 34347 | Demi Chef |
| 3641-13 | 34348 | Kitchen Coordinator |
| 3641-14 | New | Saucier |
| 3711 | | CUSTOMS AND BORDER INSPECTOR ASSOCIATE PROFESSIONALS |
| 3711-01 | 33511 | Customs Inspector |
| 3711-02 | 33511 | Customs and Border Inspector |
| 3711-03 | 33511 | Border Inspector |
| 3711-04 | 33512 | Passport Checking Officer |
| 3712 | | TAXATION AND EXCISE OFFICIAL ASSOCIATE PROFESSIONALS |
| 3712-01 | 43119 | Administrative Assistant (Appraisal), Grade 21 |
| 3712-02 | 33521 | Tax Estimator Assistant |
| 3712-03 | New | Excise Assistant |
| 3712-04 | New | Tax Assistant |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 3712-05 | New | Taxation Inspector's Assistant |
| 3713 | | GOVERNMENT SOCIAL BENEFIT OFFICIAL ASSOCIATE PROFESSIONALS |
| 3713-01 | 33531 | Social Benefit Assistant |
| 3713-02 | 33532 | Social Security Claims Officer |
| 3713-03 | New | Pension Assistant |
| 3714 | | GOVERNMENT LICENSING OFFICIAL ASSOCIATE PROFESSIONALS |
| 3714-01 | 54154 | Enforcement Assistant, Grade N17 |
| 3714-02 | SPAD | Executive Assistant, Grade L11 |
| 3714-03 | 33541 | Licensing Inspector |
| 3714-04 | 33541 | Licensing Assistant |
| 3714-05 | 33541 | Passport Issuing Assistant |
| 3714-06 | New | Building Permit (Licensing) Assistant |
| 3714-07 | New | Business Permit (Licensing) Assistant |
| 3715 | | POLICE OFFICERS |
| 3715-01 | 54125 | Low-ranking officer and Constable, Grade YA1 |
| 3715-02 | 33551 | Police Inspector |
| 3715-03 | 33552 | Police Detective |
| 3715-04 | New | Police Officer |
| 3715-05 | New | Police Inquiry Agent |
| 3715-06 | New | Police Patrol Officer |
| 3716 | | CIVIL DEFENCE ASSOCIATE PROFESSIONALS |
| 3716-01 | 54153 | Civil Defence Assistant, Grade KP17 |
| 3716-02 | 33568 | Civilian Liaison Officer, Grade KP19 |
| 3716-03 | 33561 | Civil Service Inspector |
| 3716-04 | 33562 | Government Administration Inspector |
| 3716-05 | 33565 | RELA Officer |
| 3716-06 | 33566 | Territorial Army Personnel |
| 3719 | | REGULATORY GOVERNMENT ASSOCIATE PROFESSIONALS NOT ELSEWHERE CLASSIFIED |
| 3719-01 | 44162 | Industrial Relations Assistant, Grade S17 |
| 3719-02 | 44163 | Registration Assistant, Grade KP17 |
| 3719-03 | JPA | Maritime Enforcement Officers of Other Ranks, Grade X1 |
| 3719-04 | 33591 | Price Inspector |
| 3719-05 | 33591 | Fire and Safety Inspector |
| 3719-06 | 33591 | Weight and Measures Inspector |
| 3719-07 | 33595 | Wage Inspector |
| 3719-08 | 33596 | Electorol Officer |
| 3719-09 | New | Agricultural Inspector |
| 3719-10 | New | Livestock Inspector |
| 3719-11 | New | Forestry Inspector |
| 3719-12 | | Executioner |
| 4 | | CLERICAL SUPPORT WORKERS |
| 4111 | | GENERAL OFFICE CLERKS |
| 4111-01 | 41103 | Administrative Assistant(Clerical/ Operation), Grade N17 |
| 4111-02 | 41106 | Land Administrative Assistant, Grade N17 |
| 4111-03 | 41109 | Administrative Assistant (Designer), Grade 21 |
| 4111-04 | New | Administrative Assistant (Clerical), Grade 21 |
| 4111-05 | New | Administrative Assistant (Engineering), Grade 21 |
| 4111-06 | MIDA | Executive Assistant (Administration and Support), Grade 3 |
| 4111-07 | MIDA | Executive Assistant (Engineering), Grade 3 |
| 4111-08 | SPAD | Executive Assistant (Clerical), Grade L11 |
| 4111-09 | 41101 | General Office Clerk |
| 4111-10 | 41101 | Office Clerk |
| 4111-11 | 41101 | Administrative Clerk |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 4111-12 | 41101 | Room Service Clerk |
| 4111-13 | 41101 | Confidential Clerk |
| 4111-14 | 41101 | Correspondence Clerk |
| 4111-15 | 41101 | Chief Clerk |
| 4111-16 | 41101 | Office Chief |
| 4111-17 | 41101 | Political Worker |
| 4111-18 | 41101 | Administrative Assistant |
| 4111-19 | New | General Administrative Assistant |
| 4121 | | SECRETARIES (GENERAL) |
| 4121-01 | 41206 | Office Secretary, Grade N27 |
| 4121-02 | New | Office Secretarial Assistant, Grade N17 |
| 4121-03 | JPA | Office Secretarial Assistant /Office Secretary, Grade N17 |
| 4121-04 | New | Administrative Assistant (Secretarial), Grade 21 |
| 4121-05 | MIDA | Executive Assistant (Secretarial), Grade 3 |
| 4121-06 | 41208 | Secretarial Administrative Assistant |
| 4121-07 | 41205 | Administrative Assistant (Secretarial) |
| 4121-08 | 41201 | Secretary |
| 4121-09 | 41201 | Word Processing Secretary |
| 4121-10 | 41201 | Typing Secretary |
| 4121-11 | 41201 | Confidential Secretary |
| 4121-12 | 41201 | Stenographer Secretary |
| 4121-13 | 41201 | Stenography Typing Secretary |
| 4121-14 | 41203 | Admission Secretary |
| 4121-15 | 41204 | Sales Secretary |
| 4121-16 | 33491 | School Secretary |
| 4131 | | TYPISTS AND WORD PROCESSOR OPERATORS |
| 4131-01 | 41311 | Typist |
| 4131-02 | 41311 | Stenographer |
| 4131-03 | 41311 | Statistical Typist |
| 4131-04 | 41311 | Shorthand Typist |
| 4131-05 | 41311 | Audio Typist |
| 4131-06 | 41311 | Teletypist |
| 4131-07 | 41311 | Justowriter |
| 4131-08 | 41312 | Word Processor |
| 4131-09 | New | General Typing Assistant |
| 4132 | | DATA ENTRY CLERKS |
| 4132-01 | 44166 | Fingerprint Examiner, Grade N17 |
| 4132-02 | 41323 | Index Clerk |
| 4132-03 | 41324 | Records Clerk |
| 4132-04 | New | Data Input Clerk |
| 4132-05 | New | General Information Technology Assistant (Data Processing Machine Operator) |
| 4132-06 | 41321 | Computer Data Entry Clerk |
| 4132-07 | 41321 | Electronic Mail Data Entry Clerk |
| 4132-08 | New | Data Entry Operator |
| 4132-09 | New | Payment Entry Clerk |
| 4132-10 | 41101 | Information Technology Clerk |
| 4132-11 | 41102 | Management Information System Clerk |
| 4211 | | BANK TELLERS AND RELATED CLERKS |
| 4211-01 | 42113 | Postal Clerk |
| 4211-02 | 42111 | Bank Teller |
| 4211-03 | 42112 | Cash Counter Clerk |
| 4211-04 | 42114 | Money Changer |
| 4211-05 | 42115 | Currency Sorter |
| 4211-06 | 42116 | Safe Deposit Clerk |
| 4211-07 | 42117 | Bank Clerk |
| 4211-08 | 42118 | Bank Assistant |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 4211-09 | New | Post Office Counter Clerk |
| 4212 | | BOOKMAKERS, CROUPIERS AND RELATED GAMING WORKERS |
| 4212-01 | 42121 | Betting Counter Clerk |
| 4212-02 | 42121 | Bookmaker's Clerk |
| 4212-03 | 42122 | Croupier |
| 4212-04 | 42123 | Casino Clerk |
| 4213 | | PAWNBROKERS AND MONEY-LENDERS |
| 4213-01 | 42131 | Pawnbroker |
| 4213-02 | 42132 | Money-Lender |
| 4214 | | DEBT AND RENT COLLECTORS AND RELATED WORKERS |
| 4214-01 | 42141 | Payment Collector |
| 4214-02 | 42141 | Bill Collector |
| 4214-03 | 42142 | Charity Collector |
| 4214-04 | 42143 | Debt Collector |
| 4214-05 | 42144 | Rent Collector |
| 4214-06 | 42145 | Rental Clerk |
| 4214-07 | 42145 | Heavy Vehicle Rental Clerk |
| 4214-08 | 42145 | Car Rental Clerk |
| 4214-09 | 42145 | Costume Rental Clerk |
| 4214-10 | 42145 | Audio Visual Equipment Rental Clerk |
| 4214-11 | 42145 | Video Tape Rental Clerk |
| 4214-12 | 43128 | Book-Loan Clerk |
| 4221 | | TRAVEL CONSULTANTS AND RELATED CLERKS |
| 4221-01 | New | Travel Consultant |
| 4221-02 | New | Travel Coordinator |
| 4221-03 | 42213 | Travel Agency Clerk |
| 4221-04 | 42214 | Booking Clerk |
| 4221-05 | 42213 | Travel Clerk |
| 4221-06 | 42211 | Travel Ticket Issuing Clerk |
| 4221-07 | 42212 | Airline Travel Clerk |
| 4222 | | CONTACT /CALL CENTRE INFORMATION CLERKS |
| 4222-01 | 42223 | Information Assistant, Grade S17 |
| 4222-02 | 42221 | Appointment Clerk |
| 4222-03 | 42222 | Customer Service Supervisor |
| 4222-04 | 42225 | Call Centre Clerk |
| 4222-05 | New | Customer Service Assistant |
| 4222-06 | New | Call Centre Agent (Customer Service) |
| 4222-07 | New | Call Centre Representative |
| 4222-08 | New | Customer Contact Centre Information Clerk |
| 4223 | | TELEPHONE SWITCHBOARD OPERATORS |
| 4223-01 | New | Telecommunications Service Operator |
| 4223-02 | 42231 | Private Branch Exchange Telephone Operator |
| 4223-03 | 42231 | Telephone Exchange Telephone Operator |
| 4223-04 | 42231 | Telephonist |
| 4223-05 | 42232 | Telephone Switchboard Operator |
| 4223-06 | 42233 | Telecommunications Service Supervisor |
| 4223-07 | New | General Assistant (Telephone Operator) |
| 4223-08 | New | Answering Service Operator |
| 4224 | | RECEPTIONISTS |
| 4224-01 | 42261 | Receptionist |
| 4224-02 | 42262 | Medical Receptionist |
| 4224-03 | 42263 | Dental Receptionist |
| 4224-04 | 42264 | Telephone Receptionist |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 4224-05 | 42265 | Front Office Receptionist |
| 4224-06 | 42266 | Front Office Assistant |
| 4224-07 | 42266 | Front Office Supervisor |
| 4224-08 | 42266 | Front Office Personnel |
| 4224-09 | 42267 | Guest Service Agent |
| 4224-10 | 42241 | Hotel Receptionist |
| 4224-11 | 42242 | Hotel Front Desk Clerk |
| 4224-12 | 42243 | Reservation Assistant |
| 4224-13 | 42243 | Reservation Supervisor |
| 4224-14 | 42228 | Concierge |
| 4225 | | ENQUIRY CLERKS |
| 4225-01 | 42228 | Administrative Assistant (Customer Service), Grade 21 |
| 4225-02 | 42227 | Customer Service Officer, Grade N17 |
| 4225-03 | 42251 | Customer Complaint Clerk |
| 4225-04 | 42252 | Counter Enquiry Clerk |
| 4225-05 | 42253 | Enquiry Clerk |
| 4225-06 | 42221 | Information Clerk |
| 4226 | | SURVEY AND MARKET RESEARCH INTERVIEWERS |
| 4226-01 | 42271 | Market Research Interviewer |
| 4226-02 | 42272 | Public Opinion Interviewer |
| 4226-03 | 42273 | Survey Interviewer |
| 4229 | | CLIENT INFORMATION WORKERS NOT ELSEWHERE CLASSIFIED |
| 4229-01 | 42291 | Hospital Admissions Clerk |
| 4229-02 | 42292 | Eligibility Interviewer |
| 4229-03 | 42293 | Eligibility Specialist |
| 4311 | | ACCOUNTING AND BOOK-KEEPING CLERKS |
| 4311-01 | 43111 | Administrative Assistant (Accounting), Grade 21 |
| 4311-02 | MIDA | Executive Assistant (Accounting), Grade 3 |
| 4311-03 | 43111 | Ledger Clerk |
| 4311-04 | 43111 | Book-Keeping Machine Clerk |
| 4311-05 | 43111 | Book-Keeping Clerk |
| 4311-06 | 43111 | Ledger Book-Keeper |
| 4311-07 | 43112 | Accounts Clerk |
| 4311-08 | 43112 | Accounts Payable Clerk |
| 4311-09 | 43112 | Accounts Receivable Clerk |
| 4311-10 | 43112 | Accounts and Promotion Clerk |
| 4311-11 | 43112 | Invoice Clerk |
| 4311-12 | 43112 | Auction Clerk |
| 4311-13 | 43112 | Accounting Machine Clerk |
| 4311-14 | 43112 | Administrative and Accounting Clerk |
| 4311-15 | 43115 | Audit Clerk |
| 4311-16 | 43115 | Credit Control Clerk |
| 4311-17 | 43115 | Credit Clerk |
| 4311-18 | 43115 | Credit Control Assistant |
| 4311-19 | 43117 | Billing Clerk |
| 4311-20 | 43117 | Property Clerk |
| 4311-21 | 43117 | Cost Clerk |
| 4311-22 | 43117 | Time Clerk |
| 4311-23 | 43117 | Estimating Clerk |
| 4311-24 | 43117 | Cost Computing Clerk |
| 4311-25 | 43117 | Office Cash Clerk |
| 4311-26 | 43117 | Costing Assistant |
| 4312 | | STATISTICAL, FINANCE AND INSURANCE CLERKS |
| 4312-01 | 43118 | Administrative Assistant (Finance), Grade W17 |
| 4312-02 | MIDA | Executive Assistant (Finance), Grade 3 |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 4312-03 | 43121 | Statistical Clerk |
| 4312-04 | 43123 | Social and Economic Data Enumerator |
| 4312-05 | 43123 | Field Enumerator |
| 4312-06 | 43123 | Opinion Polling Enumerator |
| 4312-07 | 43123 | Market Research Enumerator |
| 4312-08 | 43128 | Insurance Underwriting Clerk |
| 4312-09 | 43128 | Claims Clerk |
| 4312-10 | 43128 | Insurance Underwriting Supervisory Assistant |
| 4312-11 | 43128 | Insurance Adjustment Assistant |
| 4312-12 | 43128 | Insurance Underwriting Assistant |
| 4312-13 | 43128 | Insurance Policy Assistant |
| 4312-14 | 43128 | Insurance Claims Assistant |
| 4312-15 | 43127 | Finance Clerk |
| 4312-16 | 43128 | Plantation Finance Clerk |
| 4312-17 | 43115 | Actuarial Clerk |
| 4312-18 | 43115 | Brokerage Clerk |
| 4312-19 | New | Insurance clerk |
| 4312-20 | 43115 | Tax Clerk |
| 4312-21 | 43115 | Investment Clerk |
| 4312-22 | 43115 | Adjustment Clerk |
| 4312-23 | 43115 | Brokerage Clerk |
| 4312-24 | 43115 | Share and Stock Registration Clerk |
| 4312-25 | 43115 | Rating Clerk |
| 4312-26 | 43115 | Brokerage Assistant |
| 4312-27 | 43115 | Bond Clerk |
| 4312-28 | 43115 | Collateral Clerk |
| 4312-29 | 43115 | Mortgage Clerk |
| 4313 | | PAYROLL CLERKS |
| 4313-01 | 43131 | Payroll Clerk |
| 4313-02 | 43131 | Wages Clerk |
| 4313-03 | 43132 | Paymaster |
| 4313-04 | New | Payroll Processor |
| 4321 | | STOCK CLERKS |
| 4321-01 | 43211 | Raw Material Clerk |
| 4321-02 | 43211 | Supply Clerk |
| 4321-03 | 43211 | Warehouse Clerk |
| 4321-04 | 43211 | Receiving Clerk |
| 4321-05 | 43211 | Delivery and Receiving Clerk |
| 4321-06 | 43211 | Store Clerk |
| 4321-07 | 43211 | Raw Material Store Clerk |
| 4321-08 | New | Stock Worker |
| 4321-09 | 43211 | Warehouse Assistant |
| 4321-10 | 43211 | Store Receiving Assistant |
| 4321-11 | 43211 | Store Assistant |
| 4321-12 | 43211 | Store Controller |
| 4321-13 | 43211 | Storekeeper |
| 4321-14 | 43211 | Material Storekeeper |
| 4321-15 | 43211 | Finished Goods Storekeeper |
| 4321-16 | 43211 | Store Coordinator |
| 4321-17 | 43212 | Stock Control Clerk |
| 4321-18 | 43212 | Food and Beverage Control Clerk |
| 4321-19 | 43212 | Stock Clerk |
| 4321-20 | 43212 | Plantation Stock Clerk |
| 4321-21 | 43212 | Stock Record Clerk |
| 4321-22 | 43213 | Weighing Clerk |
| 4321-23 | 43213 | Weighbridge Clerk |
| 4321-24 | 43213 | Weighbridge-Security Controller |
| 4321-25 | 43214 | Shipping Clerk |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 4321-26 | 43215 | Tally Clerk |
| 4321-27 | 43216 | Hotel Linen Supply and Lodging Clerk |
| 4321-28 | 43216 | Hotel Kitchen Clerk |
| 4321-29 | 43216 | Inventory Clerk |
| 4321-30 | 43216 | Inventory Purchasing Clerk |
| 4321-31 | 43217 | Freight Clerk |
| 4321-32 | 43217 | Freight Inward Clerk |
| 4321-33 | 43217 | Freight Routing Clerk |
| 4321-34 | 43217 | Freight Despatching Clerk |
| 4321-35 | 43217 | Freight Receiving Clerk |
| 4321-36 | 43217 | Freight Traffic Clerk |
| 4321-37 | 43217 | Cargo Clerk |
| 4321-38 | 43218 | Import-Export Clerk |
| 4321-39 | 43218 | Grading Clerk |
| 4321-40 | New | Storeroom Clerk |
| 4322 | | PRODUCTION CLERKS |
| 4322-01 | New | Clerk, Production |
| 4322-02 | 43221 | Clerk, Production Control |
| 4322-03 | 43221 | Clerk, Operation |
| 4322-04 | 43221 | Clerk, Plantation |
| 4322-05 | 43221 | Clerk, Engineering |
| 4322-06 | 43221 | Clerk, Quality and Ecology |
| 4322-07 | 43221 | Clerk, Mill Office |
| 4322-08 | 43221 | Clerk, Logging |
| 4322-09 | 43221 | Clerk, Procurement Purchasing |
| 4322-10 | 43221 | Clerk, Packing |
| 4322-11 | 43221 | Clerk, Procurement |
| 4322-12 | 43221 | Clerk, Order Management |
| 4322-13 | 43221 | Clerk, Production Administration |
| 4322-14 | 43221 | Clerk, Maintenance |
| 4322-15 | 43221 | Clerk, Motor Maintenance |
| 4322-16 | 43221 | Clerk, Food and Beverage Research |
| 4322-17 | 43221 | Clerk, Material Planning |
| 4322-18 | 43221 | Clerk, Material Order |
| 4322-19 | 43221 | Site Coordinator |
| 4322-20 | 43222 | Clerk, Tool |
| 4322-21 | 43222 | Clerk, Service |
| 4322-22 | 43222 | Clerk, Site |
| 4322-23 | 43223 | Clerk, Power Plant |
| 4322-24 | 43224 | Clerk, Production Planning |
| 4322-25 | 43226 | Clerk, Technician |
| 4322-26 | 43226 | Clerk, Facility Maintenance |
| 4322-27 | 43226 | Clerk, Technical |
| 4322-28 | 43227 | Clerk, Quality Assurance |
| 4322-29 | 43227 | Clerk, Quantity Control |
| 4322-30 | New | Schedule Clerk (Materials) |
| 4323 | | TRANSPORT CLERKS |
| 4323-01 | 43231 | Logistics Clerk |
| 4323-02 | 43231 | Transport Clerk |
| 4323-03 | 43232 | Claims Clerk, Transport |
| 4323-04 | 43232 | Control Clerk, Train |
| 4323-05 | 43232 | Control Clerk, Railway Service |
| 4323-06 | 43232 | Dispatch Clerk, Train |
| 4323-07 | 43232 | Dispatch Clerk, Railway |
| 4323-08 | 43232 | Railway Yardmaster |
| 4323-09 | 43233 | Inspector, Road Transport Services |
| 4323-10 | 43233 | Inspector, Bus Services |
| 4323-11 | 43233 | Control Clerk, Road Transport Services |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 4323-12 | 43233 | Dispatch Clerk, Bus |
| 4323-13 | 43233 | Dispatch Clerk, Road Transport |
| 4323-14 | 43233 | Dispatch Clerk, Truck |
| 4323-15 | 43234 | Air Transport Operations Clerk |
| 4323-16 | 43234 | Clerk, Flight Operation |
| 4323-17 | 43234 | Dispatch Clerk, Air Transport |
| 4323-18 | 43234 | Clerk, Traffic |
| 4323-19 | 43234 | Control Clerk, Air Transport Service |
| 4323-20 | 43234 | Dispatch Clerk, Aircraft |
| 4323-21 | 43235 | Wharfinger |
| 4323-22 | 43235 | Clerk, Shipping and Purchasing |
| 4323-23 | 43235 | Officer, Ferry |
| 4323-24 | 43235 | Float Master |
| 4323-25 | 43235 | Control Clerk, Sea Transport Services |
| 4323-26 | 43235 | Dispatch Clerk, Boat |
| 4323-27 | 43235 | Dispatch Clerk, Gas Pipeline |
| 4323-28 | 43235 | Dispatch Clerk, Oil Pipeline |
| 4323-29 | 43237 | Coordinator, Shipping |
| 4323-30 | New | Dispatch Clerk, (Transport Service) |
| 4411 | | LIBRARY CLERKS |
| 4411-01 | 44116 | Administrative Assistant (Library), Grade 21 |
| 4411-02 | MIDA | Executive Assistant (Library), Grade 3 |
| 4411-03 | 44111 | Library Clerk |
| 4411-04 | 44113 | Library File Compiler |
| 4411-05 | 44115 | Library Administrative Assistant |
| 4412 | | MAIL CARRIERS AND SORTING CLERKS |
| 4412-01 | 44121 | Postman/woman |
| 4412-02 | 44122 | Clerk, Mail Dispatch |
| 4412-03 | 44122 | Assistant, Mail Dispatch |
| 4412-04 | 44123 | Process Server |
| 4412-05 | 44123 | Summons Server |
| 4412-06 | 44124 | Clerk, Mail Sorting |
| 4412-07 | 44124 | Control Clerk, Mail Depot |
| 4412-08 | 44124 | Control Clerk, Mail |
| 4412-09 | 44124 | Control Clerk, Postal Service |
| 4412-10 | 44125 | Clerk, Mail |
| 4412-11 | 44125 | Clerk, Address List |
| 4412-12 | 44125 | Clerk, Mailing List |
| 4413 | | CODING, PROOF-READING AND RELATED CLERKS |
| 4413-01 | 44131 | Proof-Reader Clerk |
| 4413-02 | 44132 | Coding Clerk, Data Processing |
| 4413-03 | 44132 | Coding Clerk, Statistics |
| 4413-04 | 41101 | Publication Clerk |
| 4413-05 | New | Coding Clerk |
| 4414 | | SCRIBES AND RELATED WORKERS |
| 4414-01 | 44141 | Petition Writer |
| 4414-02 | 44142 | Public Writer |
| 4414-03 | 44143 | Scribe |
| 4415 | | FILING AND COPYING CLERKS |
| 4415-01 | 44151 | Clerk, Filing |
| 4415-02 | 44151 | Clerk, Directory Compilation |
| 4415-03 | 44151 | Compiler, Directory |
| 4415-04 | 44152 | Clerk, Photocopying |
| 4415-05 | 44153 | Document Copying Clerk |
| 4415-06 | 44154 | Document Control Clerk |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 4415-07 | 44155 | Controller, Document |
| 4415-08 | 44156 | Coordinator, Document |
| 4415-09 | 44157 | Clerk, Document |
| 4416 | | PERSONNEL CLERKS |
| 4416-01 | 44161 | Clerk, Employment |
| 4416-02 | 44167 | Clerk, General Affairs |
| 4416-03 | 44167 | Clerk, Personnel |
| 4416-04 | 44167 | Clerk, Personnel Records |
| 4416-05 | 44167 | Clerk, Human Resource |
| 4416-06 | 44167 | Personnel Assistant |
| 4416-07 | 44168 | Clerk, Addressing Machine |
| 4416-08 | 44168 | Clerk, Registration |
| 4416-09 | 44168 | Clerk, Classification |
| 4416-10 | 44168 | Clerk, Probate |
| 4416-11 | New | Human Resource Assistant |
| 4419 | | CLERICAL SUPPORT WORKERS NOT ELSEWHERE CLASSIFIED |
| 4419-01 | 43125 | Economic Affairs Assistant, Grade E17 |
| 4419-02 | 23806 | Training Assistant, Grade E17 |
| 4419-03 | 74218 | Wireless Operator, Grade N17 |
| 4419-04 | 51516 | Wardrobe Supervisor, Grade N17 |
| 4419-05 | MIDA | Executive Assistant (Economics), Grade 3 |
| 4419-06 | 43225 | Clerk, Sales |
| 4419-07 | 43225 | Clerk, Marketing |
| 4419-08 | 43225 | Clerk, Sales and Marketing |
| 4419-09 | 43225 | Clerk, Local Sales |
| 4419-10 | 43225 | Clerk, Sales Counter |
| 4419-11 | 43225 | Clerk, Sales Administration |
| 4419-12 | 43225 | Clerk, Production Sales Administration |
| 4419-13 | 43225 | Clerk, Telesales |
| 4419-14 | 43225 | Clerk, Sales Order |
| 4419-15 | 43225 | Coordinator, Sales |
| 4419-16 | 51514 | Wardrobe Assistant |
| 4419-17 | 44199 | Clipper, Press |
| 4419-18 | 44199 | Clerk, Advertising |
| 5 | 5 | SERVICE AND SALES WORKERS |
| 5111 | | TRAVEL ATTENDANTS AND TRAVEL STEWARDS |
| 5111-01 | 51111 | Ship Cabin Attendant |
| 5111-02 | 51112 | Steward/Stewardess Coordinator |
| 5111-03 | 51112 | Steward/Stewardess Supervisor |
| 5111-04 | 51113 | Floor Steward/Stewardess |
| 5111-05 | 51114 | Flight Attendant |
| 5111-06 | 51115 | Steward/Stewardess |
| 5111-07 | 51117 | Airport Attendant |
| 5111-08 | New | Cabin Crew |
| 5111-09 | New | Flight Crew |
| 5111-10 | New | Ship Steward/Stewardess |
| 5112 | | TRANSPORT CONDUCTORS |
| 5112-01 | 51121 | Bus Conductor |
| 5112-02 | 51122 | Ticket Inspector |
| 5112-03 | 51121 | Ferry/ Boat Conductor |
| 5112-04 | 51121 | Train Conductor |
| 5112-05 | 51121 | Hovercraft Conductor |
| 5112-06 | 51121 | Cable Car Conductor |
| 5112-07 | 51123 | Passenger Guard, Train |
| 5112-08 | 51123 | Railway Guard |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 5112-09 | New | Transport Conductor |
| 5112-10 | New | Tram Conductor |
| 5113 | | TRAVEL GUIDES |
| 5113-01 | 51131 | Tourist Guide |
| 5113-02 | 51131 | Travel Guide |
| 5113-03 | 51132 | Art Gallery Guide |
| 5113-04 | 51132 | Museum Guide |
| 5113-05 | 51133 | Factory Tour Guide |
| 5113-06 | 51134 | Travel Sightseeing Guide |
| 5113-07 | 51134 | Travel Game Park Guide |
| 5113-08 | New | Tour Escort |
| 5121 | | COOKS |
| 5121-01 | 51205 | Food Preparation Assistant, Grade N17 |
| 5121-02 | 51205 | Cook, Grade N17 |
| 5121-03 | 51201 | Chief Cook |
| 5121-04 | 51202 | Cook |
| 5121-05 | 51202 | Cook, Hotel and Catering Services |
| 5121-06 | 51203 | Cook, Private Service |
| 5121-07 | 51204 | Cook, Food Canning & Preserving |
| 5121-08 | 51201 | Helper, Barbecue |
| 5121-09 | 51201 | Commis |
| 5121-10 | 51201 | Cook's Assistant |
| 5131 | | WAITERS |
| 5131-01 | 51311 | Waiter |
| 5131-02 | New | Waiter |
| 5131-03 | 51314 | Waiter, Banquet |
| 5131-04 | 51314 | Food and Beverage Supervisor |
| 5131-05 | 51314 | Outlet Supervisor |
| 5131-06 | 51314 | Restaurant Supervisor |
| 5131-07 | 51315 | Food and Beverage Worker, Banquet |
| 5131-08 | 51316 | Food and Beverage Worker, Room Service |
| 5131-09 | 51317 | Food and Beverage Worker |
| 5132 | | BARTENDERS |
| 5132-01 | 51321 | Bartender |
| 5132-02 | 51322 | Bartender Assistant |
| 5132-03 | 51323 | Food and Beverage Bartender |
| 5132-04 | New | Barista |
| 5141 | | HAIRDRESSERS |
| 5141-01 | 51411 | Coiffeur |
| 5141-02 | 51411 | Hairdresser |
| 5141-03 | 51412 | Barber |
| 5141-04 | 51413 | Hair Stylist |
| 5141-05 | New | Hair Care Specialist |
| 5142 | | BEAUTICIANS AND RELATED WORKERS |
| 5142-01 | 51426 | Beautician, Grade B11 |
| 5142-02 | 51421 | Beautician |
| 5142-03 | 51422 | Make-Up Artist |
| 5142-04 | 51423 | Manicurist |
| 5142-05 | 51424 | Pedicurist |
| 5142-06 | 51425 | Aesthetician |
| 5142-07 | 51427 | Spa Masseur |
| 5142-08 | 51428 | Beauty and Health Therapist |
| 5142-09 | 51429 | Spa Therapist |
| 5142-10 | New | Slimming Consultant |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 5151 | | CLEANING AND HOUSEKEEPING SUPERVISORS IN OFFICES, HOTELS AND OTHER ESTABLISHMENTS |
| 5151-01 | 51511 | Hotel and Lodging Banquet Supervisor |
| 5151-02 | 51511 | Hotel and Lodging Floor Supervisor |
| 5151-03 | 51512 | Housekeeping Supervisor |
| 5151-04 | 51512 | Laundry Supervisor |
| 5151-05 | 51513 | Housekeeper Executive |
| 5151-06 | 51515 | Housekeeper (Hotel) |
| 5151-07 | 51517 | Matron (Housekeeping) |
| 5151-08 | 51524 | Housekeeping Supervisor, Public Area |
| 5151-09 | New | Housekeeping and Catering Service Supervisor |
| 5151-10 | 51521 | Floor Steward, Hotel and Lodging |
| 5151-11 | 91122 | Bell Captain, Hotel and Lodging |
| 5151-12 | New | Room Steward |
| 5152 | | DOMESTIC HOUSEKEEPERS |
| 5152-01 | New | Housekeeper, Private |
| 5152-02 | New | Butler |
| 5152-03 | New | Domestic Housekeeper |
| 5152-04 | 51525 | House Steward, Private |
| 5152-05 | 51524 | Housekeeping Worker, Private Room |
| 5152-06 | 51524 | Housekeeping Worker, Private |
| 5153 | | BUILDING CARETAKERS |
| 5153-01 | 51532 | Hostel Supervisor, Grade N17 |
| 5153-02 | 51531 | Building Caretaker |
| 5153-03 | 51522 | Warden, Hostel |
| 5153-04 | 51522 | Warden, Dormitory |
| 5153-05 | 51522 | Warden, Camp |
| 5153-06 | 51534 | Sexton |
| 5153-07 | 51534 | Mosque Caretaker |
| 5153-08 | 51513 | Floor Captain |
| 5153-09 | New | Janitor |
| 5153-10 | 51522 | Camp Supervisor |
| 5161 | | ASTROLOGERS, FORTUNE-TELLERS AND RELATED WORKERS |
| 5161-01 | 51611 | Astrologer |
| 5161-02 | 51612 | Palmist |
| 5161-03 | 51613 | Fortune-Teller |
| 5161-04 | 51614 | Numerologist |
| 5162 | | COMPANIONS AND VALETS |
| 5162-01 | 51623 | Lady-in-Waiting |
| 5162-02 | 51621 | Companion |
| 5162-03 | 51621 | Companion, Social |
| 5162-04 | 51622 | Valet |
| 5163 | | UNDERTAKERS AND EMBALMERS |
| 5163-01 | 51631 | Attendant, Mortuary |
| 5163-02 | 51631 | Undertaker |
| 5163-03 | 51632 | Embalmer |
| 5163-04 | New | Moirologist |
| 5163-05 | 51633 | Attendant, Crematorium |
| 5163-06 | 93133 | Grave Digger |
| 5164 | | PET GROOMERS AND ANIMAL CARE WORKERS |
| 5164-01 | New | Specialised General Worker (Mahout), Grade R3 |
| 5164-02 | 51642 | Animal Caretaker |
| 5164-03 | 51643 | Keeper in Zoo, Bird and Aquatic Parks |
| 5164-04 | New | Zookeeper |
| 5164-05 | 51641 | Veterinary Aide |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 5165 | | DRIVING INSTRUCTORS |
| 5165-01 | 51651 | Driving Instructor |
| 5169 | | PERSONAL SERVICES WORKERS NOT ELSEWHERE CLASSIFIED |
| 5169-01 | New | Social Escort |
| 5169-02 | New | Club Host |
| 5169-03 | New | Dance Partner |
| 5169-04 | New | Guest Relations Officer |
| 5211 | | STALL AND MARKET SALESPERSONS |
| 5211-01 | 52111 | Street Stall Salesperson |
| 5211-02 | 52112 | Market Salesperson |
| 5211-03 | 52113 | Kiosk Salesperson |
| 5211-04 | 52114 | Counter Sales Promoter |
| 5211-05 | 52115 | Florist |
| 5211-06 | 52116 | Butcher |
| 5211-07 | 52116 | Fishmonger |
| 5211-08 | 52117 | Wholesale and Retail Salesperson |
| 5211-09 | New | Market Vendor |
| 5211-10 | New | Market Stallholder |
| 5211-11 | 52431 | Salesperson, Marketing |
| 5212 | | STREET FOOD SALESPERSONS |
| 5212-01 | 52121 | Hawker (Food) |
| 5212-02 | 52122 | Street Food Vendor |
| 5221 | | SHOPKEEPERS |
| 5221-01 | 52211 | Shopkeeper |
| 5221-02 | New | Grocer |
| 5221-03 | New | Newsagent |
| 5222 | | SHOP SUPERVISORS |
| 5222-01 | New | Shop Supervisor |
| 5222-02 | 52221 | Sales Supervisor |
| 5222-03 | New | Supermarket Supervisor |
| 5222-04 | New | Checkout Supervisor |
| 5223 | | SHOP SALES ASSISTANTS |
| 5223-01 | 52231 | Sales Assistant |
| 5223-02 | 52231 | Shop Assistant |
| 5223-03 | New | Salesperson (Retail Establishment) |
| 5223-04 | New | Salesperson (Wholesale Establishment) |
| 5231 | | CASHIERS AND TICKET CLERKS |
| 5231-01 | 52301 | Cashier |
| 5231-02 | 52301 | Cashier, Office of Supervisor |
| 5231-03 | 52301 | Cashier, Assistant |
| 5231-04 | 52301 | Cashier, Parking |
| 5231-05 | 52302 | Cashier, Box Office |
| 5231-06 | 52303 | Cashier, Store |
| 5231-07 | 52303 | Cashier, Petrol Station |
| 5231-08 | 52304 | Cashier, Theatre |
| 5231-09 | 52305 | Cashier, Cafeteria |
| 5231-10 | 52305 | Cashier, Food and Beverage |
| 5231-11 | 52305 | Cashier, Restaurant |
| 5231-12 | 52306 | Cashier, Reservation Office |
| 5231-13 | 52306 | Cashier, Race Track |
| 5231-14 | 52307 | Clerk, Ticket Issuing (Except Travel) |
| 5231-15 | 52308 | Cashier, Check-Out |
| 5231-16 | 52309 | Cashier, Cash Desk |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 5231-17 | 52309 | Cashier, Exchange Booth |
| 5231-18 | 52309 | Cashier, Currency Exchange |
| 5231-19 | 52309 | Clerk, Toll Collection |
| 5231-20 | New | Toll Teller |
| 5231-21 | New | Cashier, Park |
| 5241 | | FASHION AND OTHER MODELS |
| 5241-01 | 52411 | Fashion Model |
| 5241-02 | 52412 | Advertising Model |
| 5241-03 | 52413 | Artist's Model |
| 5242 | | SALES DEMONSTRATORS |
| 5242-01 | 52421 | Demonstrator |
| 5242-02 | 52422 | Sales Promoter |
| 5242-03 | 52423 | Sales Merchandiser |
| 5243 | | DOOR-TO-DOOR SALESPERSONS |
| 5243-01 | 52433 | Direct Selling Salesperson |
| 5243-02 | New | Door-to-Door Salesperson |
| 5243-03 | New | Door-to-Door Sales Representative |
| 5244 | | CONTACT CENTRE SALESPERSONS |
| 5244-01 | 52441 | Customer Contact Centre Salesperson |
| 5244-02 | New | Contact Centre Personnel |
| 5244-03 | New | Outbound Contact Centre Consultant |
| 5244-04 | New | Telesales Agent |
| 5244-05 | New | Telesales Executive |
| 5244-06 | New | Telesales Representative |
| 5244-07 | 42224 | Telemarketer |
| 5244-08 | New | Call Centre Salesperson |
| 5244-09 | New | Internet Salesperson |
| 5245 | | SERVICE STATION AND PUMP ATTENDANTS |
| 5245-01 | 52451 | Petrol Pump Attendant |
| 5245-02 | 52452 | Service Station Attendant |
| 5246 | | FOOD COUNTER ATTENDANTS |
| 5246-01 | 52461 | Food Counter Atendant |
| 5246-02 | New | Cafeteria Counter Attendant |
| 5249 | | SALES WORKERS NOT ELSEWHERE CLASSIFIED |
| 5249-01 | New | Rental Salesperson |
| 5311 | | CHILD CARE WORKERS |
| 5311-01 | 53111 | Child Care Worker |
| 5311-02 | 53115 | Amah |
| 5311-03 | 53115 | Nanny |
| 5311-04 | 53115 | Babysitter |
| 5312 | | TEACHER'S AIDES |
| 5312-01 | 53122 | Pupil Management Assistant, Grade nN17 |
| 5312-02 | 53121 | Teacher's Aide |
| 5312-03 | New | Pre-school Assistant |
| 5312-04 | 53112 | Kindergarten Assistant |
| 5312-05 | 53113 | Kindergarten Attendant |
| 5312-06 | 53114 | Kindergarten Worker |
| 5321 | | HEALTH CARE ASSISTANTS |
| 5321-01 | JPA | Health Assistant, Grade U3 |
| 5321-02 | 53215 | Public Health Assistant, Grade U11 |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 5321-03 | 53211 | Nursing Assistant |
| 5321-04 | 53211 | Nursing Medical Assistant |
| 5321-05 | 53211 | Home Care Assistant |
| 5321-06 | 53211 | Dental Aide |
| 5321-07 | 53214 | Hospital Aide |
| 5321-08 | New | Birth Assistant (Clinic or Hospital) |
| 5321-09 | New | Nursing Aide (Clinic Or Hospital) |
| 5321-10 | New | Patient Care Assistant |
| 5321-11 | New | Psychiatric Aide |
| 5322 | | HOME-BASED PERSONAL CARE WORKERS |
| 5322-01 | New | Care Aide (Home) |
| 5322-02 | New | Birth Assistant (Home) |
| 5322-03 | New | Nursing Aide (Home) |
| 5322-04 | New | Personal Care Provider |
| 5329 | | PERSONAL CARE WORKERS IN HEALTH SERVICES NOT ELSEWHERE CLASSIFIED |
| 5329-01 | New | First-Aid Attendant |
| 5329-02 | New | Medical Imaging Assistant |
| 5329-03 | New | Phlebotomist |
| 5329-04 | New | Sterilisation Aide |
| 5411 | | FIRE FIGHTERS |
| 5411-01 | 54113 | Fire Officer, Grade KB17 |
| 5411-02 | 54112 | Fire Fighter |
| 5411-03 | 54114 | Fire Prevention Officer |
| 5411-04 | New | Forest Fire Fighter |
| 5412 | | POLICE OFFICERS |
| 5412-01 | 54126 | Low-Ranking Police Officer and Auxiliary Constable, Grade YT1 |
| 5412-02 | 54127 | Low-Ranking Police Officer and Aboriginal Constable, Grade YP1 |
| 5412-03 | 54123 | Police Volunteer |
| 5412-04 | 54123 | Police Patrol Officer |
| 5413 | | PRISON GUARDS |
| 5413-01 | 54133 | Prison Officer, Grade KX17 |
| 5413-02 | 54131 | Prison Guard |
| 5413-03 | 54132 | Prison Warden |
| 5414 | | SECURITY GUARDS |
| 5414-01 | 54142 | Security Assistant, Grade KP17 |
| 5414-02 | 54144 | Security Guard, Grade KP11 |
| 5414-03 | 54148 | Administrative Assistant (Security), Grade 21 |
| 5414-04 | 96293 | General Assistant (Security Guard), Grade 1 |
| 5414-05 | MIDA | General Assistant (Security), Grade 1 |
| 5414-06 | 54141 | Guard, Gambling Activities |
| 5414-07 | 54196 | Bodyguard |
| 5414-08 | 54141 | Guard, Industrial Warehouse Department |
| 5414-09 | 54141 | Guard, Private Security |
| 5414-10 | 54145 | Guard |
| 5414-11 | 54145 | Security Guard |
| 5414-12 | 54146 | Office Guard |
| 5414-13 | 54147 | Watchman |
| 5414-14 | New | Safety Supervisor |
| 5414-15 | New | Security Supervisor |
| 5414-16 | New | Museum Guard |
| 5414-17 | New | Security Patrolman |
| 5414-18 | New | Doorkeeper |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 5415 | | IMMIGRATION/ CUSTOMS OFFICERS AND ASSISTANTS |
| 5415-01 | 54151 | Immigration Officer, Grade KP17 |
| 5415-02 | 54152 | Customs Superintendent Assistant, Grade W17 |
| 5419 | | PROTECTIVE SERVICES WORKERS NOT ELSEWHERE CLASSIFIED |
| 5419-01 | 54191 | Lifeguard, Grade N1 |
| 5419-02 | JPA | Maritime Enforcement Officers of Other Ranks, Grade X1 |
| 5419-03 | 54191 | Game Warden |
| 5419-04 | 54192 | Park Warden, Animal Recreation |
| 5419-05 | 54192 | Wildlife Warden |
| 5419-06 | 54196 | Industrial Investigator |
| 5419-07 | 54196 | Recreation Supervisor |
| 5419-08 | 54196 | Swimming Pool Attendant |
| 5419-09 | 54196 | Lifeguard |
| 5419-10 | 54196 | Rescue Diver |
| 5419-11 | 54196 | Coastguard |
| 5419-12 | New | Traffic Warden |
| 5419-13 | New | Highway Patrol |
| 5419-14 | 54123 | Traffic Controller |
| 5419-15 | New | Animal Control Officer |
| 5419-16 | New | Beach Patrolman/woman |
| 5419-17 | New | Crossing Guard |
| 6 | | SKILLED AGRICULTURAL, FORESTRY, LIVESTOCK AND FISHERY WORKERS |
| 6111 | | FIELD CROP GROWERS |
| 6111-01 | New | Grower, Field Crop |
| 6111-02 | 61116 | Grower, Rubber |
| 6111-03 | 61117 | Grower, Coconut |
| 6111-04 | 61117 | Grower, Oil Palm |
| 6111-05 | 61111 | Farmer, Papaya |
| 6111-06 | 61111 | Farmer, Banana |
| 6111-07 | 61111 | Grower, Abaca |
| 6111-08 | 61111 | Grower, Dragon Fruit |
| 6111-09 | 61111 | Grower, Pineapple |
| 6111-10 | 61112 | Grower, Intercropping |
| 6111-11 | 61114 | Grower, Paddy |
| 6111-12 | 31425 | Conductor, Field and Factory Rubber Plantation |
| 6111-13 | 31425 | Conductor, Field and Factory Oil Palm Plantation |
| 6111-14 | 31425 | Quality Inspector, Plantation |
| 6111-15 | 31425 | Mandore, Plantation |
| 6111-16 | 31425 | Checker, Plantation |
| 6111-17 | 31425 | Grader, Oil Palm |
| 6111-18 | 31425 | Supervisor, Plantation |
| 6111-19 | New | Skilled Farm Worker (Field Crops) |
| 6111-20 | New | Grower, Tobacco |
| 6112 | | SHRUB CROP GROWERS |
| 6112-01 | 61121 | Grower, Shrub Trees |
| 6112-02 | 61122 | Grower, Coco |
| 6112-03 | 61122 | Grower, Tea |
| 6112-04 | 61123 | Grower, Pomegranate |
| 6112-05 | 61124 | Grower, Coffee |
| 6112-06 | 61125 | Grower, Grape |
| 6112-07 | 61125 | Grower, Cluster Fruit |
| 6113 | | GARDENERS, HORTICULTURAL AND NURSERY GROWERS |
| 6113-01 | 92141 | Gardener |
| 6113-02 | 61131 | Flower Grower |
| 6113-03 | 61131 | Horticulturist |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 6113-04 | 61131 | Hydroponics Grower |
| 6113-05 | 61132 | Mushroom Cultivator |
| 6113-06 | 61133 | Bonsai Grower |
| 6113-07 | New | Landscape Gardener |
| 6114 | | MIXED CROP GROWERS |
| 6114-01 | 61141 | Mixed Crop Grower |
| 6114-02 | New | Mixed Crop Farmer |
| 6114-03 | New | Skilled Farm Worker (Mixed Crops) |
| 6115 | | VEGETABLE GROWERS |
| 6115-01 | 61151 | Vegetable Grower |
| 6115-02 | 61152 | Lentil Grower |
| 6115-03 | 61153 | Black Pepper Farmer |
| 6115-04 | New | Chilli Farmer |
| 6121 | | LIVESTOCK AND DAIRY PRODUCERS |
| 6121-01 | 61211 | Breeder, Livestock |
| 6121-02 | 61211 | Breeder, Dairy |
| 6121-03 | 61212 | Skilled Farm Worker, Mixed Animal Husbandry |
| 6121-04 | 61213 | Producer, Dairy |
| 6121-05 | 61214 | Farmer, Livestock |
| 6121-06 | New | Farmer |
| 6121-07 | New | Farmer, Pig |
| 6121-08 | 92121 | Shepherd |
| 6121-09 | New | Producer, Livestock |
| 6121-10 | New | Breeder, Horse |
| 6121-11 | 61299 | Milker |
| 6122 | | POULTRY PRODUCERS |
| 6122-01 | 61221 | Farmer, Goose |
| 6122-02 | 61221 | Farmer, Chicken |
| 6122-03 | 61221 | Farmer, Bird |
| 6122-04 | 61221 | Farmer, Duck |
| 6122-05 | New | Poultry Breeder |
| 6122-06 | New | Farmer, Poultry |
| 6122-07 | New | Ostrich Farmer |
| 6123 | | APIARISTS AND SERICULTURISTS |
| 6123-01 | New | Apiculturist |
| 6123-02 | New | Sericulturist |
| 6123-03 | 61291 | Farmer, Leech |
| 6123-04 | 61292 | Farmer, Worm |
| 6123-05 | 61293 | Farmer, Silkworm |
| 6123-06 | 61294 | Farmer, Honey Bee |
| 6123-07 | 61294 | Worker, Bee Keeping |
| 6123-08 | 61297 | Worker, Sericulture |
| 6123-09 | 61299 | Hatchery Worker |
| 6123-10 | New | Farmer, Insect |
| 6129 | | ANIMAL PRODUCERS AND RELATED WORKERS NOT ELSEWHERE CLASSIFIED |
| 6129-01 | 61295 | Inseminator, Poultry |
| 6129-02 | 61296 | Vaccinator |
| 6129-03 | 61297 | Worker, Incubator |
| 6129-04 | New | Fur Farmer (Non-Domesticated Animals) |
| 6129-05 | New | Breeder, Fighting Cock |
| 6129-06 | New | Farmer, Snake |
| 6129-07 | 61234 | Farmer, Crocodile |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 6131 | | MIXED CROP AND ANIMAL PRODUCERS |
| 6131-01 | 61301 | Mixed Product Farmer (Crops and Husbandry) |
| 6131-02 | New | Farmer (Mixed Farming) |
| 6131-03 | New | Skilled Farm Worker (Mixed Farming) |
| 6211 | | SKILLED FORESTRY AND RELATED WORKERS |
| 6211-01 | 62115 | Forest Guard, Grade G11 |
| 6211-02 | 54199 | Junior Wildlife Assistant, Grade G11 |
| 6211-03 | 62111 | Logger |
| 6211-04 | New | Tree Feller |
| 6211-05 | 62111 | Chaser |
| 6211-06 | 62111 | High Climber, Logging |
| 6211-07 | 62111 | Logger, Underwater |
| 6211-08 | 62111 | Marker, Log |
| 6211-09 | 62111 | Log Feller |
| 6211-10 | 62111 | Grader, Log |
| 6211-11 | 62111 | Scaler, Log |
| 6211-12 | 62113 | Signalman, Log |
| 6211-13 | 62113 | Operator, Yarder |
| 6211-14 | 62113 | Operator, Log-Grapple |
| 6211-15 | 62113 | Skilled Worker, Forestry |
| 6211-16 | 62113 | Maker, Log-Raft |
| 6211-17 | 62113 | Checker, Log |
| 6211-18 | 62113 | Forester |
| 6211-19 | 62113 | Chokerman, Logging |
| 6211-20 | 62113 | Peeler, Log |
| 6211-21 | 62113 | Supervisor, Log |
| 6211-22 | New | Charcoal Burner |
| 6211-23 | New | Logging Climber |
| 6221 | | FISHERY AND AQUACULTURE PRODUCERS |
| 6221-01 | New | Farmer, Fishery Livestock |
| 6221-02 | 61232 | Farmer, Fishery |
| 6221-03 | 62211 | Pearl Culturist |
| 6221-04 | New | Skilled Fish Farm Worker |
| 6221-05 | New | Algae Cultivator |
| 6221-06 | New | Skilled Seafood Farm Worker |
| 6221-07 | 61231 | Farmer, Ornamental Fish |
| 6221-08 | 61232 | Farmer, Shellfish |
| 6221-09 | 61233 | Farmer, Sea Cucumber |
| 6221-10 | New | Farmer, Turtle |
| 6221-11 | 61235 | Producer, Marine Product |
| 6221-12 | New | Farmer, Aquaculture |
| 6221-13 | New | Seafood Farmer |
| 6221-14 | New | Oyster Farmer |
| 6221-15 | New | Pearl Cultivator |
| 6221-16 | New | Producer, Crackers |
| 6221-17 | New | Producer, <i>Otak-Otak</i> |
| 6221-18 | New | Producer, Fishball |
| 6222 | | SKILLED INLAND AND COASTAL WATERS FISHERY WORKERS |
| 6222-01 | 62221 | Fishery Worker, <i>Kelong</i> |
| 6222-02 | 62221 | Fishery Worker, Inland |
| 6222-03 | 62222 | Fishery Worker, Coastal |
| 6222-04 | 62223 | Diver, Pearl |
| 6222-05 | 62223 | Diver, Oyster |
| 6222-06 | 62225 | Crewman |
| 6222-07 | 62225 | Anchorman |
| 6222-08 | 62226 | Commercial Fisherman |
| 6222-09 | New | Fishery Worker |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 6222-10 | New | Fisherman (Coastal Waters) |
| 6222-11 | New | Fisherman (Inland Waters) |
| 6223 | | SKILLED DEEP-SEA FISHERY WORKERS |
| 6223-01 | 62231 | Fishery Worker, Deep-Sea |
| 6223-02 | New | Fisherman (Deep Sea) |
| 6223-03 | New | Trawler Crewman |
| 6224 | | HUNTERS AND TRAPPERS |
| 6224-01 | 62241 | Hunter |
| 6224-02 | 62242 | Trapper |
| 6224-03 | New | Fur Trapper |
| 6224-04 | New | Whale Hunter |
| 6311 | | SUBSISTENCE CROP FARMERS |
| 6311-01 | 63101 | Subsistence Crop Grower |
| 6321 | | SUBSISTENCE LIVESTOCK FARMERS |
| 6321-01 | 63201 | Subsistence Livestock Farmer |
| 6331 | | SUBSISTENCE MIXED CROP AND LIVESTOCK FARMERS |
| 6331-01 | 63301 | Subsistence Mixed Crop and Livestock Farmer |
| 6341 | | SUBSISTENCE FISHERMEN, HUNTERS, TRAPPERS AND GATHERERS |
| 6341-01 | 63401 | Collector, Petai |
| 6341-02 | 63402 | Collector, Resin |
| 6341-03 | 63404 | Gatherer, Shellfish |
| 6341-04 | 63405 | Collector, Bird's Nest |
| 6341-05 | 63406 | Gatherer, Seaweed |
| 6341-06 | 63407 | Gatherer, Wild Fruit, Herbs and Vegetables |
| 6341-07 | New | Subsistence Fisherman |
| 6341-08 | New | Subsistence Collector |
| 6341-09 | New | Collector, Ornamental Stone |
| 6341-10 | New | Gatherer, Coconut Sap |
| 6341-11 | New | Gatherer, Honey |
| 7 | | CRAFT AND RELATED TRADES WORKERS |
| 7111 | | HOUSE BUILDERS |
| 7111-01 | 71112 | House Builder |
| 7112 | | BRICKLAYERS AND RELATED WORKERS |
| 7112-01 | 71121 | Bricklayer |
| 7112-02 | 71123 | Stonemason |
| 7112-03 | 71124 | Firebrick Layer |
| 7112-04 | 71125 | Paviour |
| 7112-05 | 71135 | Stonework Layout Man |
| 7112-06 | New | Blocklayer |
| 7112-07 | New | Refractory bricklayer |
| 7112-08 | New | Chimney Builder |
| 7113 | | STONEMASONS, STONE CUTTERS, SPLITTERS AND CARVERS |
| 7113-01 | New | Tradesman K3 – Mason, Grade R9 |
| 7113-02 | 71131 | Splitter, Stone |
| 7113-03 | 71132 | Stone Lathe Worker |
| 7113-04 | 71132 | Cutter, Stone |
| 7113-05 | 71132 | Sawyer, Stone |
| 7113-06 | 71133 | Grader, Stone |
| 7113-07 | 71134 | Carver, Stone |
| 7113-08 | 71136 | Grinder, Stone |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 7113-09 | 71137 | Carver-Setter, Monument |
| 7113-10 | 71138 | Polisher, Stone |
| 7113-11 | 71139 | Cutter, Granite |
| 7113-12 | 71139 | Dresser, Stone |
| 7113-13 | 71122 | Stonemason |
| 7113-14 | 71139 | Splitter, Sand |
| 7113-15 | New | Finisher, Stone |
| 7114 | | CONCRETE PLACERS, CONCRETE FINISHERS AND RELATED WORKERS |
| 7114-01 | 71141 | Reinforced Concrete Worker |
| 7114-02 | 71142 | Shutterer, Concrete Moulding |
| 7114-03 | 71142 | Shutterer, Concrete |
| 7114-04 | 71143 | Worker, Iron Reinforcing |
| 7114-05 | 71143 | Steel Bender |
| 7114-06 | 71144 | Finisher, Cement |
| 7114-07 | 71145 | Cementer |
| 7114-08 | 71145 | Cementer, Petroleum and Gas Wells |
| 7114-09 | 71146 | Steel Fixer |
| 7115 | | CARPENTERS AND JOINERS |
| 7115-01 | JPA | Tradesman K3 – Carpenter, Grade R9 |
| 7115-02 | JPA | Tradesman K3 – Joiner, Grade R9 |
| 7115-03 | 71151 | Carpenter |
| 7115-04 | 71152 | Carpenter, Construction |
| 7115-05 | 71153 | Joiner, Construction |
| 7115-06 | 71154 | Joiner, Ship |
| 7115-07 | 71155 | Boatbuilder, Wood |
| 7115-08 | 71155 | Shipwright, Wood |
| 7115-09 | 71155 | Carpenter, Ship |
| 7115-10 | 71156 | Joiner, Aircraft |
| 7115-11 | 71157 | Carpenter, Stage and Studio |
| 7115-12 | 71158 | Carpenter, Table |
| 7115-13 | 71159 | Wood Engraver |
| 7115-14 | New | Joiner |
| 7115-15 | New | Framer, Wood |
| 7119 | | BUILDING FRAME AND RELATED TRADES WORKERS NOT ELSEWHERE CLASSIFIED |
| 7119-01 | 71191 | Worker, Building Maintenance |
| 7119-02 | 71192 | Pipe Layer |
| 7119-03 | 71192 | Drain Layer |
| 7119-04 | 71193 | Scaffolder |
| 7119-05 | 71194 | Skilled Demolition Worker |
| 7119-06 | 71195 | Erector, Billboard |
| 7119-07 | 71196 | Steeplejack |
| 7119-08 | New | Building Frame Worker |
| 7119-09 | New | Erector |
| 7121 | | ROOFERS |
| 7121-01 | New | Roofer |
| 7121-02 | 71211 | Roofer, Thatch |
| 7121-03 | 71211 | Roofer, Nipa |
| 7121-04 | 71213 | Roofer, Asphalt |
| 7121-05 | 71213 | Roofer, Asbestos |
| 7121-06 | 71215 | Roofer, Slate |
| 7121-07 | 71215 | Roofer, Zinc |
| 7121-08 | 71217 | Installer, Awning |
| 7121-09 | 71219 | Installer, Ceiling |
| 7121-10 | 71212 | Roofer, Odd Job |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 7122 | | FLOOR LAYERS AND TILE SETTERS |
| 7122-01 | 71221 | Installer, Tile |
| 7122-02 | 71221 | Tile Setter |
| 7122-03 | 71222 | Marble Setter |
| 7122-04 | 71223 | Parquetry Worker |
| 7122-05 | 71224 | Cutter-Setter, Mosaic |
| 7122-06 | 71225 | Tile Layer |
| 7122-07 | 71226 | Marble Cutter |
| 7122-08 | 71227 | Marble Polisher |
| 7123 | | PLASTERERS |
| 7123-01 | 71231 | Plasterer |
| 7123-02 | 71232 | Plasterer, Stucco |
| 7123-03 | 71233 | Plasterer, Fibrous |
| 7123-04 | 71234 | Plasterer, Ornamental |
| 7123-05 | New | Plasterer, Solid |
| 7124 | | INSULATION WORKERS |
| 7124-01 | 71246 | Insulation Worker |
| 7124-02 | 71241 | Insulation Worker, Building |
| 7124-03 | 71242 | Insulation Worker, Boiler |
| 7124-04 | 71242 | Insulation Worker, Pipe |
| 7124-05 | 71243 | Insulation Worker, Acoustical |
| 7124-06 | 71244 | Insulation Worker, Refrigeration Equipment |
| 7124-07 | 71244 | Insulation Worker, Air-Conditioning Equipment |
| 7124-08 | 71245 | Insulation Worker, Sound-Proofing |
| 7124-09 | New | Insulation Installer |
| 7125 | | GLAZIERS |
| 7125-01 | New | Glazier |
| 7125-02 | 71251 | Glazier, Building |
| 7125-03 | 71252 | Glazier, Vehicle |
| 7125-04 | 71253 | Glazier, Leaded-Glass |
| 7125-05 | 71254 | Glazier, Patent Roofing |
| 7125-06 | 71255 | Glazier, Plate-Glass |
| 7125-07 | New | Glazier, Roofing |
| 7126 | | PLUMBERS AND PIPE FITTERS |
| 7126-01 | 71263 | Tradesman K1, Grade R17 |
| 7126-02 | 71264 | Tradesman K2, Grade R11 |
| 7126-03 | 71265 | Tradesman K3, Grade R9 |
| 7126-04 | 71261 | Plumber |
| 7126-05 | 71262 | Pipe Fitter |
| 7126-06 | 71262 | Pipe Tube Fitter, Aircraft |
| 7126-07 | 71262 | Pipe Fitter, Water Supply |
| 7126-08 | 71262 | Pipe Fitter, Sewerage |
| 7126-09 | 71262 | Pipe Fitter, Marine |
| 7126-10 | 71262 | Pipe Fitter, Ventilation |
| 7126-11 | 71266 | Well Digger |
| 7126-12 | New | Fitter |
| 7127 | | AIR CONDITIONING AND REFRIGERATION MECHANICS |
| 7127-01 | New | Tradesman K2 - Refrigeration Mechanic, Grade R11 |
| 7127-02 | 71271 | Refrigeration Equipment Mechanic |
| 7127-03 | 71271 | Air-Conditioning Equipment Mechanic |
| 7131 | | PAINTERS AND RELATED WORKERS |
| 7131-01 | New | Tradesman K3 - Painter and Writer, Grade R9 |
| 7131-02 | New | Painter |
| 7131-03 | 73162 | Painter, Glass |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 7131-04 | 73162 | Painter, Ceramics |
| 7131-05 | 71311 | Painter, Building |
| 7131-06 | 71312 | Painter, Steel Structure |
| 7131-07 | 71313 | Wallpaper Hanger |
| 7131-08 | 71323 | Painter, Manufactured Articles |
| 7131-09 | 71324 | Painter, Metal |
| 7131-10 | 71327 | Signpainter |
| 7131-11 | 71328 | Painter, Ship Hull |
| 7132 | | SPRAY PAINTERS AND VARNISHERS |
| 7132-01 | 71329 | Spray Painter |
| 7132-02 | 71321 | Spray Painter, Metal |
| 7132-03 | 71322 | Spray Painter, Vehicles |
| 7132-04 | New | Varnisher |
| 7132-05 | 71325 | Varnisher, Manufactured Articles |
| 7132-06 | 71326 | Varnisher, Metal |
| 7132-07 | New | Varnisher, Wood |
| 7132-08 | New | Varnisher, Rattan |
| 7133 | | BUILDING STRUCTURE CLEANERS |
| 7133-01 | 71331 | Cleaner, Building Exteriors |
| 7133-02 | 71332 | Sandblaster (Building Exteriors) |
| 7133-03 | New | Chimney Sweeper |
| 7211 | | METAL MOULDERS AND COREMAKERS |
| 7211-01 | New | Tradesman – Moulder, Grade R11 |
| 7211-02 | 72111 | Mould Maker |
| 7211-03 | 72111 | Mould Repairer, Foundry |
| 7211-04 | 72111 | Flooring Moulder, Foundry |
| 7211-05 | 72111 | Moulder, Metal |
| 7211-06 | 72111 | Moulder, Pit Foundry |
| 7211-07 | New | Coremaker |
| 7211-08 | 72112 | Coremaker, Metal |
| 7211-09 | 72112 | Core Checker, Foundry |
| 7211-10 | New | Moulder |
| 7212 | | WELDERS AND FLAME CUTTERS |
| 7212-01 | JPA | Tradesman K2 - Welder (Actelene), Grade R11 |
| 7212-02 | JPA | Tradesman K2 - Welder (Electric), Grade R11 |
| 7212-03 | 72121 | Welder |
| 7212-04 | 72123 | Flame Cutter |
| 7212-05 | 72122 | Foreman, Welder |
| 7212-06 | 72125 | Plumbum Burner |
| 7212-07 | 72127 | Gas Tungsten Arc Welder |
| 7212-08 | 72128 | Underwater Welder |
| 7212-09 | 72134 | Brazier |
| 7213 | | SHEET-METAL WORKERS |
| 7213-01 | JPA | Tradesman K2 - Sheet-Metal Worker, Grade R11 |
| 7213-02 | JPA | Tradesman – Boilermaker, Grade R11 |
| 7213-03 | 72131 | Sheet-Metal Worker |
| 7213-04 | 72132 | Coppersmith |
| 7213-05 | 72133 | Boilermaker |
| 7213-06 | 72133 | Borer |
| 7213-07 | 72135 | Sheet-Metal Worker, Vehicle |
| 7213-08 | 72135 | Sheet Metal Worker, Ornamental |
| 7213-09 | 72135 | Sheet Metal Worker, Aircraft |
| 7213-10 | 72135 | Panel Beater, Vehicle |
| 7213-11 | 72135 | Panel Beater, Aircraft |
| 7213-12 | 72136 | Marker, Sheet-Metal |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 7213-13 | New | Tinsmith |
| 7213-14 | 72124 | Solderer, Metal |
| 7213-15 | 72126 | Solderer |
| 7214 | | STRUCTURAL-METAL PREPARERS AND ERECTORS |
| 7214-01 | 72141 | Structural Steel Worker |
| 7214-02 | 72142 | Erector, Constructional Steel |
| 7214-03 | 72143 | Ship Plater |
| 7214-04 | 72144 | Riveter |
| 7214-05 | 72145 | Marker, Structural Metal |
| 7214-06 | 72146 | Shipwright, Metal |
| 7214-07 | 72147 | Erector, Structural Metal |
| 7214-08 | 72148 | Preparer, Structural Metal |
| 7215 | | RIGGERS AND CABLE SPICERS |
| 7215-01 | New | Tradesman K2 - Cable Splicer, Grade R11 |
| 7215-02 | New | Tradesman K3 - Erector (Electrical Equipment), Grade R9 |
| 7215-03 | 72159 | Rigger |
| 7215-04 | 72152 | Rigger, Hoisting Equipment |
| 7215-05 | 72151 | Rigger, Construction Hoisting Equipment |
| 7215-06 | 72153 | Rigger, Logging |
| 7215-07 | 72154 | Rigger, Ship |
| 7215-08 | 72155 | Rigger, Petroleum and Gas Well Drilling |
| 7215-09 | 72156 | Splicer, Rope and Cable |
| 7215-10 | 72157 | Rigger, Aircraft |
| 7215-11 | 72158 | Rigger, Railway Cable |
| 7221 | | BLACKSMITHS, HAMMERSMITHS AND FORGING-PRESS WORKERS |
| 7221-01 | New | Tradesman K2 – Blacksmith, Grade R11 |
| 7221-02 | 72211 | Blacksmith |
| 7221-03 | 72212 | Hammersmith |
| 7221-04 | 72213 | Worker, Drop Hammer |
| 7221-05 | 72214 | Worker, Metal Forging |
| 7221-06 | 72215 | Toolsmith |
| 7222 | | TOOLMAKERS AND RELATED WORKERS |
| 7222-01 | New | Tradesman K1 – Toolmaker, Grade R17 |
| 7222-02 | New | Tradesman K3 – Loopmaker, Grade R9 |
| 7222-03 | 72221 | Tool and Die Maker |
| 7222-04 | 72222 | Pattern-Maker, Metal Foundry |
| 7222-05 | 72223 | Jig Maker and Fixture |
| 7222-06 | 72224 | Marker, Metal |
| 7222-07 | 72225 | Keysmith |
| 7222-08 | 72225 | Locksmith |
| 7222-09 | 72226 | Gunsmith |
| 7223 | | METAL WORKING MACHINE TOOL SETTERS AND OPERATORS |
| 7223-01 | 72231 | Metal Working Machine Adjuster |
| 7223-02 | 72231 | Metal Working Machine Operator |
| 7223-03 | 72231 | Metal Working Machine Setter |
| 7223-04 | New | Boring Machine Operator |
| 7223-05 | New | Machine Tool Setter |
| 7223-06 | New | Machine Tool Operator |
| 7223-07 | New | Machine Tool Setter-Operator |
| 7224 | | METAL POLISHERS, WHEEL GRINDERS AND TOOL SHARPENERS |
| 7224-01 | 72241 | Metal Grinder |
| 7224-02 | 72242 | Cutting Instruments Sharpener |
| 7224-03 | 72243 | Machine Tool Sharpener |
| 7224-04 | 72244 | Saw Repairer |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 7224-05 | 72244 | Saw Sharpener |
| 7224-06 | 72244 | Saw Servicer |
| 7224-07 | 72245 | Textile Card Grinder |
| 7224-08 | 72246 | Crankshaft Grinder |
| 7224-09 | 72247 | Metal Polisher |
| 7224-10 | 72248 | Metal Finisher |
| 7224-11 | 72249 | Thread Grinder |
| 7224-12 | New | Knife Sharpener |
| 7224-13 | New | Tool Grinder |
| 7231 | | MOTOR VEHICLE MECHANICS AND REPAIRERS |
| 7231-01 | New | Tradesman K2 - Mechanic (Motor Vehicle), Grade R11 |
| 7231-02 | JPA | Tradesman - Tool Mechanic, Grade R17 |
| 7231-03 | New | Mechanic |
| 7231-04 | 72311 | Earth-Moving Equipment Mechanic |
| 7231-05 | 72313 | Motorcycle Mechanic |
| 7231-06 | 72314 | Motor Vehicle Mechanic |
| 7231-07 | 72315 | Workshop Mechanic |
| 7231-08 | 72312 | Garage Mechanic |
| 7231-09 | 72317 | Workshop Worker |
| 7231-10 | 72318 | Vehicle Foreman |
| 7231-11 | 72318 | Automotive Mechanic |
| 7231-12 | New | Vehicle Body Frame Maker |
| 7231-13 | New | Vehicle Body Panel Beater |
| 7231-14 | New | Sealant Installer |
| 7231-15 | 91226 | Car Detailer |
| 7231-16 | New | Automotive Brake System Service Mechanic |
| 7231-17 | New | Diesel Fitter (Road Transport) |
| 7231-18 | New | Engine Fitter (Motor Vehicle) |
| 7231-19 | New | Motor Vehicle Engine and Fuel System Mechanic |
| 7231-20 | New | Motor Vehicle Mechatronics Mechanic |
| 7231-21 | New | Motor Vehicle Repairer |
| 7231-22 | New | Small Engine Mechanic |
| 7232 | | AIRCRAFT ENGINE MECHANICS AND REPAIRERS |
| 7232-01 | 72321 | Aircraft Engine Mechanic |
| 7232-02 | New | Aircraft Engine Fitter |
| 7232-03 | New | Aircraft Maintenance Mechanic |
| 7232-04 | New | Helicopter Mechanic |
| 7232-05 | New | Aircraft Maintenance Mechanic (Airframe) |
| 7232-06 | New | Aircraft Maintenance Mechanic (Engine) |
| 7232-07 | New | Aircraft Mechanic |
| 7232-08 | New | Airframe and Power Plant Mechanic |
| 7232-09 | New | Airframe Mechanic |
| 7232-10 | New | Jet Engine Mechanic |
| 7232-11 | New | Pneudraulic System Mechanic (Aircraft) |
| 7232-12 | New | Power Plant Mechanic (Aircraft) |
| 7232-13 | New | Rocket Engine Component Mechanic |
| 7233 | | AGRICULTURAL AND INDUSTRIAL MACHINERY MECHANICS AND REPAIRERS |
| 7233-01 | 72331 | Machinery Mechanic |
| 7233-02 | 72334 | Mining Machinery Mechanic |
| 7233-03 | 72339 | Mechanic, Machine Tool |
| 7233-04 | 72339 | Mechanic, Industrial Machinery |
| 7233-05 | 72339 | Mechanic, Plant Maintenance |
| 7233-06 | 72339 | Oiler and Greaser |
| 7233-07 | New | Construction Machinery Mechanic |
| 7233-08 | New | Construction Machinery Repairer |
| 7233-09 | New | Farm Machinery Repairer |
| 7233-10 | New | Mining Machinery Fitter |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 7233-11 | New | Mining Machinery Repairer |
| 7233-12 | New | Stationary Engine Fitter |
| 7233-13 | New | Stationary Engine Repairer |
| 7234 | | BICYCLE AND RELATED REPAIRERS |
| 7234-01 | 72341 | Bicycle Repairer |
| 7234-02 | 72342 | Trishaw Repairer |
| 7234-03 | 72343 | Reel Repairer |
| 7234-04 | New | Bicycle Mechanic |
| 7234-05 | New | Perambulator Repairer |
| 7234-06 | New | Wheelchair Repairer |
| 7239 | | MACHINERY MECHANICS AND REPAIRERS NOT ELSEWHERE CLASSIFIED |
| 7239-01 | 72335 | Marine Engine Mechanic |
| 7239-02 | 72336 | Ship Mechanic |
| 7239-03 | New | Train Engine Fitter |
| 7239-04 | New | Train Engine Repairer |
| 7311 | | PRECISION INSTRUMENT MAKERS AND REPAIRERS |
| 7311-01 | 73111 | Precision Instrument Maker |
| 7311-02 | 73111 | Surgical Instrument Maker |
| 7311-03 | 73111 | Scientific Instrument Maker |
| 7311-04 | 73111 | Photographic Equipment Maker |
| 7311-05 | 73112 | Dental Prosthesis Maker |
| 7311-06 | 73113 | Orthopaedic Appliance Maker |
| 7311-07 | 73114 | Watch and Clock Maker |
| 7311-08 | 73115 | Optical Instrument Maker |
| 7311-09 | 73116 | Balancing Machine Maker |
| 7311-10 | 73117 | Barometer Maker |
| 7311-11 | 73117 | Meteorological Instrument Maker |
| 7311-12 | 73118 | Nautical Instrument Maker |
| 7311-13 | 73112 | Dental Prosthesis Repairer |
| 7311-14 | 73113 | Orthopaedic Appliance Repairer |
| 7311-15 | 73114 | Watch and Clock Repairer |
| 7311-16 | 73115 | Optical Instrument Repairer |
| 7311-17 | 73116 | Balancing Machine Repairer |
| 7312 | | MUSICAL INSTRUMENT MAKERS AND TUNERS |
| 7312-01 | New | Musical Instrument Maker |
| 7312-02 | 73121 | Musical Instrument Tuner |
| 7312-03 | 73122 | Stringed Instrument Maker |
| 7312-04 | 73122 | Piano Maker |
| 7312-05 | 73123 | Drum Maker |
| 7312-06 | 73124 | Woodwind Instrument Maker |
| 7312-07 | 73125 | Metal-Wind Instrument Maker |
| 7313 | | JEWELLERY AND PRECIOUS METAL WORKERS |
| 7313-01 | 73131 | Jeweller |
| 7313-02 | 73131 | Goldsmith |
| 7313-03 | 73131 | Silversmith |
| 7313-04 | 73131 | Pewtersmith |
| 7313-05 | 73132 | Jewellery Repairer |
| 7313-06 | 73132 | Gold Grader |
| 7313-07 | 73133 | Gem Slicer |
| 7313-08 | 73134 | Gem Setter |
| 7313-09 | 73135 | Precious Metal Roller |
| 7313-10 | 73136 | Jewellery Engraver |
| 7313-11 | 73137 | Gem Polisher |
| 7313-12 | 73138 | Jewellery Enameller |
| 7313-13 | New | Gold Rolling Mill Worker |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 7314 | | POTTERS AND RELATED WORKERS |
| 7314-01 | 73141 | Potter |
| 7314-02 | 73142 | Presser, Brick and Tile |
| 7314-03 | 73143 | Modeller, Pottery and Porcelain |
| 7314-04 | 73144 | Caster, Pottery and Porcelain |
| 7314-05 | 73145 | Turner, Pottery and Porcelain |
| 7314-06 | 73145 | Thrower, Pottery and Porcelain |
| 7314-07 | 73145 | Maker, Pottery and Porcelain Mould |
| 7314-08 | 73145 | Presser, Pottery and Porcelain |
| 7314-09 | 73145 | Jiggerer, Pottery and Porcelain |
| 7315 | | GLASS MAKERS, CUTTERS, GRINDERS AND FINISHERS |
| 7315-01 | 73152 | Glass Blower, Grade N17 |
| 7315-02 | 73151 | Glass Bender |
| 7315-03 | 73151 | Glass Blower |
| 7315-04 | 73153 | Glass Cutter |
| 7315-05 | 73154 | Optical Glass Cutter |
| 7315-06 | 73155 | Glass Polisher |
| 7315-07 | 73156 | Glass Grinder |
| 7315-08 | 73157 | Glass Lens Moulder |
| 7315-09 | 73158 | Glass Finisher |
| 7315-10 | 73159 | Glass Frame Fabricator |
| 7316 | | SIGN WRITERS, DECORATIVE PAINTERS, ENGRAVERS AND ETCHERS |
| 7316-01 | 73161 | Etcher |
| 7316-02 | 73161 | Engraver |
| 7316-03 | 73162 | Sandblaster, Glass |
| 7316-04 | 73162 | Ceramic Dipper |
| 7316-05 | 73162 | Enameller, Glass |
| 7316-06 | 73162 | Silverer, Mirror |
| 7316-07 | 73163 | Electrotyper |
| 7316-08 | 73163 | Stereotyper |
| 7316-09 | 73163 | Router, Printing Plate |
| 7316-10 | New | Decorative Painter |
| 7316-11 | New | Sign Writer |
| 7317 | | HANDICRAFT WORKERS IN WOOD, BASKETRY AND RELATED MATERIALS |
| 7317-01 | New | Craft Instructor, Grade E17 |
| 7317-02 | 73176 | Mat Weaver |
| 7317-03 | 73173 | Handicraft Worker, Wooden Articles |
| 7317-04 | 73174 | Basket Maker |
| 7317-05 | 73177 | Broom Maker |
| 7317-06 | 73172 | Handicraft Worker, Reed Weaving |
| 7317-07 | 73172 | Handicraft Worker, Stone Articles |
| 7317-08 | 73175 | Brush Maker |
| 7317-09 | 73178 | Rattan Furniture Maker |
| 7317-10 | 73178 | Wicker Maker |
| 7317-11 | 81514 | Instructor, Spinner |
| 7318 | | HANDICRAFT WORKERS IN TEXTILE, LEATHER AND RELATED MATERIALS |
| 7318-01 | 73181 | Weaver, <i>Songket</i> |
| 7318-02 | 73182 | <i>Batik</i> Painter |
| 7318-03 | 75353 | Maker, Leather Goods |
| 7318-04 | New | Handicraft Worker, Carpets |
| 7318-05 | New | Handicraft Worker, Leather |
| 7318-06 | New | Handicraft Worker, Textile |
| 7318-07 | New | Textile Fibre Comber |
| 7318-08 | New | Textile Fibre Rover |
| 7318-09 | New | Knitter |
| 7318-10 | New | Thread and Yarn Spinner |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 7318-11 | New | Carpet Weaver |
| 7319 | | HANDICRAFT WORKERS NOT ELSEWHERE CLASSIFIED |
| 7319-01 | 73192 | Badge Maker |
| 7319-02 | 73193 | Craftsman |
| 7319-03 | New | Metal Toymaker |
| 7321 | | PRE-PRESS WORKERS |
| 7321-01 | 81322 | Offset Camera / Plate Maker Operator, Grade N17 |
| 7321-02 | 73211 | Compositor |
| 7321-03 | 73215 | Braille Plate Maker |
| 7321-04 | 73213 | Typesetter |
| 7321-05 | 73214 | Desktop Publishing Equipment Worker |
| 7321-06 | 73216 | Press Line Worker |
| 7321-07 | 73217 | Profiling Line Worker |
| 7321-08 | New | Screen Maker |
| 7321-09 | New | Electronic Pre-Press Technician |
| 7321-10 | New | Plate Maker (Printing) |
| 7322 | | PRINTERS |
| 7322-01 | 73222 | Printer |
| 7322-02 | 73223 | Textile Printer |
| 7322-03 | 73224 | Block Printer |
| 7322-04 | 73225 | Press Operator, Embossing |
| 7322-05 | 73226 | Tracer, Textile Design |
| 7322-06 | New | Digital Press Operator |
| 7322-07 | New | Feeder Operator (Printing) |
| 7322-08 | New | Flexographic Press Operator |
| 7322-09 | New | Gravure Press Operator |
| 7322-10 | New | Screen Printer |
| 7322-11 | New | Screen Printing Press Operator |
| 7322-12 | New | Web Press Operator |
| 7322-13 | 81911 | Printing Press Operator, Cylinder |
| 7322-14 | 81912 | Printing Press Operator, Offset |
| 7322-15 | 81913 | Printing Press Operator, Rotary |
| 7322-16 | 81914 | Printing Press Operator, Rotogravure |
| 7322-17 | 81915 | Printing Press Operator, Direct Lithographic |
| 7322-18 | 81916 | Printing Press Operator, Wallpaper |
| 7322-19 | 81916 | Printer, Wallpaper |
| 7322-20 | 81919 | Printing Operator |
| 7323 | | PRINT FINISHING AND BINDING WORKERS |
| 7323-01 | 73231 | Bookbinder |
| 7323-02 | 73232 | Paper Cutter |
| 7323-03 | 73233 | Map and Chart Mounter |
| 7323-04 | 73234 | Book Embosser |
| 7323-05 | 73235 | Book Finisher |
| 7323-06 | New | Collator Operator |
| 7323-07 | New | Cutter Operator |
| 7323-08 | New | Foil Stamp Operator |
| 7323-09 | New | Folder Operator |
| 7323-10 | New | Multibinder Operator |
| 7323-11 | New | Perfect Binding Operator |
| 7323-12 | New | Saddle Stitch Operator |
| 7323-13 | 81921 | Machine Operator, Bookbinding |
| 7323-14 | 81922 | Machine Operator, Book Embossing |
| 7324 | | PRINTING AND PHOTO ENGRAVERS AND ETCHERS |
| 7324-01 | 73241 | Engraver, Printing Metal Plate |
| 7324-02 | 73242 | Etcher, Printing Metal Plate |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---|---------------|--|
| 7324-03 | 73243 | Engraver, Printing Lithographic Stone |
| 7324-04 | 73244 | Photo-Engraver |
| 7324-05 | 73245 | Worker, Darkroom |
| 7324-06 | 73245 | Developer, Colour and Black and White Films |
| 7324-07 | 73246 | Developer, X-Ray Film |
| 7411 | | |
| BUILDING AND RELATED ELECTRICIANS | | |
| 7411-01 | New | Tradesman K2 – Electrician, Grade R11 |
| 7411-02 | 74111 | Electrician, Building |
| 7411-03 | 74112 | Electrician, Construction |
| 7411-04 | New | Electrician |
| 7412 | | |
| ELECTRICAL MECHANICS AND FITTERS | | |
| 7412-01 | 74122 | Chargeman, Grade R17 |
| 7412-02 | 74124 | Chargeman, Grade 11 |
| 7412-03 | New | Tradesman K3 - Maintenance R9 |
| 7412-04 | 74121 | High Voltage Restriction Chargeman |
| 7412-05 | 74121 | Electrical Fitter |
| 7412-06 | 74121 | Electrical Fitter, Lift |
| 7412-07 | 74123 | Wireman |
| 7412-08 | 74128 | Electrical Repairman, Household Appliance |
| 7412-09 | 74129 | Foreman, Electrical |
| 7412-10 | 74129 | Foreman, Maintenance |
| 7412-11 | 74129 | Electrical Generator Operator |
| 7412-12 | 74129 | Electrical Office Machinery Fitter |
| 7412-13 | 74129 | Electrical Motor and Dynamo Fitter |
| 7412-14 | 74129 | Maintenance Fitter |
| 7412-15 | 74124 | Electrician, Ship |
| 7412-16 | 74125 | Electrician, Vehicle |
| 7412-17 | 74126 | Electrician, Aircraft |
| 7412-18 | 74127 | Electrician, Stage and Studio |
| 7412-19 | New | Lift Mechanic |
| 7412-20 | New | Electrical Mechanic |
| 7412-21 | New | Electrical Generator Fitter |
| 7413 | | |
| ELECTRICAL LINE INSTALLERS AND REPAIRERS | | |
| 7413-01 | New | Tradesman K3 - Electrical Wiring, Grade R9 |
| 7413-02 | New | Tradesman K2 - Equipment Wiring (Electric), Grade R 9 |
| 7413-03 | New | Tradesman K3 - Wire Assembler (Telecommunications), Grade R9 |
| 7413-04 | New | Tradesman K3 - Maintenance (Telecommunications), Grade R9 |
| 7413-05 | New | Tradesman - Wire Assembler (Switchboard), Grade R9 |
| 7413-06 | 74131 | Electrical Power Line Installer |
| 7413-07 | 74132 | Cable Line Worker |
| 7413-08 | 74133 | Electric Cable Joiner |
| 7413-09 | 74134 | Installer, Underground Cable |
| 7413-10 | 74134 | Installer, Underwater Cable |
| 7413-11 | 74135 | Rectifier System Worker |
| 7413-12 | 74123 | Electrician, Maintenance |
| 7421 | | |
| ELECTRONICS MECHANICS AND SERVICERS | | |
| 7421-01 | 74211 | Fitter, Electronics |
| 7421-02 | 74211 | Repairer, Electronics |
| 7421-03 | 74216 | Fitter, Electronic Industrial Equipment |
| 7421-04 | 74217 | Fitter, Electronic Meteorological Equipment |
| 7421-05 | New | Mechanic, Electronic Instrument |
| 7422 | | |
| INFORMATION AND COMMUNICATIONS TECHNOLOGY INSTALLERS AND SERVICERS | | |
| 7422-01 | 74221 | Telephone Wireman |
| 7422-02 | 74221 | Telephone and Telegraph Installer |
| 7422-03 | 74222 | Telephone and Telegraph Mechanic |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 7422-04 | 74222 | Telephone and Telegraph Servicer |
| 7422-05 | 74223 | Information Technology Support Worker |
| 7422-06 | New | Data and Telecommunications Cabler |
| 7422-07 | New | Computer Equipment Fitter |
| 7422-08 | 74212 | Electronic Fitter, Radio Television Equipment |
| 7422-09 | 74212 | Electronic Fitter, Video Equipment |
| 7422-10 | 74212 | Electronic Fitter, Radar Equipment |
| 7422-11 | 74215 | Electronic Fitter, Computer |
| 7422-12 | 74217 | Operator, Network |
| 7422-13 | 74217 | Operator, Wireless Equipment |
| 7511 | | MEAT AND FISH PROCESSING WORKERS AND RELATED FOOD PREPARERS |
| 7511-01 | 75111 | Slaughterer |
| 7511-02 | 75112 | Meat Cutter |
| 7511-03 | 75116 | Meat Slicer |
| 7511-04 | 75112 | Sausage Maker |
| 7511-05 | 75114 | Meat Curer |
| 7511-06 | 75115 | Fish Salter |
| 7511-07 | 75115 | Fish Pickler |
| 7511-08 | New | Fish Filleter |
| 7512 | | BAKERS, PASTRY AND PASTA COOKS AND CONFECTIONERY MAKERS |
| 7512-01 | 75121 | Baker |
| 7512-02 | 75123 | Pastry Baker |
| 7512-03 | 75124 | Confectionary Maker |
| 7512-04 | 75125 | Chocolate Maker |
| 7512-05 | 75126 | Yeast Maker |
| 7512-06 | 75127 | Noodle Maker |
| 7512-07 | New | Pasta Maker |
| 7513 | | DAIRY- PRODUCT MAKERS |
| 7513-01 | 75131 | Cheese Maker |
| 7513-02 | 75132 | Yogurt Maker |
| 7513-03 | New | Butter Maker |
| 7514 | | FRUIT, VEGETABLE AND RELATED PRESERVERS |
| 7514-01 | 75141 | Fruit Preserver |
| 7514-02 | 75142 | Vegetable Preserver |
| 7514-03 | 75143 | Fruit Juice Maker |
| 7514-04 | 75143 | Syrup Maker |
| 7514-05 | 75144 | Vegetable Juice Maker |
| 7514-06 | 75145 | Cooking Oil Extracter |
| 7514-07 | New | Oil Expeller |
| 7514-08 | New | Vegetable /Fruit Pickler |
| 7515 | | FOOD AND BEVERAGE TASTERS AND GRADERS |
| 7515-01 | New | Taster, Food |
| 7515-02 | New | Taster, Beverages |
| 7515-03 | New | Grader, Food |
| 7515-04 | 75151 | Taster and Grader, Tea |
| 7515-05 | 75152 | Taster and Grader, Coffee |
| 7515-06 | 75153 | Taster and Grader, Food |
| 7515-07 | 75154 | Taster and Grader, Liquor |
| 7515-08 | 75155 | Grader, Meat |
| 7515-09 | 75156 | Grader, Fruit |
| 7515-10 | 75156 | Grader, Vegetable |
| 7515-11 | 75157 | Taster, Juice |
| 7515-12 | 75158 | Grader, Oil |
| 7515-13 | 75159 | Grader , Paddy |
| 7515-14 | New | Examiner, Paddy |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 7515-15 | New | Sorter, Paddy |
| 7515-16 | 75159 | Grader, Fish |
| 7515-17 | 75159 | Grader, Oil Palm |
| 7515-18 | 75159 | Grader, Egg |
| 7515-19 | 75159 | Grader, Bird's Nest |
| 7516 | | TOBACCO PREPARERS AND TOBACCO PRODUCT MAKERS |
| 7516-01 | 75161 | Grader, Tobacco |
| 7516-02 | 75162 | Maker, Cigar |
| 7516-03 | 75163 | Maker, Cigarette |
| 7516-04 | 75164 | Quality Checker, Cigarette |
| 7516-05 | 75165 | Sorter, Tobacco |
| 7516-06 | 75166 | Curer, Tobacco |
| 7516-07 | 75167 | Tobacco Dryer |
| 7516-08 | 75168 | Tobacco Slicer |
| 7611 | | WOOD TREATERS |
| 7611-01 | 75211 | Wood Impregnator |
| 7611-02 | 75211 | Wood Treater |
| 7611-03 | 75212 | Wood Seasoner |
| 7611-04 | 75213 | Grader, Wood |
| 7611-05 | 75214 | Grader, Veneer |
| 7612 | | CABINET-MAKERS AND RELATED WORKERS |
| 7612-01 | New | Tradesman K2 - Furniture Maker, Grade R11 |
| 7612-02 | 75221 | Maker, Cabinet |
| 7612-03 | 75222 | Builder, Bullock Cart |
| 7612-04 | 75223 | Maker, Furniture |
| 7612-05 | 75224 | Maker, Coffin |
| 7612-06 | 75225 | Maker, Clog |
| 7612-07 | 75226 | Maker, Wooden Model |
| 7612-08 | 75227 | Veneer Applier |
| 7612-09 | 75228 | Maker, Picture Frame |
| 7612-10 | 75229 | Turner, Wood (Hand) |
| 7612-11 | 75229 | Inlayer, Marquetry |
| 7612-12 | 75229 | Marker, Woodworking |
| 7612-13 | 75229 | Pattern-Maker, Wood Patterns |
| 7612-14 | 75229 | Toy Maker, Wood |
| 7612-15 | 75229 | Maker, Wooden Sports Equipment |
| 7612-16 | 75229 | Polisher, Wood |
| 7612-17 | 75229 | Lacquerer, Wood |
| 7612-18 | 75229 | Carver, Wood |
| 7612-19 | New | Wood Pattern-Maker |
| 7613 | | WOODWORKING - MACHINE TOOL SETTERS AND OPERATORS |
| 7613-01 | 75231 | Adjuster, Wood Machine |
| 7613-02 | 75232 | Operator, Wood Machine |
| 7613-03 | 75233 | Setter, Wood Machine |
| 7613-04 | New | Carving Machine Operator (Wood) |
| 7613-05 | New | Furniture Production Machine Operator |
| 7613-06 | New | Precision Woodworking Sawyer |
| 7613-07 | New | Wood Product Machine Operator |
| 7613-08 | New | Woodworking Lathe Operator |
| 7613-09 | New | Woodworking Machine Setter |
| 7613-10 | New | Machine Set-Up Operator |
| 7621 | | TAILORS, DRESSMAKERS, FURRIERS AND HATTERS |
| 7621-01 | New | Tradesman K3 – Tailor, Grade R9 |
| 7621-02 | 75311 | Tailor |
| 7621-03 | 75311 | Dressmaker |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 7621-04 | 75312 | Milliner |
| 7621-05 | New | Maker, Songkok |
| 7621-06 | 75312 | Maker, Hat / Cap |
| 7621-07 | 75313 | Maker, Wig |
| 7621-08 | 75314 | Operator, Sewing |
| 7621-09 | 75314 | Stitcher |
| 7621-10 | 75315 | Worker, Sewing |
| 7621-11 | 75315 | Carpet Mender |
| 7621-12 | 75316 | Embroiderer, Hand |
| 7621-13 | 75317 | Maker, Artificial Flower |
| 7621-14 | 75318 | Maker, Doll and Stuffed Toy |
| 7621-15 | 75319 | Repairer, Knitted Fabric |
| 7621-16 | 75319 | Lace Maker, Hand |
| 7621-17 | 75319 | Maker, Sack |
| 7621-18 | 75319 | Maker, Sail, Tent and Awning |
| 7621-19 | 75319 | Maker, Umbrella |
| 7621-20 | 75319 | Maker, Braided Gloves |
| 7621-21 | 75319 | Maker, Netted Gloves |
| 7621-22 | 75319 | Loom Threader, Hand |
| 7621-23 | 75319 | Weaver, Fabric Gloves |
| 7621-24 | 75319 | Crocheter |
| 7621-25 | 75319 | Knitter, Hand |
| 7621-26 | 81521 | Instructor, Weaving |
| 7621-27 | New | Maker, Scarf |
| 7621-28 | New | Maker, <i>Telekung</i> |
| 7621-29 | New | Furrier |
| 7622 | | GARMENT AND RELATED PATTERN-MAKERS AND CUTTERS |
| 7622-01 | 75321 | Pattern-Maker, Garment |
| 7622-02 | 75322 | Pattern-Maker, Hat and Cap |
| 7622-03 | 75323 | Maker, Garment |
| 7622-04 | 75324 | Cutter, Garment |
| 7622-05 | 75325 | Cutter, Tent |
| 7622-06 | 75325 | Cutter, Sail |
| 7622-07 | 75325 | Cutter, Umbrella |
| 7622-08 | 75325 | Cutter, Gloves |
| 7622-09 | 75325 | Cutter, Mattress |
| 7622-10 | 75326 | Pattern-Maker, Paper |
| 7622-11 | 75326 | Pattern-Maker, Tent |
| 7622-12 | 75326 | Pattern-Maker, Sail |
| 7622-13 | 75326 | Pattern-Maker, Umbrella |
| 7622-14 | 75326 | Pattern-Maker, Gloves |
| 7622-15 | 75326 | Pattern-Maker, Mattress |
| 7622-16 | New | Pattern-Maker, Fur |
| 7623 | | SHOEMAKERS AND RELATED WORKERS |
| 7623-01 | 75331 | Shoemaker |
| 7623-02 | 75332 | Maker, Surgical Footwear |
| 7623-03 | 75332 | Shoemaker, Orthopaedic |
| 7623-04 | 75333 | Repairer, Footwear |
| 7623-05 | 75333 | Cobbler |
| 7623-06 | 75334 | Pattern-Maker, Shoe |
| 7623-07 | 75336 | Maker, Sports Footwear |
| 7623-08 | 75336 | Maker, Sports Footwear Equipment |
| 7623-09 | New | Maker, Leather Handbag |
| 7623-10 | New | Maker, Purse |
| 7623-11 | New | Maker, Belt |
| 7624 | | UPHOLSTERERS AND RELATED WORKERS |
| 7624-01 | 75341 | Upholsterer, Furniture |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 7624-02 | 75342 | Upholsterer, Vehicle |
| 7624-03 | 75343 | Maker, Mattress |
| 7624-04 | 75344 | Maker, Cushion |
| 7624-05 | 75344 | Maker, Soft Furnishing |
| 7624-06 | 75345 | Maker, Bedding |
| 7624-07 | 75347 | Upholsterer, Aircraft |
| 7624-08 | 75348 | Upholsterer, Railway Carriage |
| 7624-09 | New | Upholsterer, Orthopaedic |
| 7625 | | PELT DRESSERS, TANNERS AND FELLMONGERS |
| 7625-01 | 75351 | Pelt Dresser |
| 7625-02 | 75351 | Tanner |
| 7625-03 | 75351 | Fellmonger |
| 7631 | | UNDERWATER DIVERS |
| 7631-01 | 75411 | Diver |
| 7631-02 | 75412 | Diver, Construction |
| 7631-03 | 75413 | Underwater Worker |
| 7631-04 | New | Underwater Diver |
| 7632 | | SHOTFIRERS AND BLASTERS |
| 7632-01 | New | Blaster |
| 7632-02 | New | Shotfirer |
| 7632-03 | 75421 | Explosives Worker |
| 7632-04 | 75422 | Detonator |
| 7633 | | PRODUCT GRADERS AND TESTERS (EXCLUDING FOODS AND BEVERAGES) |
| 7633-01 | 75431 | Grader, Fibre |
| 7633-02 | New | Quality Inspector |
| 7633-03 | New | Wool Classer |
| 7634 | | FUMIGATORS AND PEST AND WEED CONTROLLERS |
| 7634-01 | 75441 | Pest Controller |
| 7634-02 | New | Fumigator |
| 7634-03 | 75442 | Forging Worker, Bee |
| 7634-04 | 75442 | Forging Worker, Mosquito |
| 7634-05 | 75442 | Forging Worker, Ant |
| 7634-06 | 75443 | Fumigation Operator, Service |
| 7634-07 | 75443 | Fumigation Operator, Weed |
| 7634-08 | 75443 | Fumigation Operator, Soil |
| 7634-09 | New | Weed Controller |
| 7639 | | OTHER RELATED CRAFT WORKERS NOT ELSEWHERE CLASSIFIED |
| 7639-01 | 81324 | Assistant Camera Operator, Grade N11 |
| 7639-02 | 96298 | Camera/Driver Assistant, Grade N3 |
| 7639-03 | New | Optical Lens Finisher |
| 7639-04 | New | Optical Lens Moulder |
| 8 | | PLANT AND MACHINE OPERATORS AND ASSEMBLERS |
| 8111 | | MINERS AND QUARRY WORKERS |
| 8111-01 | 81111 | Miner |
| 8111-02 | 81112 | Quarrier |
| 8111-03 | New | Machine Operator, Drilling |
| 8111-04 | 81111 | Machine Operator, Mine Drilling |
| 8111-05 | 81111 | Cutting Machine Operator, Mine |
| 8111-06 | 81111 | Sampler, Mine |
| 8111-07 | 81112 | Drilling Machine Operator, Quarry |
| 8111-08 | 81112 | Sampler, Quarry |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 8111-09 | 81119 | Timberman, Underground |
| 8111-10 | New | Dragline Operator (Mining) |
| 8111-11 | New | Mining Plant Operator |
| 8111-12 | New | Roof Bolter (mining) |
| 8111-13 | New | Coal Miner |
| 8112 | | MINERAL AND STONE PROCESSING PLANT OPERATORS |
| 8112-01 | 81121 | Machine Operator, Stone Processing |
| 8112-02 | 81121 | Machine Operator, Stone Splitting |
| 8112-03 | 81121 | Machine Operator, Stone Crushing |
| 8112-04 | 81122 | Machine Operator, Stone Milling |
| 8112-05 | 81122 | Machine Operator, Mineral Milling |
| 8112-06 | 81123 | Operator, Magnetic Separator |
| 8112-07 | 81123 | Worker, Mineral Floatation |
| 8112-08 | 81123 | Dresser, Tin Ore |
| 8112-09 | 81124 | Keeper, Jig |
| 8112-10 | 81129 | Plant Processing Operator, Mineral and Stone |
| 8112-11 | New | Batching Plant Operator |
| 8112-12 | New | Coal Washer |
| 8112-13 | New | Crusher Operator (Mineral or Stone Processing) |
| 8113 | | WELL DRILLERS AND BORERS AND RELATED WORKERS |
| 8113-01 | 81131 | Operator, Drilling Equipment |
| 8113-02 | 81131 | Operator, Cable Drilling Equipment |
| 8113-03 | 81131 | Operator, Well Drilling Equipment |
| 8113-04 | 81132 | Operator, Oil and Gas Well Derrick |
| 8113-05 | 81132 | Operator, Oil and Gas Well Pulling Equipment |
| 8113-06 | 81133 | Machine Operator, Well Boring Equipment |
| 8113-07 | 81134 | Driller |
| 8113-08 | 81123 | Attendant, Trommel |
| 8113-09 | New | Boring Equipment Operator |
| 8113-10 | New | Bore Sinker |
| 8113-11 | New | Derrickman |
| 8113-12 | New | Derrick Operator |
| 8113-13 | New | Toolpusher |
| 8113-14 | New | Tourpusher |
| 8114 | | CEMENT, STONE AND OTHER MINERAL PRODUCTS MACHINE OPERATORS |
| 8114-01 | 81141 | Machine Operator, Concrete Mixing |
| 8114-02 | 81141 | Machine Operator, Cast Concrete Product |
| 8114-03 | 81141 | Machine Operator, Cement Product |
| 8114-04 | 81142 | Machine Operator, Asbestos |
| 8114-05 | 81142 | Machine Operator, Asbestos-Cement Product |
| 8114-06 | 81143 | Machine Operator, Cast Stone |
| 8114-07 | 81143 | Machine Operator, Terrazzo Tile |
| 8114-08 | 81143 | Machine Operator, Abrasive Coating |
| 8114-09 | New | Machine Operator, Diamond Polishing |
| 8114-10 | New | Machine Operator, Stone Polishing |
| 8121 | | METAL PROCESSING PLANT OPERATORS |
| 8121-01 | New | Furnace Operator |
| 8121-02 | 81211 | Furnace Operator, Steel Refining |
| 8121-03 | 81211 | Furnace Operator, Steel Converting |
| 8121-04 | 81212 | Hot-Roller Operator, Steel |
| 8121-05 | 81213 | Furnace Operator, Metal Melting |
| 8121-06 | 81213 | Furnace Operator, Metal Melting (Blast-Furnace) |
| 8121-07 | 81213 | Furnace Operator, Metal Reheating |
| 8121-08 | 81213 | Furnace Operator, Metal Case-Hardening |
| 8121-09 | 81213 | Furnace Operator, Metal Hardening |
| 8121-10 | 81213 | Furnace Operator, Non-Ferrous Metal Refining |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 8121-11 | 81211 | Converter Blowing Operator, Steel Converting |
| 8121-12 | 81213 | Furnace Operator, Metal Heat-Treating |
| 8121-13 | 81214 | Machine Operator, Metal Drawing |
| 8121-14 | 81214 | Machine Operator, Die-Casting |
| 8121-15 | 81214 | Machine Operator, Metal Casting |
| 8121-16 | 81214 | Machine Operator, Centrifugal Casting |
| 8121-17 | 81214 | Operator, Non-Ferrous Metal Rolling Mill |
| 8121-18 | 81215 | Operator, Mill Table |
| 8121-19 | 81215 | Drawer, Metal |
| 8121-20 | 81215 | Extruder, Metal |
| 8121-21 | 81215 | Annealer, Metal |
| 8121-22 | 81216 | Machine Operator, Barbed-Wire |
| 8121-23 | 81216 | Machine Operator, Seamless Pipe and Tube |
| 8121-24 | 81216 | Machine Operator, Wire Stripping and Cutting |
| 8121-25 | 81216 | Machine Operator, Wire Drawing |
| 8121-26 | 81216 | Machine Operator, Insulating |
| 8121-27 | 81216 | Machine Operator, Wire Extruding |
| 8121-28 | 81216 | Drawer, Wire |
| 8121-29 | 81216 | Drawer, Seamless Pipe and Tube |
| 8121-30 | 81217 | Smelting Operator |
| 8121-31 | 81218 | Operator, Steel Fabricator |
| 8121-32 | New | Steel Roller |
| 8122 | | METAL FINISHING, PLATING AND COATING MACHINE OPERATORS |
| 8122-01 | 81221 | Machine Operator, Metal Electroplating |
| 8122-02 | 81221 | Electroplater |
| 8122-03 | 81222 | Machine Operator, Metal Dipping |
| 8122-04 | 81222 | Hot-Dip Plater |
| 8122-05 | 81223 | Machine Operator, Metal Galvanising |
| 8122-06 | 81223 | Galvaniser |
| 8122-07 | 81224 | Machine Operator, Sandblaster Equipment |
| 8122-08 | 81224 | Sandblaster, Metal |
| 8122-09 | 81225 | Machine Operator, Cast Metal Article Finishing |
| 8122-10 | 81225 | Casting Finisher |
| 8122-11 | 81225 | Cleaner, Metal |
| 8122-12 | 81226 | Machine Operator, Metal Spraying |
| 8122-13 | 81227 | Oxidiser |
| 8122-14 | 81228 | Operator, Moulding |
| 8131 | | CHEMICAL PRODUCTS PLANT AND MACHINE OPERATORS |
| 8131-01 | 81311 | Machine Operator, Paint-Mixing |
| 8131-02 | 81311 | Machine Operator, Chemical Process Mixing and Blending |
| 8131-03 | 81311 | Machine Operator, Glue-Mixing |
| 8131-04 | 81311 | Machine Operator, Chemical Process Pulverising |
| 8131-05 | 81311 | Roll-Mill Operator, Chemical Processes |
| 8131-06 | 81311 | Crushing Operator, Chemical Processes |
| 8131-07 | 81311 | Match Compounder, Chemical Processes |
| 8131-08 | 81312 | Heat-Treating Plant Operator, Chemical Processes |
| 8131-09 | 81312 | Dry Operator, Chemical Processes |
| 8131-10 | 81312 | Cooking Equipment Operator, Chemical Processes |
| 8131-11 | 81312 | Roasting Equipment Operator, Chemical Processes |
| 8131-12 | 81312 | Retort Operator, Chemical Processes |
| 8131-13 | 81312 | Spray-Dried Operator, Chemical Processes |
| 8131-14 | 81312 | Kiln-Operator, Chemical Processes |
| 8131-15 | 81312 | Cement Furnaceman |
| 8131-16 | 81312 | Roaster, Chemical Processes |
| 8131-17 | 81312 | Cooker, Chemical Processes |
| 8131-18 | 81313 | Press-Operator, Chemical Process Filter |
| 8131-19 | 81313 | Sieving Machine Operator, Chemical Processes |
| 8131-20 | 81313 | Separator Operator, Chemical Processes |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|--|---------------|--|
| 8131-21 | 81313 | Crude Oil Treating Equipment Operator |
| 8131-22 | 81313 | Rotary Drum Filterer |
| 8131-23 | 81314 | Acid Plant Operator |
| 8131-24 | 81314 | Fertiliser Plant Operator |
| 8131-25 | 81314 | Bleach Operator, Chemical |
| 8131-26 | 81314 | Vacuum Pan Chemical Operator (Except Petroleum and Natural Gas) |
| 8131-27 | 81314 | Operator, Chemical Process Coverter (Except Petroleum and Natural Gas) |
| 8131-28 | 81314 | Evaporator Operator |
| 8131-29 | 81314 | Operator, Still Batch (Chemical Processes Except Petroleum and Natural Gas) |
| 8131-30 | 81314 | Operator, Still Chemical Processes |
| 8131-31 | 81314 | Operator, Still Continuous (Chemical Processes Except Petroleum and Natural Gas) |
| 8131-32 | 81314 | Operator, Still Turpentine |
| 8131-33 | 81314 | Kiln Operator, Charcoal |
| 8131-34 | 81314 | Sulphur Burner |
| 8131-35 | 81314 | Foam Maker, Chemical |
| 8131-36 | 81314 | Yarn Maker, Synthetic |
| 8131-37 | 81314 | Reactor-Converter (Chemical Processes) |
| 8131-38 | 81314 | Enameller, Chemical |
| 8131-39 | 81315 | Treat Operator, Radioactive Waste |
| 8131-40 | 81316 | Machine Operator, Detergent Production |
| 8131-41 | 81316 | Machine Operator, Coke Production |
| 8131-42 | 81316 | Machine Operator, Mosquito Coil Production |
| 8131-43 | 81316 | Machine Operator, Pharmaceutical Products |
| 8131-44 | 81316 | Machine Operator, Toiletry Products |
| 8131-45 | 81317 | Machine Operator, Chemical and Related Material Washing |
| 8131-46 | 81317 | Machine Operator, Explosives Production |
| 8131-47 | 81317 | Machine Operator, Fireworks Production |
| 8131-48 | 81317 | Machine Operator, Halogen Gas Production |
| 8131-49 | 81317 | Machine Operator, Hydrogen Gas Production |
| 8131-50 | 81317 | Machine Operator, Chlorine Gas Production |
| 8131-51 | 81317 | Machine Operator, Candle Production |
| 8131-52 | 81317 | Machine Operator, Linoleum Production |
| 8131-53 | 81317 | Machine Operator, Match Production |
| 8131-54 | 81317 | Machine Operator, Pencil Production |
| 8131-55 | 81317 | Machine Operator, Lead Production |
| 8131-56 | 81317 | Machine Operator, Ammunition Products |
| 8132 | | |
| PHOTOGRAPHIC PRODUCTS MACHINE OPERATORS | | |
| 8132-01 | New | General Assistant, Photography |
| 8132-02 | 81321 | Machine Operator, Photography Printing |
| 8132-03 | 81321 | Machine Operator, Photography Development |
| 8132-04 | 81321 | Machine Operator, Scanning and Filming |
| 8132-05 | 81323 | Machine Operator, Film Processing Machine |
| 8132-06 | 81323 | Machine Operator, Photograph Enlarging |
| 8132-07 | 81323 | Machine Operator, Photographic Film Production |
| 8132-08 | 81323 | Machine Operator, Film Paper Production |
| 8132-09 | 81323 | Machine Operator, Photographic Plate Production |
| 8132-10 | 81323 | Machine Operator, Photographic Products |
| 8132-11 | 81325 | Operator, Audio-Visual Aids |
| 8132-12 | 81327 | Operator, Sound and Image Recording Equipment |
| 8132-13 | 81327 | Operator, Television Camera |
| 8132-14 | 81327 | Operator, Motion Picture Camera |
| 8132-15 | 81327 | Operator, Film-Recorder |
| 8132-16 | 81327 | Operator, Video Tape-Recorder |
| 8132-17 | 81327 | Operator, Radio and Television Studio Equipment |
| 8132-18 | 81327 | Operator, Telecine |
| 8132-19 | 81328 | Photo Finisher |
| 8132-20 | New | Operator, Photography |
| 8132-21 | New | Operator, Darkroom |
| 8132-22 | New | Photographic Processor |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 8132-23 | New | Photographic Film Printer |
| 8132-24 | New | Developing Machine Operator - Photography |
| 8132-25 | New | Machine Operator, Printing/Photography (Colour) |
| 8132-26 | New | Film/Colour Developer |
| 8132-27 | New | Photograph Enlarger |
| 8132-28 | New | Photograph Printer |
| 8141 | | RUBBER PRODUCTS MACHINE OPERATORS |
| 8141-01 | 81411 | Machine Operator, Rubber Milling |
| 8141-02 | 81412 | Machine Operator, Rubber Extruding |
| 8141-03 | 81413 | Press-Operator, Rubber Moulding |
| 8141-04 | 81414 | Machine Operator, Rubber Calender |
| 8141-05 | 81415 | Machine Operator, Rubber Cutting |
| 8141-06 | 81416 | Machine Operator, Tyre Production |
| 8141-07 | 81416 | Maker, Tyre |
| 8141-08 | 81417 | Machine Operator, Rubber Stamp Production |
| 8141-09 | 81417 | Machine Operator, Rubber Products |
| 8141-10 | 81417 | Maker, Air-Bag |
| 8141-11 | 81417 | Maker, Rubber Foam |
| 8141-12 | 81417 | Maker, Hose |
| 8141-13 | New | Latex Foam Machine Operator |
| 8141-14 | New | Moulder, Rubber |
| 8141-15 | New | Mill, Rubber |
| 8141-16 | 93221 | Rubber Coagulator |
| 8141-17 | 93222 | Sheet Rubber Maker |
| 8141-18 | 93223 | Attendant, Rubber Smokehouse |
| 8141-19 | 93225 | Rubber Sheet Clipper and Sorter |
| 8141-20 | 93226 | Cleaner, Latex Tank |
| 8141-21 | 93227 | Worker, Heavecrumb Process |
| 8141-22 | 93228 | Machine Operator, Rubber Laminating |
| 8142 | | PLASTIC PRODUCTS MACHINE OPERATORS |
| 8142-01 | 81421 | Machine Operator, Plastic Mixing |
| 8142-02 | 81422 | Press-Machine Operator, Plastic Laminating |
| 8142-03 | 81423 | Machine Operator, Plastic Extruding |
| 8142-04 | 81425 | Machine Operator, Plastic Compression Moulding |
| 8142-05 | 81426 | Machine Operator, Vacuum Plastic-Forming |
| 8142-06 | 81427 | Machine Operator, Plastic Tableting |
| 8142-07 | 81427 | Machine Operator, Plastic Embossing |
| 8142-08 | 81428 | Machine Operator, Plastic Production |
| 8142-09 | 81429 | Machine Operator, Plastic Products |
| 8142-10 | 81433 | Machine Operator, Plastic Straw Production |
| 8142-11 | New | Moulder, Plastic |
| 8142-12 | New | Machine Operator, Plastic Cable |
| 8143 | | PAPER PRODUCTS MACHINE OPERATORS |
| 8143-01 | 81431 | Machine Operator, Carton and Paper Box Production |
| 8143-02 | 81431 | Machine Operator, Paper Products |
| 8143-03 | 81432 | Machine Operator, Cellophane Bag Production |
| 8143-04 | 81432 | Machine Operator, Envelope Production |
| 8143-05 | 81434 | Machine Operator, Joss Paper Production |
| 8143-06 | 81435 | Machine Operator, Cardboard Presser |
| 8143-07 | 81435 | Machine Operator, Cardboard Products |
| 8143-08 | New | Papier Mache Moulder |
| 8143-09 | 81432 | Machine Operator, Paper Bag Production |
| 8151 | | FIBRE PREPARING, SPINNING AND WINDING MACHINE OPERATORS |
| 8151-01 | 81511 | Machine Operator, Thread and Yarn Twisting |
| 8151-02 | 81511 | Thread and Yarn Winder |
| 8151-03 | 81511 | Thread and Yarn Spinner |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 8151-04 | 81511 | Silk Reeler |
| 8151-05 | 81512 | Machine Operator, Cotton-Mixing |
| 8151-06 | 81512 | Machine Operator, Fibre Preparation |
| 8151-07 | 81513 | Machine Operator, Rope-Laying |
| 8151-08 | 81515 | Machine Operator, Braid Production |
| 8152 | | WEAVING AND KNITTING MACHINE OPERATORS |
| 8152-01 | 81521 | Machine Operator, Warping Beam (Textile Weaving) |
| 8152-02 | 81521 | Machine Operator, Weaving |
| 8152-03 | 81521 | Machine Operator, Carpet Weaving |
| 8152-04 | 81522 | Machine Operator, Knitting |
| 8152-05 | 81522 | Machine Operator, Net Production |
| 8152-06 | 81523 | Wrinkle Machine Operator, Textile |
| 8152-07 | 81523 | Machine Operator, Textile Size |
| 8152-08 | 81524 | Assembler, Weaving Machine |
| 8152-09 | 81524 | Jacquard Card Cutter |
| 8152-10 | 81525 | Machine Operator, Lace Production |
| 8152-11 | New | Machine Operator, Fabric Weaving |
| 8153 | | SEWING MACHINE OPERATORS |
| 8153-01 | 81531 | Sewing Machine Operator |
| 8153-02 | 81531 | Sewing Machine Operator, Leather |
| 8153-03 | 81532 | Sewing Machine Operator, Crochet |
| 8153-04 | 81533 | Sewing Machine Operator, Embroidery |
| 8153-05 | 81525 | Machine Operator, Fabric Repairer |
| 8154 | | BLEACHING, DYEING AND FABRIC CLEANING MACHINE OPERATORS |
| 8154-01 | 81541 | Machine Operator, Textile Bleaching |
| 8154-02 | 81542 | Machine Operator, Dyeing |
| 8154-03 | 81543 | Machine Operator, Starch |
| 8154-04 | 81544 | Machine Operator, Washing |
| 8154-05 | 81545 | Machine Operator, Textile Dyeing |
| 8154-06 | 81546 | Machine Operator, Dry-Cleaning |
| 8154-07 | 81547 | Operator, Textile Calender |
| 8154-08 | 81544 | Machine Operator, Textile Shrinking |
| 8155 | | FUR AND LEATHER PREPARING MACHINE OPERATORS |
| 8155-01 | 81551 | Machine Operator, Hide Processing |
| 8155-02 | 81552 | Machine Operator, Hide Fleshing |
| 8155-03 | 81553 | Machine Operator, Hide Dehairing |
| 8155-04 | 81554 | Machine Operator, Tanning |
| 8155-05 | 81556 | Machine Operator, Leather Cutting |
| 8156 | | SHOEMAKING AND RELATED MACHINE OPERATORS |
| 8156-01 | 81561 | Machine Operator, Footwear Production |
| 8156-02 | 81562 | Machine Operator, Orthopaedic Footwear Production |
| 8156-03 | 81563 | Machine Operator, Sports Footwear Production |
| 8156-04 | New | Machine Operator, Safety Footwear Production |
| 8156-05 | New | Machine Operator, Footwear Production for Special/ Disabled Person |
| 8156-06 | New | Machine Operator, Baggage Production |
| 8156-07 | New | Machine Operator, Handbag Production |
| 8156-08 | New | Machine Operator, Belt Production |
| 8156-09 | New | Machine Operator, Harness |
| 8157 | | LAUNDRY MACHINE OPERATORS |
| 8157-01 | 81571 | Machine Operator, Textile Fibre Dyeing |
| 8157-02 | 81572 | Machine Operator, Laundering |
| 8157-03 | 81573 | Machine Operator, Laundry Presser |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 8159 | | TEXTILE, FUR AND LEATHER PRODUCTS MACHINE OPERATORS NOT ELSEWHERE CLASSIFIED |
| 8159-01 | 81591 | Machine Operator, Garment Cutting |
| 8159-02 | 81592 | Machine Cutter, Leather Garments |
| 8159-03 | 81593 | Machine Operator, Textile Cutting |
| 8159-04 | 81594 | Machine Operator, Hat Making |
| 8159-05 | 81594 | Machine Operator, Mattress Production |
| 8159-06 | 81595 | Machine Operator, Leather Pattern-Making |
| 8159-07 | 81596 | Machine Operator, Textile Pattern-Making |
| 8159-08 | 81597 | Machine Operator, Cloth Folding |
| 8161 | | FOOD AND RELATED PRODUCTS MACHINE OPERATORS |
| 8161-01 | 81601 | Machine Operator, Meat Processing |
| 8161-02 | 81601 | Machine Operator, Fish Processing |
| 8161-03 | 81601 | Machine Operator, Food Processing |
| 8161-04 | New | Machine Operator, Slaughtering |
| 8161-05 | 81601 | Machine Operator, Shrimp Paste Production |
| 8161-06 | 81601 | Machine Operator, Fish Food Production |
| 8161-07 | 81601 | Machine Operator, Sausage Production |
| 8161-08 | 81601 | Machine Operator, Meat Canning |
| 8161-09 | 81601 | Machine Operator, Fish Canning |
| 8161-10 | 81602 | Attendant, Dairy Product Churning |
| 8161-11 | 81602 | Machine Operator, Dairy Product Processing |
| 8161-12 | 81602 | Machine Operator, Ice-Cream Production |
| 8161-13 | 81602 | Machine Operator, Milk Powder Production |
| 8161-14 | 81602 | Machine Operator, Dairy Product Churning |
| 8161-15 | 81602 | Machine Operator, Butter Products |
| 8161-16 | 81602 | Vacuum Pan Operator, Condensed Milk |
| 8161-17 | 81602 | Operator, Dairy Product Sterilising |
| 8161-18 | 81602 | Cream Separator, Dairy |
| 8161-19 | 81603 | Attendant, Foodgrain Milling |
| 8161-20 | 81603 | Machine Operator, Mustard Seed Milling |
| 8161-21 | 81603 | Milling Assistant |
| 8161-22 | 81603 | Mixer, Spice |
| 8161-23 | 81603 | Blender, Flour |
| 8161-24 | 81603 | Miller, Grain |
| 8161-25 | 81605 | Miller, Oil Seed |
| 8161-26 | 81605 | Miller, Palm Oil |
| 8161-27 | 81603 | Grinder, Feed |
| 8161-28 | 81603 | Miller, Rice |
| 8161-29 | 81603 | Miller, Spice |
| 8161-30 | 81603 | Miller, Tapioca |
| 8161-31 | 81604 | Machine Operator, Wafer-Baking |
| 8161-32 | 81604 | Machine Operator, Yeast Making |
| 8161-33 | 81604 | Machine Operator, Cereal Production |
| 8161-34 | 81604 | Machine Operator, Chocolate Production |
| 8161-35 | 81604 | Machine Operator, Confectionery Production |
| 8161-36 | 81604 | Machine Operator, Noodle Production |
| 8161-37 | 81604 | Machine Operator, Pasta Production |
| 8161-38 | 81604 | Machine Operator, Pastry Production |
| 8161-39 | 81604 | Machine Operator, Bread Production |
| 8161-40 | 81604 | Machine Operator, Sago Production |
| 8161-41 | 81605 | Attendant, Oil Palm Sterilising |
| 8161-42 | 81605 | Press-Operator, Fruit |
| 8161-43 | 81605 | Press-Operator, Edible Oils |
| 8161-44 | 81605 | Machine Operator, Nut Processing |
| 8161-45 | 81605 | Machine Operator, Margarine Processing |
| 8161-46 | 81605 | Machine Operator, Vegetable Processing |
| 8161-47 | 81605 | Machine Operator, Oil and Fat Refining |
| 8161-48 | 81605 | Machine Operator, Fruit Juice Production |
| 8161-49 | 81605 | Machine Operator, Vegetable Juice Production |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 8161-50 | 81605 | Machine Operator, Sauce Production |
| 8161-51 | 81605 | Machine Operator, Food Canning |
| 8161-52 | 81605 | Operator, Margarine Plant |
| 8161-53 | 81605 | Operator, Fractionation Plant |
| 8161-54 | 81605 | Nut Roaster |
| 8161-55 | 81605 | Maker, Jam |
| 8161-56 | 81605 | Maker, Peanut Butter |
| 8161-57 | 81605 | Preserver, Sauces and Condiments |
| 8161-58 | 81605 | Dehydrator, Foodstuffs |
| 8161-59 | 81606 | Operator, Sugar Processing and Refining |
| 8161-60 | 81607 | Attendant, Pasteuriser (Brewery) |
| 8161-61 | 81607 | Attendant, Filtration |
| 8161-62 | 81607 | Machine Operator, Vinegar Making |
| 8161-63 | 81607 | Machine Operator, Soft Drink Production |
| 8161-64 | 81607 | Machine Operator, Spirit Brewing |
| 8161-65 | 81607 | Machine Operator, Liquor Production |
| 8161-66 | 81607 | Machine Operator, Spirit Distilling |
| 8161-67 | 81607 | Operator, Spirit Fermentation Equipment |
| 8161-68 | 81607 | Kiln-Operator, Spirit Malting |
| 8161-69 | 81607 | Operator, Syrup-Mixing Plant |
| 8161-70 | 81607 | Operator, Malting Germination Equipment |
| 8161-71 | 81607 | Maker, Malting Germination Equipment |
| 8161-72 | 81607 | Carbonation Man (Malt Liquor) |
| 8161-73 | 81607 | Machine Operator, Brew |
| 8161-74 | 81608 | Machine Operator, Cigar Production |
| 8161-75 | 81608 | Machine Operator, Cigarette Production |
| 8161-76 | 81608 | Machine Operator, Tobacco Production |
| 8161-77 | 81609 | Machine Operator, Feed Mixing |
| 8161-78 | 81609 | Machine Operator, Cocoa-Bean Processing |
| 8161-79 | 81609 | Machine Operator, Coffee-Bean Processing |
| 8161-80 | 81609 | Machine Operator, Tea-Leaf Processing |
| 8161-81 | 81609 | Machine Operator, Powdered Soup Production |
| 8161-82 | 81609 | Machine Operator, Bean Curd Production |
| 8161-83 | New | Miller Operator |
| 8161-84 | New | Flavour Mixer |
| 8161-85 | New | Food Processing Operator |
| 8161-86 | New | Food Grinder |
| 8161-87 | New | Machine Operator, Coconut Peeler |
| 8161-88 | New | Machine Operator, Potato Peeler |
| 8161-89 | New | Machine Operator, Pineapple Peeler |
| 8161-90 | New | Machine Operator, Nut Peeler |
| 8171 | | PULP AND PAPERMARKING PLANT OPERATORS |
| 8171-01 | 81711 | Operator, Pulp Digester |
| 8171-02 | 81712 | Machine Operator, Chipping |
| 8171-03 | 81713 | Operator, Pulp Beater |
| 8171-04 | 81714 | Machine Operator, Wood Grinding |
| 8171-05 | 81715 | Operator, Bleach Machine |
| 8171-06 | 81716 | Cutter, Paper Pulp |
| 8171-07 | 81717 | Valve Operator, Paper Pulp |
| 8171-08 | 81718 | Machine Operator, Cardboard Production |
| 8171-09 | 81718 | Machine Operator, Papermaking |
| 8171-10 | 81718 | Machine Operator, Paper Cutting |
| 8171-11 | 81718 | Machine Operator, Coating |
| 8171-12 | 81718 | Operator, Paper-Pulp Plant |
| 8171-13 | New | Valve Operator |
| 8172 | | WOOD PROCESSING PLANT OPERATORS |
| 8172-01 | 81721 | Operator, Sawmill |
| 8172-02 | 81729 | Saw Operator |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 8172-03 | 81721 | Saw Operator, Wet Timber |
| 8172-04 | 81721 | Saw Operator, Wood |
| 8172-05 | 81721 | Saw Operator, Sawmill |
| 8172-06 | 81722 | Lathe-Operator, Veneer Cutting |
| 8172-07 | 81722 | Lathe Feeder, Veneer |
| 8172-08 | 81722 | Cutter, Veneer |
| 8172-09 | 81723 | Plywood Core Layer |
| 8172-10 | 81724 | Press-Operator, Plywood |
| 8172-11 | 81725 | Machine Operator, Wood Seasoning |
| 8172-12 | 81726 | Machine Operator, Incising (Wood Preserving) |
| 8172-13 | 81726 | Machine Operator, Wood Treating |
| 8172-14 | 81727 | Operator, Veneer Dryer |
| 8172-15 | 81728 | Operator, Auto-Clipper |
| 8172-16 | 81729 | Setter, Veneer |
| 8172-17 | 92154 | Operator, Tacky Timber |
| 8173 | | WOOD PRODUCTS MACHINE OPERATORS |
| 8173-01 | 81731 | Lathe-Operator, Woodworking |
| 8173-02 | 81731 | Machinist, Wood |
| 8173-03 | 81733 | Lathe Operator, Wood (Machine) |
| 8173-04 | 81736 | Machine Operator, Wood Carving |
| 8173-05 | 81734 | Machine Operator, Wood-Wool |
| 8173-06 | 81735 | Operator, Sander |
| 8173-07 | 81737 | Machine Operator, Furniture Production |
| 8173-08 | 81738 | Machine Operator, Wood Products |
| 8173-09 | New | Machinist |
| 8181 | | GLASS AND CERAMICS PLANT OPERATORS |
| 8181-01 | 81811 | Machine Operator, Clay Mixing |
| 8181-02 | 81812 | Machine Operator, Glass Mixing |
| 8181-03 | 81841 | Furnace-Operator, Glass Production |
| 8181-04 | 81841 | Operator, Retort |
| 8181-05 | New | Kiln-Operator |
| 8181-06 | New | Furnace-Operator, Glass |
| 8181-07 | 81842 | Furnace-Operator, Annealing Glass |
| 8181-08 | 81843 | Kiln-Operator, Brick and Tile |
| 8181-09 | 81844 | Machine Operator, Ceramics Production |
| 8181-10 | 81844 | Machine Operator, Pottery and Porcelain |
| 8181-11 | 81844 | Machine Operator, Pottery and Porcelain Casting |
| 8181-12 | 81844 | Kiln-Operator, Pottery and Porcelain |
| 8181-13 | 81845 | Furnace-Operator, Glass Tempering |
| 8181-14 | 81845 | Temperer, Glass |
| 8181-15 | 81846 | Machine Operator, Glass Blowing |
| 8181-16 | 81847 | Machine Operator, Glass Etching |
| 8181-17 | 81847 | Machine Operator, Engraving Glass |
| 8181-18 | 81848 | Operator, Glass Sandblasting Equipment |
| 8181-19 | 81849 | Press-Operator, Clay Filtering |
| 8181-20 | 81849 | Machine Operator, Glass and Ceramics Kiln |
| 8181-21 | 81849 | Machine Operator, Abrasives Mixing |
| 8181-22 | 81849 | Machine Operator, Glass Pressing |
| 8181-23 | 81849 | Machine Operator, Brick-and-Tile Production |
| 8181-24 | 81849 | Machine Operator, Bottle Production |
| 8181-25 | 81849 | Machine Operator, Fibre Glass Production |
| 8181-26 | 81849 | Machine Operator, Glaze Production |
| 8181-27 | 81849 | Mixer, Clay |
| 8181-28 | 81849 | Clay Maker, Pottery |
| 8181-29 | 81849 | Maker, Fibre Glass |
| 8181-30 | 81849 | Maker, Glaze |
| 8181-31 | 81849 | Maker, Glass Tube |
| 8181-32 | 81849 | Mixer, Glass |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 8181-33 | 81849 | Polisher, Glass Plate |
| 8182 | | STEAM ENGINE AND BOILER OPERATORS |
| 8182-01 | 31327 | Plant Operator, Grade R3 |
| 8182-02 | 81822 | Boilerman |
| 8182-03 | 81821 | Boiler Operator, Ship |
| 8182-04 | 81821 | Fire Operator, Ship |
| 8182-05 | 81822 | Operator, Steam Boiler Plant |
| 8182-06 | 81823 | Operator, Steam Engine |
| 8182-07 | 81823 | Fire Operator, Railway Engine |
| 8183 | | PACKING, BOTTLING AND LABELLING MACHINE OPERATORS |
| 8183-01 | 81831 | Operator, Carton |
| 8183-02 | 81832 | Operator, Packing |
| 8183-03 | 81833 | Packer |
| 8183-04 | 81834 | Machine Operator, Labelling |
| 8183-05 | 81835 | Machine Operator, Packing |
| 8183-06 | 81836 | Machine Operator, Wrapping |
| 8183-07 | New | Machine Operator, Press |
| 8183-08 | 82192 | Machine Operator, Sealing |
| 8183-09 | 82192 | Machine Operator, Capping |
| 8183-10 | 82193 | Machine Operator, Bottling |
| 8183-11 | 82193 | Machine Operator, Container Filling |
| 8189 | | STATIONARY PLANT AND MACHINE OPERATORS NOT ELSEWHERE CLASSIFIED |
| 8189-01 | New | Machine Operator |
| 8189-02 | 82191 | Production Operator |
| 8189-03 | 81891 | Equipment and Machine Operator |
| 8189-04 | 81892 | Heavy Machinery Operator |
| 8189-05 | 81893 | Machine Operator, Bending |
| 8189-06 | 82194 | Machine Operator, Insulation |
| 8189-07 | 82196 | Machine Operator, Silicon Chip Production |
| 8189-08 | 82196 | Machine Operator, Cable and Rope Splicing |
| 8189-09 | 82196 | Operator, Road Marking Equipment |
| 8189-10 | 96297 | Line Leader |
| 8189-11 | 82129 | Production Operator, Electronic Products |
| 8211 | | MECHANICAL MACHINERY ASSEMBLERS |
| 8211-01 | New | Tradesman K2 - Fitter (Machinery), Grade R11 |
| 8211-02 | New | Assembler |
| 8211-03 | New | Foreman |
| 8211-04 | 82111 | Assembler, Engine Marine |
| 8211-05 | 82111 | Assembler, Automobile |
| 8211-06 | 82111 | Assembler, Aircraft |
| 8211-07 | 82113 | Assembler, Refrigeration and Air-Conditioning Equipment |
| 8211-08 | 82114 | Assembler, Sewing Machine |
| 8211-09 | 82115 | Assembler, Mining Machinery |
| 8211-10 | 82115 | Assembler, Earth-Moving Equipment |
| 8211-11 | 82115 | Assembler, Machine Tool |
| 8211-12 | 82116 | Assembler, Printing Machinery |
| 8211-13 | 82116 | Assembler, Textile Machinery |
| 8211-14 | 82117 | Assembler, Industrial Machinery |
| 8211-15 | 82118 | Assembler, Wood Working Machinery |
| 8211-16 | 82118 | Assembler, Agricultural Machinery |
| 8211-17 | 82119 | Foreman, Mechanical |
| 8211-18 | 82119 | Fitter, Mechanical |
| 8211-19 | 82111 | Assembler, Motorcycle |
| 8211-20 | New | Assembler, Gearbox |
| 8211-21 | New | Assembler, Engine |
| 8211-22 | New | Assembler, Vehicle |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 8211-23 | New | Assembler, Aircraft |
| 8211-24 | New | Assembler, Turbine |
| 8212 | | ELECTRICAL AND ELECTRONIC EQUIPMENT ASSEMBLERS |
| 8212-01 | | Tradesman K2 - Assembler (Aerial), Grade R11 |
| 8212-02 | 82121 | Assembler, Electrical Equipment |
| 8212-03 | 82122 | Assembler, Electronic Equipment |
| 8212-04 | 82123 | Assembler, Semi-Conductor |
| 8212-05 | 82124 | Assembler, Battery |
| 8212-06 | 82125 | Assembler, Electric-sign |
| 8212-07 | 82126 | Assembler, Clock |
| 8212-08 | 82126 | Assembler, Watch |
| 8212-09 | 82126 | Assembler, Chronometer |
| 8212-10 | 82126 | Assembler, Office Machinery |
| 8212-11 | 82127 | Assembler, Hearing Aid |
| 8212-12 | 82127 | Assembler, Microelectronic Equipment |
| 8212-13 | 82128 | Assembler, Audio-Visual Equipment |
| 8212-14 | 82129 | Assembler, Precision Instrument |
| 8212-15 | New | Assembler, Telephone |
| 8212-16 | New | Assembler, Television |
| 8213 | | LEATHER, METAL, RUBBER AND PLASTIC PRODUCTS ASSEMBLERS |
| 8213-01 | 82131 | Assembler, Leather Products |
| 8213-02 | 82132 | Assembler, Metal Products |
| 8213-03 | 82133 | Assembler, Rubber Products |
| 8213-04 | 82134 | Assembler, Plastic Products |
| 8213-05 | New | Assembler, Plastic Toy |
| 8213-06 | New | Assembler, Umbrella |
| 8219 | | ASSEMBLERS NOT ELSEWHERE CLASSIFIED |
| 8219-01 | New | Tradesman K3 - Apparatus Assembler, Grade R9 |
| 8219-02 | 82198 | Assembler, Wood Products |
| 8219-03 | 82199 | Assembler, Composite Products |
| 8219-04 | 82199 | Assembler, Textile Products |
| 8219-05 | 82112 | Assembler, Bicycle |
| 8219-06 | New | Assembler, Door |
| 8219-07 | New | Assembler, Eyeglass Frame |
| 8219-08 | New | Furniture Finisher, wood |
| 8219-09 | New | Assembler, Jewellery |
| 8219-10 | New | Assembler, Knife |
| 8219-11 | New | Luggage Finisher |
| 8219-12 | New | Assembler, Paperboard Products |
| 8219-13 | New | Assembler, Pen and Pencil |
| 8219-14 | New | Assembler, Sun-Blinds |
| 8219-15 | New | Assembler, Thermos Bottle |
| 8221 | | MACHINE-TOOL SETTER-OPERATORS |
| 8221-01 | 82211 | Operator, Metal Forming Machine |
| 8221-02 | 82211 | Operator, Watch Production Machine |
| 8221-03 | 82211 | Operator, Needle Production Machine |
| 8221-04 | 82211 | Operator, Cable Production Machine |
| 8221-05 | 82211 | Operator, Metal Except Forging Press-Machine |
| 8221-06 | 82211 | Operator, Metal Punching Press-Machine |
| 8221-07 | 82211 | Operator, Metal Stamping Press-Machine |
| 8221-08 | 82211 | Operator, Metal Spinning Machine |
| 8221-09 | 82211 | Operator, Metal Bending Machine |
| 8221-10 | 82211 | Operator, Metal Reaming Machine |
| 8221-11 | 82211 | Operator, Metal Buffing Machine |
| 8221-12 | 82211 | Operator, Metal Coremaking Machine |
| 8221-13 | 82211 | Operator, Metal Moulding Machine |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---|---------------|---|
| 8221-14 | 82211 | Operator, Metal Flamecutting Machine |
| 8221-15 | 82211 | Operator, Metal Cutting Machine |
| 8221-16 | 82211 | Operator, Metal Sharpening Machine |
| 8221-17 | 82211 | Operator, Electric Wiring Machine |
| 8221-18 | 82211 | Operator, Metal Forging Machine |
| 8221-19 | 82211 | Operator, Metal Referring Machine |
| 8221-20 | 82211 | Operator, Metal Toy Production Machine |
| 8221-21 | 82211 | Operator, Wire Goods Production Machine |
| 8221-22 | 82211 | Operator, Boiler Production Machine |
| 8221-23 | 82211 | Operator, Clock Production Machine |
| 8221-24 | 82211 | Operator, Metal Nut Production Machine |
| 8221-25 | 82211 | Operator, Pipe Production Machine |
| 8221-26 | 82211 | Operator, Nail Production Machine |
| 8221-27 | 82211 | Operator, Jewellery Production Machine |
| 8221-28 | 82211 | Operator, Commutator Production Machine |
| 8221-29 | 82211 | Operator, Tool Production Machine |
| 8221-30 | 82211 | Operator, Rivet Production Machine |
| 8221-31 | 82211 | Operator, Zip Production Machine |
| 8221-32 | 82211 | Operator, Metal Burnishing Machine |
| 8221-33 | 82211 | Operator, Metal Etching Machine |
| 8221-34 | 82211 | Operator, Metal Welding Machine |
| 8221-35 | 82211 | Operator, Metal Grinding Machine |
| 8221-36 | 82211 | Operator, Metal Engraving Machine |
| 8221-37 | 82211 | Operator, Metal Lapping Machine |
| 8221-38 | 82211 | Operator, Core-Blowing Machine |
| 8221-39 | 82211 | Operator, Metal Sports Equipment Machine |
| 8221-40 | 82211 | Operator, Metal Shearing Machine |
| 8221-41 | 82211 | Operator, Riveting Machine |
| 8221-42 | 82211 | Operator, Metal Products Machine |
| 8221-43 | 82211 | Operator, Metal Minting Machine |
| 8221-44 | 82211 | Setter-Operator, Metalworking Machine |
| 8221-45 | 82211 | Coremaker, Foundry Machine |
| 8221-46 | 82211 | Metal Roller and Engraver -Printing Machine |
| 8221-47 | New | Setter-operator |
| 8221-48 | 82212 | Setter-Operator, Lathe |
| 8221-49 | 82213 | Setter-Operator, Shaping Machine |
| 8221-50 | 82214 | Setter-Operator, Boring and Drilling Machine |
| 8221-51 | 82215 | Setter-Operator, Honing Machine |
| 8221-52 | 82216 | Setter-Operator, Milling Machine |
| 8221-53 | 82217 | Setter-Operator, Reaping Machine |
| 8221-54 | New | Lathe Machine Operator |
| 8311 | | |
| LOCOMOTIVE ENGINE DRIVERS | | |
| 8311-01 | 83115 | Engine Driver (Bukit Bendera Train), Grade R9 |
| 8311-02 | 83117 | Locomotive Driver, Grade AA13 |
| 8311-03 | 83111 | Railway Driver |
| 8311-04 | 83111 | Locomotive Driver |
| 8311-05 | 83112 | Operator, Commuter |
| 8311-06 | 83112 | Operator, Mono-Rail |
| 8311-07 | 83112 | Operator, Light Rail Transit |
| 8311-08 | 83113 | Engine Driver, Mine |
| 8311-09 | 83114 | Driver, Engine |
| 8311-10 | 83114 | Driver's Assistant, Locomotive |
| 8312 | | |
| RAILWAY BRAKE, SIGNAL AND SWITCH OPERATORS | | |
| 8312-01 | 83121 | Braker, Railway |
| 8312-02 | 83122 | Signaller, Railway |
| 8312-03 | 83123 | Shunter, Railway |
| 8312-04 | 83124 | Yardman |
| 8312-05 | 83124 | Coupler, Railway Yard |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 8312-06 | 83125 | Pointsman, Railway |
| 8312-07 | 83126 | Gateman, Railway |
| 8321 | | MOTORCYCLE RIDERS (DRIVERS) |
| 8321-01 | 83211 | Motorcyclist |
| 8321-02 | 83212 | Rider, Despatch |
| 8321-03 | 83213 | Driver, Rickshaw |
| 8321-04 | 83214 | Driver, Motorised Tricycle |
| 8322 | | CAR, TAXI AND VAN DRIVERS |
| 8322-01 | 83228 | Driver, Grade R3 |
| 8322-02 | 83227 | General Worker (Driver), Grade 1 |
| 8322-03 | MIDA | General Worker (Driver), Grade 1 |
| 8322-04 | 83221 | Driver, Taxi |
| 8322-05 | 83222 | Chauffeur |
| 8322-06 | 83222 | Driver, Office Manager |
| 8322-07 | 83223 | Driver, Van |
| 8322-08 | 83225 | Car Jockey |
| 8322-09 | 83226 | Driver, Personal |
| 8322-10 | 83226 | Driver, Car |
| 8322-11 | 83224 | Driver, Ambulans |
| 8331 | | BUS AND TRAM DRIVERS |
| 8331-01 | 83311 | Driver, Bus |
| 8331-02 | 83312 | Driver, Tram |
| 8331-03 | 83314 | Motor Coach Driver |
| 8331-04 | 83313 | Assistant, Bus Driver |
| 8332 | | HEAVY TRUCK AND LORRY DRIVERS |
| 8332-01 | 83321 | Driver, Lorry |
| 8332-02 | 83321 | Assistant Driver, Lorry |
| 8332-03 | 83322 | Driver, Fire-Engine |
| 8332-04 | 83323 | Driver, Dump Truck |
| 8332-05 | 83324 | Driver, Truck |
| 8332-06 | 83325 | Driver, Tanker |
| 8332-07 | 83326 | Driver, Tow Truck |
| 8332-08 | 83328 | Driver, Log |
| 8332-09 | New | Driver, Concrete Mixer |
| 8341 | | MOBILE FARM AND FORESTRY PLANT OPERATORS |
| 8341-01 | 83411 | Operator, Motorised Farm Equipment |
| 8341-02 | 83411 | Driver, Farm Tractor |
| 8341-03 | 83412 | Driver, Timber Carrier |
| 8341-04 | 83413 | Driver, Winch Truck |
| 8341-05 | 83414 | Operator, Harvester |
| 8342 | | EARTH-MOVING AND RELATED PLANT OPERATORS |
| 8342-01 | 83421 | Operator, Backhoe |
| 8342-02 | 83422 | Machine Operator, Trench Digging |
| 8342-03 | 83423 | Operator, Piling-Driver |
| 8342-04 | 83424 | Operator, Bulldozer |
| 8342-05 | 83424 | Driver, Ditch Backhoe |
| 8342-06 | 83425 | Operator, Road Making Machine |
| 8342-07 | 83425 | Operator, Road Roller |
| 8342-08 | 83425 | Operator, Road Grader and Scraper |
| 8342-09 | 83426 | Winchman, Dredging |
| 8342-10 | 83426 | Operator, Backhoe Dredger |
| 8342-11 | 83427 | Operator, Tunnelling Construction Machinery |
| 8342-12 | 83428 | Operator, Drilling Plant |
| 8342-13 | 83429 | Operator, Tamping Construction Machinery |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 8342-14 | 83429 | Operator, Dragline |
| 8342-15 | 83429 | Excavator Operator |
| 8342-16 | 83429 | Tunnel Concretor |
| 8342-17 | 83429 | Tunnel Fabricator |
| 8342-18 | 83429 | Tunnel Worker |
| 8343 | | CRANE, HOIST AND RELATED PLANT OPERATORS |
| 8343-01 | 83116 | Driver/ Operator, Crane, Grade R3 |
| 8343-02 | 83431 | Operator, Crane |
| 8343-03 | 83432 | Operator, Hoist |
| 8343-04 | 83433 | Operator, Winch |
| 8343-05 | 83434 | Operator, Material Handling Lift |
| 8343-06 | 83435 | Operator, Cable Car |
| 8343-07 | New | Operator, Tower Crane |
| 8343-08 | New | Operator, Mobile Crane |
| 8344 | | LIFTING TRUCK OPERATORS |
| 8344-01 | 83441 | Operator, Forklift Truck |
| 8344-02 | 83442 | Operator, Industrial Truck |
| 8344-03 | 83443 | Operator, Lifting Truck |
| 8344-04 | New | Forklift Truck Driver |
| 8351 | | SHIPS' DECK CREWS AND RELATED WORKERS |
| 8351-01 | 83501 | Helmsman |
| 8351-02 | 83501 | Driver, Boat |
| 8351-03 | 83501 | Rower, Canoe |
| 8351-04 | 83501 | Ship Quatermaster |
| 8351-05 | 83501 | Deckhand (Ship, Barge and Boat) |
| 8351-06 | 83502 | Senior Sailor |
| 8351-07 | 83503 | Crewman |
| 8351-08 | 83503 | Sailor |
| 8351-09 | 83503 | Assistant, Shipping |
| 8351-10 | 83504 | Crew, Ship |
| 8351-11 | 83504 | Crew, Ferry |
| 8351-12 | 83505 | Lighterman |
| 8351-13 | 83506 | Ram Controller |
| 8351-14 | 83506 | Life-Boatman |
| 8351-15 | 83506 | Keeper, Light House |
| 8351-16 | 83509 | Boatswain |
| 8351-17 | New | Able Seaman |
| 8351-18 | New | Ordinary Seaman |
| 8351-19 | New | Engine Oiler |
| 8351-20 | New | Machine Wiper |
| 8351-21 | 75415 | Dive Boatman |
| 8351-22 | New | Ferry Hand |

9**ELEMENTARY OCCUPATIONS**

| 9111 | | DOMESTIC CLEANERS AND HELPERS |
|-------------|-------|--------------------------------------|
| 9111-01 | 91111 | <i>Amah</i> |
| 9111-02 | 91111 | Domestic Servant |
| 9111-03 | 91111 | Housemaid |
| 9111-04 | 91111 | Helper, Domestic |
| 9111-05 | 91111 | Helper, Housekeeper |
| 9111-06 | 91111 | Cleaner, House |
| 9111-07 | 91112 | Laundress, Household |
| 9111-08 | 91113 | Cleaner |
| 9111-09 | 91115 | Char Worker, Domestic |
| 9111-10 | 51523 | Linen Housekeeping Attendant |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 9112 | | CLEANERS AND HELPERS IN OFFICES, HOTEL AND OTHER ESTABLISHMENTS |
| 9112-01 | 91121 | Chambermaid |
| 9112-02 | 91124 | Cleaner, Hotel |
| 9112-03 | 91124 | Cleaner, Office |
| 9112-04 | 91125 | Washer |
| 9112-05 | 91126 | Cleaner, Building |
| 9112-06 | 51524 | Housekeeping Worker, Public Area |
| 9112-07 | New | Bellboy |
| 9112-08 | New | Housekeeping and Catering Service Workers |
| 9112-09 | 91223 | Cleaner, Aircraft (Interior) |
| 9112-10 | New | Cleaner, Vehicles (Interior) |
| 9112-11 | 91125 | Tea Lady |
| 9121 | | HAND LAUNDERERS AND IRONERS |
| 9121-01 | 91211 | Worker, Laundry and Dry Cleaning |
| 9121-02 | 91212 | Ironer |
| 9121-03 | 91213 | Dry-Cleaner |
| 9121-04 | 91214 | Presser |
| 9122 | | VEHICLE CLEANERS |
| 9122-01 | 91222 | Cleaner, Vehicles |
| 9122-02 | 91222 | Washer, Vehicles (Hand) |
| 9122-03 | 91224 | Washer, Auto-polish |
| 9122-04 | 91225 | Worker, Auto-sanding |
| 9123 | | SURFACE AND WINDOW CLEANERS |
| 9123-01 | 91231 | Cleaner, Window |
| 9123-02 | New | Cleaner, Sliding Door |
| 9123-03 | New | Cleaner, Surface |
| 9129 | | OTHER CLEANING WORKERS NOT ELSEWHERE CLASSIFIED |
| 9129-01 | 91291 | Worker, Toiletries |
| 9129-02 | 91293 | Worker, Washing |
| 9129-03 | 91294 | Cleaner, Carpet |
| 9129-04 | 91295 | Cleaner, Swimming Pool |
| 9129-05 | 91296 | Cleaner, Graffiti |
| 9211 | | CROP FARM LABOURERS |
| 9211-01 | 92111 | Crop Farm Labourer |
| 9211-02 | 92111 | Crop Farm Labourer, Abaca |
| 9211-03 | 92111 | Crop Farm Labourer, Nuts |
| 9211-04 | 92111 | Crop Farm Labourer, Paddy |
| 9211-05 | 92111 | Crop Farm Labourer, Spice |
| 9211-06 | 92111 | Crop Farm Labourer, Vegetables |
| 9211-07 | 92111 | Crop Farm Labourer, Field Crop |
| 9211-08 | 92111 | Crop Farm Labourer, Sugarcane |
| 9211-09 | 92111 | Crop Farm Labourer, Tobacco |
| 9211-10 | 92111 | Crop Farm Labourer, Tapioca |
| 9211-11 | 92113 | Worker, Manuring |
| 9211-12 | New | Worker, Harvesting |
| 9211-13 | New | Fruit Picker |
| 9211-14 | New | Vegetable Picker |
| 9211-15 | New | Crop Farm Labourer, Oil Palm |
| 9211-16 | 92112 | Rubber Tapper |
| 9211-17 | New | Peeler, Coconut |
| 9211-18 | New | Peeler, Potato |
| 9211-19 | New | Peeler, Pineapple |
| 9211-20 | New | Peeler, Nuts |
| 9211-21 | New | Worker, Crop Farm Product |
| 9211-22 | New | Coconut Tapper |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 9212 | | LIVESTOCK FARM LABOURERS |
| 9212-01 | 92121 | Livestock Farm Labourer |
| 9212-02 | 92121 | Livestock Farm Cleaner |
| 9212-03 | 92121 | Livestock Farm Labourer, Dairy |
| 9212-04 | 92121 | Livestock Farm Labourer, Poultry |
| 9212-05 | 92121 | Collector, Egg |
| 9212-06 | 92126 | Sorter, Egg |
| 9213 | | MIXED CROP AND LIVESTOCK FARM LABOURERS |
| 9213-01 | 92131 | Farm Labourer |
| 9214 | | GARDEN AND HORTICULTURAL LABOURERS |
| 9214-01 | 92142 | Grass Cutter |
| 9214-02 | 92143 | Tree Cutter |
| 9214-03 | 92144 | Worker, Playground Maintenance |
| 9214-04 | 92145 | Worker, Golf Course Maintenance |
| 9214-05 | 92146 | Labourer, Landscape |
| 9214-06 | New | Labourer, Garden |
| 9214-07 | New | Labourer, Horticultural |
| 9214-08 | New | Labourer, Nursery |
| 9215 | | FORESTRY LABOURERS |
| 9215-01 | 92151 | Labourer, Forestry |
| 9215-02 | 92152 | Labourer, Hunting |
| 9215-03 | 92153 | Labourer, Trapping |
| 9215-04 | New | Tree Planter |
| 9215-05 | 96296 | Tree Feller |
| 9216 | | FISHERY AND AQUACULTURE LABOURERS |
| 9216-01 | 92161 | Labourer, Fishery |
| 9216-02 | New | Labourer, Aquaculture |
| 9216-03 | 62214 | Pond Worker, Shellfish |
| 9216-04 | 62212 | Worker, Fish Cage |
| 9216-05 | 92161 | Peeler, Anchovy |
| 9216-06 | New | Worker, Salted Fish |
| 9216-07 | New | Worker, Salted Egg |
| 9216-08 | New | Worker, Fishery and Aquaculture Products |
| 9219 | | AGRICULTURAL, FORESTRY, FARMING AND FISHERY WORKERS NOT ELSEWHERE CLASSIFIED |
| 9219-01 | 62215 | Labourer, Crocodile Cage |
| 9219-02 | 62216 | Labourer, Snake Cage |
| 9311 | | MINING AND QUARRYING LABOURERS |
| 9311-01 | 93111 | Bucket Labourer |
| 9311-02 | 93111 | Labourer, Mining |
| 9311-03 | 93111 | Worker, Tin Mine |
| 9311-04 | 93111 | Dulang Washer |
| 9311-05 | 93112 | Labourer, Quarry |
| 9311-06 | 96297 | Labourer, Sanding |
| 9311-07 | 81129 | Worker, Stone |
| 9312 | | CIVIL ENGINEERING LABOURERS |
| 9312-01 | 93121 | Labourer, Construction (Civil Engineering) |
| 9312-02 | 93122 | Labourer, Maintenance (Dam) |
| 9312-03 | 96293 | Site Worker, General |
| 9312-04 | 96294 | Formwork Construction Worker |
| 9312-05 | 96295 | Piling Worker |
| 9312-06 | New | Labourer, Earth-Moving |
| 9312-07 | 93135 | Trackman, Railway |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 9313 | | BUILDING CONSTRUCTION LABOURERS |
| 9313-01 | 93131 | Hod Carrier |
| 9313-02 | 93132 | Labourer, Maintenance |
| 9313-03 | 93132 | Worker, Maintenance |
| 9313-04 | 93133 | Labourer, Digging |
| 9313-05 | 93134 | Land Clearer |
| 9313-06 | 93136 | Handyman, Building Construction |
| 9313-07 | 93137 | Labourer, Demolition |
| 9313-08 | New | Labourer, Construction (Building Work) |
| 9321 | | HAND PACKERS |
| 9321-01 | 93211 | Packer (Hand) |
| 9321-02 | 93212 | Labeller (Hand) |
| 9321-03 | New | Wrapper (Hand) |
| 9329 | | MANUFACTURING LABOURERS NOT ELSEWHERE CLASSIFIED |
| 9329-01 | 93291 | Labourer, Manufacturing |
| 9329-02 | 93292 | Sorter |
| 9329-03 | 93293 | Winder, Hand Coil |
| 9329-04 | 93294 | Labourer, Assembling |
| 9329-05 | 93295 | Washer, Hand Manufacturing |
| 9329-06 | 93299 | Hand Mixer |
| 9329-07 | 93299 | Maker, Hand Carton and Paper Box |
| 9329-08 | 93224 | Smokehouse Stoker |
| 9329-09 | New | Bottle Sorter |
| 9329-10 | New | Factory Hand |
| 9329-11 | New | Material Handler |
| 9329-12 | New | Stacker |
| 9331 | | HAND OR PEDAL VEHICLE DRIVERS |
| 9331-01 | 93311 | Rickshaw Puller |
| 9331-02 | 93311 | Pedal Vehicle Driver |
| 9332 | | ANIMAL-DRAWN MACHINERY AND VEHICLE DRIVERS |
| 9332-01 | 93321 | Driver, Animal-Drawn Vehicle |
| 9332-02 | 93322 | Driver, Bullock-Cart |
| 9332-03 | 93323 | Driver, Animal Train |
| 9332-04 | New | Mahout |
| 9332-05 | New | Driver, Animal-Drawn Machinery |
| 9333 | | TRANSPORT AND STORAGE LABOURERS |
| 9333-01 | New | Freight Worker |
| 9333-02 | 93331 | Docker |
| 9333-03 | 72336 | Worker, Shipyard |
| 9333-04 | 93331 | Stevedore |
| 9333-05 | 93332 | Handler, Cargo Freight Product |
| 9333-06 | 93333 | Loader, Railway and Road Vehicle |
| 9333-07 | 93334 | Loader, Aircraft |
| 9333-08 | 93335 | Loader, Boat (Liquid and Gases) |
| 9333-09 | 93336 | Porter, Warehouse |
| 9333-10 | 93337 | Handler, Material |
| 9333-11 | 93339 | Furniture Mover |
| 9333-12 | 93339 | Loader Worker |
| 9333-13 | 93351 | Attendant, Store |
| 9333-14 | 93352 | Operator, Store |
| 9333-15 | 93353 | Worker, Store |
| 9333-16 | 93354 | Worker, Warehouse |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 9334 | | SHELF FILLERS |
| 9334-01 | 93341 | Shelf Filler |
| 9334-02 | 43212 | Stock Filler |
| 9334-03 | 43212 | Stock Handler |
| 9411 | | FAST FOOD PREPARERS |
| 9411-01 | 94111 | Fast Food Preparer |
| 9411-02 | New | Fast Food Cook |
| 9411-03 | New | Short Order Cook |
| 9412 | | KITCHEN HELPERS |
| 9412-01 | 94121 | Kitchen Helper |
| 9412-02 | 91123 | Hand Dish Washer |
| 9412-03 | New | Kitchen Assistant |
| 9412-04 | New | Kitchen Porter |
| 9412-05 | New | Pantry Attendant |
| 9511 | | STREET AND RELATED SERVICE WORKERS |
| 9511-01 | New | Street Car Washer |
| 9511-02 | New | Errand Boy |
| 9511-03 | New | Shoe-Polisher |
| 9511-04 | New | Car Window Washer |
| 9511-05 | New | Car Guard |
| 9511-06 | New | Leaflet Distributor |
| 9511-07 | New | Free Newspaper Distributor |
| 9521 | | STREET VENDORS (EXCLUDING FOOD) |
| 9521-01 | 95201 | Newspaper Vendor |
| 9521-02 | 95202 | Pedlar |
| 9521-03 | New | Hawker |
| 9611 | | REFUSE COLLECTORS |
| 9611-01 | 96111 | Worker, Refuse Disposal |
| 9611-02 | 96113 | Scrap Handler |
| 9611-03 | 96119 | Collector, Rubbish |
| 9611-04 | New | Collector, Recycling |
| 9611-05 | New | Dustman/woman |
| 9612 | | REFUSE AND RECYCLABLE WASTE SORTERS |
| 9612-01 | 96121 | Rubbish Sorter |
| 9612-02 | New | Recycling Worker |
| 9612-03 | New | Scrap Merchant |
| 9612-04 | New | Refuse Sorter |
| 9612-05 | New | Waste Picker |
| 9612-06 | 96299 | Collector, Old Metal |
| 9612-07 | 96299 | Collector, Old Newspaper |
| 9612-08 | New | Collector, Scrap |
| 9613 | | SWEEPERS AND RELATED LABOURERS |
| 9613-01 | 96131 | Sweeper, Road |
| 9613-02 | 96132 | Sweeper, Park |
| 9613-03 | 96132 | Sweeper, Floor |
| 9613-04 | 96133 | Labourer, Odd-Job |
| 9613-05 | 96134 | Cleaning Worker, Blowing Machine |
| 9613-06 | 96135 | Cleaning Worker, Vacuuming Machine |
| 9613-07 | New | Sweeper, Street |
| 9621 | | MESSENGERS, PACKAGE DELIVERERS AND LUGGAGE PORTERS |
| 9621-01 | 96217 | General Office Assistant, Grade N1 |
| 9621-02 | 33437 | Sergeant-at-arms, Grade N11 |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---|---------------|--|
| 9621-03 | 96218 | General Assistant (Notice Boy), Grade 1 |
| 9621-04 | 44126 | Notice Boy, Grade N3 |
| 9621-05 | MIDA | General Assistant (Support), Grade 1 |
| 9621-06 | SPAD | General Assistant, Grade L3 |
| 9621-07 | 96211 | Messenger, Courier |
| 9621-08 | 96212 | Porter, Luggage |
| 9621-09 | 96213 | Office Boy |
| 9621-10 | 96213 | Document Searcher |
| 9621-11 | 96214 | Newspaper Deliverer |
| 9621-12 | 96215 | Caddie |
| 9621-13 | 96216 | Assistant, Delivery |
| 9621-14 | 96219 | Bill Poster |
| 9621-15 | New | Document Courier |
| 9621-16 | 83506 | Goods Carrier |
| 9621-17 | 91121 | Room Boy |
| 9621-18 | 91122 | Porter |
| 9621-19 | New | Messenger |
| 9621-20 | New | Post-runner |
| 9621-21 | 96299 | Trolley Boy |
| 9622 | | |
| ODD-JOB PERSONS | | |
| 9622-01 | 96291 | General Worker, Grade R1 |
| 9622-02 | 96292 | Specialised General Worker, Grade R3 |
| 9622-03 | 96299 | General Worker (General Services), Grade 1 |
| 9622-04 | 96221 | Odd-Job Person |
| 9622-05 | 96299 | General Worker |
| 9622-06 | 96222 | Handyperson |
| 9623 | | |
| METER READERS AND VENDING-MACHINE COLLECTORS | | |
| 9623-01 | 96231 | Meter Reader |
| 9623-02 | 96232 | Money Collector, Vending Machine |
| 9624 | | |
| WATER AND FIREWOOD COLLECTORS | | |
| 9624-01 | 96241 | Firewood Collector |
| 9624-02 | 96242 | Water Carrier |
| 9625 | | |
| ATTENDANTS | | |
| 9625-01 | 53218 | Health Assistant, Grade U3 |
| 9625-02 | New | Attendant |
| 9625-03 | 96251 | Attendant, Laboratory |
| 9625-04 | 96252 | Attendant, Hospital |
| 9625-05 | 96252 | Attendant, Veterinary |
| 9625-06 | 96253 | Attendant, Parking |
| 9625-07 | 96254 | Attendant, Lift |
| 9625-08 | 96255 | Attendant, Recreational Amusement Park |
| 9625-09 | 96255 | Attendant, Funfair |
| 9625-10 | 96256 | Attendant, Room |
| 9625-11 | 96256 | Attendant, Restroom |
| 9625-12 | 96256 | Attendant, Laundry |
| 9625-13 | 96256 | Attendant, Lavatory |
| 9625-14 | 96257 | Attendant, Bowling Alley |
| 9625-15 | 96257 | Attendant, Snooker |
| 9625-16 | 96257 | Attendant, Sports |
| 9625-17 | 96258 | Attendant, Crane |
| 9625-18 | 96258 | Attendant, Vehicle |
| 9625-19 | 96258 | Attendant, Ramp |
| 9625-20 | 96259 | Attendant, Jetty |
| 9625-21 | 96259 | Attendant, Public Area |
| 9625-22 | 96259 | Attendant, Machine |
| 9625-23 | 96259 | Attendant, Maintenance |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 9625-24 | New | Attendant, Fairground |
| 9625-25 | 54147 | Collector, Ticket |
| 9629 | | ELEMENTARY WORKERS NOT ELSEWHERE CLASSIFIED |
| 9629-01 | 43236 | Jetty Supervisor, Grade N3 |
| 9629-02 | 96293 | Unskilled Labourer |
| 9629-03 | 96295 | Worker, Inflatable |
| 0 | | ARMED FORCES |
| 0111 | | PROFESSIONAL DUTY OFFICERS (MA) |
| 0111-01 | New | Medical Officer |
| 0111-02 | New | Dental officer |
| 0111-03 | New | Pharmacy Officer |
| 0121 | | GENERAL DUTY OFFICERS (MA) |
| 0121-01 | New | Royal Malay Regiment Officer |
| 0121-02 | New | Royal Ranger Regiment Officer |
| 0121-03 | New | Royal Armoured Corps Officer |
| 0121-04 | New | Royal Signals Regiment Officer |
| 0121-05 | New | Royal Engineer Regiment Officer |
| 0121-06 | New | Royal Artillery Regiment Officer |
| 0121-07 | New | General Services Corps Officer |
| 0121-08 | New | Royal Medical Corps Officer |
| 0121-09 | New | Royal Military Police Corps Officer |
| 0121-10 | New | Royal Intelligence Corps Officer |
| 0121-11 | New | Royal Logistics Corps Officer |
| 0121-12 | New | Royal Ordnance Corps Officer |
| 0121-13 | New | Royal Electrical and Mechanical Engineer Corps Officer |
| 0121-14 | New | Armed Forces Religious Corps Officer |
| 0121-15 | New | Territorial Army Regiment Officer |
| 0121-16 | New | Border Regiment Officer |
| 0131 | | PERSONNEL OF OTHER RANKS (MA) |
| 0131-01 | New | Member of Royal Malay Regiment |
| 0131-02 | New | Member of Royal Ranger Regiment |
| 0131-03 | New | Member of Royal Armoured Corps |
| 0131-04 | New | Member of Royal Signals Regiment |
| 0131-05 | New | Member of Royal Engineer Regiment |
| 0131-06 | New | Member of Royal Artillery Regiment |
| 0131-07 | New | Member of General Services Corps |
| 0131-08 | New | Member of Royal Medical Corps |
| 0131-09 | New | Member of Royal Military Police Corps |
| 0131-10 | New | Member of Royal Intelligence Corps |
| 0131-11 | New | Member of Royal Logistics Corps |
| 0131-12 | New | Member of Royal Ordnance Corps |
| 0131-13 | New | Member of Royal Electrical and Mechanical Engineer Corps |
| 0131-14 | New | Member of Armed Forces Religious Corps |
| 0131-15 | New | Member of Territorial Army Regiment |
| 0131-16 | New | Member of Border Regiment |
| 0211 | | GENERAL DUTY OFFICERS (RMN) |
| 0211-01 | New | Executive Officer |
| 0211-02 | New | Technical Officer |
| 0211-03 | New | Supply Officer |
| 0221 | | PERSONNEL OF OTHER RANKS (RMN) |
| 0221-01 | New | Member of Surface Warfare |
| 0221-02 | New | Member of Submarine Warfare (Sonar) |
| 0221-03 | New | Member of Submarine Warfare (Control) |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 0221-04 | New | Member of Warfare Tactical Plotters |
| 0221-05 | New | Member of Naval Provost |
| 0221-06 | New | Diver |
| 0221-07 | New | Member of Hydrography |
| 0221-08 | New | Member of Communications |
| 0221-09 | New | Member of Physical Trainers |
| 0221-10 | New | Member of Administration and Finance |
| 0221-11 | New | Member of Logistics Technicians |
| 0221-12 | New | Member of Navy Cooks |
| 0221-13 | New | Member of Officers' Mess Personnel |
| 0221-14 | New | Member of the Brass Band |
| 0221-15 | New | Member of Propulsion Marine Technicians |
| 0221-16 | New | Member of Power and Ordinance Electrical Technicians |
| 0221-17 | New | Member of Electrical and Radio Technicians |
| 0311 | | GENERAL DUTY OFFICERS (RMAF) |
| 0311-01 | New | General Duty Pilot Branch Officer |
| 0311-02 | New | Navigation Branch Officer |
| 0311-03 | New | Engineering Branch Officer |
| 0311-04 | New | Secretariat Branch Officer |
| 0311-05 | New | Material Branch Officer |
| 0311-06 | New | Air Traffic Control Branch Officer |
| 0311-07 | New | Air Defence Control Branch Officer |
| 0311-08 | New | Fire Brigade Branch Officer |
| 0311-09 | New | Flight Engineer Branch Officer |
| 0311-10 | New | Weapon Sensor Branch Officer |
| 0321 | | PERSONNEL OF OTHER RANKS (RMAF) |
| 0321-01 | New | Stewardess |
| 0321-02 | New | Airframe Technician |
| 0321-03 | New | Avionics Technician |
| 0321-04 | New | Instrument Technician |
| 0321-05 | New | Weapon Technician |
| 0321-06 | New | Electrical Technician |
| 0321-07 | New | Engine Technician |
| 0321-08 | New | Statistical Assistant |
| 0321-09 | New | Aviation Support Equipment Technician |
| 0321-10 | New | Air Defence Technician |
| 0321-11 | New | Air Traffic Control Assistant |
| 0321-12 | New | Fire Brigade |
| 0321-13 | New | Administrative Assistant |
| 0321-14 | New | Catering Assistant |
| 0321-15 | New | Brass Band |
| 0321-16 | New | Provost |
| 0321-17 | New | Physical Trainer |
| 0321-18 | New | Logistics Technician |
| 0321-19 | New | Cataloguer |
| 0321-20 | New | Logistics System Technician |
| 0321-21 | New | Driver |



INDEX

**Occupations According to
Alphabetical Order**

INDEX - Alphabetical Order

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| A | | |
| 2166-32 | New | 2D Animator |
| 2166-33 | New | 3D Artist |
| 2251-07 | 22503 | Abattoir Veterinarian |
| 8351-17 | New | Able Seaman |
| 2522-22 | New | Access Administration Analyst |
| 1411-14 | New | Accommodation Manager |
| 2411-21 | 24116 | Account Executive |
| 1211-02 | 12111 | Account Manager |
| 2411-27 | New | Account Payable Executive |
| 2411-26 | New | Account Receivable Executive |
| 2411-10 | 24111 | Accountant |
| 1112-10 | New | Accountant General |
| 2411-01 | 24112 | Accountant, Grade W41 |
| 3313-01 | 43116 | Accounting Assistant, Grade W17 |
| 4311-13 | 43112 | Accounting Machine Clerk |
| 4311-10 | 43112 | Accounts and Promotion Clerk |
| 4311-07 | 43112 | Accounts Clerk |
| 4311-08 | 43112 | Accounts Payable Clerk |
| 4311-09 | 43112 | Accounts Receivable Clerk |
| 3313-06 | 33411 | Accounts Supervisor |
| 3134-05 | 31344 | Acetylene Plant Operator |
| 8131-23 | 81314 | Acid Plant Operator |
| 2847-01 | 26571 | Acrobat |
| 2845-01 | 26551 | Actor |
| 3314-03 | 43128 | Actuarial Assistant |
| 4312-17 | 43115 | Actuarial Clerk |
| 2121-01 | 21202 | Actuarial Officer, Grade W41 |
| 3255-03 | New | Acupressure Therapist |
| 2231-03 | 32305 | Acupuncturist |
| 2825-06 | New | Addiction Counsellor |
| 2842-04 | 26522 | Adiguru - Ancient Malay Dance-Theatre |
| 2842-05 | 26522 | Adiguru - Shadow Puppet Theatre |
| 7613-01 | 75231 | Adjuster, Wood Machine |
| 4312-22 | 43115 | Adjustment Clerk |
| 2425-18 | New | Administration Executive Officer |
| 4311-14 | 43112 | Administrative and Accounting Clerk |
| 2422-01 | 24253 | Administrative and Diplomatic Officer, Grade M41 |
| 4111-18 | 41101 | Administrative Assistant |
| 0321-13 | New | Administrative Assistant |
| 4311-01 | 43111 | Administrative Assistant (Accounting), Grade 21 |
| 3712-01 | 43119 | Administrative Assistant (Appraisal), Grade 21 |
| 3313-03 | 43117 | Administrative Assistant (Audit), Grade 21 |
| 4111-04 | New | Administrative Assistant (Clerical), Grade 21 |
| 3511-02 | New | Administrative Assistant (Computer Operator), Grade 21 |
| 3511-03 | 35115 | Administrative Assistant (Computer Technician), Grade 21 |
| 4225-01 | 42228 | Administrative Assistant (Customer Service), Grade 21 |
| 4111-03 | 41109 | Administrative Assistant (Designer), Grade 21 |
| 4111-05 | New | Administrative Assistant (Engineering), Grade 21 |
| 4312-01 | 43118 | Administrative Assistant (Finance), Grade W17 |
| 3411-01 | 44195 | Administrative Assistant (Legal), Grade L17 |
| 4411-01 | 44116 | Administrative Assistant (Library), Grade 21 |
| 3631-02 | New | Administrative Assistant (Photographer), Grade 21 |
| 4121-07 | 41205 | Administrative Assistant (Secretarial) |
| 4121-04 | New | Administrative Assistant (Secretarial), Grade 21 |
| 5414-03 | 54148 | Administrative Assistant (Security), Grade 21 |
| 4111-01 | 41103 | Administrative Assistant (Clerical/ Operation), Grade N17 |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 4111-11 | 41101 | Administrative Clerk |
| 2425-15 | 24251 | Administrative Executive |
| 3343-05 | New | Administrative Executive Assistant |
| 1215-01 | 12151 | Administrative Manager |
| 2425-17 | New | Administrative Officer |
| 2425-01 | 24256 | Administrative Officer, Grade N41 |
| 3343-17 | New | Administrative Secretary |
| 1215-02 | New | Administrative Service Manager |
| 3341-05 | 33411 | Administrative Supervisor |
| 1121-25 | New | Administrator |
| 2521-06 | 25213 | Administrator, Electronic Data Processing (PDE) |
| 4121-14 | 41203 | Admission Secretary |
| 2241-02 | New | Advanced Care Paramedic |
| 2431-01 | 24311 | Advertising Account Executive |
| 3632-07 | 34321 | Advertising Illustrator |
| 1222-01 | 12221 | Advertising Manager |
| 5241-02 | 52412 | Advertising Model |
| 2611-27 | 26111 | Advocate |
| 2611-07 | 26117 | Advocate, Grade L41 |
| 3631-08 | 34314 | Aerial Photographer |
| 2165-17 | 21658 | Aerial Surveyor |
| 2847-07 | 26575 | Aerialist Trapeze Performer |
| 3622-09 | 34223 | Aerobics Coach |
| 3623-09 | New | Aerobics Instructor |
| 2111-03 | 21112 | Aerodynamicist |
| 3111-24 | New | Aerological Technician |
| 2144-36 | New | Aero-Material Component Engineer |
| 3115-14 | 31151 | Aeronautical (Mechanical) and Equipment Engineering Assistant |
| 2171-10 | 21737 | Aeronautical Engineer |
| 3115-04 | 31151 | Aeronautical Engineering Technician |
| 3115-29 | New | Aeronautics Engineering Technician |
| 3115-03 | 31151 | Aerospace (Mechanical) Engineering Technician |
| 3522-01 | 35221 | Aerospace Engineering Technician (Telecommunications) |
| 5142-06 | 51425 | Aesthetician |
| 3322-02 | 33222 | After Sales Service Adviser |
| 1613-02 | New | Aged Care Home Director |
| 1613-01 | 13431 | Aged Care Service Manager |
| 2132-12 | 21321 | Agricultural Adviser |
| 3142-01 | 31427 | Agricultural Assistant, Grade G17 |
| 2144-29 | 21449 | Agricultural Engineer |
| 3719-09 | New | Agricultural Inspector |
| 1311-06 | 13112 | Agricultural Manager |
| 2132-09 | 21321 | Agricultural Officer |
| 2132-03 | 21325 | Agricultural Officer, Grade G41 |
| 2133-04 | 21332 | Agricultural Scientist |
| 2426-08 | New | Agriculture Biotech Researcher |
| 2426-06 | New | Agro-Based Biotech Food Researcher |
| 3139-09 | New | Agro-Based Food Biotech Research Technician |
| 2112-09 | 21125 | Agrometeorologist |
| 2133-02 | 21331 | Agronomist |
| 3142-04 | 31421 | Agronomy Technician |
| 2179-04 | 21743 | Air Cargo Officer |
| 0311-07 | New | Air Defence Control Branch Officer |
| 0321-10 | New | Air Defence Technician |
| 2143-03 | New | Air Pollution Control Engineer |
| 0321-11 | New | Air Traffic Control Assistant |
| 3151-01 | 43238 | Air Traffic Control Assistant, Grade A17 |
| 0311-06 | New | Air Traffic Control Branch Officer |
| 2174-01 | 21742 | Air Traffic Control Officer, Grade A41 |
| 2174-03 | 21741 | Air Traffic Controller |
| 3151-02 | 31511 | Air Traffic Safety Technician |
| 4323-15 | 43234 | Air Transport Operations Clerk |
| 7127-03 | 71271 | Air-Conditioning Equipment Mechanic |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 2171-09 | 21737 | Aircraft Design Engineer |
| 7232-02 | New | Aircraft Engine Fitter |
| 7232-01 | 72321 | Aircraft Engine Mechanic |
| 2171-08 | 21737 | Aircraft Engineer |
| 2173-02 | JPA | Aircraft Examiner, Grade A41 |
| 7232-03 | New | Aircraft Maintenance Mechanic |
| 7232-05 | New | Aircraft Maintenance Mechanic (Airframe) |
| 7232-06 | New | Aircraft Maintenance Mechanic (Engine) |
| 3151-06 | New | Aircraft Maintenance Technician (Airframes) |
| 3151-07 | New | Aircraft Maintenance Technician (Engines) |
| 7232-07 | New | Aircraft Mechanic |
| 3151-08 | New | Aircraft Restorer |
| 3151-05 | New | Aircraft Service Technician |
| 3151-03 | New | Aircraft Technician |
| 7232-08 | New | Airframe and Power Plant Mechanic |
| 3151-09 | New | Airframe and Power Plant Technician |
| 7232-09 | New | Airframe Mechanic |
| 3151-10 | New | Airframe Technician |
| 0321-02 | New | Airframe Technician |
| 4221-07 | 42212 | Airline Travel Clerk |
| 5111-07 | 51117 | Airport Attendant |
| 1121-09 | 11201 | Airport Manager |
| 2145-13 | 21456 | Alcohol Technologist |
| 6221-05 | New | Algae Cultivator |
| 5311-02 | 53115 | <i>Amah</i> |
| 9111-01 | 91111 | <i>Amah</i> |
| 1112-27 | 11123 | Ambassador |
| 3258-01 | 32581 | Ambulance Assistant |
| 3258-02 | New | Ambulance Officer |
| 3258-03 | New | Ambulance Paramedic |
| 2212-04 | 22122 | Anaesthetist |
| 2514-16 | New | Analogue Integrated Circuit (IC) Design Verification Engineer |
| 2152-36 | New | Analogue Integrated Circuit (IC) Designer |
| 2511-58 | New | Analogue Integrated Circuit (IC) Designer (IT) |
| 2141-26 | New | Analogue Integrated Circuit (IC) Package Design Engineer |
| 2514-08 | 25145 | Analyst Programmer |
| 2134-01 | 21341 | Anatomist |
| 3212-02 | 32121 | Anatomy Technician |
| 6222-07 | 62225 | Anchorman |
| 2131-68 | New | Animal Behaviourist |
| 5164-02 | 51642 | Animal Caretaker |
| 5419-15 | New | Animal Control Officer |
| 2265-07 | 22652 | Animal Nutritionist |
| 2133-17 | 21335 | Animal Scientist |
| 1511-15 | New | Animation Director |
| 2844-03 | New | Animation Producer |
| 2514-27 | New | Animation Programmer |
| 2166-10 | New | Animator |
| 8121-21 | 81215 | Annealer, Metal |
| 2113-41 | New | Anodising Specialist |
| 4223-08 | New | Answering Service Operator |
| 2822-04 | 26322 | Anthropologist |
| 3411-02 | 44194 | Anti-Drug Assistant, Grade S17 |
| 2919-07 | 26194 | Anti-Drug Officer, Grade S41 |
| 6123-01 | New | Apiarist |
| 2619-13 | 26198 | Appeals Referee, Social Security Claims |
| 2519-09 | New | Application Assurance Engineer (IT) |
| 2512-06 | New | Application Developer (.Net) |
| 1511-08 | New | Application Development Manager |
| 2512-07 | New | Application Engineer (.Net) |
| 2514-09 | 25145 | Application Programmer |
| 2519-10 | New | Application Security Engineer (IT) |
| 2511-35 | New | Application Specialist Support (Navision) |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 4222-02 | 42221 | Appointment Clerk |
| 2912-03 | 24218 | Appraisal Executive Officer |
| 3315-02 | 33151 | Appraiser |
| 2145-27 | New | Aqua Research and Development Nutritionist |
| 3139-10 | New | Aquaculture Biotech Research Technician |
| 2426-07 | New | Aquaculture Biotech Researcher |
| 1312-03 | New | Aquaculture Operation Manager |
| 3143-03 | 31431 | Arboriculture Technician |
| 2133-10 | 21334 | Arboriculturist |
| 2822-05 | 26323 | Archaeologist |
| 2161-03 | 21614 | Architect |
| 2161-01 | 21611 | Architect, Grade J41 |
| 3633-01 | 44197 | Archive Assistant, Grade S17 |
| 1624-03 | New | Archive Manager |
| 2811-01 | 26214 | Archive Officer, Grade S41 |
| 2811-05 | 26211 | Archivist |
| 3122-13 | New | Area Coordinator, Manufacturing |
| 3322-21 | 33227 | Area Support Sales Engineer |
| 0121-14 | New | Armed Forces Religious Corps Officer |
| 3632-11 | 34322 | Armorial Designer |
| 2811-08 | 26213 | Art Gallery Curator |
| 5113-03 | 51132 | Art Gallery Guide |
| 1624-05 | New | Art Gallery Manager |
| 3141-08 | 31414 | Artificial Breeding Research Laboratory Assistant |
| 3141-07 | 31414 | Artificial Breeding Technician |
| 3241-07 | New | Artificial Inseminator |
| 2514-15 | New | Artificial Intelligence Programmer |
| 2841-05 | 26515 | Artist |
| 5241-03 | 52413 | Artist's Model |
| 2146-16 | 21462 | Assayer |
| 8211-02 | New | Assembler |
| 8211-16 | 82118 | Assembler, Agricultural Machinery |
| 8211-06 | 82111 | Assembler, Aircraft |
| 8211-23 | New | Assembler, Aircraft |
| 8212-13 | 82128 | Assembler, Audio-Visual Equipment |
| 8211-05 | 82111 | Assembler, Automobile |
| 8212-05 | 82124 | Assembler, Battery |
| 8219-05 | 82112 | Assembler, Bicycle |
| 8212-09 | 82126 | Assembler, Chronometer |
| 8212-07 | 82126 | Assembler, Clock |
| 8219-03 | 82199 | Assembler, Composite Products |
| 8219-06 | New | Assembler, Door |
| 8211-10 | 82115 | Assembler, Earth-Moving Equipment |
| 8212-02 | 82121 | Assembler, Electrical Equipment |
| 8212-06 | 82125 | Assembler, Electric-sign |
| 8212-03 | 82122 | Assembler, Electronic Equipment |
| 8211-21 | New | Assembler, Engine |
| 8211-04 | 82111 | Assembler, Engine Marine |
| 8219-07 | New | Assembler, Eyeglass Frame |
| 8211-20 | New | Assembler, Gearbox |
| 8212-11 | 82127 | Assembler, Hearing Aid |
| 8211-14 | 82117 | Assembler, Industrial Machinery |
| 8219-09 | New | Assembler, Jewellery |
| 8219-10 | New | Assembler, Knife |
| 8213-01 | 82131 | Assembler, Leather Products |
| 8211-11 | 82115 | Assembler, Machine Tool |
| 8213-02 | 82132 | Assembler, Metal Products |
| 8212-12 | 82127 | Assembler, Microelectronic Equipment |
| 8211-09 | 82115 | Assembler, Mining Machinery |
| 8211-19 | 82111 | Assembler, Motorcycle |
| 8212-10 | 82126 | Assembler, Office Machinery |
| 8219-12 | New | Assembler, Paperboard Products |
| 8219-13 | New | Assembler, Pen and Pencil |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 8213-04 | 82134 | Assembler, Plastic Products |
| 8213-05 | New | Assembler, Plastic Toy |
| 8212-14 | 82129 | Assembler, Precision Instrument |
| 8211-12 | 82116 | Assembler, Printing Machinery |
| 8211-07 | 82113 | Assembler, Refrigeration and Air-Conditioning Equipment |
| 8213-03 | 82133 | Assembler, Rubber Products |
| 8212-04 | 82123 | Assembler, Semi-Conductor |
| 8211-08 | 82114 | Assembler, Sewing Machine |
| 8219-14 | New | Assembler, Sun-Blinds |
| 8212-15 | New | Assembler, Telephone |
| 8212-16 | New | Assembler, Television |
| 8211-13 | 82116 | Assembler, Textile Machinery |
| 8219-04 | 82199 | Assembler, Textile Products |
| 8219-15 | New | Assembler, Thermos Bottle |
| 8211-24 | New | Assembler, Turbine |
| 8213-06 | New | Assembler, Umbrella |
| 8211-22 | New | Assembler, Vehicle |
| 8212-08 | 82126 | Assembler, Watch |
| 8152-08 | 81524 | Assembler, Weaving Machine |
| 8219-02 | 82198 | Assembler, Wood Products |
| 8211-15 | 82118 | Assembler, Wood Working Machinery |
| 2824-04 | 34129 | Assistant Executive Officer (Psychology), Grade 31 |
| 1311-10 | 14316 | Assistant Park / Estate Manager, Grade G27 |
| 2911-02 | 24412 | Assistant Superintendent of Immigration / Superintendent of Immigration, Grade KP27 |
| 2411-28 | 33135 | Assistant Account Executive Officer |
| 2411-29 | 33131 | Assistant Account Officer |
| 2411-03 | 33134 | Assistant Accountant, Grade W27 |
| 2425-20 | New | Assistant Administration Executive Officer |
| 2425-05 | 33416 | Assistant Administrative Officer, Grade N27 |
| 2132-06 | 31426 | Assistant Agricultural Officer, Grade G27 |
| 2174-02 | 31512 | Assistant Air Traffic Control Officer, Grade A29 |
| 2173-03 | New | Assistant Aircraft Examiner, Grade A29 |
| 2919-14 | 34114 | Assistant Anti-Drug Officer, Grade S27 |
| 2161-02 | 31126 | Assistant Architectural Officer, Grade J29 |
| 2811-03 | 34331 | Assistant Archive Officer, Grade S27 |
| 2411-38 | 33136 | Assistant Audit Executive Officer |
| 2411-32 | 33132 | Assistant Auditor, Grade W27 |
| 2149-05 | New | Assistant Building Surveyor, Grade J29 |
| 7639-01 | 81324 | Assistant Camera Operator, Grade N11 |
| 2145-05 | 31165 | Assistant Chemical Engineer, Grade J29 |
| 2916-02 | 33567 | Assistant Civil Defence Officer, Grade KP27 |
| 2825-02 | 34122 | Assistant Community Development Officer, Grade S27 |
| 2511-13 | 35122 | Assistant Computer System Analyst |
| 2132-07 | 31432 | Assistant Conservator of Forest, Grade G27 |
| 2811-04 | 34332 | Assistant Curator, Grade S27 |
| 8332-02 | 83321 | Assistant Driver, Lorry |
| 2821-02 | 34127 | Assistant Economic Affairs Officer, Grade E27 |
| 2914-02 | 33594 | Assistant Enforcement Officer, Grade N27 |
| 2142-41 | New | Assistant Engineer |
| 2142-05 | 31127 | Assistant Engineer (Civil), Grade J29 |
| 2151-02 | 31137 | Assistant Engineer (Electrical), Grade J29 |
| 2152-02 | 31145 | Assistant Engineer (Electronics), Grade J29 |
| 2144-02 | 31158 | Assistant Engineer (Mechanical), Grade J29 |
| 2142-04 | 31199 | Assistant Engineer, Grade J29 |
| 2133-25 | 32574 | Assistant Environmental Control Officer, Grade C27 |
| 2263-01 | 32572 | Assistant Environmental Health Officer/ Environmental Health Officer, Grade U29 |
| 2411-04 | 33138 | Assistant Executive Officer (Accounting), Grade 31 |
| 2411-06 | MIDA | Assistant Executive Officer (Accounting), Grade 6 |
| 2411-08 | SPAD | Assistant Executive Officer (Accounting), Grade L8 |
| 2425-04 | 33413 | Assistant Executive Officer (Administration), Grade 31 |
| 2425-10 | SPAD | Assistant Executive Officer (Administration), Grade L8 |
| 2912-02 | 33156 | Assistant Executive Officer (Appraisal), Grade 31 |
| 2411-33 | 33137 | Assistant Executive Officer (Audit), Grade 31 |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 2411-34 | New | Assistant Executive Officer (Audit), Grade 6 |
| 2411-41 | SPAD | Assistant Executive Officer (Audit), Grade L8 |
| 2821-04 | MIDA | Assistant Executive Officer (Economics), Grade 6 |
| 2914-04 | SPAD | Assistant Executive Officer (Enforcement), Grade L8 |
| 2142-06 | 31128 | Assistant Executive Officer (Engineering), Grade 31 |
| 2142-09 | SPAD | Assistant Executive Officer (Engineering), Grade L8 |
| 2412-04 | SPAD | Assistant Executive Officer (Finance), Grade L8 |
| 2522-04 | 35116 | Assistant Executive Officer (Information Technology), Grade 31 |
| 2522-06 | MIDA | Assistant Executive Officer (Information Technology), Grade 6 |
| 2522-08 | SPAD | Assistant Executive Officer (Information Technology), Grade L8 |
| 2611-12 | 34117 | Assistant Executive Officer (Legal), Grade 31 |
| 2611-14 | MIDA | Assistant Executive Officer (Legal), Grade 6 |
| 2611-16 | SPAD | Assistant Executive Officer (Legal), Grade L8 |
| 2812-04 | 34336 | Assistant Executive Officer (Library), Grade 31 |
| 2812-06 | MIDA | Assistant Executive Officer (Library), Grade 6 |
| 3343-01 | 33438 | Assistant Executive Officer (Secretarial), Grade 31 |
| 3343-02 | MIDA | Assistant Executive Officer (Secretarial), Grade 6 |
| 3343-03 | SPAD | Assistant Executive Officer (Secretarial), Grade L8 |
| 2919-16 | 33596 | Assistant Executive Officer (Security), Grade 31 |
| 2142-08 | SPAD | Assistant Executive Officer (Technician), Grade L8 |
| 2149-07 | 32576 | Assistant Factory and Machinery Inspector, Grade J29 |
| 2113-04 | 35215 | Assistant Film Laboratory Officer, C27 |
| 2412-02 | New | Assistant Finance Officer, Grade W27 |
| 2919-13 | 33597 | Assistant Fire Superintendent, Grade KB29 |
| 2132-08 | 31441 | Assistant Fisheries Officer, Grade G27 |
| 3641-01 | 34491 | Assistant Food Preparation Officer, Grade C27 |
| 2113-03 | 31112 | Assistant Food Technology Officer, Grade C27 |
| 2114-04 | 31115 | Assistant Geochemistry Officer, Grade C27 |
| 2311-07 | 23413 | Assistant Higher Learning Education Service Officer, Grade DGA29 |
| 1411-05 | 14392 | Assistant Hostel Manager, Grade N27 |
| 2919-15 | 34126 | Assistant Industrial Relations Officer, Grade S27 |
| 2432-02 | 34124 | Assistant Information Officer, Grade S27 |
| 2522-24 | 35121 | Assistant Information Technology Officer |
| 2522-03 | 35123 | Assistant Information Technology Officer, Grade F29 |
| 2919-06 | JPA | Assistant Investigation Officer/Investigation Officer, Grade P29 |
| 2826-02 | 34113 | Assistant Islamic Affairs Officer, Grade S27 |
| 2399-04 | 33564 | Assistant Kesatria Officer, Grade S27 |
| 2425-09 | 33415 | Assistant Land Administrative Officer (Sabah), Grade NT27 |
| 2425-06 | New | Assistant Land Administrative Officer, Grade N27 |
| 2425-08 | 33415 | Assistant Land Officer (Sarawak), Grade NT27 |
| 2132-05 | 31428 | Assistant Land Planning Officer, Grade G27 |
| 2162-02 | 31184 | Assistant Landscape Architect, Grade J29 |
| 2919-18 | 26437 | Assistant Language Planning Officer, Grade S27 |
| 2611-10 | New | Assistant Legal Officer, Grade L29 |
| 2812-03 | 34333 | Assistant Librarian, Grade S27 |
| 2812-07 | 34335 | Assistant Library Executive |
| 2172-02 | 31524 | Assistant Marine Officer, Grade A29 |
| 2211-03 | 32126 | Assistant Medical Officer, Grade U29 |
| 2112-02 | New | Assistant Meteorological Officer, Grade C27 |
| 2114-05 | 31175 | Assistant Mineral Officer, Grade C27 |
| 3221-02 | New | Assistant Nurse |
| 2262-08 | 53213 | Assistant Pharmacist |
| 2262-02 | JPA | Assistant Pharmacy Officer, Grade U29 |
| 2919-12 | 33593 | Assistant Prison Superintendent, Grade KX27 |
| 2824-03 | 34123 | Assistant Psychology Officer, Grade S27 |
| 2832-04 | 34334 | Assistant Publications Officer, Grade N27 |
| 2149-04 | 31191 | Assistant Quantity Surveyor, Grade J29 |
| 2919-05 | 24497 | Assistant Registration Officer/Registration Officer, Grade KP27 |
| 2426-03 | 31418 | Assistant Research Officer, Grade Q27 |
| 2426-05 | 31601 | Assistant Scientific Officer, Grade C27 |
| 3343-16 | 33439 | Assistant Secretarial Executive Officer |
| 2919-11 | 33598 | Assistant Security Officer, Grade KP27 |
| 2611-11 | 34112 | Assistant Shariah Officer, Grade LS27 |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 2822-02 | 34125 | Assistant Social Research Officer, Grade N27 |
| 2121-03 | 33141 | Assistant Statistics Officer, Grade E27 |
| 2911-03 | 33513 | Assistant Superintendent of Customs, Grade W27 |
| 3511-11 | 35111 | Assistant Supervisor, Electronic Data Processing (EDP) |
| 2165-03 | New | Assistant Surveyor, Grade J29 |
| 2399-02 | 23807 | Assistant Training Officer, Grade E27 |
| 2164-02 | 31185 | Assistant Urban and Rural Planning Officer, Grade J29 |
| 2421-02 | 33154 | Assistant Valuation Officer, Grade W27 |
| 2251-02 | 32404 | Assistant Veterinary Officer, Grade G27 |
| 2131-02 | 31417 | Assistant Wildlife Officer, Grade G27 |
| 3622-02 | 34128 | Assistant Youth and Sports Officer, Grade S27 |
| 3411-13 | 44199 | Assistant, Barrister |
| 8331-04 | 83313 | Assistant, Bus Driver |
| 9621-13 | 96216 | Assistant, Delivery |
| 2611-30 | New | Assistant, Legal |
| 4412-03 | 44122 | Assistant, Mail Dispatch |
| 8351-09 | 83503 | Assistant, Shipping |
| 3411-14 | 44199 | Assistant, Solicitor |
| 5161-01 | 51611 | Astrologer |
| 2111-29 | 21735 | Astronaut |
| 2111-23 | 21117 | Astronomer |
| 2111-24 | 21117 | Astronomer, Radio |
| 3111-21 | 31119 | Astronomy Technician |
| 2111-22 | 21117 | Astrophysicist |
| 3621-02 | 34212 | Athlete |
| 9625-02 | New | Attendant |
| 9625-14 | 96257 | Attendant, Bowling Alley |
| 9625-17 | 96258 | Attendant, Crane |
| 5163-05 | 51633 | Attendant, Crematorium |
| 8161-10 | 81602 | Attendant, Dairy Product Churning |
| 9625-24 | New | Attendant, Fairground |
| 8161-61 | 81607 | Attendant, Filtration |
| 8161-19 | 81603 | Attendant, Foodgrain Milling |
| 9625-09 | 96255 | Attendant, Funfair |
| 9625-04 | 96252 | Attendant, Hospital |
| 9625-20 | 96259 | Attendant, Jetty |
| 9625-03 | 96251 | Attendant, Laboratory |
| 9625-12 | 96256 | Attendant, Laundry |
| 9625-13 | 96256 | Attendant, Lavatory |
| 9625-07 | 96254 | Attendant, Lift |
| 9625-22 | 96259 | Attendant, Machine |
| 9625-23 | 96259 | Attendant, Maintenance |
| 5163-01 | 51631 | Attendant, Mortuary |
| 8161-41 | 81605 | Attendant, Oil Palm Sterilising |
| 9625-06 | 96253 | Attendant, Parking |
| 8161-60 | 81607 | Attendant, Pasteuriser (Brewery) |
| 9625-21 | 96259 | Attendant, Public Area |
| 9625-19 | 96258 | Attendant, Ramp |
| 9625-08 | 96255 | Attendant, Recreational Amusement Park |
| 9625-11 | 96256 | Attendant, Restroom |
| 9625-10 | 96256 | Attendant, Room |
| 8141-18 | 93223 | Attendant, Rubber Smokehouse |
| 9625-15 | 96257 | Attendant, Snooker |
| 9625-16 | 96257 | Attendant, Sports |
| 9333-13 | 93351 | Attendant, Store |
| 8113-08 | 81123 | Attendant, Trommel |
| 9625-18 | 96258 | Attendant, Vehicle |
| 9625-05 | 96252 | Attendant, Veterinary |
| 1112-04 | New | Attorney General |
| 4311-12 | 43112 | Auction Clerk |
| 3339-01 | 33151 | Auctioneer |
| 2152-16 | 21524 | Audio and Video Equipment Engineer |
| 3521-13 | 35216 | Audio and Video Equipment Technician |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 4131-05 | 41311 | Audio Typist |
| 4214-10 | 42145 | Audio Visual Equipment Rental Clerk |
| 1511-16 | New | Audio Visual Manager |
| 2266-01 | 22661 | Audiologist |
| 3521-03 | 35211 | Audio-Visual Operator |
| 2391-07 | 23915 | Audio-Visual Teaching Specialist |
| 3521-01 | 35216 | Audio-Visual Technician, Grade N17 |
| 2411-37 | 24113 | Audit and Risk Assessment Executive |
| 1211-05 | 12117 | Audit and Risk Management Manager |
| 3313-02 | 43114 | Audit Assistant, Grade W17 |
| 4311-15 | 43115 | Audit Clerk |
| 2411-36 | 24113 | Audit Executive |
| 1211-04 | 12117 | Audit Manager |
| 2411-09 | 24113 | Auditing Accountant |
| 2411-35 | 24113 | Auditor |
| 1112-06 | New | Auditor General |
| 2411-30 | 24117 | Auditor, Grade W41 |
| 2831-01 | 26411 | Author |
| 3113-12 | 31137 | Auto Electrical Technician |
| 3139-06 | New | Automated Assembly Line Operator |
| 2152-26 | New | Automation Design Engineer |
| 2141-01 | 21411 | Automation Engineer |
| 3115-15 | 31151 | Automobile Engineering Assistant |
| 3115-05 | 31151 | Automobile Engineering Technician |
| 7231-16 | New | Automotive Brake System Service Mechanic |
| 3154-04 | New | Automotive Brake System Technician |
| 7231-11 | 72318 | Automotive Mechanic |
| 3111-25 | New | Avalanche Controller |
| 3151-04 | New | Aviation Maintenance Technician |
| 0321-09 | New | Aviation Support Equipment Technician |
| 0321-03 | New | Avionics Technician |
| 2231-06 | New | Ayurvedic Practitioner |
| B | | |
| 5311-04 | 53115 | Babysitter |
| 2131-56 | 21316 | Bacteriologist |
| 2131-62 | 21316 | Bacteriologist, Agricultural |
| 2131-65 | 21316 | Bacteriologist, Dairy |
| 2131-60 | 21316 | Bacteriologist, Fishery |
| 2131-58 | 21316 | Bacteriologist, Food |
| 2131-61 | 21316 | Bacteriologist, Industrial |
| 2131-63 | 21316 | Bacteriologist, Medical |
| 2131-59 | 21316 | Bacteriologist, Molecular |
| 2131-57 | 21316 | Bacteriologist, Pharmaceutical |
| 2131-64 | 21316 | Bacteriologist, Soil |
| 2131-66 | 21316 | Bacteriologist, Veterinary |
| 3141-13 | 32121 | Bacteriology Technician |
| 7319-01 | 73192 | Badge Maker |
| 3411-03 | 44192 | Bailiff |
| 7512-01 | 75121 | Baker |
| 7311-09 | 73116 | Balancing Machine Maker |
| 7311-17 | 73116 | Balancing Machine Repairer |
| 2111-04 | 21112 | Ballistician |
| 2842-14 | 26523 | Band Conductor |
| 2842-08 | 26522 | Band Leader |
| 2411-22 | 24119 | Bank Accounting Analyst |
| 4211-08 | 42118 | Bank Assistant |
| 4211-07 | 42117 | Bank Clerk |
| 2412-09 | New | Bank Executive Officer |
| 1616-04 | New | Bank Manager |
| 4211-02 | 42111 | Bank Teller |
| 2619-07 | 26196 | Bankruptcy Officer |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--------------------------------------|
| 1412-02 | 14121 | Bar Manager |
| 3641-08 | 34343 | Barbecue Chef |
| 5141-03 | 51412 | Barber |
| 5132-04 | New | Barista |
| 7311-10 | 73117 | Barometer Maker |
| 2611-29 | 26111 | Barrister |
| 5132-01 | 51321 | Bartender |
| 5132-02 | 51322 | Bartender Assistant |
| 2113-37 | New | Basin Modeller |
| 7317-04 | 73174 | Basket Maker |
| 8112-11 | New | Batching Plant Operator |
| 7318-02 | 73182 | <i>Batik</i> Painter |
| 5419-16 | New | Beach Patrolman/woman |
| 5142-02 | 51421 | Beautician |
| 5142-01 | 51426 | Beautician, Grade B11 |
| 5142-08 | 51428 | Beauty and Health Therapist |
| 3257-20 | New | Beauty Salon Inspector |
| 2134-35 | New | Bee Cultivation Specialist |
| 5151-11 | 91122 | Bell Captain, Hotel and Lodging |
| 9112-07 | New | Bellboy |
| 2825-07 | New | Bereavement Counsellor |
| 3152-02 | 31521 | Berthing Master |
| 4212-01 | 42121 | Betting Counter Clerk |
| 2812-10 | 26224 | Bibliographer |
| 7234-04 | New | Bicycle Mechanic |
| 7234-01 | 72341 | Bicycle Repairer |
| 3612-05 | 34134 | Bilal |
| 4214-02 | 42141 | Bill Collector |
| 9621-14 | 96219 | Bill Poster |
| 3623-02 | 34232 | Billiard Instructor |
| 4311-19 | 43117 | Billing Clerk |
| 2141-28 | New | Bindery Specialist |
| 2134-02 | 21342 | Biochemist |
| 2134-04 | 21342 | Biochemist, Clinical |
| 2134-03 | 21342 | Biochemist, Enzymes |
| 2134-05 | 21342 | Biochemist, Proteins |
| 2134-06 | 21342 | Biochemist, Steroids |
| 3141-14 | 32121 | Biochemistry Technician |
| 2145-25 | New | Biodynamic Compost Expert |
| 2134-33 | New | Bio-Fermentation Specialist |
| 2831-02 | 26411 | Biographer |
| 1511-24 | New | Bioinformatics Manager |
| 3141-01 | 31411 | Biological Technician |
| 2131-09 | 21311 | Biologist |
| 2131-11 | 21311 | Biologist, Aquatic |
| 2131-10 | 21311 | Biologist, Fresh Water |
| 2131-12 | 21311 | Biologist, Marine |
| 2149-16 | New | Biomedical Engineer |
| 2121-10 | 21205 | Biometrician |
| 2134-08 | 21343 | Biophysicist |
| 3212-04 | 32121 | Biophysics Technician |
| 2131-13 | 21311 | Biotechnologist |
| 5321-08 | New | Birth Assistant (Clinic or Hospital) |
| 5322-02 | New | Birth Assistant (Home) |
| 6115-03 | 61153 | Black Pepper Farmer |
| 7221-02 | 72211 | Blacksmith |
| 3135-04 | New | Blast Furnace Operator |
| 7632-01 | New | Blaster |
| 8131-25 | 81314 | Bleach Operator, Chemical |
| 8161-23 | 81603 | Blender, Flour |
| 3117-19 | 31177 | Block Boring Technician |
| 7322-03 | 73224 | Block Printer |
| 7112-06 | New | Blocklayer |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 3212-03 | 32121 | Blood Bank Technician |
| 2152-31 | New | Board Design Engineer |
| 1411-07 | 14111 | Boarding-House Manager |
| 7115-07 | 71155 | Boatbuilder, Wood |
| 8351-16 | 83509 | Boatswain |
| 5414-07 | 54196 | Bodyguard |
| 3134-19 | 31227 | Boiler Operator Supervisor |
| 8182-03 | 81821 | Boiler Operator, Ship |
| 7213-05 | 72133 | Boilermaker |
| 8182-02 | 81822 | Boilerman |
| 2413-02 | New | Bond Analyst |
| 4312-27 | 43115 | Bond Clerk |
| 3231-07 | New | Bonesetter |
| 6113-06 | 61133 | Bonsai Grower |
| 2831-19 | 26415 | Book Editor |
| 7323-04 | 73234 | Book Embosser |
| 7323-05 | 73235 | Book Finisher |
| 3632-06 | 34321 | Book Illustrator |
| 7323-01 | 73231 | Bookbinder |
| 4221-04 | 42214 | Booking Clerk |
| 3313-05 | 43111 | Book-Keeper |
| 4311-05 | 43111 | Book-Keeping Clerk |
| 4311-04 | 43111 | Book-Keeping Machine Clerk |
| 4214-12 | 43128 | Book-Loan Clerk |
| 4212-02 | 42121 | Bookmaker's Clerk |
| 3711-03 | 33511 | Border Inspector |
| 0121-16 | New | Border Regiment Officer |
| 8113-10 | New | Bore Sinker |
| 7213-06 | 72133 | Borer |
| 8113-09 | New | Boring Equipment Operator |
| 7223-04 | New | Boring Machine Operator |
| 3141-05 | 31413 | Botanical Assistant |
| 3141-06 | 31413 | Botanical Research Laboratory Assistant |
| 3141-04 | 31413 | Botanical Technician |
| 2131-21 | 21312 | Botanist |
| 2131-27 | 21315 | Botanist, Ecology |
| 2131-22 | 21312 | Botanist, Economics |
| 2131-23 | 21312 | Botanist, Histology |
| 2131-24 | 21312 | Botanist, Mycology |
| 2131-26 | 21312 | Botanist, Soil |
| 2131-25 | 21312 | Botanist, Taxonomy |
| 9329-09 | New | Bottle Sorter |
| 3621-03 | New | Boxer |
| 7321-03 | 73215 | Braille Plate Maker |
| 8312-01 | 83121 | Braker, Railway |
| 1221-07 | 12212 | Brand Manager |
| 0321-15 | New | Brass Band |
| 7212-09 | 72134 | Brazier |
| 6121-02 | 61211 | Breeder, Dairy |
| 6129-05 | New | Breeder, Fighting Cock |
| 6121-10 | New | Breeder, Horse |
| 6121-01 | 61211 | Breeder, Livestock |
| 2145-14 | 21456 | Brewing Technologist |
| 7112-01 | 71121 | Bricklayer |
| 2145-23 | New | Briquetting Plant Engineer |
| 2153-11 | New | Broadcast Engineer |
| 3521-12 | 35216 | Broadcast Technician |
| 3521-20 | New | Broadcasting Equipment Operator |
| 3521-14 | 35216 | Broadcasting Equipment Technician |
| 4312-26 | 43115 | Brokerage Assistant |
| 4312-18 | 43115 | Brokerage Clerk |
| 4312-23 | 43115 | Brokerage Clerk |
| 7317-05 | 73177 | Broom Maker |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---------------------------------------|
| 7317-08 | 73175 | Brush Maker |
| 1113-15 | New | Buapak |
| 9311-01 | 93111 | Bucket Labourer |
| 1411-09 | 14112 | Budget Hotel Manager |
| 1211-03 | 12111 | Budget Manager |
| 7612-03 | 75222 | Builder, Bullock Cart |
| 2161-05 | 21613 | Building Architect |
| 5153-02 | 51531 | Building Caretaker |
| 7119-08 | New | Building Frame Worker |
| 3112-15 | 33591 | Building Inspector |
| 3714-06 | New | Building Permit (Licensing) Assistant |
| 2914-07 | New | Building Permit (Licensing) Officer |
| 2149-02 | 21657 | Building Surveyor, Grade J41 |
| 5112-01 | 51121 | Bus Conductor |
| 2431-09 | New | Business Compliance Executive |
| 2421-07 | New | Business Consultant |
| 2431-05 | 24315 | Business Consultant |
| 3322-15 | 33227 | Business Development Executive |
| 1214-06 | 12144 | Business Development Manager |
| 2431-04 | 24314 | Business Efficiency Officer |
| 3714-07 | New | Business Permit (Licensing) Assistant |
| 2914-08 | New | Business Permit (Licensing) Officer |
| 1214-03 | 12142 | Business Service Development Manager |
| 5211-06 | 52116 | Butcher |
| 5152-02 | New | Butler |
| 7513-03 | New | Butter Maker |
| 3323-03 | 33231 | Buyer |
| 3323-04 | 33231 | Buyer, Production Purchasing |
| C | | |
| 2512-09 | New | C/C++ Developer |
| 2514-19 | New | C/C++ Programmer |
| 2512-10 | New | C/C++ Software Engineer |
| 2514-20 | New | C++ Graphics Programmer |
| 2511-15 | New | C++ Software Analyst |
| 5111-08 | New | Cabin Crew |
| 5112-06 | 51121 | Cable Car Conductor |
| 7413-07 | 74132 | Cable Line Worker |
| 3114-03 | 31191 | CAD/CAM Technician |
| 2165-15 | 21658 | Cadastral Surveyor |
| 9621-12 | 96215 | Caddie |
| 1412-03 | 14121 | Café Manager |
| 1412-05 | 14121 | Cafe, Bar and Snack-Bar Manager |
| 5246-02 | New | Cafeteria Counter Attendant |
| 4222-06 | New | Call Centre Agent (Customer Service) |
| 4222-04 | 42225 | Call Centre Clerk |
| 1222-08 | New | Call Centre Manager |
| 2432-18 | New | Call Centre Officer |
| 1222-09 | New | Call Centre Operation Manager |
| 4222-07 | New | Call Centre Representative |
| 5244-08 | New | Call Centre Salesperson |
| 3512-12 | New | Call Centre Trainer |
| 7639-02 | 96298 | Camera/Driver Assistant, Grade N3 |
| 3521-21 | New | Cameraman/woman (Motion Picture) |
| 3521-22 | New | Cameraman/Woman (Video) |
| 5153-10 | 51522 | Camp Supervisor |
| 1621-16 | 14313 | Camping Site Manager |
| 1412-04 | 14121 | Canteen Manager |
| 3322-03 | 33223 | Canvasser |
| 7231-15 | 91226 | Car Detailer |
| 9511-05 | New | Car Guard |
| 8322-08 | 83225 | Car Jockey |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|-----------------------------------|
| 4214-08 | 42145 | Car Rental Clerk |
| 9511-04 | New | Car Window Washer |
| 1621-10 | 14313 | Caravan Park Manager |
| 8161-72 | 81607 | Carbonation Man (Malt Liquor) |
| 2113-38 | New | Carbonisation Specialist |
| 2212-05 | 22122 | Cardiac Anaesthetist |
| 2212-10 | 22126 | Cardiologist |
| 5322-01 | New | Care Aide (Home) |
| 2423-09 | 24233 | Career Adviser |
| 4321-37 | 43217 | Cargo Clerk |
| 3152-04 | 31523 | Cargo Ship Traffic Supervisor |
| 7115-03 | 71151 | Carpenter |
| 7115-04 | 71152 | Carpenter, Construction |
| 7115-09 | 71155 | Carpenter, Ship |
| 7115-11 | 71157 | Carpenter, Stage and Studio |
| 7115-12 | 71158 | Carpenter, Table |
| 7621-11 | 75315 | Carpet Mender |
| 7318-11 | New | Carpet Weaver |
| 2165-04 | 21651 | Cartographer |
| 2165-05 | 21651 | Cartographer, Marine |
| 2841-02 | 26512 | Cartoonist |
| 7113-07 | 71134 | Carver, Stone |
| 7612-18 | 75229 | Carver, Wood |
| 7113-09 | 71137 | Carver-Setter, Monument |
| 7613-04 | New | Carving Machine Operator (Wood) |
| 3632-21 | 34327 | Carving Technician |
| 2141-30 | New | Carving Technologist |
| 4211-03 | 42112 | Cash Counter Clerk |
| 5231-01 | 52301 | Cashier |
| 5231-12 | 52306 | Cashier, Reservation Office |
| 5231-03 | 52301 | Cashier, Assistant |
| 5231-05 | 52302 | Cashier, Box Office |
| 5231-09 | 52305 | Cashier, Cafeteria |
| 5231-16 | 52309 | Cashier, Cash Desk |
| 5231-15 | 52308 | Cashier, Check-Out |
| 5231-18 | 52309 | Cashier, Currency Exchange |
| 5231-17 | 52309 | Cashier, Exchange Booth |
| 5231-10 | 52305 | Cashier, Food and Beverage |
| 5231-02 | 52301 | Cashier, Office of Supervisor |
| 5231-21 | New | Cashier, Park |
| 5231-04 | 52301 | Cashier, Parking |
| 5231-07 | 52303 | Cashier, Petrol Station |
| 5231-13 | 52306 | Cashier, Race Track |
| 5231-11 | 52305 | Cashier, Restaurant |
| 5231-06 | 52303 | Cashier, Store |
| 5231-08 | 52304 | Cashier, Theatre |
| 4212-04 | 42123 | Casino Clerk |
| 1621-07 | 14313 | Casino Manager |
| 7314-04 | 73144 | Caster, Pottery and Porcelain |
| 2146-21 | New | Casting Engineer |
| 8122-10 | 81225 | Casting Finisher |
| 0321-19 | New | Cataloguer |
| 2812-14 | 26225 | Cataloguer |
| 0321-14 | New | Catering Assistant |
| 1412-06 | 14121 | Catering Manager |
| 2151-19 | New | Cell Engineer |
| 8131-15 | 81312 | Cement Furnaceman |
| 2141-21 | 21416 | Cement Technologist |
| 7114-07 | 71145 | Cementer |
| 7114-08 | 71145 | Cementer, Petroleum and Gas Wells |
| 3135-05 | New | Central Control Caster |
| 2841-08 | New | Ceramic Artist |
| 7316-04 | 73162 | Ceramic Dipper |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 2141-20 | 21416 | Ceramics Technologist |
| 2411-24 | New | Certified Accountant |
| 1112-34 | New | Chairman of Local Authority |
| 1121-18 | 11202 | Chairperson of Organisation |
| 9112-01 | 91121 | Chambermaid |
| 1615-02 | 13452 | Chancellor |
| 9111-09 | 91115 | Char Worker, Domestic |
| 2166-24 | New | Character Designer |
| 6211-22 | New | Charcoal Burner |
| 7412-02 | 74124 | Chargeman, Grade 11 |
| 7412-01 | 74122 | Chargeman, Grade R17 |
| 4214-03 | 42142 | Charity Collector |
| 2411-16 | 24116 | Chartered Accountant |
| 6211-05 | 62111 | Chaser |
| 8322-05 | 83222 | Chauffeur |
| 6211-17 | 62113 | Checker, Log |
| 6111-16 | 31425 | Checker, Plantation |
| 5222-04 | New | Checkout Supervisor |
| 7513-01 | 75131 | Cheese Maker |
| 3641-07 | 34343 | Chef |
| 3641-02 | 34341 | Chef de Cuisine |
| 3641-05 | 34344 | Chefs De Partie |
| 2145-04 | 21451 | Chemical Engineer |
| 2145-12 | 21455 | Chemical Engineer, Pharmaceutical |
| 3116-10 | 31161 | Chemical Engineering Assistant |
| 3116-09 | 31164 | Chemical Engineering Estimator |
| 3116-01 | 31161 | Chemical Engineering Technician |
| 3116-05 | 31162 | Chemical Engineering Technician (Petroleum) |
| 2145-02 | 21451 | Chemical Engineering Technologist |
| 3133-02 | 31331 | Chemical Plant Supervisor |
| 2145-06 | 21451 | Chemical Process Engineer |
| 3116-02 | 31161 | Chemical Process Engineering Technician |
| 3133-01 | New | Chemical Process Technician |
| 2145-03 | 21451 | Chemical Process Technologist |
| 3133-04 | New | Chemical-Filtering and Separating Equipment Operator |
| 3133-03 | New | Chemical-Heat-Treating Plant Operator |
| 3133-05 | New | Chemical-Still and Reactor Operator |
| 2113-05 | 21131 | Chemist |
| 2113-15 | 21135 | Chemist, Analysis |
| 2134-07 | 21342 | Chemist, Biological |
| 2113-11 | 21133 | Chemist, Corrosion |
| 2113-28 | 21139 | Chemist, Crystallography |
| 2113-18 | 21137 | Chemist, Detergent |
| 2113-25 | 21137 | Chemist, Dye |
| 2113-22 | 21137 | Chemist, Food |
| 2113-09 | 21133 | Chemist, Glass |
| 2113-23 | 21137 | Chemist, Industrial |
| 2113-08 | 21133 | Chemist, Inorganic |
| 2113-19 | 21137 | Chemist, Leather |
| 2113-10 | 21133 | Chemist, Metallurgy |
| 2113-29 | 21139 | Chemist, Nuclear |
| 2113-07 | 21132 | Chemist, Organic |
| 2113-20 | 21137 | Chemist, Paint |
| 2113-24 | 21137 | Chemist, Petroleum |
| 2113-27 | 21139 | Chemist, Pharmaceutical |
| 2113-14 | 21134 | Chemist, Physical |
| 2113-12 | 21133 | Chemist, Plastics |
| 2113-13 | 21133 | Chemist, Polymer |
| 2113-21 | 21137 | Chemist, Quality Control |
| 2113-16 | 21135 | Chemist, Research and Development |
| 2113-06 | 21132 | Chemist, Rubber |
| 2113-26 | 21137 | Chemist, Textile |
| 2113-17 | 21136 | Chemist, Water Purification |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 3111-12 | 31111 | Chemistry Laboratory Assistant |
| 3111-08 | 31111 | Chemistry Technician |
| 3623-03 | 34234 | Chess Instructor |
| 3621-08 | New | Chess Player |
| 1112-40 | New | Chief Administrator Parliament |
| 4111-15 | 41101 | Chief Clerk |
| 5121-03 | 51201 | Chief Cook |
| 1121-14 | 11202 | Chief Executive of Organisation |
| 1112-24 | New | Chief Executive of Statutory Body |
| 1121-01 | 11201 | Chief Executive Officer |
| 1112-36 | New | Chief Executive Officer of Local Authority |
| 1112-23 | New | Chief Executive Officer of Statutory Body |
| 1211-06 | 11201 | Chief Financial Officer |
| 3122-11 | 31226 | Chief Hookman Supervisor |
| 1511-09 | New | Chief Information Officer |
| 1511-02 | New | Chief Information Technology Officer |
| 1121-22 | New | Chief Legal Officer |
| 1111-06 | 11111 | Chief Minister |
| 1112-09 | New | Chief of Defence Force |
| 1121-02 | 11201 | Chief Operating Officer |
| 1112-02 | 11121 | Chief Secretary to the Government |
| 1112-18 | New | Chief Statistician |
| 2825-08 | New | Child and Youth Counsellor |
| 1611-01 | 13411 | Child Care Centre Manager |
| 5311-01 | 53111 | Child Care Worker |
| 6115-04 | New | Chilli Farmer |
| 7112-08 | New | Chimney Builder |
| 7133-03 | New | Chimney Sweeper |
| 3259-01 | 22643 | Chiropractor |
| 3134-07 | 31344 | Chlorine Plant Operator |
| 7512-04 | 75125 | Chocolate Maker |
| 6211-19 | 62113 | Chokerman, Logging |
| 2843-04 | 26532 | Choreographer |
| 1624-09 | New | Cinema Manager |
| 3521-10 | 35213 | Cinema Projectionist |
| 3521-02 | 35211 | Cinematographer |
| 2847-09 | 26575 | Circus Performer, Animal |
| 3716-01 | 54153 | Civil Defence Assistant, Grade KP17 |
| 2916-03 | 24462 | Civil Defence Officer |
| 2916-01 | 24463 | Civil Defence Officer, Grade KP41 |
| 2142-13 | 21421 | Civil Engineer |
| 2142-17 | 21422 | Civil Engineer, Aerodome Construction |
| 2142-28 | 21425 | Civil Engineer, Bridge Construction |
| 2142-18 | 21422 | Civil Engineer, Building Construction |
| 2142-23 | 21422 | Civil Engineer, Building Structure |
| 2142-21 | 21422 | Civil Engineer, Chimney Construction |
| 2142-16 | 21422 | Civil Engineer, Construction |
| 2142-19 | 21422 | Civil Engineer, Dock and Harbour Construction |
| 2142-32 | 21426 | Civil Engineer, Dredging |
| 2142-27 | 21425 | Civil Engineer, Geotechnics |
| 2142-24 | 21423 | Civil Engineer, Highway and Road |
| 2142-33 | 21427 | Civil Engineer, Hydraulics |
| 2142-34 | 21427 | Civil Engineer, Hydrology |
| 2142-31 | 21426 | Civil Engineer, Irrigation |
| 2142-35 | 21428 | Civil Engineer, Public Health |
| 2142-26 | 21423 | Civil Engineer, Railway Construction |
| 2142-25 | 21423 | Civil Engineer, Road Construction |
| 2142-36 | 21428 | Civil Engineer, Sanitary |
| 2142-30 | 21426 | Civil Engineer, Soil Mechanics |
| 2142-22 | 21422 | Civil Engineer, Structural |
| 2142-20 | 21422 | Civil Engineer, Tower Construction |
| 2142-29 | 21425 | Civil Engineer, Tunnel Construction |
| 3112-06 | 31121 | Civil Engineering Assistant |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--------------------------------------|
| 3112-07 | 31121 | Civil Engineering Estimator |
| 3112-13 | 31191 | Civil Engineering Supervisor |
| 3112-05 | 31121 | Civil Engineering Technician |
| 2142-12 | 21421 | Civil Engineering Technologist |
| 3716-03 | 33561 | Civil Service Inspector |
| 3716-02 | 33568 | Civilian Liaison Officer, Grade KP19 |
| 3315-06 | 33155 | Claim Assessor |
| 3312-05 | 33122 | Claim Executive |
| 3315-05 | 33155 | Claim Inspector |
| 4312-09 | 43128 | Claims Clerk |
| 4323-03 | 43232 | Claims Clerk, Transport |
| 8181-28 | 81849 | Clay Maker, Pottery |
| 9111-08 | 91113 | Cleaner |
| 9112-09 | 91223 | Cleaner, Aircraft (Interior) |
| 9112-05 | 91126 | Cleaner, Building |
| 7133-01 | 71331 | Cleaner, Building Exteriors |
| 9129-03 | 91294 | Cleaner, Carpet |
| 9129-05 | 91296 | Cleaner, Graffiti |
| 9112-02 | 91124 | Cleaner, Hotel |
| 9111-06 | 91111 | Cleaner, House |
| 8141-20 | 93226 | Cleaner, Latex Tank |
| 8122-11 | 81225 | Cleaner, Metal |
| 9112-03 | 91124 | Cleaner, Office |
| 9123-02 | New | Cleaner, Sliding Door |
| 9123-03 | New | Cleaner, Surface |
| 9129-04 | 91295 | Cleaner, Swimming Pool |
| 9122-01 | 91222 | Cleaner, Vehicles |
| 9112-10 | New | Cleaner, Vehicles (Interior) |
| 9123-01 | 91231 | Cleaner, Window |
| 1622-02 | 14321 | Cleaning Manager |
| 9613-05 | 96134 | Cleaning Worker, Blowing Machine |
| 9613-06 | 96135 | Cleaning Worker, Vacuuming Machine |
| 3331-01 | 33311 | Clearing Agent |
| 3341-06 | 33411 | Clerical Supervisor |
| 4412-11 | 44125 | Clerk, Address List |
| 4416-07 | 44168 | Clerk, Addressing Machine |
| 4419-18 | 44199 | Clerk, Advertising |
| 4416-09 | 44168 | Clerk, Classification |
| 3411-11 | 44199 | Clerk, Court |
| 4415-02 | 44151 | Clerk, Directory Compilation |
| 4415-09 | 44157 | Clerk, Document |
| 4416-01 | 44161 | Clerk, Employment |
| 4322-05 | 43221 | Clerk, Engineering |
| 4322-26 | 43226 | Clerk, Facility Maintenance |
| 4415-01 | 44151 | Clerk, Filing |
| 4323-16 | 43234 | Clerk, Flight Operation |
| 4322-16 | 43221 | Clerk, Food and Beverage Research |
| 4416-02 | 44167 | Clerk, General Affairs |
| 4416-05 | 44167 | Clerk, Human Resource |
| 3411-10 | 44199 | Clerk, Judge |
| 4419-09 | 43225 | Clerk, Local Sales |
| 4322-08 | 43221 | Clerk, Logging |
| 4412-10 | 44125 | Clerk, Mail |
| 4412-02 | 44122 | Clerk, Mail Dispatch |
| 4412-06 | 44124 | Clerk, Mail Sorting |
| 4412-12 | 44125 | Clerk, Mailing List |
| 4322-14 | 43221 | Clerk, Maintenance |
| 4419-07 | 43225 | Clerk, Marketing |
| 4322-18 | 43221 | Clerk, Material Order |
| 4322-17 | 43221 | Clerk, Material Planning |
| 4322-07 | 43221 | Clerk, Mill Office |
| 4322-15 | 43221 | Clerk, Motor Maintenance |
| 4322-03 | 43221 | Clerk, Operation |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 4322-12 | 43221 | Clerk, Order Management |
| 4322-10 | 43221 | Clerk, Packing |
| 4416-03 | 44167 | Clerk, Personnel |
| 4416-04 | 44167 | Clerk, Personnel Records |
| 4415-04 | 44152 | Clerk, Photocopying |
| 4322-04 | 43221 | Clerk, Plantation |
| 4322-23 | 43223 | Clerk, Power Plant |
| 4416-10 | 44168 | Clerk, Probate |
| 4322-11 | 43221 | Clerk, Procurement |
| 4322-09 | 43221 | Clerk, Procurement Purchasing |
| 4322-01 | New | Clerk, Production |
| 4322-13 | 43221 | Clerk, Production Administration |
| 4322-02 | 43221 | Clerk, Production Control |
| 4322-24 | 43224 | Clerk, Production Planning |
| 4419-12 | 43225 | Clerk, Production Sales Administration |
| 4322-06 | 43221 | Clerk, Quality and Ecology |
| 4322-28 | 43227 | Clerk, Quality Assurance |
| 4322-29 | 43227 | Clerk, Quantity Control |
| 4416-08 | 44168 | Clerk, Registration |
| 4419-06 | 43225 | Clerk, Sales |
| 4419-11 | 43225 | Clerk, Sales Administration |
| 4419-08 | 43225 | Clerk, Sales and Marketing |
| 4419-10 | 43225 | Clerk, Sales Counter |
| 4419-14 | 43225 | Clerk, Sales Order |
| 4322-21 | 43222 | Clerk, Service |
| 4323-22 | 43235 | Clerk, Shipping and Purchasing |
| 4322-22 | 43222 | Clerk, Site |
| 4322-27 | 43226 | Clerk, Technical |
| 4322-25 | 43226 | Clerk, Technician |
| 4419-13 | 43225 | Clerk, Telesales |
| 5231-14 | 52307 | Clerk, Ticket Issuing (Except Travel) |
| 5231-19 | 52309 | Clerk, Toll Collection |
| 4322-20 | 43222 | Clerk, Tool |
| 4323-18 | 43234 | Clerk, Traffic |
| 3112-08 | 31121 | Clerk-of-Work |
| 3111-26 | New | Climate Data Processor |
| 2112-13 | New | Climate Service Specialist |
| 3111-27 | New | Climate Service Technician |
| 2112-04 | 21122 | Climatologist |
| 3256-05 | 32532 | Clinical Assistant |
| 3252-02 | New | Clinical Coder |
| 2265-12 | New | Clinical Dietician |
| 1612-07 | New | Clinical Director |
| 3256-14 | 32532 | Clinical Instructor |
| 2221-04 | New | Clinical Nurse |
| 2241-03 | New | Clinical Officer (Paramedical) |
| 2824-06 | New | Clinical Psychologist |
| 4419-17 | 44199 | Clipper, Press |
| 2847-04 | 26574 | Clown |
| 5169-02 | New | Club Host |
| 1621-08 | 14313 | Club Manager |
| 3623-07 | 34239 | Clubhouse Supervisor |
| 3622-18 | 34228 | Coach, Instructor and Other Sports Official (Indoor) |
| 3622-19 | 34229 | Coach, Instructor and Other Sports Official (Outdoor) |
| 3117-18 | 31212 | Coal Mine Technician |
| 8111-13 | New | Coal Miner |
| 2146-03 | 21463 | Coal Mining Engineer |
| 8112-12 | New | Coal Washer |
| 5419-11 | 54196 | Coastguard |
| 7623-05 | 75333 | Cobbler |
| 2512-11 | New | Cobol Developer |
| 2514-21 | New | Cobol Programmer |
| 9211-22 | New | Coconut Tapper |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 4413-05 | New | Coding Clerk |
| 4413-02 | 44132 | Coding Clerk, Data Processing |
| 4413-03 | 44132 | Coding Clerk, Statistics |
| 5141-01 | 51411 | Coiffeur |
| 4312-28 | 43115 | Collateral Clerk |
| 7323-06 | New | Collator Operator |
| 6341-04 | 63405 | Collector, Bird's Nest |
| 9212-05 | 92121 | Collector, Egg |
| 9612-06 | 96299 | Collector, Old Metal |
| 9612-07 | 96299 | Collector, Old Newspaper |
| 6341-09 | New | Collector, Ornamental Stone |
| 6341-01 | 63401 | Collector, Petai |
| 9611-04 | New | Collector, Recycling |
| 6341-02 | 63402 | Collector, Resin |
| 9611-03 | 96119 | Collector, Rubbish |
| 9612-08 | New | Collector, Scrap |
| 9625-25 | 54147 | Collector, Ticket |
| 2425-16 | 24252 | College / University Registrar |
| 2832-06 | 26421 | Columnist |
| 2846-07 | 26562 | Commentator |
| 2841-09 | New | Commercial Artist |
| 6222-08 | 62226 | Commercial Fisherman |
| 3631-04 | 34312 | Commercial Illustration Photographer |
| 3631-13 | New | Commercial Photographer |
| 2163-01 | 21631 | Commercial Product Designer |
| 3322-25 | 33229 | Commercial Railway Officer |
| 5121-09 | 51201 | Commis |
| 2619-02 | 26191 | Commissioner for Oaths |
| 3324-01 | 33241 | Commodity Broker |
| 2514-05 | 25142 | Communication Programmer |
| 2141-06 | 21413 | Communications Analyst |
| 3512-07 | 35122 | Communications Assistant (ICT) |
| 2511-01 | 25111 | Communications Computer Analyst |
| 1222-03 | 12222 | Communications Manager |
| 3522-03 | New | Communications Technician |
| 1613-03 | New | Community Aged Care Coordinator |
| 1614-03 | New | Community Centre Manager |
| 3611-01 | 44164 | Community Development Assistant, Grade S17 |
| 2825-01 | 26353 | Community Development Officer, Grade S41 |
| 3611-19 | New | Community Development Worker |
| 3253-01 | New | Community Health Aide |
| 1612-08 | New | Community Health Care Coordinator |
| 3253-02 | New | Community Health Promoter |
| 3253-03 | New | Community Health Worker |
| 3222-01 | 32222 | Community Nurse, Grade U19 |
| 3611-20 | New | Community Service Worker |
| 5162-02 | 51621 | Companion |
| 5162-03 | 51621 | Companion, Social |
| 2411-20 | 24116 | Company Accountant |
| 1121-04 | 11201 | Company Director |
| 3343-14 | 33431 | Company Secretary |
| 3343-07 | New | Company Secretary (Public Sector) |
| 1212-09 | New | Compensation & Benefits Manager |
| 2846-05 | 26561 | Compere |
| 4415-03 | 44151 | Compiler, Directory |
| 1214-07 | New | Compliance Manager |
| 7321-02 | 73211 | Compositor |
| 3122-05 | 31221 | Compounding Supervisor |
| 3132-02 | 31322 | Compressor Operator |
| 2152-06 | 21523 | Computer Applications Engineer |
| 3512-06 | 35122 | Computer Assistant |
| 2521-05 | 25212 | Computer Auditor |
| 3511-16 | New | Computer Console Operator |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 2511-05 | 25111 | Computer Consultant |
| 4132-06 | 41321 | Computer Data Entry Clerk |
| 2152-09 | 21523 | Computer Engineer |
| 2152-11 | 21523 | Computer Engineer, Hardware |
| 2152-10 | 21523 | Computer Engineer, Software |
| 3512-05 | 35122 | Computer Engineering Assistant |
| 7422-07 | New | Computer Equipment Fitter |
| 2514-28 | New | Computer Game Programmer |
| 2166-35 | New | Computer Graphics (CG) Artist |
| 2166-03 | 21663 | Computer Graphics and Sound Artist |
| 3512-04 | 35122 | Computer Help Desk Operator |
| 3512-01 | 35121 | Computer Help Desk Technician |
| 3513-01 | 35131 | Computer Network Technician |
| 3511-18 | New | Computer Operator |
| 3511-07 | 35111 | Computer Peripheral Equipment Console Technician |
| 3511-08 | 35111 | Computer Peripheral Equipment High-Speed Printer Technician |
| 3511-20 | New | Computer Peripheral Equipment Operator |
| 3511-06 | 35111 | Computer Peripheral Equipment Technician |
| 2514-01 | 25141 | Computer Programmer |
| 3512-09 | 35122 | Computer Programming Assistant |
| 2511-12 | New | Computer Scientist |
| 1511-18 | New | Computer Security Manager |
| 1511-06 | 13303 | Computer Services Manager |
| 2522-18 | New | Computer Support Engineer |
| 2522-14 | 25221 | Computer System Administrator |
| 2511-04 | 25111 | Computer System Analyst |
| 2511-10 | 21664 | Computer System Designer |
| 3512-13 | New | Computer Systems Analysis Assistant |
| 2152-13 | 21523 | Computer Systems Engineer |
| 3511-05 | 35111 | Computer Technician |
| 3511-01 | 35114 | Computer Technician, Grade FT17 |
| 2393-02 | New | Computer Trainer |
| 3512-10 | 35122 | Computer User Service Assistant |
| 2166-14 | 26515 | Computer Visualiser Artist |
| 2152-24 | New | Computer-Aided Design (CAD) Design Automation Engineer |
| 2152-25 | New | Computer-Aided Design (CAD) Engineer |
| 4224-14 | 42228 | Concierge |
| 2113-39 | New | Condensation Specialist |
| 6111-13 | 31425 | Conductor, Field and Factory Oil Palm Plantation |
| 6111-12 | 31425 | Conductor, Field and Factory Rubber Plantation |
| 7512-03 | 75124 | Confectionary Maker |
| 3332-05 | New | Conference and Event Organiser |
| 3332-07 | New | Conference Planner |
| 4111-13 | 41101 | Confidential Clerk |
| 4121-11 | 41201 | Confidential Secretary |
| 3633-02 | 44193 | Conservation Assistant, Grade S17 |
| 2133-19 | New | Conservation Officer |
| 2133-20 | New | Conservation Scientist |
| 2132-02 | 21324 | Conservator of Forest, Grade G41 |
| 2183-01 | 21831 | Construction Executive |
| 7233-07 | New | Construction Machinery Mechanic |
| 7233-08 | New | Construction Machinery Repairer |
| 1323-01 | 13231 | Construction Manager |
| 3123-03 | 31232 | Construction Supervisor |
| 3343-15 | 33433 | Consular Official |
| 1112-28 | 11123 | Consul-General |
| 1222-07 | 12212 | Contact Centre Manager |
| 5244-02 | New | Contact Centre Personnel |
| 1222-10 | New | Contact Centre Team Leader |
| 3254-02 | New | Contact Lens Optician |
| 2847-02 | 26572 | Contortionist |
| 1323-03 | 13232 | Contract Manager |
| 4323-19 | 43234 | Control Clerk, Air Transport Service |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 4412-08 | 44124 | Control Clerk, Mail |
| 4412-07 | 44124 | Control Clerk, Mail Depot |
| 4412-09 | 44124 | Control Clerk, Postal Service |
| 4323-05 | 43232 | Control Clerk, Railway Service |
| 4323-11 | 43233 | Control Clerk, Road Transport Services |
| 4323-25 | 43235 | Control Clerk, Sea Transport Services |
| 4323-04 | 43232 | Control Clerk, Train |
| 4415-07 | 44155 | Controller, Document |
| 3139-04 | 31343 | Controlman |
| 3134-03 | 31343 | Controlman (Petroleum Refining) |
| 8121-11 | 81211 | Converter Blowing Operator, Steel Converting |
| 3411-07 | New | Conveyancing Clerk |
| 5121-04 | 51202 | Cook |
| 5121-07 | 51204 | Cook, Food Canning & Preserving |
| 5121-02 | 51205 | Cook, Grade N17 |
| 5121-05 | 51202 | Cook, Hotel and Catering Services |
| 5121-06 | 51203 | Cook, Private Service |
| 5121-10 | 51201 | Cook's Assistant |
| 8131-17 | 81312 | Cooker, Chemical Processes |
| 8131-10 | 81312 | Cooking Equipment Operator, Chemical Processes |
| 7514-06 | 75145 | Cooking Oil Extracter |
| 4415-08 | 44156 | Coordinator, Document |
| 4419-15 | 43225 | Coordinator, Sales |
| 4323-29 | 43237 | Coordinator, Shipping |
| 7213-04 | 72132 | Coppersmith |
| 2832-10 | New | Copy Editor |
| 2831-11 | 26413 | Copywriter, Advertising |
| 7211-09 | 72112 | Core Checker, Foundry |
| 7211-07 | New | Coremaker |
| 8221-45 | 82211 | Coremaker, Foundry Machine |
| 7211-08 | 72112 | Coremaker, Metal |
| 2619-08 | 26197 | Coroner |
| 2432-04 | 24321 | Corporate Affairs Executive |
| 2432-09 | 24323 | Corporate Communications Executive |
| 2412-05 | 24121 | Corporate Financial Adviser |
| 1213-03 | New | Corporate Planning Manager |
| 1219-05 | 12191 | Corporate Services Manager |
| 1624-06 | New | Correctional Service Manager (Archive) |
| 3343-18 | 41102 | Correspondence Assistant |
| 4111-14 | 41101 | Correspondence Clerk |
| 2111-26 | 21118 | Cosmologist |
| 2411-11 | 24113 | Cost Accountant |
| 4311-21 | 43117 | Cost Clerk |
| 4311-24 | 43117 | Cost Computing Clerk |
| 2411-23 | 33122 | Cost Controller |
| 2141-15 | 21414 | Cost Evaluation Engineer |
| 4311-26 | 43117 | Costing Assistant |
| 3312-07 | 33122 | Costing Executive |
| 2163-08 | New | Costume Designer |
| 4214-09 | 42145 | Costume Rental Clerk |
| 3611-18 | 34129 | Counselling Assistant |
| 2825-04 | 26352 | Counsellor |
| 4225-04 | 42252 | Counter Enquiry Clerk |
| 5211-04 | 52114 | Counter Sales Promoter |
| 8312-05 | 83124 | Coupler, Railway Yard |
| 2619-09 | 26197 | Court Receiver and Liquidator |
| 2832-17 | New | Court Reporter |
| 7317-01 | New | Craft Instructor, Grade E17 |
| 7319-02 | 73193 | Craftsman |
| 7224-08 | 72246 | Crankshaft Grinder |
| 3139-05 | 31344 | Crankshaft Grinding Technician |
| 8161-18 | 81602 | Cream Separator, Dairy |
| 2166-18 | New | Creative Designer |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 4311-17 | 43115 | Credit Clerk |
| 4311-18 | 43115 | Credit Control Assistant |
| 4311-16 | 43115 | Credit Control Clerk |
| 3312-03 | 33121 | Credit Control Executive |
| 1211-07 | 12111 | Credit Manager |
| 3312-04 | 33121 | Credit Supervisor |
| 1616-05 | New | Credit Union Manager |
| 8351-11 | 83504 | Crew, Ferry |
| 8351-10 | 83504 | Crew, Ship |
| 6222-06 | 62225 | Crewman |
| 8351-07 | 83503 | Crewman |
| 2822-08 | 26325 | Criminologist |
| 2831-08 | 26412 | Critic |
| 7621-24 | 75319 | Crocheter |
| 9211-01 | 92111 | Crop Farm Labourer |
| 9211-02 | 92111 | Crop Farm Labourer, Abaca |
| 9211-07 | 92111 | Crop Farm Labourer, Field Crop |
| 9211-03 | 92111 | Crop Farm Labourer, Nuts |
| 9211-15 | New | Crop Farm Labourer, Oil Palm |
| 9211-04 | 92111 | Crop Farm Labourer, Paddy |
| 9211-05 | 92111 | Crop Farm Labourer, Spice |
| 9211-08 | 92111 | Crop Farm Labourer, Sugarcane |
| 9211-10 | 92111 | Crop Farm Labourer, Tapioca |
| 9211-09 | 92111 | Crop Farm Labourer, Tobacco |
| 9211-06 | 92111 | Crop Farm Labourer, Vegetables |
| 2133-03 | 21332 | Crop Research Scientist |
| 3142-05 | 31422 | Crop Research Technician |
| 5419-17 | New | Crossing Guard |
| 4212-03 | 42122 | Croupier |
| 8131-21 | 81313 | Crude Oil Treating Equipment Operator |
| 1621-11 | 14313 | Cruise Manager |
| 8112-13 | New | Crusher Operator (Mineral or Stone Processing) |
| 8131-06 | 81311 | Crushing Operator, Chemical Processes |
| 2144-08 | 21443 | Cryogenic Engineer |
| 3634-02 | 34354 | Cultural Artist, Grade B17 |
| 2843-01 | 34353 | Cultural Artist, Grade B32 |
| 1624-04 | 14312 | Cultural Manager |
| 3639-03 | JPA | Cultural Officer, Grade B11 |
| 2844-01 | 24326 | Cultural Officer, Grade B41 |
| 3231-06 | New | Cupping Therapist |
| 2811-06 | 26211 | Curator |
| 2811-02 | 26215 | Curator, Grade S41 |
| 7516-06 | 75166 | Curer, Tobacco |
| 4211-05 | 42115 | Currency Sorter |
| 2391-10 | New | Curriculum Coordinator |
| 2391-01 | 23993 | Curriculum Developer |
| 2432-15 | New | Customer Care Coordinator |
| 4225-03 | 42251 | Customer Complaint Clerk |
| 4222-08 | New | Customer Contact Centre Information Clerk |
| 5244-01 | 52441 | Customer Contact Centre Salesperson |
| 3512-11 | New | Customer Help Desk Officer |
| 2432-16 | New | Customer Relations Executive |
| 4222-05 | New | Customer Service Assistant |
| 2432-07 | 24321 | Customer Service Executive |
| 1222-06 | 12212 | Customer Service Manager |
| 2432-14 | New | Customer Service Officer |
| 4225-02 | 42227 | Customer Service Officer, Grade N17 |
| 4222-03 | 42222 | Customer Service Supervisor |
| 2434-05 | New | Customer Support Representative |
| 3711-02 | 33511 | Customs and Border Inspector |
| 3711-01 | 33511 | Customs Inspector |
| 5415-02 | 54152 | Customs Superintendent Assistant, Grade W17 |
| 7323-07 | New | Cutter Operator |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 7622-04 | 75324 | Cutter, Garment |
| 7622-08 | 75325 | Cutter, Gloves |
| 7113-11 | 71139 | Cutter, Granite |
| 7622-09 | 75325 | Cutter, Mattress |
| 8171-06 | 81716 | Cutter, Paper Pulp |
| 7622-06 | 75325 | Cutter, Sail |
| 7113-04 | 71132 | Cutter, Stone |
| 7622-05 | 75325 | Cutter, Tent |
| 7622-07 | 75325 | Cutter, Umbrella |
| 8172-08 | 81722 | Cutter, Veneer |
| 7122-05 | 71224 | Cutter-Setter, Mosaic |
| 7224-02 | 72242 | Cutting Instruments Sharpener |
| 8111-05 | 81111 | Cutting Machine Operator, Mine |
| 3122-07 | 31222 | Cutting Supervisor |
| 3119-28 | 31222 | Cutting Technician |
| 2529-02 | New | Cyber Security Executive |
| 3134-14 | 31349 | Cylinder Filler and Tester (Compressed and Liquefied Gases) |
| 2131-18 | New | Cystologist |
| 2131-20 | 21313 | Cystologist, Animal |
| 2131-19 | 21312 | Cystologist, Plant |
| 3212-09 | 32121 | Cytology Technician |
| D | | |
| 3142-13 | New | Dairy Technician |
| 2843-06 | 26534 | Dance Arranger |
| 2843-05 | 26533 | Dance Director |
| 2843-07 | 26534 | Dance Instructor |
| 5169-03 | New | Dance Partner |
| 2353-02 | New | Dance Teacher |
| 2843-02 | 26531 | Dancer |
| 2843-03 | 26531 | Dancer, Night Club |
| 3257-21 | New | Dangerous Goods Inspector |
| 3257-22 | New | Dangerous Waste Inspector |
| 7422-06 | New | Data and Telecommunications Cabler |
| 2511-37 | New | Data Centre Specialist |
| 4132-08 | New | Data Entry Operator |
| 3341-02 | 33411 | Data Entry Supervisor |
| 4132-04 | New | Data Input Clerk |
| 1511-10 | New | Data Operations Manager |
| 1511-07 | 13304 | Data Processing Manager |
| 2521-03 | 25211 | Database Administrator |
| 2521-02 | 25211 | Database Analyst |
| 2521-01 | 25211 | Database Architect |
| 3512-08 | 35122 | Database Assistant |
| 2521-04 | 25211 | Database Designer |
| 1511-17 | New | Database Manager |
| 2514-06 | 25143 | Database Programmer |
| 1421-14 | 14203 | Dealer |
| 1615-06 | 13452 | Dean |
| 1615-07 | 13452 | Dean of Faculty |
| 4214-04 | 42143 | Debt Collector |
| 8351-05 | 83501 | Deckhand (Ship, Barge and Boat) |
| 7316-10 | New | Decorative Painter |
| 8161-58 | 81605 | Dehydrator, Foodstuffs |
| 4321-05 | 43211 | Delivery and Receiving Clerk |
| 1113-02 | 11131 | Demang |
| 3641-12 | 34347 | Demi Chef |
| 2121-22 | 21209 | Demographer |
| 5242-01 | 52421 | Demonstrator |
| 5321-06 | 53211 | Dental Aide |
| 3251-06 | 32512 | Dental Assistant |
| 3251-03 | 32511 | Dental Health Nurse |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 3251-07 | New | Dental Hygienist |
| 2311-05 | 23109 | Dental Lecturer, Grade DUG45 |
| 3251-04 | 32511 | Dental Nurse |
| 3251-01 | 32513 | Dental Nurse, Grade U29 |
| 0111-02 | New | Dental officer |
| 2261-01 | 22617 | Dental Officer, Grade U41 |
| 2261-16 | New | Dental Practitioner |
| 7311-05 | 73112 | Dental Prosthesis Maker |
| 7311-13 | 73112 | Dental Prosthesis Repairer |
| 4224-03 | 42263 | Dental Receptionist |
| 3251-05 | 32511 | Dental School Nurse |
| 2261-17 | New | Dental Surgeon |
| 3251-02 | 53212 | Dental Surgery Assistant, Grade U17 |
| 3214-01 | New | Dental Technician |
| 2261-21 | 32141 | Dental Technologist, Grade U29 |
| 3251-08 | New | Dental Therapist |
| 2261-04 | 22611 | Dentist |
| 2261-13 | 22616 | Dentist, Oral Surgery |
| 2261-07 | 22613 | Dentist, Orthodontistry |
| 2261-05 | 22612 | Dentist, Paedodontistry |
| 2261-11 | 22615 | Dentist, Periodontistry |
| 2261-09 | 22614 | Dentist, Prosthodontistry |
| 3214-02 | New | Denturist |
| 1111-09 | New | Deputy Chief Minister |
| 1121-05 | New | Deputy Executive Director |
| 1111-04 | 11112 | Deputy Minister |
| 1111-13 | New | Deputy President of the Senate |
| 1111-02 | 11115 | Deputy Prime Minister |
| 1112-22 | 11121 | Deputy Secretary of Government |
| 1111-16 | New | Deputy Speaker of the House Representatives |
| 2212-33 | 22129 | Dermatologist |
| 8113-12 | New | Derrick Operator |
| 8113-11 | New | Derrickman |
| 2166-19 | New | Design Architect |
| 2512-04 | New | Design Engineer |
| 2511-59 | New | Design Engineer (IT) |
| 1619-02 | 13492 | Design Manager |
| 2166-06 | New | Designer |
| 2166-08 | 34321 | Designer Artist |
| 3632-01 | 34328 | Designer, Grade B11 |
| 2166-01 | 21661 | Designer, Grade B41 |
| 2166-20 | New | Desktop Publishing Artist |
| 3632-05 | New | Desktop Publishing Artist |
| 7321-05 | 73214 | Desktop Publishing Equipment Worker |
| 3134-04 | 31344 | Desulphuriser Operator, Petroleum Refining |
| 7632-04 | 75422 | Detonator |
| 7324-06 | 73245 | Developer, Colour and Black and White Films |
| 7324-07 | 73246 | Developer, X-Ray Film |
| 8132-24 | New | Developing Machine Operator - Photography |
| 3211-04 | New | Diagnostic Medical Radiographer |
| 2146-05 | 21463 | Diamond Mining Engineer |
| 2144-12 | 21445 | Diesel Engineer |
| 7231-17 | New | Diesel Fitter (Road Transport) |
| 2265-10 | 22653 | Dietetic Consultant |
| 2265-01 | 22656 | Dietetics Officer, Grade U41 |
| 2265-02 | 22651 | Dietician |
| 2166-09 | New | Digital Artist |
| 2529-03 | New | Digital Forensic Specialist |
| 2152-37 | New | Digital Integrated Circuit (IC) Designer |
| 7322-06 | New | Digital Press Operator |
| 3641-09 | 34343 | Dim Sum Chef |
| 1112-31 | 11123 | Diplomatic Representative of Embassy |
| 5243-01 | 52433 | Direct Selling Salesperson |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 1121-24 | New | Director |
| 1612-02 | 13421 | Director of Nursing |
| 1121-17 | 11202 | Director of Organisation |
| 2844-17 | New | Director of Photography |
| 1112-26 | New | Director of Statutory Body |
| 2844-11 | 26541 | Director, Motion Picture |
| 1112-16 | 11121 | Director-General of Regional Government |
| 1112-12 | New | Director-General of Customs |
| 1121-13 | 11201 | Director-General of Enterprise |
| 1112-13 | New | Director-General of Fire and Rescue |
| 1112-15 | 11121 | Director-General of Government Department |
| 1112-08 | New | Director-General of Health |
| 1121-15 | 11202 | Director-General of Organisation |
| 1112-03 | New | Director-General of Public Service |
| 1112-25 | New | Director-General of Statutory Body |
| 3611-21 | New | Disability Service Officer |
| 1412-09 | 14122 | Discotheque Manager |
| 3252-03 | New | Disease Registry Technician |
| 2846-01 | 26561 | Disk Jockey (DJ) |
| 4323-30 | New | Dispatch Clerk, (Transport Service) |
| 4323-17 | 43234 | Dispatch Clerk, Air Transport |
| 4323-20 | 43234 | Dispatch Clerk, Aircraft |
| 4323-26 | 43235 | Dispatch Clerk, Boat |
| 4323-12 | 43233 | Dispatch Clerk, Bus |
| 4323-27 | 43235 | Dispatch Clerk, Gas Pipeline |
| 4323-28 | 43235 | Dispatch Clerk, Oil Pipeline |
| 4323-07 | 43232 | Dispatch Clerk, Railway |
| 4323-13 | 43233 | Dispatch Clerk, Road Transport |
| 4323-06 | 43232 | Dispatch Clerk, Train |
| 4323-14 | 43233 | Dispatch Clerk, Truck |
| 2262-07 | New | Dispensing Chemist |
| 3254-03 | New | Dispensing Optician |
| 3632-08 | 34322 | Display Artist |
| 3632-09 | 34322 | Display Decorator |
| 3632-12 | 34322 | Display Designer |
| 1222-05 | 12223 | Display Manager |
| 3131-11 | New | Distribution Control Operator |
| 1324-09 | 13242 | Distribution Manager |
| 2221-05 | New | District Nurse |
| 8351-21 | 75415 | Dive Boatman |
| 7631-01 | 75411 | Diver |
| 0221-06 | New | Diver |
| 7631-02 | 75412 | Diver, Construction |
| 6222-05 | 62223 | Diver, Oyster |
| 6222-04 | 62223 | Diver, Pearl |
| 9333-02 | 93331 | Docker |
| 3115-18 | 31154 | Dockmaster, Dry Dock |
| 3115-19 | 31154 | Dockmaster, Graving Dock |
| 4415-06 | 44154 | Document Control Clerk |
| 4415-05 | 44153 | Document Copying Clerk |
| 9621-15 | New | Document Courier |
| 9621-10 | 96213 | Document Searcher |
| 2812-13 | 26225 | Documentalist |
| 2844-16 | New | Documentary Director |
| 2848-03 | 26583 | Dog Trainer |
| 5152-03 | New | Domestic Housekeeper |
| 9111-02 | 91111 | Domestic Servant |
| 5414-18 | New | Doorkeeper |
| 5243-03 | New | Door-to-Door Sales Representative |
| 5243-02 | New | Door-to-Door Salesperson |
| 8111-10 | New | Dragline Operator (Mining) |
| 7119-03 | 71192 | Drain Layer |
| 2353-03 | New | Drama Teacher |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 3118-04 | 31181 | Draughting Technician |
| 3118-05 | 31181 | Draughtsperson |
| 3118-11 | 31181 | Draughtsperson, Aeronautical Engineering |
| 3118-20 | 31181 | Draughtsperson, Architectural |
| 3118-10 | 31181 | Draughtsperson, Cartographical |
| 3118-12 | 31181 | Draughtsperson, Civil Engineering |
| 3118-06 | 31181 | Draughtsperson, Die |
| 3118-13 | 31181 | Draughtsperson, Electrical Engineering |
| 3118-14 | 31181 | Draughtsperson, Electronics Engineering |
| 3118-07 | 31181 | Draughtsperson, Geological |
| 3118-01 | 31182 | Draughtsperson, Grade J17 |
| 3118-17 | 31181 | Draughtsperson, Heating and Ventilation System Engineering |
| 3118-08 | 31181 | Draughtsperson, Illustration Technique |
| 3118-09 | 31181 | Draughtsperson, Jig & Tool |
| 3118-18 | 31181 | Draughtsperson, Lithographic |
| 3118-15 | 31181 | Draughtsperson, Marine Engineering |
| 3118-16 | 31181 | Draughtsperson, Mechanical Engineering |
| 3118-19 | 31181 | Draughtsperson, Mining |
| 3118-21 | 31181 | Draughtsperson, Structural |
| 3118-22 | 31181 | Draughtsperson, Technical |
| 3118-23 | 31181 | Draughtsperson, Topographical |
| 8121-19 | 81215 | Drawer, Metal |
| 8121-29 | 81216 | Drawer, Seamless Pipe and Tube |
| 8121-28 | 81216 | Drawer, Wire |
| 7113-12 | 71139 | Dresser, Stone |
| 8112-08 | 81123 | Dresser, Tin Ore |
| 7621-03 | 75311 | Dressmaker |
| 8113-07 | 81134 | Driller |
| 8111-07 | 81112 | Drilling Machine Operator, Quarry |
| 0321-21 | New | Driver |
| 8322-11 | 83224 | Driver, Ambulans |
| 9332-03 | 93323 | Driver, Animal Train |
| 9332-05 | New | Driver, Animal-Drawn Machinery |
| 9332-01 | 93321 | Driver, Animal-Drawn Vehicle |
| 8351-02 | 83501 | Driver, Boat |
| 9332-02 | 93322 | Driver, Bullock-Cart |
| 8331-01 | 83311 | Driver, Bus |
| 8322-10 | 83226 | Driver, Car |
| 8332-09 | New | Driver, Concrete Mixer |
| 8342-05 | 83424 | Driver, Ditch Backhoe |
| 8332-04 | 83323 | Driver, Dump Truck |
| 8311-09 | 83114 | Driver, Engine |
| 8341-02 | 83411 | Driver, Farm Tractor |
| 8332-03 | 83322 | Driver, Fire-Engine |
| 8322-01 | 83228 | Driver, Grade R3 |
| 8332-08 | 83328 | Driver, Log |
| 8332-01 | 83321 | Driver, Lorry |
| 8321-04 | 83214 | Driver, Motorised Tricycle |
| 8322-06 | 83222 | Driver, Office Manager |
| 8322-09 | 83226 | Driver, Personal |
| 8321-03 | 83213 | Driver, Rickshaw |
| 8332-06 | 83325 | Driver, Tanker |
| 8322-04 | 83221 | Driver, Taxi |
| 8341-03 | 83412 | Driver, Timber Carrier |
| 8332-07 | 83326 | Driver, Tow Truck |
| 8331-02 | 83312 | Driver, Tram |
| 8332-05 | 83324 | Driver, Truck |
| 8322-07 | 83223 | Driver, Van |
| 8341-04 | 83413 | Driver, Winch Truck |
| 8343-01 | 83116 | Driver/ Operator, Crane, Grade R3 |
| 8311-10 | 83114 | Driver's Assistant, Locomotive |
| 5165-01 | 51651 | Driving Instructor |
| 7312-05 | 73123 | Drum Maker |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 8131-09 | 81312 | Dry Operator, Chemical Processes |
| 9121-03 | 91213 | Dry-Cleaner |
| 3521-07 | 35212 | Dubbing Mixer |
| 9311-04 | 93111 | Dulang Washer |
| 9611-05 | New | Dustman/woman |
| 1323-07 | 13234 | Duty Manager |
| E | | |
| 2212-01 | 22121 | Ear, Nose and Throat Specialist |
| 2342-04 | New | Early Childhood Educator |
| 7231-04 | 72311 | Earth-Moving Equipment Mechanic |
| 2131-52 | 21315 | Ecologist |
| 2131-53 | 21315 | Ecologist, Animal |
| 2131-54 | 21315 | Ecologist, Plant |
| 2131-55 | 21315 | Ecologist, Social |
| 3212-05 | 32121 | Ecology Technician |
| 2412-07 | 24122 | E-Commerce Adviser |
| 2821-05 | 26311 | Econometrician |
| 4419-01 | 43125 | Economic Affairs Assistant, Grade E17 |
| 2821-01 | 26312 | Economic Affairs Officer, Grade E41 |
| 2821-08 | New | Economics Adviser |
| 2821-09 | New | Economics Analyst |
| 2821-06 | 26311 | Economist |
| 2821-07 | 26311 | Economist, Econometrics |
| 2831-18 | 26415 | Editor |
| 1615-01 | 13451 | Education Manager |
| 2391-02 | New | Education Method Specialist |
| 2399-05 | 23994 | Educational Counsellor |
| 2391-09 | 23992 | Educational Method Adviser |
| 2824-07 | New | Educational Psychologist |
| 2391-04 | 23991 | Educational System Evaluator |
| 2391-08 | 23991 | Educational System Researcher |
| 3719-08 | 33596 | Electoral Officer |
| 7413-08 | 74133 | Electric Cable Jinter |
| 3131-01 | 31311 | Electric Power Load Dispatcher |
| 3131-07 | New | Electric Power Plant Operator |
| 2151-14 | 21513 | Electric Power Transmission Engineer |
| 3113-08 | 31131 | Electrical and Instrument Supervisor |
| 3113-10 | 31133 | Electrical Electric Power Transmission Engineering Technician |
| 2151-04 | 21511 | Electrical Engineer |
| 2151-10 | 21513 | Electrical Engineer, Electric Power Distribution |
| 2151-07 | 21512 | Electrical Engineer, Electric Power Generation |
| 2151-11 | 21513 | Electrical Engineer, Electric Power Transmission |
| 2151-12 | 21513 | Electrical Engineer, Electric Traction |
| 2151-16 | 21515 | Electrical Engineer, Electromechanical Equipment |
| 2151-08 | 21512 | Electrical Engineer, High Voltage |
| 3113-05 | 31131 | Electrical Engineering Assistant |
| 3113-11 | 31134 | Electrical Engineering Estimator |
| 3113-02 | 31131 | Electrical Engineering Technician |
| 2151-03 | 21511 | Electrical Engineering Technologist |
| 7412-05 | 74121 | Electrical Fitter |
| 7412-06 | 74121 | Electrical Fitter, Lift |
| 7412-21 | New | Electrical Generator Fitter |
| 7412-11 | 74129 | Electrical Generator Operator |
| 3113-09 | 31132 | Electrical High Voltage System Engineering Assistant |
| 2151-15 | 21514 | Electrical Illuminating Engineer |
| 7412-20 | New | Electrical Mechanic |
| 7412-13 | 74129 | Electrical Motor and Dynamo Fitter |
| 7412-12 | 74129 | Electrical Office Machinery Fitter |
| 7413-06 | 74131 | Electrical Power Line Installer |
| 7412-08 | 74128 | Electrical Repairman, Household Appliance |
| 3113-07 | 31131 | Electrical Supervisor |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 3131-02 | 31312 | Electrical Switchboard Operator |
| 2151-05 | 21511 | Electrical Systems Engineer |
| 3113-06 | 31131 | Electrical Technical Assistant |
| 0321-06 | New | Electrical Technician |
| 2151-06 | 21511 | Electrical Testing Engineer |
| 7411-04 | New | Electrician |
| 7412-17 | 74126 | Electrician, Aircraft |
| 7411-02 | 74111 | Electrician, Building |
| 7411-03 | 74112 | Electrician, Construction |
| 7413-12 | 74123 | Electrician, Maintenance |
| 7412-15 | 74124 | Electrician, Ship |
| 7412-18 | 74127 | Electrician, Stage and Studio |
| 7412-16 | 74125 | Electrician, Vehicle |
| 1622-11 | 13493 | Electricity, Water and Sanitation Manager |
| 3256-09 | 32562 | Electrocardiograph Equipment Technician |
| 2151-20 | New | Electrode Cylindrical Engineer |
| 2151-21 | New | Electrode Polymer Engineer |
| 3256-10 | 32563 | Electroencephalograph Equipment Technician |
| 2151-24 | New | Electrolyte Engineer |
| 3511-09 | 35111 | Electronic Data Processing (EDP) Technician |
| 2511-02 | 25111 | Electronic Data Processing Analyst |
| 3511-12 | 35111 | Electronic Data Processing Supervisor |
| 2152-03 | 21521 | Electronic Engineering Technologist |
| 7422-11 | 74215 | Electronic Fitter, Computer |
| 7422-10 | 74212 | Electronic Fitter, Radar Equipment |
| 7422-08 | 74212 | Electronic Fitter, Radio Television Equipment |
| 7422-09 | 74212 | Electronic Fitter, Video Equipment |
| 4132-07 | 41321 | Electronic Mail Data Entry Clerk |
| 7321-09 | New | Electronic Pre-Press Technician |
| 2152-04 | 21521 | Electronics Engineer |
| 2152-20 | 21526 | Electronics Engineer, Instrumentation |
| 2152-18 | 21525 | Electronics Engineer, Semiconductors |
| 2152-08 | 21523 | Electronics Engineer, Computer Hardware Design |
| 2152-07 | 21523 | Electronics Engineer, Information Engineering |
| 3114-05 | 31141 | Electronics Engineering Assistant |
| 3114-04 | 31142 | Electronics Engineering Estimator |
| 3114-02 | 31141 | Electronics Engineering Technician |
| 8122-02 | 81221 | Electroplater |
| 3255-02 | 32551 | Electrotherapist |
| 7316-07 | 73163 | Electrotyper |
| 4229-02 | 42292 | Eligibility Interviewer |
| 4229-03 | 42293 | Eligibility Specialist |
| 5163-03 | 51632 | Embalmer |
| 2152-32 | New | Embedded System Board Designer |
| 7621-12 | 75316 | Embroiderer, Hand |
| 3258-04 | New | Emergency Medical Technician |
| 3258-05 | New | Emergency Paramedic |
| 3333-01 | 33331 | Employment Agent |
| 2423-07 | 24233 | Employment Counsellor |
| 8131-38 | 81314 | Enameller, Chemical |
| 7316-05 | 73162 | Enameller, Glass |
| 2134-09 | 21344 | Endocrinologist |
| 2261-18 | New | Endodontist |
| 3714-01 | 54154 | Enforcement Assistant, Grade N17 |
| 2914-01 | 24494 | Enforcement Officer, Grade N41 |
| 8311-01 | 83115 | Engine Driver (Bukit Bendera Train), Grade R9 |
| 8311-08 | 83113 | Engine Driver, Mine |
| 2144-13 | 21445 | Engine Engineer |
| 7231-18 | New | Engine Fitter (Motor Vehicle) |
| 8351-19 | New | Engine Oiler |
| 0321-07 | New | Engine Technician |
| 2142-10 | New | Engineer |
| 2145-01 | SPA | Engineer (Chemical), GradeJ41 |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 2142-01 | 21424 | Engineer (Civil), Grade J41 |
| 2151-01 | 21516 | Engineer (Electrical), Grade J41 |
| 2152-01 | 21527 | Engineer (Electronics), Grade J41 |
| 2144-01 | 21446 | Engineer (Mechanical), Grade J41 |
| 2131-32 | 21316 | Engineer, Genetics |
| 2142-03 | New | Engineer, Grade J41 |
| 3119-18 | 31191 | Engineering Assistant, Production |
| 0311-03 | New | Engineering Branch Officer |
| 3511-10 | 35111 | Engineering Computer Assistant |
| 3112-12 | 31191 | Engineering Designer |
| 3118-25 | 31189 | Engineering Illustrator |
| 3322-07 | 33225 | Engineering Sales Agent |
| 2149-15 | 21495 | Engineering Store Executive |
| 3119-22 | New | Engineering Technician (Production) |
| 3522-02 | 35222 | Engineering Technician (Telecommunications) |
| 3119-11 | 31191 | Engineering Technician, Industrial |
| 3119-17 | 31191 | Engineering Technician, Industrial Layout |
| 3119-15 | 31191 | Engineering Technician, Planning |
| 3119-14 | 31191 | Engineering Technician, Production |
| 3119-12 | 31191 | Engineering Technician, Safety |
| 3119-16 | 31191 | Engineering Technician, Systems |
| 3119-10 | 31191 | Engineering Technician, Time and Motion Study |
| 3119-13 | 31191 | Engineering Technician, Value |
| 3119-09 | 31191 | Engineering Technician, Work Study |
| 7316-02 | 73161 | Engraver |
| 7324-03 | 73243 | Engraver, Printing Lithographic Stone |
| 7324-01 | 73241 | Engraver, Printing Metal Plate |
| 4225-05 | 42253 | Enquiry Clerk |
| 3221-03 | New | Enrolled Nurse |
| 1121-08 | 11201 | Enterprise Chairman |
| 1121-07 | 11201 | Enterprise Director |
| 2511-20 | New | Enterprise Resource Planning (ERP) Programmer Analyst (ABAP) |
| 2511-47 | New | Enterprise Resource Planning (ERP) Technical Specialist (IT) |
| 2511-46 | New | Enterprise Systems Specialist (IT) |
| 3141-18 | 31412 | Entomological Assistant |
| 3141-02 | 31412 | Entomological Technician |
| 2131-51 | 21314 | Entomologist |
| 2133-21 | New | Environmental Adviser |
| 2143-05 | New | Environmental Analyst |
| 2133-22 | New | Environmental Auditor |
| 2133-23 | New | Environmental Consultant |
| 2133-01 | 21338 | Environmental Control Officer, Grade C41 |
| 2143-01 | 21431 | Environmental Engineer |
| 2263-07 | New | Environmental Health Enforcement Officer |
| 3257-24 | New | Environmental Health Inspector |
| 2263-09 | New | Environmental Health Officer |
| 1621-06 | 14313 | Environmental Manager |
| 2263-10 | New | Environmental Officer |
| 2143-04 | New | Environmental Remediation Specialist |
| 2133-18 | 21336 | Environmental Research Scientist |
| 3257-23 | New | Environmental Safety and Health Technician |
| 2263-08 | New | Environmental Safety and Health Technologist |
| 2133-24 | New | Environmental Scientist |
| 3129-02 | 31291 | Environmental Supervisor |
| 1622-12 | 13493 | Environmental Systems Manager |
| 2134-32 | 21348 | Epidemiologist |
| 8189-03 | 81891 | Equipment and Machine Operator |
| 7119-09 | New | Erector |
| 7119-06 | 71195 | Erector, Billboard |
| 7214-02 | 72142 | Erector, Constructional Steel |
| 7214-07 | 72147 | Erector, Structural Metal |
| 9511-02 | New | Errand Boy |
| 2831-05 | 26412 | Essayist |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 3334-05 | New | Estate Agent |
| 1311-09 | New | Estate Manager |
| 2412-11 | 33341 | Estate Planner |
| 4311-23 | 43117 | Estimating Clerk |
| 7316-01 | 73161 | Etcher |
| 7324-02 | 73242 | Etcher, Printing Metal Plate |
| 2822-09 | 26326 | Ethnologist |
| 2421-01 | 24214 | Evaluation Officer, Grade W41 |
| 8131-28 | 81314 | Evaporator Operator |
| 7515-14 | New | Examiner, Paddy |
| 8342-15 | 83429 | Excavator Operator |
| 3712-03 | New | Excise Assistant |
| 2912-05 | New | Excise Officer |
| 3719-12 | | Executioner |
| 3322-18 | 33227 | Executive Analyst, Market Research |
| 4111-06 | MIDA | Executive Assistant (Administration and Support), Grade 3 |
| 4111-08 | SPAD | Executive Assistant (Clerical), Grade L11 |
| 4111-07 | MIDA | Executive Assistant (Engineering), Grade 3 |
| 4312-02 | MIDA | Executive Assistant (Finance), Grade 3 |
| 4311-02 | MIDA | Executive Assistant (Accounting), Grade 3 |
| 3313-04 | MIDA | Executive Assistant (Audit), Grade 3 |
| 4419-05 | MIDA | Executive Assistant (Economics), Grade 3 |
| 3511-04 | MIDA | Executive Assistant (Information Technology), Grade 3 |
| 4411-02 | MIDA | Executive Assistant (Library), Grade 3 |
| 4121-05 | MIDA | Executive Assistant (Secretarial), Grade 3 |
| 3714-02 | SPAD | Executive Assistant, Grade L11 |
| 3641-03 | 34342 | Executive Chef |
| 1121-03 | New | Executive Director |
| 0211-01 | New | Executive Officer |
| 2411-02 | 24115 | Executive Officer (Accounting), Grade 41 |
| 2411-05 | MIDA | Executive Officer (Accounting), Grade 9 |
| 2411-07 | SPAD | Executive Officer (Accounting), Grade L5 |
| 2425-02 | 24259 | Executive Officer (Administration), Grade 41 |
| 2425-03 | SPAD | Executive Officer (Administration), Grade L5 |
| 2912-01 | 24217 | Executive Officer (Appraisal), Grade 41 |
| 2411-31 | 24118 | Executive Officer (Audit), Grade 41 |
| 2411-39 | MIDA | Executive Officer (Audit), Grade 9 |
| 2411-40 | SPAD | Executive Officer (Audit), Grade L5 |
| 2149-03 | 21652 | Executive Officer (Building Surveyor), Grade 41 |
| 2821-03 | MIDA | Executive Officer (Economics), Grade 9 |
| 2914-03 | SPAD | Executive Officer (Enforcement), Grade L5 |
| 2142-02 | 21423 | Executive Officer (Engineering), Grade 41 |
| 2142-07 | MIDA | Executive Officer (Engineering), Grade L5 |
| 2412-03 | SPAD | Executive Officer (Finance), Grade L5 |
| 2522-02 | 25224 | Executive Officer (Information Technology), Grade 41 |
| 2522-05 | MIDA | Executive Officer (Information Technology), Grade 9 |
| 2522-07 | SPAD | Executive Officer (Information Technology), Grade L5 |
| 2611-08 | 26119 | Executive Officer (Legal), Grade 41 |
| 2611-13 | MIDA | Executive Officer (Legal), Grade 9 |
| 2611-15 | SPAD | Executive Officer (Legal), Grade L5 |
| 2812-02 | 26224 | Executive Officer (Library), Grade 41 |
| 2812-05 | MIDA | Executive Officer (Library), Grade 9 |
| 2824-02 | 26343 | Executive Officer (Psychology), Grade 41 |
| 2919-02 | 24498 | Executive Officer (Security), Grade 41 |
| 3343-10 | 33431 | Executive Secretary |
| 3343-13 | 33431 | Executive Secretary, Administration |
| 3343-11 | 33431 | Executive Secretary, Committee |
| 3343-06 | 33432 | Executive Secretary, Government Administration |
| 3343-12 | 33431 | Executive Secretary, Non-Government Administration |
| 3332-01 | 33321 | Exhibition and Convention Consultant |
| 3332-02 | 33322 | Exhibition and Convention Organiser |
| 3632-15 | 34322 | Exhibition Designer |
| 1211-12 | 12116 | Expenditure Manager |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 2113-34 | New | Exploration Geologist |
| 2149-17 | New | Explosive Ordnance Engineer |
| 7632-03 | 75421 | Explosives Worker |
| 3322-12 | 33221 | Export Executive |
| 1421-08 | 14202 | Export Sales Manager |
| 3117-21 | 31171 | Extractive Metallurgical Assistant |
| 3117-03 | 31171 | Extractive Metallurgical Technician |
| 2146-15 | 21465 | Extractive Technologist |
| 8121-20 | 81215 | Extruder, Metal |
| 2212-03 | 22121 | Eye Specialist |
| F | | |
| 2163-05 | 21632 | Fabric Designer |
| 2142-37 | 21429 | Facilities Engineer |
| 1219-04 | 13493 | Facilities Manager |
| 3129-03 | 31292 | Facilities Supervisor |
| 3341-11 | 33414 | Factory Administrator |
| 3119-06 | 32577 | Factory and Machinery Inspector Assistant, Grade J17 |
| 2149-06 | 22633 | Factory and Machinery Inspector, Grade J41 |
| 9329-10 | New | Factory Hand |
| 1321-03 | 13212 | Factory Manager |
| 5113-05 | 51133 | Factory Tour Guide |
| 3612-06 | 32308 | Faith Healer |
| 2825-09 | New | Family Counsellor |
| 2211-16 | New | Family Medical Practitioner |
| 1614-05 | New | Family Service Manager |
| 3611-22 | New | Family Service Worker |
| 2132-13 | 21321 | Farm Demonstrator |
| 9213-01 | 92131 | Farm Labourer |
| 7233-09 | New | Farm Machinery Repairer |
| 6121-06 | New | Farmer |
| 6131-02 | New | Farmer (Mixed Farming) |
| 6221-12 | New | Farmer, Aquaculture |
| 6111-06 | 61111 | Farmer, Banana |
| 6122-03 | 61221 | Farmer, Bird |
| 6122-02 | 61221 | Farmer, Chicken |
| 6129-07 | 61234 | Farmer, Crocodile |
| 6122-04 | 61221 | Farmer, Duck |
| 6221-02 | 61232 | Farmer, Fishery |
| 6221-01 | New | Farmer, Fishery Livestock |
| 6122-01 | 61221 | Farmer, Goose |
| 6123-06 | 61294 | Farmer, Honey Bee |
| 6123-10 | New | Farmer, Insect |
| 6123-03 | 61291 | Farmer, Leech |
| 6121-05 | 61214 | Farmer, Livestock |
| 6221-07 | 61231 | Farmer, Ornamental Fish |
| 6111-05 | 61111 | Farmer, Papaya |
| 6121-07 | New | Farmer, Pig |
| 6122-06 | New | Farmer, Poultry |
| 6221-09 | 61233 | Farmer, Sea Cucumber |
| 6221-08 | 61232 | Farmer, Shellfish |
| 6123-05 | 61293 | Farmer, Silkworm |
| 6129-06 | New | Farmer, Snake |
| 6221-10 | New | Farmer, Turtle |
| 6123-04 | 61292 | Farmer, Worm |
| 2132-11 | 21321 | Farming Adviser |
| 2163-03 | 21632 | Fashion Designer |
| 5241-01 | 52411 | Fashion Model |
| 9411-02 | New | Fast Food Cook |
| 9411-01 | 94111 | Fast Food Preparer |
| 2611-17 | 26111 | Federal Counsel, Government Service |
| 7322-07 | New | Feeder Operator (Printing) |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 2241-04 | New | Feldscher |
| 7625-03 | 75351 | Fellmonger |
| 2172-10 | 21725 | Ferry Captain |
| 8351-22 | New | Ferry Hand |
| 5112-03 | 51121 | Ferry/ Boat Conductor |
| 2145-11 | 21454 | Fertiliser Engineer |
| 8131-24 | 81314 | Fertiliser Plant Operator |
| 2145-17 | 21457 | Fibre Technologist |
| 2831-13 | 26414 | Fiction Writer |
| 3322-19 | 33227 | Field Consultant |
| 3142-14 | New | Field Crop Technical Officer |
| 4312-05 | 43123 | Field Enumerator |
| 3111-20 | 31117 | Field Laboratory Research Conductor |
| 3257-25 | New | Field Supervisor - Occupational Safety and Health |
| 3341-04 | 33411 | Filling Clerical Supervisor |
| 2844-12 | 26542 | Film and Video Editor |
| 2113-01 | 26545 | Film Lab Officer, Grade C41 |
| 3111-05 | 35216 | Film Laboratory Assistant, Grade C17 |
| 8132-26 | New | Film/Colour Developer |
| 4312-15 | 43127 | Finance Clerk |
| 2412-08 | 24124 | Finance Executive |
| 1211-01 | 12111 | Finance Manager |
| 2412-01 | 24123 | Finance Officer, Grade W41 |
| 2413-01 | 24131 | Financial Analyst |
| 1211-11 | 12115 | Financial and Institution Manager |
| 1616-01 | 13461 | Financial and Insurance Branch Manager |
| 2412-06 | 24121 | Financial and Investment Adviser |
| 3313-08 | New | Financial Assistant |
| 1616-02 | 13462 | Financial Branch Manager |
| 2411-25 | 24132 | Financial Controller |
| 2412-10 | 24133 | Financial Planner |
| 3313-07 | 33133 | Financial Supervisor |
| 2841-04 | 26514 | Fine Art Engraver-Etcher |
| 2352-01 | 23521 | Fine Arts Teacher |
| 4132-01 | 44166 | Fingerprint Examiner, Grade N17 |
| 4321-15 | 43211 | Finished Goods Storekeeper |
| 3122-06 | 31222 | Finished Goods Supervisor |
| 7114-06 | 71144 | Finisher, Cement |
| 7113-15 | New | Finisher, Stone |
| 3122-03 | 31222 | Finishing Supervisor |
| 3719-05 | 33591 | Fire and Safety Inspector |
| 0321-12 | New | Fire Brigade |
| 0311-08 | New | Fire Brigade Branch Officer |
| 5411-02 | 54112 | Fire Fighter |
| 3112-17 | New | Fire Inspector |
| 3119-23 | New | Fire Investigator |
| 5411-01 | 54113 | Fire Officer, Grade KB17 |
| 8182-07 | 81823 | Fire Operator, Railway Engine |
| 8182-04 | 81821 | Fire Operator, Ship |
| 5411-03 | 54114 | Fire Prevention Officer |
| 2919-03 | 24491 | Fire Superintendent, Grade KB41 |
| 7112-03 | 71124 | Firebrick Layer |
| 9624-01 | 96241 | Firewood Collector |
| 5329-01 | New | First-Aid Attendant |
| 2131-39 | 21313 | Fish Culturist |
| 7511-08 | New | Fish Filleter |
| 7511-07 | 75115 | Fish Pickler |
| 7511-06 | 75115 | Fish Salter |
| 3144-01 | 61236 | Fisheries Assistant, Grade G17 |
| 2132-01 | 21323 | Fisheries Officer, Grade G41 |
| 6222-10 | New | Fisherman (Coastal Waters) |
| 6223-02 | New | Fisherman (Deep Sea) |
| 6222-11 | New | Fisherman (Inland Waters) |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 1312-01 | 13121 | Fishery Manager |
| 3144-04 | 31443 | Fishery Technician |
| 6222-09 | New | Fishery Worker |
| 6222-03 | 62222 | Fishery Worker, Coastal |
| 6223-01 | 62231 | Fishery Worker, Deep-Sea |
| 6222-02 | 62221 | Fishery Worker, Inland |
| 6222-01 | 62221 | Fishery Worker, Kelong |
| 1312-04 | New | Fishing Operation Manager |
| 5211-07 | 52116 | Fishmonger |
| 3623-11 | New | Fitness Instructor |
| 7126-12 | New | Fitter |
| 7421-03 | 74216 | Fitter, Electronic Industrial Equipment |
| 7421-04 | 74217 | Fitter, Electronic Meteorological Equipment |
| 7421-01 | 74211 | Fitter, Electronics |
| 8211-18 | 82119 | Fitter, Mechanical |
| 7212-04 | 72123 | Flame Cutter |
| 2166-27 | New | Flash Animator |
| 2166-28 | New | Flash Designer |
| 2166-29 | New | Flash Developer |
| 8161-84 | New | Flavour Mixer |
| 7322-08 | New | Flexographic Press Operator |
| 5111-05 | 51114 | Flight Attendant |
| 5111-09 | New | Flight Crew |
| 2171-07 | 21737 | Flight Engineer |
| 0311-09 | New | Flight Engineer Branch Officer |
| 2173-06 | 21734 | Flight Instructor |
| 2173-05 | 21733 | Flight Navigator |
| 3521-17 | 35216 | Flight Radio Equipment Technician |
| 4323-24 | 43235 | Float Master |
| 3257-26 | New | Flood Damage Inspector |
| 5153-08 | 51513 | Floor Captain |
| 1624-11 | New | Floor Manager (Broadcasting) |
| 5151-10 | 51521 | Floor Steward, Hotel and Lodging |
| 5111-04 | 51113 | Floor Steward/Stewardess |
| 7211-04 | 72111 | Flooring Moulder, Foundry |
| 3142-07 | 31424 | Floriculture Technician |
| 2133-05 | 21333 | Floriculturist |
| 5211-05 | 52115 | Florist |
| 3632-20 | 34326 | Flower Arranger |
| 6113-02 | 61131 | Flower Grower |
| 8131-35 | 81314 | Foam Maker, Chemical |
| 7323-08 | New | Foil Stamp Operator |
| 7323-09 | New | Folder Operator |
| 2712-06 | 27111 | Food and Beverage Administrator |
| 5132-03 | 51323 | Food and Beverage Bartender |
| 2712-07 | 27112 | Food and Beverage Captain |
| 4321-18 | 43212 | Food and Beverage Control Clerk |
| 2712-08 | 27112 | Food and Beverage Coordinator |
| 2712-05 | 27111 | Food and Beverage Executive |
| 2712-04 | 27113 | Food and Beverage Personnel |
| 1411-12 | 14114 | Food and Beverage Service Manager |
| 5131-04 | 51314 | Food and Beverage Supervisor |
| 5131-09 | 51317 | Food and Beverage Worker |
| 5131-07 | 51315 | Food and Beverage Worker, Banquet |
| 5131-08 | 51316 | Food and Beverage Worker, Room Service |
| 2145-15 | 21456 | Food and Drink Technologist |
| 2145-16 | 21456 | Food Chemical Engineer |
| 5246-01 | 52461 | Food Counter Atendant |
| 8161-86 | New | Food Grinder |
| 3257-27 | New | Food Inspector |
| 5121-01 | 51205 | Food Preparation Assistant, Grade N17 |
| 2712-02 | New | Food Preparation Executive |
| 2712-01 | 27116 | Food Preparation Officer, Grade C41 |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---------------------------------------|
| 2265-11 | 22653 | Food Processing Consultant |
| 8161-85 | New | Food Processing Operator |
| 3139-01 | 31391 | Food Processing Technician |
| 3257-44 | New | Food Sanitation and Safety Inspector |
| 2265-13 | New | Food Serving Dietician |
| 2113-02 | 21455 | Food Technology Officer, Grade C41 |
| 3621-04 | New | Footballer |
| 3311-03 | 33113 | Foreign Exchange Broker |
| 3311-06 | New | Foreign Exchange Dealer |
| 8211-03 | New | Foreman |
| 7412-09 | 74129 | Foreman, Electrical |
| 7412-10 | 74129 | Foreman, Maintenance |
| 8211-17 | 82119 | Foreman, Mechanical |
| 7212-05 | 72122 | Foreman, Welder |
| 3119-21 | New | Forensic Science Technician |
| 5411-04 | New | Forest Fire Fighter |
| 6211-01 | 62115 | Forest Guard, Grade G11 |
| 3143-01 | 62114 | Forest Ranger, Grade G17 |
| 6211-18 | 62113 | Forester |
| 2132-16 | 21322 | Forestry Adviser |
| 2132-15 | 21322 | Forestry Conservator |
| 3719-11 | New | Forestry Inspector |
| 1311-02 | 13111 | Forestry Manager |
| 2132-14 | 21322 | Forestry Officer |
| 2133-12 | 21334 | Forestry Scientist |
| 3143-04 | 31431 | Forestry Technician |
| 7634-05 | 75442 | Forging Worker, Ant |
| 7634-03 | 75442 | Forging Worker, Bee |
| 7634-04 | 75442 | Forging Worker, Mosquito |
| 8344-04 | New | Forklift Truck Driver |
| 9312-04 | 96294 | Formwork Construction Worker |
| 5161-03 | 51613 | Fortune-Teller |
| 3331-02 | 33311 | Forwarding Agent |
| 3117-08 | 31172 | Foundry Metallurgy Technician |
| 7115-15 | New | Framer, Wood |
| 9511-07 | New | Free Newspaper Distributor |
| 2145-24 | New | Freeze Dried Technologist |
| 4321-31 | 43217 | Freight Clerk |
| 4321-34 | 43217 | Freight Despatching Clerk |
| 4321-32 | 43217 | Freight Inward Clerk |
| 4321-35 | 43217 | Freight Receiving Clerk |
| 4321-33 | 43217 | Freight Routing Clerk |
| 4321-36 | 43217 | Freight Traffic Clerk |
| 9333-01 | New | Freight Worker |
| 2711-06 | 14113 | Front Desk Executive |
| 1411-10 | 14113 | Front Desk Manager |
| 4224-06 | 42266 | Front Office Assistant |
| 1411-11 | 14113 | Front Office Manager |
| 2432-19 | 42266 | Front Office Officer |
| 4224-08 | 42266 | Front Office Personnel |
| 4224-05 | 42265 | Front Office Receptionist |
| 4224-07 | 42266 | Front Office Supervisor |
| 7514-03 | 75143 | Fruit Juice Maker |
| 9211-13 | New | Fruit Picker |
| 7514-01 | 75141 | Fruit Preserver |
| 3117-17 | New | Fuel Pump Technician |
| 2145-07 | 21452 | Fuel Technologist |
| 7634-06 | 75443 | Fumigation Operator, Service |
| 7634-08 | 75443 | Fumigation Operator, Soil |
| 7634-07 | 75443 | Fumigation Operator, Weed |
| 7634-02 | New | Fumigator |
| 1211-09 | 12113 | Fund Manager |
| 6129-04 | New | Fur Farmer (Non-Domesticated Animals) |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 6224-03 | New | Fur Trapper |
| 8121-01 | New | Furnace Operator |
| 8121-08 | 81213 | Furnace Operator, Metal Case-Hardening |
| 8121-09 | 81213 | Furnace Operator, Metal Hardening |
| 8121-12 | 81213 | Furnace Operator, Metal Heat-Treating |
| 8121-05 | 81213 | Furnace Operator, Metal Melting |
| 8121-06 | 81213 | Furnace Operator, Metal Melting (Blast-Furnace) |
| 8121-07 | 81213 | Furnace Operator, Metal Reheating |
| 8121-10 | 81213 | Furnace Operator, Non-Ferrous Metal Refining |
| 8121-03 | 81211 | Furnace Operator, Steel Converting |
| 8121-02 | 81211 | Furnace Operator, Steel Refining |
| 8181-07 | 81842 | Furnace-Operator, Annealing Glass |
| 8181-06 | New | Furnace-Operator, Glass |
| 8181-03 | 81841 | Furnace-Operator, Glass Production |
| 8181-13 | 81845 | Furnace-Operator, Glass Tempering |
| 3632-03 | 34324 | Furniture Designer |
| 8219-08 | New | Furniture Finisher, wood |
| 9333-11 | 93339 | Furniture Mover |
| 7613-05 | New | Furniture Production Machine Operator |
| 2141-29 | New | Furniture Upholstery Technologist |
| 7621-29 | New | Furrier |
| G | | |
| 3633-05 | New | Gallery Technician |
| 8122-06 | 81223 | Galvaniser |
| 5419-03 | 54191 | Game Warden |
| 1621-12 | 14313 | Gaming Manager |
| 7231-08 | 72312 | Garage Mechanic |
| 1622-04 | 13493 | Garbage Disposal System Manager |
| 6113-01 | 92141 | Gardener |
| 2163-06 | 21632 | Garment Designer |
| 3132-03 | 31322 | Gas Compressor Operator |
| 2146-19 | 21452 | Gas Engineer |
| 3134-13 | 31349 | Gas Liquefaction Plant Operator |
| 3134-06 | 31344 | Gas Plant Operator |
| 7212-07 | 72127 | Gas Tungsten Arc Welder |
| 2144-25 | 21445 | Gas Turbine Engineer |
| 8312-07 | 83126 | Gateman, Railway |
| 6341-10 | New | Gatherer, Coconut Sap |
| 6341-11 | New | Gatherer, Honey |
| 6341-05 | 63406 | Gatherer, Seaweed |
| 6341-03 | 63404 | Gatherer, Shellfish |
| 6341-06 | 63407 | Gatherer, Wild Fruit, Herbs and Vegetables |
| 7313-11 | 73137 | Gem Polisher |
| 7313-08 | 73134 | Gem Setter |
| 7313-07 | 73133 | Gem Slicer |
| 2823-05 | New | Genealogist |
| 9622-05 | 96299 | General Worker |
| 4111-19 | New | General Administrative Assistant |
| 1222-02 | 12222 | General Affairs Manager |
| 9621-03 | 96218 | General Assistant (Notice Boy), Grade 1 |
| 5414-04 | 96293 | General Assistant (Security Guard), Grade 1 |
| 5414-05 | MIDA | General Assistant (Security), Grade 1 |
| 9621-05 | MIDA | General Assistant (Support), Grade 1 |
| 4223-07 | New | General Assistant (Telephone Operator) |
| 9621-06 | SPAD | General Assistant, Grade L3 |
| 8132-01 | New | General Assistant, Photography |
| 0311-01 | New | General Duty Pilot Branch Officer |
| 4132-05 | New | General Information Technology Assistant (Data Processing Machine Operator) |
| 3312-06 | 33122 | General Ledger Officer |
| 1121-21 | New | General Manager |
| 2211-17 | New | General Medical Practitioner |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 9621-01 | 96217 | General Office Assistant, Grade N1 |
| 4111-09 | 41101 | General Office Clerk |
| 0121-07 | New | General Services Corps Officer |
| 4131-09 | New | General Typing Assistant |
| 8322-02 | 83227 | General Worker (Driver), Grade 1 |
| 8322-03 | MIDA | General Worker (Driver), Grade 1 |
| 9622-03 | 96299 | General Worker (General Services), Grade 1 |
| 9622-01 | 96291 | General Worker, Grade R1 |
| 3131-12 | New | Generating Station Operator |
| 2131-28 | 21316 | Geneticist |
| 2131-30 | 21313 | Geneticist, Animal |
| 2131-29 | 21312 | Geneticist, Plant |
| 3212-06 | 32121 | Genetics Technician |
| 2114-03 | 21138 | Geochemical Officer, Grade C41 |
| 2113-31 | New | Geochemist |
| 2165-13 | 21658 | Geodesic Surveyor |
| 2114-21 | 21146 | Geodesist |
| 2822-06 | 26324 | Geographer |
| 2113-33 | New | Geological 2D/3D Reservoir Modeller |
| 3111-02 | 31177 | Geological Assistant, Grade C17 |
| 3111-19 | 31116 | Geological Laboratory Assistant |
| 2114-20 | 21145 | Geological Oceanographer |
| 3111-18 | 31116 | Geological Technician |
| 2114-07 | 21141 | Geologist |
| 2114-08 | 21142 | Geologist, Engineering |
| 2114-16 | 21145 | Geologist, Marine |
| 2114-30 | 21149 | Geologist, Micropalaeontology |
| 2114-09 | 21143 | Geologist, Mining |
| 2114-17 | 21145 | Geologist, Oceanography |
| 2114-11 | 21144 | Geologist, Oil |
| 2114-31 | 21149 | Geologist, Palaeontology |
| 2114-12 | 21144 | Geologist, Petroleum |
| 2114-13 | 21144 | Geologist, Petrology |
| 2114-32 | 21149 | Geologist, Stratigraphy |
| 2114-01 | 21148 | Geology Officer (Geophysics/ Geology), Grade C41 |
| 2114-25 | 21146 | Geomagnetician |
| 2114-26 | 21146 | Geomorphologist |
| 2114-19 | 21145 | Geophysical Oceanographer |
| 2114-06 | 21141 | Geophysicist |
| 2114-22 | 21146 | Geophysicist, Geomagnetic |
| 2114-23 | 21146 | Geophysicist, Geomorphology |
| 2114-27 | 21147 | Geophysicist, Hydrology |
| 2114-15 | 21145 | Geophysicist, Oceanography |
| 2114-24 | 21146 | Geophysicist, Seismology |
| 3111-07 | 31111 | Geophysics Technician |
| 2165-01 | 21654 | Geospatialist, Grade J41 |
| 2142-39 | New | Geotechnical Engineer |
| 3112-16 | New | Geotechnical Technician |
| 2264-11 | New | Geriatric Physical Therapist |
| 7315-02 | 73151 | Glass Bender |
| 7315-03 | 73151 | Glass Blower |
| 7315-01 | 73152 | Glass Blower, Grade N17 |
| 7315-04 | 73153 | Glass Cutter |
| 7315-09 | 73158 | Glass Finisher |
| 7315-10 | 73159 | Glass Frame Fabricator |
| 7315-07 | 73156 | Glass Grinder |
| 7315-08 | 73157 | Glass Lens Moulder |
| 7315-06 | 73155 | Glass Polisher |
| 2141-17 | 21416 | Glass Technologist |
| 7125-01 | New | Glazier |
| 7125-02 | 71251 | Glazier, Building |
| 7125-04 | 71253 | Glazier, Leaded-Glass |
| 7125-05 | 71254 | Glazier, Patent Roofing |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 7125-06 | 71255 | Glazier, Plate-Glass |
| 7125-07 | New | Glazier, Roofing |
| 7125-03 | 71252 | Glazier, Vehicle |
| 7313-06 | 73132 | Gold Grader |
| 7313-13 | New | Gold Rolling Mill Worker |
| 7313-02 | 73131 | Goldsmith |
| 3621-09 | New | Golfer |
| 9621-16 | 83506 | Goods Carrier |
| 3716-04 | 33562 | Government Administration Inspector |
| 2425-13 | New | Government Administrative Executive |
| 2425-12 | 33434 | Government Executive Officer |
| 1112-11 | New | Governor |
| 7515-13 | 75159 | Grader , Paddy |
| 7515-10 | 75156 | Grader, Vegetable |
| 7515-19 | 75159 | Grader, Bird's Nest |
| 7515-18 | 75159 | Grader, Egg |
| 7633-01 | 75431 | Grader, Fibre |
| 7515-16 | 75159 | Grader, Fish |
| 7515-03 | New | Grader, Food |
| 7515-09 | 75156 | Grader, Fruit |
| 6211-10 | 62111 | Grader, Log |
| 7515-08 | 75155 | Grader, Meat |
| 7515-12 | 75158 | Grader, Oil |
| 6111-17 | 31425 | Grader, Oil Palm |
| 7515-17 | 75159 | Grader, Oil Palm |
| 7113-06 | 71133 | Grader, Stone |
| 7516-01 | 75161 | Grader, Tobacco |
| 7611-05 | 75214 | Grader, Veneer |
| 7611-04 | 75213 | Grader, Wood |
| 4321-39 | 43218 | Grading Clerk |
| 2331-01 | 23303 | Graduate Education Service Officer, Grade DG41 |
| 2331-03 | 23301 | Graduate Teacher Officer |
| 2166-07 | 34321 | Graphic Artist |
| 2166-04 | 21665 | Graphic Designer |
| 2166-15 | New | Graphics Creator |
| 2166-21 | New | Graphics Illustrator |
| 9214-01 | 92142 | Grass Cutter |
| 5163-06 | 93133 | Grave Digger |
| 7322-09 | New | Gravure Press Operator |
| 8161-27 | 81603 | Grinder, Feed |
| 7113-08 | 71136 | Grinder, Stone |
| 5221-02 | New | Grocer |
| 2411-17 | 24116 | Group Accountant |
| 2166-16 | New | Group Lead Graphic Artist |
| 3622-21 | 34229 | Group Training Instructor & Coordinator |
| 6111-07 | 61111 | Grower, Abaca |
| 6112-07 | 61125 | Grower, Cluster Fruit |
| 6112-02 | 61122 | Grower, Coco |
| 6111-03 | 61117 | Grower, Coconut |
| 6112-05 | 61124 | Grower, Coffee |
| 6111-08 | 61111 | Grower, Dragon Fruit |
| 6111-01 | New | Grower, Field Crop |
| 6112-06 | 61125 | Grower, Grape |
| 6111-10 | 61112 | Grower, Intercropping |
| 6111-04 | 61117 | Grower, Oil Palm |
| 6111-11 | 61114 | Grower, Paddy |
| 6111-09 | 61111 | Grower, Pineapple |
| 6112-04 | 61123 | Grower, Pomegranate |
| 6111-02 | 61116 | Grower, Rubber |
| 6112-01 | 61121 | Grower, Shrub Trees |
| 6112-03 | 61122 | Grower, Tea |
| 6111-20 | New | Grower, Tobacco |
| 5414-10 | 54145 | Guard |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 5414-06 | 54141 | Guard, Gambling Activities |
| 5414-08 | 54141 | Guard, Industrial Warehouse Department |
| 5414-09 | 54141 | Guard, Private Security |
| 5169-04 | New | Guest Relations Officer |
| 4224-09 | 42267 | Guest Service Agent |
| 2711-05 | New | Guest Service Executive |
| 2711-01 | 27114 | Guest Service Officer |
| 2711-03 | 27112 | Guest, Food and Beverage Service Executive |
| 1411-08 | 14111 | Guest-House Manager |
| 3135-02 | 31351 | Guide Setter, Metal |
| 7222-09 | 72226 | Gunsmith |
| 2212-12 | 22127 | Gynaecologist |
| H | | |
| 3212-07 | 32121 | Haematology Technician |
| 5141-05 | New | Hair Care Specialist |
| 5141-04 | 51413 | Hair Stylist |
| 5141-02 | 51411 | Hairdresser |
| 7221-03 | 72212 | Hammersmith |
| 9412-02 | 91123 | Hand Dish Washer |
| 9329-06 | 93299 | Hand Mixer |
| 7318-04 | New | Handicraft Worker, Carpets |
| 7318-05 | New | Handicraft Worker, Leather |
| 7317-06 | 73172 | Handicraft Worker, Reed Weaving |
| 7317-07 | 73172 | Handicraft Worker, Stone Articles |
| 7318-06 | New | Handicraft Worker, Textile |
| 7317-03 | 73173 | Handicraft Worker, Wooden Articles |
| 9333-05 | 93332 | Handler, Cargo Freight Product |
| 9333-10 | 93337 | Handler, Material |
| 2619-10 | 26198 | Handwriting Expert |
| 9313-06 | 93136 | Handyman, Building Construction |
| 9622-06 | 96222 | Handyperson |
| 1121-10 | 11201 | Harbour Manager |
| 2172-07 | 21723 | Harbour Master |
| 2152-33 | New | Hardware Board Design Engineer |
| 3511-21 | New | Hardware Technician |
| 3144-05 | 31442 | Hatchery Assistant |
| 3144-03 | 31442 | Hatchery Supervisor |
| 3144-02 | 31442 | Hatchery Technician |
| 6123-09 | 61299 | Hatchery Worker |
| 9521-03 | New | Hawker |
| 5212-01 | 52121 | Hawker (Food) |
| 3257-28 | New | Hazardous Waste Inspector |
| 2263-04 | New | Hazardous Waste Management Technologist |
| 1615-08 | 13452 | Head of Faculty |
| 1112-17 | 11121 | Head of Government Department |
| 1615-04 | 13452 | Head Teacher |
| 1113-01 | 11135 | Headman, Grade NP27 |
| 5321-01 | JPA | Health Assistant, Grade U3 |
| 9625-01 | 53218 | Health Assistant, Grade U3 |
| 1612-11 | 22655 | Health Educator |
| 3252-05 | New | Health Information Clerk |
| 3257-45 | New | Health Inspector |
| 1612-03 | 13422 | Health Manager |
| 2211-19 | 22655 | Health Officer |
| 3257-29 | New | Health Standards Inspector |
| 2264-10 | New | Health Therapist |
| 2212-02 | 22121 | Heart Specialist |
| 3132-06 | 31325 | Heating and Ventilation Equipment Operator |
| 2144-11 | 21444 | Heating Ventilation Air-Conditioning and Refrigeration Engineer |
| 8131-08 | 81312 | Heat-Treating Plant Operator, Chemical Processes |
| 8189-04 | 81892 | Heavy Machinery Operator |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 4214-07 | 42145 | Heavy Vehicle Rental Clerk |
| 7232-04 | New | Helicopter Mechanic |
| 3151-11 | New | Helicopter Technician |
| 8351-01 | 83501 | Helmsman |
| 5121-08 | 51201 | Helper, Barbecue |
| 9111-04 | 91111 | Helper, Domestic |
| 9111-05 | 91111 | Helper, Housekeeper |
| 2231-07 | New | Herbal Medicine Practitioner |
| 3231-08 | New | Herbalist |
| 3141-15 | New | Herbarium Technician |
| 3142-15 | New | Herd Tester |
| 2131-33 | 21313 | Herpetologist |
| 6211-06 | 62111 | High Climber, Logging |
| 1112-29 | 11123 | High Commissioner of Government |
| 3113-04 | 31132 | High Voltage Electrical Engineering Technician |
| 7412-04 | 74121 | High Voltage Restriction Chageman |
| 2311-09 | 23414 | Higher Learning Education Officer, Grade DH29 |
| 2311-08 | 23305 | Higher Learning Education Officer, Grade DH41 |
| 2311-06 | 23304 | Higher Learning Education Service Officer, Grade DG41 |
| 3511-19 | New | High-Speed Computer Printer Operator |
| 5419-13 | New | Highway Patrol |
| 2131-07 | 21316 | Histologist |
| 2131-08 | 21312 | Histologist, Plant |
| 3212-08 | 32121 | Histology Technician |
| 2134-20 | 21347 | Histopathologist |
| 2823-03 | 26332 | Historian |
| 3621-05 | New | Hockey Player |
| 9313-01 | 93131 | Hod Carrier |
| 5321-05 | 53211 | Home Care Assistant |
| 2821-11 | 26355 | Home Economist |
| 2231-04 | 32306 | Homeopath |
| 3132-11 | 31329 | Hopper Operator |
| 3623-05 | 34237 | Horse Riding Instructor |
| 2848-04 | 26584 | Horse Trainer |
| 3142-16 | New | Horticultural Technical Officer |
| 1311-04 | New | Horticulture Manager |
| 3142-08 | 31424 | Horticulture Technician |
| 6113-03 | 61131 | Horticulturist |
| 2133-06 | 21333 | Horticulturist |
| 1612-04 | 13422 | Hospital Administrator |
| 3341-03 | 33411 | Hospital Admission Clerical Supervisor |
| 4229-01 | 42291 | Hospital Admissions Clerk |
| 5321-07 | 53214 | Hospital Aide |
| 3256-03 | 32531 | Hospital Assistant |
| 2265-03 | 22651 | Hospital Dietician |
| 2262-06 | 22624 | Hospital Pharmacist |
| 3344-03 | New | Hospital Ward Secretary |
| 1411-03 | 14111 | Hostel Manager |
| 1411-02 | 14391 | Hostel Manager, Grade N41 |
| 5153-01 | 51532 | Hostel Supervisor, Grade N17 |
| 8122-04 | 81222 | Hot-Dip Plater |
| 5151-01 | 51511 | Hotel and Lodging Banquet Supervisor |
| 5151-02 | 51511 | Hotel and Lodging Floor Supervisor |
| 3257-30 | New | Hotel and Restaurant Inspector |
| 2711-04 | New | Hotel Concierge Executive |
| 4224-11 | 42242 | Hotel Front Desk Clerk |
| 4321-28 | 43216 | Hotel Kitchen Clerk |
| 4321-27 | 43216 | Hotel Linen Supply and Lodging Clerk |
| 1411-01 | 14111 | Hotel Manager |
| 2711-02 | 27115 | Hotel Operations Executive |
| 4224-10 | 42241 | Hotel Receptionist |
| 8121-04 | 81212 | Hot-Roller Operator, Steel |
| 7111-01 | 71112 | House Builder |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 5152-04 | 51525 | House Steward, Private |
| 5151-06 | 51515 | Housekeeper (Hotel) |
| 5151-05 | 51513 | Housekeeper Executive |
| 5152-01 | New | Housekeeper, Private |
| 5151-09 | New | Housekeeping and Catering Service Supervisor |
| 9112-08 | New | Housekeeping and Catering Service Workers |
| 1622-10 | New | Housekeeping Manager |
| 1622-08 | 14322 | Housekeeping Service Manager |
| 5151-03 | 51512 | Housekeeping Supervisor |
| 5151-08 | 51524 | Housekeeping Supervisor, Public Area |
| 5152-06 | 51524 | Housekeeping Worker, Private |
| 5152-05 | 51524 | Housekeeping Worker, Private Room |
| 9112-06 | 51524 | Housekeeping Worker, Public Area |
| 9111-03 | 91111 | Housemaid |
| 1614-06 | New | Housing Service Manager |
| 2171-04 | 21714 | Hovercraft Architect |
| 5112-05 | 51121 | Hovercraft Conductor |
| 2172-04 | 21722 | Hovercraft Pilot |
| 2423-16 | New | Human Resource Analyst |
| 4416-11 | New | Human Resource Assistant |
| 2423-18 | New | Human Resource Consultant |
| 2423-17 | New | Human Resource Coordinator |
| 2423-03 | 24231 | Human Resource Executive |
| 2423-12 | New | Human Resource Expert |
| 1212-01 | 12124 | Human Resource Manager |
| 3341-09 | 33412 | Human Resource Supervisor |
| 2831-06 | 26412 | Humorist |
| 6224-01 | 62241 | Hunter |
| 2144-34 | New | Hydraulic Design Engineer |
| 3115-23 | 31158 | Hydraulic Hose Technician |
| 2131-14 | 21311 | Hydrobiologist |
| 2111-09 | 21112 | Hydrodynamicist |
| 3131-08 | New | Hydroelectric Power Plant Operator |
| 3131-03 | 31313 | Hydroelectric Station Operator |
| 2114-28 | 21147 | Hydrogeologist |
| 2165-14 | 21658 | Hydrographic Surveyor |
| 2114-29 | 21147 | Hydrologist |
| 6113-04 | 61131 | Hydroponics Grower |
| 3255-04 | New | Hydrotherapist |
| 2514-26 | New | Hypertext Preprocessor (PHP) |
| 2512-15 | New | Hypertext Preprocessor (PHP) Developer |
| I | | |
| 2131-34 | 21313 | Ichthyologist |
| 1511-11 | New | ICT Development Manager |
| 2434-08 | 33227 | ICT Sales Application Engineer |
| 2166-11 | New | Illustrator |
| 2826-05 | 26363 | <i>Imam</i> |
| 5415-01 | 54151 | Immigration Officer, Grade KP17 |
| 2131-03 | 21316 | Immunologist |
| 2845-02 | 26551 | Impersonator |
| 4321-38 | 43218 | Import-Export Clerk |
| 2522-23 | New | Inbound Technical Support Representative |
| 3132-12 | New | Incinerator Operator |
| 3132-04 | 31323 | Incinerator Plant Operator |
| 4132-02 | 41323 | Index Clerk |
| 2141-13 | 21414 | Industrial Efficiency Engineer |
| 2141-03 | 21412 | Industrial Engineer |
| 2149-23 | 21415 | Industrial Health and Safety Engineer |
| 2149-24 | 21415 | Industrial Health Engineer |
| 2263-13 | New | Industrial Health Officer |
| 3257-31 | New | Industrial Hygiene Inspector |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 3112-04 | 31121 | Industrial Instrument Technician |
| 5419-06 | 54196 | Industrial Investigator |
| 2141-05 | 21412 | Industrial Layout Engineer |
| 2144-05 | 21442 | Industrial Machinery and Tool Engineer |
| 2221-22 | 32213 | Industrial Nurse |
| 2262-04 | 22622 | Industrial Pharmacist |
| 3631-14 | New | Industrial Photographer |
| 2163-02 | 21631 | Industrial Product Designer |
| 3719-01 | 44162 | Industrial Relations Assistant, Grade S17 |
| 2432-05 | 24321 | Industrial Relations Executive |
| 1212-03 | 12122 | Industrial Relations Manager |
| 2919-08 | 24324 | Industrial Relations Officer, Grade S41 |
| 3139-07 | New | Industrial Robot Controller |
| 2149-22 | 21415 | Industrial Safety Engineer |
| 2263-14 | New | Industrial Safety Officer - Occupational Safety and Health |
| 3257-32 | New | Industrial Waste Control Inspector |
| 2423-14 | New | Industry Educator |
| 1511-01 | 13304 | InfoDesa Field (MID) Manager |
| 2529-01 | 25291 | Information and Communications Technology Security Executive |
| 4222-01 | 42223 | Information Assistant, Grade S17 |
| 4225-06 | 42221 | Information Clerk |
| 2432-01 | 24325 | Information Officer, Grade S41 |
| 2812-16 | 26226 | Information Scientist, Business Services |
| 2812-15 | 26226 | Information Scientist, Technical Information |
| 2522-09 | New | Information System Officer |
| 2522-11 | 25221 | Information System Officer |
| 1511-12 | New | Information Systems Director |
| 1511-04 | 13302 | Information Systems Manager |
| 3511-14 | 35113 | Information Systems Technician |
| 2511-53 | New | Information Technology Application Management Analyst (Siebel) |
| 3511-15 | 35113 | Information Technology Assistant |
| 2511-08 | 25112 | Information Technology Business Analyst |
| 4132-10 | 41101 | Information Technology Clerk |
| 2511-07 | 25111 | Information Technology Consultant |
| 2511-23 | New | Information Technology Consultant (.Net) |
| 2511-29 | New | Information Technology Consultant (Java) |
| 2152-15 | 21523 | Information Technology Engineer |
| 2522-15 | 25222 | Information Technology Executive |
| 2512-17 | New | Information Technology Executive (RPG) |
| 1511-20 | New | Information Technology Infrastructure Manager |
| 1511-05 | 13302 | Information Technology Manager |
| 2522-01 | 25222 | Information Technology Officer, Grade F41 |
| 1511-21 | New | Information Technology Programme Manager |
| 2514-04 | 25141 | Information Technology Programmer |
| 1511-19 | New | Information Technology Project Manager |
| 2511-09 | 25147 | Information Technology Researcher |
| 1511-23 | New | Information Technology Resource Manager |
| 2434-04 | 33227 | Information Technology Sales Engineer |
| 1511-22 | New | Information Technology Sales Manager |
| 2511-18 | New | Information Technology Security Analyst |
| 2511-24 | New | Information Technology Specialist (.Net) |
| 2511-34 | New | Information Technology Specialist (Lotus Notes) |
| 2511-48 | New | Information Technology Specialist (SAP) |
| 2511-30 | New | Information Technology Specialist(Java) |
| 2511-54 | New | Information Technology Specialist(Siebel) (IT) |
| 2522-12 | 25221 | Information Technology Support Officer |
| 7422-05 | 74223 | Information Technology Support Worker |
| 2511-32 | New | Information Technology System Analyst (JDE) |
| 2511-11 | New | Information Technology System Designer |
| 3512-03 | 35121 | Information Technology Technician |
| 7612-11 | 75229 | Inlayer, Marquetry |
| 6129-01 | 61295 | Inseminator, Poultry |
| 4323-10 | 43233 | Inspector, Bus Services |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 4323-09 | 43233 | Inspector, Road Transport Services |
| 1112-07 | New | Inspector-General of Police |
| 7121-08 | 71217 | Installer, Awning |
| 7121-09 | 71219 | Installer, Ceiling |
| 7122-01 | 71221 | Installer, Tile |
| 7413-09 | 74134 | Installer, Underground Cable |
| 7413-10 | 74134 | Installer, Underwater Cable |
| 2261-02 | 22618 | Instructor (Dental Nurse), Grade U41 |
| 2261-03 | 22619 | Instructor (Dental Technician), Grade U42 |
| 2221-02 | New | Instructor (Health Science), Grade U41 |
| 2269-03 | 22693 | Instructor (Medical Laboratory Technologist), Grade U41 |
| 2264-02 | 22644 | Instructor (Physiotherapy), Grade U41 |
| 2269-02 | 22692 | Instructor (X-Ray Technician), Grade U41 |
| 2211-02 | JPA | Instructor, Grade U41 |
| 7317-11 | 81514 | Instructor, Spinner |
| 7621-26 | 81521 | Instructor, Weaving |
| 0321-04 | New | Instrument Technician |
| 2842-03 | 26521 | Instrumentalist |
| 7124-09 | New | Insulation Installer |
| 7124-01 | 71246 | Insulation Worker |
| 7124-05 | 71243 | Insulation Worker, Acoustical |
| 7124-07 | 71244 | Insulation Worker, Air-Conditioning Equipment |
| 7124-03 | 71242 | Insulation Worker, Boiler |
| 7124-02 | 71241 | Insulation Worker, Building |
| 7124-04 | 71242 | Insulation Worker, Pipe |
| 7124-06 | 71244 | Insulation Worker, Refrigeration Equipment |
| 7124-08 | 71245 | Insulation Worker, Sound-Proofing |
| 3315-07 | 33156 | Insurance Adjuster |
| 4312-11 | 43128 | Insurance Adjustment Assistant |
| 1616-06 | New | Insurance Agency Manager |
| 3321-01 | 33211 | Insurance Agent |
| 3315-08 | 33157 | Insurance Assessor |
| 1616-03 | 13463 | Insurance Branch Manager |
| 3321-02 | 33212 | Insurance Broker |
| 2619-12 | 26198 | Insurance Claim Arbitrator |
| 4312-14 | 43128 | Insurance Claims Assistant |
| 4312-19 | New | Insurance clerk |
| 3321-04 | New | Insurance Consultant |
| 1211-08 | 12112 | Insurance Manager |
| 4312-13 | 43128 | Insurance Policy Assistant |
| 3321-05 | New | Insurance Representative |
| 3321-03 | 33213 | Insurance Underwriter |
| 4312-12 | 43128 | Insurance Underwriting Assistant |
| 4312-08 | 43128 | Insurance Underwriting Clerk |
| 4312-10 | 43128 | Insurance Underwriting Supervisory Assistant |
| 2511-60 | New | Integrated Circuit (IC) Designer (IT) |
| 2422-03 | 24223 | Intelligence Officer |
| 2361-02 | New | Intensive Language Teacher |
| 2831-21 | New | Interactive Media Writer |
| 2166-30 | New | Interface Designer |
| 2161-04 | 21612 | Interior Architect |
| 3632-16 | 34323 | Interior Decorator |
| 3632-02 | 34323 | Interior Designer |
| 2144-16 | 21445 | Internal Combustion Engine Engineer |
| 5244-09 | New | Internet Salesperson |
| 1511-13 | New | Internet Service Provider |
| 2513-02 | 25131 | Internet/ Intranet Developer |
| 2833-04 | 26432 | Interpreter |
| 2833-01 | 26435 | Interpreter, Grade L17 |
| 2846-08 | 26562 | Interviewer, Media |
| 4321-29 | 43216 | Inventory Clerk |
| 4321-30 | 43216 | Inventory Purchasing Clerk |
| 3311-05 | 33115 | Investment Broker |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 4312-21 | 43115 | Investment Clerk |
| 2413-03 | New | Investment Consultant |
| 4311-11 | 43112 | Invoice Clerk |
| 9121-02 | 91212 | Ironer |
| 3119-03 | New | Irrigation Inspector, Grade J17 |
| 3142-12 | 61113 | Irrigator |
| 3612-01 | 44191 | Islamic Affairs Assistant, Grade S17 |
| 2826-01 | 26126 | Islamic Affairs Officer, Grade S41 |
| 2371-03 | 23702 | Islamic Education Teacher |
| 2371-01 | 23701 | Islamic Religious Teacher |
| 2511-06 | 25111 | IT System Consultant |
| J | | |
| 2514-23 | New | J2EE Programmer |
| 2514-24 | New | J2ME Programmer |
| 8152-09 | 81524 | Jacquard Card Cutter |
| 5153-09 | New | Janitor |
| 2514-31 | New | Java Analyst Programmer |
| 2511-27 | New | Java Application Consultant |
| 2512-13 | New | Java Application Developer |
| 2511-26 | New | Java Consultant |
| 2512-14 | New | Java Developer |
| 2514-25 | New | Java EE Programmer |
| 2514-22 | New | Java Programmer |
| 2511-28 | New | Java Programmer Analyst |
| 2511-33 | New | JD Edwards (JDE) Application Specialist |
| 2144-14 | 21445 | Jet Engine Engineer |
| 7232-10 | New | Jet Engine Mechanic |
| 3151-12 | New | Jet Engine Technician |
| 9629-01 | 43236 | Jetty Supervisor, Grade N3 |
| 7313-01 | 73131 | Jeweller |
| 2163-04 | 34324 | Jewellery Designer |
| 7313-12 | 73138 | Jewellery Enameller |
| 7313-10 | 73136 | Jewellery Engraver |
| 7313-05 | 73132 | Jewellery Repairer |
| 7222-05 | 72223 | Jig Maker and Fixture |
| 7314-09 | 73145 | Jiggerer, Pottery and Porcelain |
| 2423-04 | 24232 | Job Analyst |
| 2423-06 | 24232 | Job Evaluator |
| 3333-02 | 33332 | Job Placement Officer |
| 3621-10 | New | Jockey |
| 7115-14 | New | Joiner |
| 7115-10 | 71156 | Joiner, Aircraft |
| 7115-05 | 71153 | Joiner, Construction |
| 7115-06 | 71154 | Joiner, Ship |
| 2832-07 | 26421 | Journalist |
| 2832-01 | 26423 | Journalist, Grade S41 |
| 2612-01 | New | Judge |
| 2612-04 | 26121 | Judge, Federal Court |
| 2612-06 | 26121 | Judge, High Court |
| 2612-08 | 26124 | Judge, Industrial Court |
| 2612-03 | 26121 | Judge, Native Court |
| 2612-05 | 26121 | Judge, Sessions Court |
| 2612-07 | New | Judge, Shariah Court |
| 3622-10 | 34224 | Judo Coach |
| 2847-10 | 26575 | Juggler |
| 1111-10 | New | Junior Minister |
| 6211-02 | 54199 | Junior Wildlife Assistant, Grade G11 |
| 2619-14 | New | Jurist (except lawyer or judge) |
| 4131-07 | 41311 | Justowriter |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| K | | |
| 2826-06 | 26364 | <i>Kadhi</i> |
| 1113-08 | 11134 | <i>Kapitan</i> |
| 3622-11 | 34224 | Karate Coach |
| 5164-03 | 51643 | Keeper in Zoo, Bird and Aquatic Parks |
| 1112-01 | New | Keeper of the Rulers' Seal |
| 8112-09 | 81124 | Keeper, Jig |
| 8351-15 | 83506 | Keeper, Light House |
| 3622-04 | 54128 | <i>Kesatria</i> Assistant, Grade S17 |
| 2399-03 | 24461 | <i>Kesatria</i> Officer, Grade S41 |
| 7222-07 | 72225 | Keysmith |
| 8131-33 | 81314 | Kiln Operator, Charcoal |
| 8181-05 | New | Kiln-Operator |
| 8181-08 | 81843 | Kiln-Operator, Brick and Tile |
| 8131-14 | 81312 | Kiln-Operator, Chemical Processes |
| 8181-12 | 81844 | Kiln-Operator, Pottery and Porcelain |
| 8161-68 | 81607 | Kiln-Operator, Spirit Malting |
| 5312-04 | 53112 | Kindergarten Assistant |
| 5312-05 | 53113 | Kindergarten Attendant |
| 2342-02 | 23421 | Kindergarten Teacher |
| 5312-06 | 53114 | Kindergarten Worker |
| 5211-03 | 52113 | Kiosk Salesperson |
| 2712-03 | 27117 | Kitchen Administrator |
| 9412-03 | New | Kitchen Assistant |
| 3641-13 | 34348 | Kitchen Coordinator |
| 9412-01 | 94121 | Kitchen Helper |
| 9412-04 | New | Kitchen Porter |
| 7224-12 | New | Knife Sharpener |
| 7318-09 | New | Knitter |
| 7621-25 | 75319 | Knitter, Hand |
| L | | |
| 9321-02 | 93212 | Labeller (Hand) |
| 3111-23 | New | Laboratory Assistant |
| 3111-01 | 31114 | Laboratory Assistant, Grade C17 |
| 2263-02 | New | Labour Affairs Officer - Occupational Safety and Health |
| 3333-03 | New | Labour Contractor |
| 2821-10 | New | Labour Economist |
| 2423-10 | 24233 | Labour Management Relations Conciliator |
| 2263-05 | New | Labour Standards Officer - Occupational Safety and Health |
| 9216-02 | New | Labourer, Aquaculture |
| 9329-04 | 93294 | Labourer, Assembling |
| 9313-08 | New | Labourer, Construction (Building Work) |
| 9312-01 | 93121 | Labourer, Construction (Civil Engineering) |
| 9219-01 | 62215 | Labourer, Crocodile Cage |
| 9313-07 | 93137 | Labourer, Demolition |
| 9313-04 | 93133 | Labourer, Digging |
| 9312-06 | New | Labourer, Earth-Moving |
| 9216-01 | 92161 | Labourer, Fishery |
| 9215-01 | 92151 | Labourer, Forestry |
| 9214-06 | New | Labourer, Garden |
| 9214-07 | New | Labourer, Horticultural |
| 9215-02 | 92152 | Labourer, Hunting |
| 9214-05 | 92146 | Labourer, Landscape |
| 9313-02 | 93132 | Labourer, Maintenance |
| 9312-02 | 93122 | Labourer, Maintenance (Dam) |
| 9329-01 | 93291 | Labourer, Manufacturing |
| 9311-02 | 93111 | Labourer, Mining |
| 9214-08 | New | Labourer, Nursery |
| 9613-04 | 96133 | Labourer, Odd-Job |
| 9311-05 | 93112 | Labourer, Quarry |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 9311-06 | 96297 | Labourer, Sanding |
| 9219-02 | 62216 | Labourer, Snake Cage |
| 9215-03 | 92153 | Labourer, Trapping |
| 7621-16 | 75319 | Lace Maker, Hand |
| 7612-17 | 75229 | Lacquerer, Wood |
| 5162-01 | 51623 | Lady-in-Waiting |
| 4111-02 | 41106 | Land Administrative Assistant, Grade N17 |
| 2425-07 | New | Land Assistant Officer (Peninsula), NT27 |
| 9313-05 | 93134 | Land Clearer |
| 2164-07 | New | Land Planner |
| 2132-04 | 21326 | Land Planning Officer, Grade G41 |
| 3129-01 | 41108 | Land Scheme Supervisor, Grade G17 |
| 2165-18 | New | Land Surveyor |
| 3521-16 | 35216 | Land-Based Radio Equipment Technician |
| 2162-03 | 21621 | Landscape Architect |
| 2162-01 | 21622 | Landscape Architect, Grade J41 |
| 2841-06 | 26515 | Landscape Artist |
| 6113-07 | New | Landscape Gardener |
| 3118-02 | 31183 | Landscape Technician, Grade J17 |
| 2919-17 | 26434 | Language Planning Officer, Grade S41 |
| 2361-01 | 23601 | Language Teacher, Grade DG41 |
| 2266-05 | New | Language Therapist |
| 2151-22 | New | Laser Welding Cylindrical Engineer |
| 8141-13 | New | Latex Foam Machine Operator |
| 8172-07 | 81722 | Lathe Feeder, Veneer |
| 8221-54 | New | Lathe Machine Operator |
| 8173-03 | 81733 | Lathe Operator, Wood (Machine) |
| 8172-06 | 81722 | Lathe-Operator, Veneer Cutting |
| 8173-01 | 81731 | Lathe-Operator, Woodworking |
| 1622-05 | 14321 | Laundrying, Dry-Cleaning and Ironing Manager |
| 9111-07 | 91112 | Laundress, Household |
| 1622-09 | New | Laundry Manager |
| 5151-04 | 51512 | Laundry Supervisor |
| 3411-09 | New | Law Clerk |
| 2611-20 | 26111 | Lawyer |
| 2611-26 | 26111 | Lawyer, Civil |
| 2611-25 | 26111 | Lawyer, Conveyancing |
| 2611-23 | 26111 | Lawyer, Criminal |
| 2611-24 | 26111 | Lawyer, Litigation |
| 2611-22 | 26111 | Lawyer, Shariah |
| 2166-36 | New | Layout Artist |
| 2152-38 | New | Layout Integrated Circuit (IC) Designer |
| 9511-06 | New | Leaflet Distributor |
| 1212-08 | New | Learning & Organisation Development Manager |
| 2392-07 | New | Learning Disability Special Education Teacher |
| 2392-08 | New | Learning Support Teacher |
| 2141-16 | 21416 | Leather Technologist |
| 2311-10 | 23101 | Lecturer |
| 4311-06 | 43111 | Ledger Book-Keeper |
| 4311-03 | 43111 | Ledger Clerk |
| 2611-18 | 26111 | Legal Adviser |
| 2611-04 | 26114 | Legal Adviser, Grade L41 |
| 2611-06 | 26116 | Legal Aid Bureau Officer, Grade L41 |
| 1617-01 | 14331 | Legal and Risk Management Manager |
| 3411-06 | New | Legal Assistant |
| 2611-05 | 26115 | Legal Drafter, Grade L41 |
| 2611-21 | 26111 | Legal Executive |
| 1617-02 | New | Legal Manager |
| 2611-01 | New | Legal Officer, Grade L41 |
| 3342-02 | 33421 | Legal Secretary |
| 6115-02 | 61152 | Lentil Grower |
| 2833-06 | 26433 | Lexicographer |
| 2812-09 | 26221 | Librarian |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|----------------------------------|
| 2812-11 | 26223 | Librarian, Audio-Visual |
| 2812-12 | 26223 | Librarian, Film |
| 2812-01 | 26227 | Librarian, Grade S41 |
| 4411-05 | 44115 | Library Administrative Assistant |
| 3633-08 | 44112 | Library Assistant |
| 3633-04 | 44114 | Library Assistant, Grade S17 |
| 4411-03 | 44111 | Library Clerk |
| 2812-08 | 26221 | Library Executive |
| 4411-04 | 44113 | Library File Compiler |
| 1624-01 | New | Library Manager |
| 3633-06 | New | Library Technician |
| 3714-04 | 33541 | Licensing Assistant |
| 3714-03 | 33541 | Licensing Inspector |
| 2914-05 | 33541 | Licensing Officer |
| 3611-23 | New | Life Skills Instructor |
| 8351-14 | 83506 | Life-Boatman |
| 5419-09 | 54196 | Lifeguard |
| 5419-01 | 54191 | Lifeguard, Grade N1 |
| 2144-06 | 21442 | Lift Engineer |
| 7412-19 | New | Lift Mechanic |
| 3153-04 | 31532 | Light Rail Transit Supervisor |
| 8351-12 | 83505 | Lighterman |
| 3639-05 | New | Lighting Technician |
| 8189-10 | 96297 | Line Leader |
| 9111-10 | 51523 | Linen Housekeeping Attendant |
| 3622-22 | 34229 | Linesman |
| 3132-13 | New | Liquid Waste Process Operator |
| 2411-14 | 24115 | Liquidator |
| 3339-02 | 33391 | Literary Agent |
| 3411-12 | 44199 | Litigation Clerk |
| 9212-02 | 92121 | Livestock Farm Cleaner |
| 9212-01 | 92121 | Livestock Farm Labourer |
| 9212-03 | 92121 | Livestock Farm Labourer, Dairy |
| 9212-04 | 92121 | Livestock Farm Labourer, Poultry |
| 3719-10 | New | Livestock Inspector |
| 1311-08 | 13112 | Livestock Manager |
| 2179-01 | 21791 | Load Sheet Officer |
| 9333-12 | 93339 | Loader Worker |
| 9333-07 | 93334 | Loader, Aircraft |
| 9333-08 | 93335 | Loader, Boat (Liquid and Gases) |
| 9333-06 | 93333 | Loader, Railway and Road Vehicle |
| 3312-02 | 33121 | Loan Officer |
| 7222-08 | 72225 | Locksmith |
| 8311-04 | 83111 | Locomotive Driver |
| 8311-02 | 83117 | Locomotive Driver, Grade AA13 |
| 2144-15 | 21445 | Locomotive Engine Engineer |
| 3153-03 | 31532 | Locomotive Supervisor |
| 6211-09 | 62111 | Log Feller |
| 2182-09 | 21826 | Log Officer |
| 3122-12 | 31228 | Log Yard Supervisor |
| 3119-29 | 31225 | Log Yard Technician |
| 6211-03 | 62111 | Logger |
| 6211-07 | 62111 | Logger, Underwater |
| 6211-23 | New | Logging Climber |
| 3143-02 | 62116 | Logging Instructor, Grade G17 |
| 2511-61 | New | Logic Designer (IT) |
| 3129-05 | 31294 | Logistic Supervisor |
| 4323-01 | 43231 | Logistics Clerk |
| 2179-03 | New | Logistics Executive |
| 1324-13 | 13247 | Logistics Manager |
| 0321-20 | New | Logistics System Technician |
| 0321-18 | New | Logistics Technician |
| 7621-22 | 75319 | Loom Threader, Hand |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 2512-18 | New | Lotus Notes Developer (IT) |
| 2514-11 | New | Lotus Notes Programmer |
| 3715-01 | 54125 | Low-ranking officer and Constable, Grade YA1 |
| 5412-02 | 54127 | Low-Ranking Police Officer and Aboriginal Constable, Grade YP1 |
| 5412-01 | 54126 | Low-Ranking Police Officer and Auxiliary Constable, Grade YT1 |
| 1113-13 | New | <i>Luak</i> |
| 2144-23 | 21445 | Lubrication Engineer |
| 8219-11 | New | Luggage Finisher |
| 2831-12 | 26414 | Lyricist |
| M | | |
| 8159-02 | 81592 | Machine Cutter, Leather Garments |
| 8189-01 | New | Machine Operator |
| 8114-08 | 81143 | Machine Operator, Abrasive Coating |
| 8181-21 | 81849 | Machine Operator, Abrasives Mixing |
| 8131-56 | 81317 | Machine Operator, Ammunition Products |
| 8114-04 | 81142 | Machine Operator, Asbestos |
| 8114-05 | 81142 | Machine Operator, Asbestos-Cement Product |
| 8156-06 | New | Machine Operator, Baggage Production |
| 8121-22 | 81216 | Machine Operator, Barbed-Wire |
| 8161-82 | 81609 | Machine Operator, Bean Curd Production |
| 8156-08 | New | Machine Operator, Belt Production |
| 8189-05 | 81893 | Machine Operator, Bending |
| 7323-14 | 81922 | Machine Operator, Book Embossing |
| 7323-13 | 81921 | Machine Operator, Bookbinding |
| 8181-24 | 81849 | Machine Operator, Bottle Production |
| 8183-10 | 82193 | Machine Operator, Bottling |
| 8151-08 | 81515 | Machine Operator, Braid Production |
| 8161-39 | 81604 | Machine Operator, Bread Production |
| 8161-73 | 81607 | Machine Operator, Brew |
| 8181-23 | 81849 | Machine Operator, Brick-and-Tile Production |
| 8161-15 | 81602 | Machine Operator, Butter Products |
| 8189-08 | 82196 | Machine Operator, Cable and Rope Splicing |
| 8131-51 | 81317 | Machine Operator, Candle Production |
| 8183-09 | 82192 | Machine Operator, Capping |
| 8143-06 | 81435 | Machine Operator, Cardboard Presser |
| 8171-08 | 81718 | Machine Operator, Cardboard Production |
| 8143-07 | 81435 | Machine Operator, Cardboard Products |
| 8152-03 | 81521 | Machine Operator, Carpet Weaving |
| 8143-01 | 81431 | Machine Operator, Carton and Paper Box Production |
| 8114-02 | 81141 | Machine Operator, Cast Concrete Product |
| 8122-09 | 81225 | Machine Operator, Cast Metal Article Finishing |
| 8114-06 | 81143 | Machine Operator, Cast Stone |
| 8143-03 | 81432 | Machine Operator, Cellophane Bag Production |
| 8114-03 | 81141 | Machine Operator, Cement Product |
| 8121-16 | 81214 | Machine Operator, Centrifugal Casting |
| 8181-09 | 81844 | Machine Operator, Ceramics Production |
| 8161-33 | 81604 | Machine Operator, Cereal Production |
| 8131-45 | 81317 | Machine Operator, Chemical and Related Material Washing |
| 8131-02 | 81311 | Machine Operator, Chemical Process Mixing and Blending |
| 8131-04 | 81311 | Machine Operator, Chemical Process Pulverising |
| 8171-02 | 81712 | Machine Operator, Chipping |
| 8131-50 | 81317 | Machine Operator, Chlorine Gas Production |
| 8161-34 | 81604 | Machine Operator, Chocolate Production |
| 8161-74 | 81608 | Machine Operator, Cigar Production |
| 8161-75 | 81608 | Machine Operator, Cigarette Production |
| 8181-01 | 81811 | Machine Operator, Clay Mixing |
| 8159-08 | 81597 | Machine Operator, Cloth Folding |
| 8171-11 | 81718 | Machine Operator, Coating |
| 8161-78 | 81609 | Machine Operator, Cocoa-Bean Processing |
| 8161-87 | New | Machine Operator, Coconut Peeler |
| 8161-79 | 81609 | Machine Operator, Coffee-Bean Processing |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 8131-41 | 81316 | Machine Operator, Coke Production |
| 8114-01 | 81141 | Machine Operator, Concrete Mixing |
| 8161-35 | 81604 | Machine Operator, Confectionery Production |
| 8183-11 | 82193 | Machine Operator, Container Filling |
| 8151-05 | 81512 | Machine Operator, Cotton-Mixing |
| 8161-14 | 81602 | Machine Operator, Dairy Product Churning |
| 8161-11 | 81602 | Machine Operator, Dairy Product Processing |
| 8131-40 | 81316 | Machine Operator, Detergent Production |
| 8114-09 | New | Machine Operator, Diamond Polishing |
| 8121-14 | 81214 | Machine Operator, Die-Casting |
| 8111-03 | New | Machine Operator, Drilling |
| 8154-06 | 81546 | Machine Operator, Dry-Cleaning |
| 8154-02 | 81542 | Machine Operator, Dyeing |
| 8181-17 | 81847 | Machine Operator, Engraving Glass |
| 8143-04 | 81432 | Machine Operator, Envelope Production |
| 8131-46 | 81317 | Machine Operator, Explosives Production |
| 8153-05 | 81525 | Machine Operator, Fabric Repairer |
| 8152-11 | New | Machine Operator, Fabric Weaving |
| 8161-77 | 81609 | Machine Operator, Feed Mixing |
| 8181-25 | 81849 | Machine Operator, Fibre Glass Production |
| 8151-06 | 81512 | Machine Operator, Fibre Preparation |
| 8132-08 | 81323 | Machine Operator, Film Paper Production |
| 8132-05 | 81323 | Machine Operator, Film Processing Machine |
| 8131-47 | 81317 | Machine Operator, Fireworks Production |
| 8161-09 | 81601 | Machine Operator, Fish Canning |
| 8161-06 | 81601 | Machine Operator, Fish Food Production |
| 8161-02 | 81601 | Machine Operator, Fish Processing |
| 8161-51 | 81605 | Machine Operator, Food Canning |
| 8161-03 | 81601 | Machine Operator, Food Processing |
| 8156-01 | 81561 | Machine Operator, Footwear Production |
| 8156-05 | New | Machine Operator, Footwear Production for Special/ Disabled Person |
| 8161-48 | 81605 | Machine Operator, Fruit Juice Production |
| 8173-07 | 81737 | Machine Operator, Furniture Production |
| 8159-01 | 81591 | Machine Operator, Garment Cutting |
| 8181-20 | 81849 | Machine Operator, Glass and Ceramics Kiln |
| 8181-15 | 81846 | Machine Operator, Glass Blowing |
| 8181-16 | 81847 | Machine Operator, Glass Etching |
| 8181-02 | 81812 | Machine Operator, Glass Mixing |
| 8181-22 | 81849 | Machine Operator, Glass Pressing |
| 8181-26 | 81849 | Machine Operator, Glaze Production |
| 8131-03 | 81311 | Machine Operator, Glue-Mixing |
| 8131-48 | 81317 | Machine Operator, Halogen Gas Production |
| 8156-07 | New | Machine Operator, Handbag Production |
| 8156-09 | New | Machine Operator, Harness |
| 8159-04 | 81594 | Machine Operator, Hat Making |
| 8155-03 | 81553 | Machine Operator, Hide Dehairing |
| 8155-02 | 81552 | Machine Operator, Hide Fleshing |
| 8155-01 | 81551 | Machine Operator, Hide Processing |
| 8131-49 | 81317 | Machine Operator, Hydrogen Gas Production |
| 3132-10 | 31329 | Machine Operator, Ice Production |
| 8161-12 | 81602 | Machine Operator, Ice-Cream Production |
| 8172-12 | 81726 | Machine Operator, Incising (Wood Preserving) |
| 8121-26 | 81216 | Machine Operator, Insulating |
| 8189-06 | 82194 | Machine Operator, Insulation |
| 8143-05 | 81434 | Machine Operator, Joss Paper Production |
| 8152-04 | 81522 | Machine Operator, Knitting |
| 8183-04 | 81834 | Machine Operator, Labelling |
| 8152-10 | 81525 | Machine Operator, Lace Production |
| 8157-02 | 81572 | Machine Operator, Laundering |
| 8157-03 | 81573 | Machine Operator, Laundry Presser |
| 8131-55 | 81317 | Machine Operator, Lead Production |
| 8155-05 | 81556 | Machine Operator, Leather Cutting |
| 8159-06 | 81595 | Machine Operator, Leather Pattern-Making |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 8131-52 | 81317 | Machine Operator, Linoleum Production |
| 8161-65 | 81607 | Machine Operator, Liquor Production |
| 8161-45 | 81605 | Machine Operator, Margarine Processing |
| 8131-53 | 81317 | Machine Operator, Match Production |
| 8159-05 | 81594 | Machine Operator, Mattress Production |
| 8161-08 | 81601 | Machine Operator, Meat Canning |
| 8161-01 | 81601 | Machine Operator, Meat Processing |
| 8121-15 | 81214 | Machine Operator, Metal Casting |
| 8122-03 | 81222 | Machine Operator, Metal Dipping |
| 8121-13 | 81214 | Machine Operator, Metal Drawing |
| 8122-01 | 81221 | Machine Operator, Metal Electroplating |
| 8122-05 | 81223 | Machine Operator, Metal Galvanising |
| 8122-12 | 81226 | Machine Operator, Metal Spraying |
| 8161-13 | 81602 | Machine Operator, Milk Powder Production |
| 8111-04 | 81111 | Machine Operator, Mine Drilling |
| 8112-05 | 81122 | Machine Operator, Mineral Milling |
| 8131-42 | 81316 | Machine Operator, Mosquito Coil Production |
| 8161-20 | 81603 | Machine Operator, Mustard Seed Milling |
| 8152-05 | 81522 | Machine Operator, Net Production |
| 8161-36 | 81604 | Machine Operator, Noodle Production |
| 8161-90 | New | Machine Operator, Nut Peeler |
| 8161-44 | 81605 | Machine Operator, Nut Processing |
| 8161-47 | 81605 | Machine Operator, Oil and Fat Refining |
| 8156-02 | 81562 | Machine Operator, Orthopaedic Footwear Production |
| 8183-05 | 81835 | Machine Operator, Packing |
| 8131-01 | 81311 | Machine Operator, Paint-Mixing |
| 8143-09 | 81432 | Machine Operator, Paper Bag Production |
| 8171-10 | 81718 | Machine Operator, Paper Cutting |
| 8143-02 | 81431 | Machine Operator, Paper Products |
| 8171-09 | 81718 | Machine Operator, Papermaking |
| 8161-37 | 81604 | Machine Operator, Pasta Production |
| 8161-38 | 81604 | Machine Operator, Pastry Production |
| 8131-54 | 81317 | Machine Operator, Pencil Production |
| 8131-43 | 81316 | Machine Operator, Pharmaceutical Products |
| 8132-06 | 81323 | Machine Operator, Photograph Enlarging |
| 8132-07 | 81323 | Machine Operator, Photographic Film Production |
| 8132-09 | 81323 | Machine Operator, Photographic Plate Production |
| 8132-10 | 81323 | Machine Operator, Photographic Products |
| 8132-03 | 81321 | Machine Operator, Photography Development |
| 8132-02 | 81321 | Machine Operator, Photography Printing |
| 8161-89 | New | Machine Operator, Pineapple Peeler |
| 8142-12 | New | Machine Operator, Plastic Cable |
| 8142-04 | 81425 | Machine Operator, Plastic Compression Moulding |
| 8142-07 | 81427 | Machine Operator, Plastic Embossing |
| 8142-03 | 81423 | Machine Operator, Plastic Extruding |
| 8142-01 | 81421 | Machine Operator, Plastic Mixing |
| 8142-08 | 81428 | Machine Operator, Plastic Production |
| 8142-09 | 81429 | Machine Operator, Plastic Products |
| 8142-10 | 81433 | Machine Operator, Plastic Straw Production |
| 8142-06 | 81427 | Machine Operator, Plastic Tableting |
| 8161-88 | New | Machine Operator, Potato Peeler |
| 8181-10 | 81844 | Machine Operator, Pottery and Porcelain |
| 8181-11 | 81844 | Machine Operator, Pottery and Porcelain Casting |
| 8161-81 | 81609 | Machine Operator, Powdered Soup Production |
| 8183-07 | New | Machine Operator, Press |
| 8132-25 | New | Machine Operator, Printing/Photography (Colour) |
| 8151-07 | 81513 | Machine Operator, Rope-Laying |
| 8141-04 | 81414 | Machine Operator, Rubber Calender |
| 8141-05 | 81415 | Machine Operator, Rubber Cutting |
| 8141-02 | 81412 | Machine Operator, Rubber Extruding |
| 8141-22 | 93228 | Machine Operator, Rubber Laminating |
| 8141-01 | 81411 | Machine Operator, Rubber Milling |
| 8141-09 | 81417 | Machine Operator, Rubber Products |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 8141-08 | 81417 | Machine Operator, Rubber Stamp Production |
| 8156-04 | New | Machine Operator, Safety Footwear Production |
| 8161-40 | 81604 | Machine Operator, Sago Production |
| 8122-07 | 81224 | Machine Operator, Sandblaster Equipment |
| 8161-50 | 81605 | Machine Operator, Sauce Production |
| 8161-07 | 81601 | Machine Operator, Sausage Production |
| 8132-04 | 81321 | Machine Operator, Scanning and Filming |
| 8183-08 | 82192 | Machine Operator, Sealing |
| 8121-23 | 81216 | Machine Operator, Seamless Pipe and Tube |
| 8161-05 | 81601 | Machine Operator, Shrimp Paste Production |
| 8189-07 | 82196 | Machine Operator, Silicon Chip Production |
| 8161-04 | New | Machine Operator, Slaughtering |
| 8161-63 | 81607 | Machine Operator, Soft Drink Production |
| 8161-64 | 81607 | Machine Operator, Spirit Brewing |
| 8161-66 | 81607 | Machine Operator, Spirit Distilling |
| 8156-03 | 81563 | Machine Operator, Sports Footwear Production |
| 8154-03 | 81543 | Machine Operator, Starch |
| 8112-03 | 81121 | Machine Operator, Stone Crushing |
| 8112-04 | 81122 | Machine Operator, Stone Milling |
| 8114-10 | New | Machine Operator, Stone Polishing |
| 8112-01 | 81121 | Machine Operator, Stone Processing |
| 8112-02 | 81121 | Machine Operator, Stone Splitting |
| 8155-04 | 81554 | Machine Operator, Tanning |
| 8161-80 | 81609 | Machine Operator, Tea-Leaf Processing |
| 8114-07 | 81143 | Machine Operator, Terrazzo Tile |
| 8154-01 | 81541 | Machine Operator, Textile Bleaching |
| 8159-03 | 81593 | Machine Operator, Textile Cutting |
| 8154-05 | 81545 | Machine Operator, Textile Dyeing |
| 8157-01 | 81571 | Machine Operator, Textile Fibre Dyeing |
| 8159-07 | 81596 | Machine Operator, Textile Pattern-Making |
| 8154-08 | 81544 | Machine Operator, Textile Shrinking |
| 8152-07 | 81523 | Machine Operator, Textile Size |
| 8151-01 | 81511 | Machine Operator, Thread and Yarn Twisting |
| 8161-76 | 81608 | Machine Operator, Tobacco Production |
| 8131-44 | 81316 | Machine Operator, Toiletry Products |
| 8342-02 | 83422 | Machine Operator, Trench Digging |
| 8141-06 | 81416 | Machine Operator, Tyre Production |
| 8142-05 | 81426 | Machine Operator, Vacuum Plastic-Forming |
| 8161-49 | 81605 | Machine Operator, Vegetable Juice Production |
| 8161-46 | 81605 | Machine Operator, Vegetable Processing |
| 8161-62 | 81607 | Machine Operator, Vinegar Making |
| 8161-31 | 81604 | Machine Operator, Wafer-Baking |
| 8152-01 | 81521 | Machine Operator, Warping Beam (Textile Weaving) |
| 8154-04 | 81544 | Machine Operator, Washing |
| 8152-02 | 81521 | Machine Operator, Weaving |
| 8113-06 | 81133 | Machine Operator, Well Boring Equipment |
| 8121-25 | 81216 | Machine Operator, Wire Drawing |
| 8121-27 | 81216 | Machine Operator, Wire Extruding |
| 8121-24 | 81216 | Machine Operator, Wire Stripping and Cutting |
| 8173-04 | 81736 | Machine Operator, Wood Carving |
| 8171-04 | 81714 | Machine Operator, Wood Grinding |
| 8173-08 | 81738 | Machine Operator, Wood Products |
| 8172-11 | 81725 | Machine Operator, Wood Seasoning |
| 8172-13 | 81726 | Machine Operator, Wood Treating |
| 8173-05 | 81734 | Machine Operator, Wood-Wool |
| 8183-06 | 81836 | Machine Operator, Wrapping |
| 8161-32 | 81604 | Machine Operator, Yeast Making |
| 7613-10 | New | Machine Set-Up Operator |
| 7223-06 | New | Machine Tool Operator |
| 7223-05 | New | Machine Tool Setter |
| 7223-07 | New | Machine Tool Setter-Operator |
| 7224-03 | 72243 | Machine Tool Sharpener |
| 8351-20 | New | Machine Wiper |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 7233-01 | 72331 | Machinery Mechanic |
| 3115-27 | New | Machinery Technician |
| 8173-09 | New | Machinist |
| 8173-02 | 81731 | Machinist, Wood |
| 2847-03 | 26573 | Magician |
| 2612-02 | 26123 | Magistrate |
| 9332-04 | New | Mahout |
| 2142-38 | 21429 | Maintenance Engineer |
| 2182-08 | 21825 | Maintenance Executive |
| 7412-14 | 74129 | Maintenance Fitter |
| 3129-08 | 31223 | Maintenance Supervisor |
| 3119-24 | 31223 | Maintenance Technician |
| 8141-10 | 81417 | Maker, Air-Bag |
| 7621-13 | 75317 | Maker, Artificial Flower |
| 7624-06 | 75345 | Maker, Bedding |
| 7623-11 | New | Maker, Belt |
| 7621-20 | 75319 | Maker, Braided Gloves |
| 7612-02 | 75221 | Maker, Cabinet |
| 7516-02 | 75162 | Maker, Cigar |
| 7516-03 | 75163 | Maker, Cigarette |
| 7612-06 | 75225 | Maker, Clog |
| 7612-05 | 75224 | Maker, Coffin |
| 7624-04 | 75344 | Maker, Cushion |
| 7621-14 | 75318 | Maker, Doll and Stuffed Toy |
| 8181-29 | 81849 | Maker, Fibre Glass |
| 7612-04 | 75223 | Maker, Furniture |
| 7622-03 | 75323 | Maker, Garment |
| 8181-31 | 81849 | Maker, Glass Tube |
| 8181-30 | 81849 | Maker, Glaze |
| 9329-07 | 93299 | Maker, Hand Carton and Paper Box |
| 7621-06 | 75312 | Maker, Hat / Cap |
| 8141-12 | 81417 | Maker, Hose |
| 8161-55 | 81605 | Maker, Jam |
| 7318-03 | 75353 | Maker, Leather Goods |
| 7623-09 | New | Maker, Leather Handbag |
| 6211-16 | 62113 | Maker, Log-Raft |
| 8161-71 | 81607 | Maker, Malting Germination Equipment |
| 7624-03 | 75343 | Maker, Mattress |
| 7621-21 | 75319 | Maker, Nitted Gloves |
| 8161-56 | 81605 | Maker, Peanut Butter |
| 7612-09 | 75228 | Maker, Picture Frame |
| 7314-07 | 73145 | Maker, Pottery and Porcelain Mould |
| 7623-10 | New | Maker, Purse |
| 8141-11 | 81417 | Maker, Rubber Foam |
| 7621-17 | 75319 | Maker, Sack |
| 7621-18 | 75319 | Maker, Sail, Tent and Awning |
| 7621-27 | New | Maker, Scarf |
| 7624-05 | 75344 | Maker, Soft Furnishing |
| 7621-05 | New | Maker, Songkok |
| 7623-07 | 75336 | Maker, Sports Footwear |
| 7623-08 | 75336 | Maker, Sports Footwear Equipment |
| 7623-02 | 75332 | Maker, Surgical Footwear |
| 7621-28 | New | Maker, <i>Telekung</i> |
| 8141-07 | 81416 | Maker, Tyre |
| 7621-19 | 75319 | Maker, Umbrella |
| 7621-07 | 75313 | Maker, Wig |
| 7612-07 | 75226 | Maker, Wooden Model |
| 7612-15 | 75229 | Maker, Wooden Sports Equipment |
| 5142-03 | 51422 | Make-Up Artist |
| 3641-10 | 34343 | Malay Cuisine Chef |
| 2919-09 | 33599 | Malaysian Anti-Corruption Commission Investigating Officer, Grade P41 |
| 2131-35 | 21313 | Mammalogist |
| 3211-05 | New | Mammographer |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 2411-18 | 24116 | Management Accountant |
| 2421-06 | 24211 | Management Consultant |
| 2511-03 | 25111 | Management Information System (MIS) Analyst |
| 2152-14 | 21523 | Management Information System (MIS) Engineer |
| 4132-11 | 41102 | Management Information System Clerk |
| 3341-10 | 33413 | Management Trainee |
| 1121-20 | New | Manager |
| 1121-06 | 11201 | Managing Director |
| 1121-16 | 11202 | Managing Director of Organisation |
| 6111-15 | 31425 | Mandore, Plantation |
| 5142-04 | 51423 | Manicurist |
| 1321-04 | New | Manufacturer |
| 2182-01 | 21821 | Manufacturing Executive |
| 1321-01 | 13211 | Manufacturing Manager |
| 2182-10 | New | Manufacturing Quality Control Executive |
| 3122-01 | 31224 | Manufacturing Supervisor |
| 7323-03 | 73233 | Map and Chart Mounter |
| 2165-07 | 21651 | Map Maker |
| 7122-07 | 71226 | Marble Cutter |
| 7122-08 | 71227 | Marble Polisher |
| 7122-03 | 71222 | Marble Setter |
| 3622-03 | 34222 | Marching Instructor, Grade S17 |
| 2171-06 | 21714 | Marine Architect |
| 3152-01 | New | Marine Assistant, Grade A17 |
| 7239-01 | 72335 | Marine Engine Mechanic |
| 3152-05 | 31525 | Marine Engine Technician |
| 2171-02 | 21712 | Marine Engineer |
| 3115-21 | 31155 | Marine Engineering Assistant |
| 3115-20 | 31155 | Marine Engineering Technician |
| 2172-01 | 21727 | Marine Officer, Grade A41 |
| 3521-11 | 35214 | Marine Radio Officer |
| 2149-18 | New | Marine Salvage Engineer |
| 2172-11 | 21726 | Marine Superintendent (Deck) |
| 2165-16 | 21658 | Marine Surveyor |
| 2919-10 | 24496 | Maritime Enforcement Officer, Grade X13 |
| 5419-02 | JPA | Maritime Enforcement Officers of Other Ranks, Grade X1 |
| 3719-03 | JPA | Maritime Enforcement Officers of Other Ranks, Grade X1 |
| 6211-08 | 62111 | Marker, Log |
| 7222-06 | 72224 | Marker, Metal |
| 7213-12 | 72136 | Marker, Sheet-Metal |
| 7214-05 | 72145 | Marker, Structural Metal |
| 7612-12 | 75229 | Marker, Woodworking |
| 2431-07 | New | Market Research Analyst |
| 2431-02 | 24312 | Market Research Business Analyst |
| 4312-07 | 43123 | Market Research Enumerator |
| 4226-01 | 42271 | Market Research Interviewer |
| 1221-05 | 12212 | Market Research Manager |
| 5211-02 | 52112 | Market Salesperson |
| 5211-10 | New | Market Stallholder |
| 5211-09 | New | Market Vendor |
| 3322-14 | 33227 | Marketing Executive |
| 1221-03 | 12211 | Marketing Manager |
| 2825-05 | 26354 | Marriage Counsellor |
| 2264-07 | 22642 | Mascular Therapist |
| 2264-05 | 22642 | Massage Therapist |
| 3255-05 | New | Massage Therapist |
| 2846-04 | 26561 | Master Of Ceremonies |
| 7317-02 | 73176 | Mat Weaver |
| 8131-07 | 81311 | Match Compounder, Chemical Processes |
| 0311-05 | New | Material Branch Officer |
| 9329-11 | New | Material Handler |
| 2141-27 | New | Material Specialist |
| 3119-26 | 31224 | Material Store Technician |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 4321-14 | 43211 | Material Storekeeper |
| 2149-19 | New | Materials Engineer |
| 3314-02 | 43128 | Mathematical Assistant |
| 2121-04 | 21201 | Mathematician |
| 2121-07 | 21201 | Mathematician, Actuarial Science |
| 2121-05 | 21201 | Mathematician, Applied Mathematics |
| 2121-06 | 21201 | Mathematician, Pure Mathematics |
| 2221-15 | 32211 | Matron |
| 5151-07 | 51517 | Matron (Housekeeping) |
| 1112-32 | 11113 | Mayor |
| 7511-05 | 75114 | Meat Curer |
| 7511-02 | 75112 | Meat Cutter |
| 7511-03 | 75116 | Meat Slicer |
| 7231-03 | New | Mechanic |
| 7421-05 | New | Mechanic, Electronic Instrument |
| 7233-04 | 72339 | Mechanic, Industrial Machinery |
| 7233-03 | 72339 | Mechanic, Machine Tool |
| 7233-05 | 72339 | Mechanic, Plant Maintenance |
| 2144-04 | 21441 | Mechanical Engineer |
| 2144-31 | 21737 | Mechanical Engineer, Aeronautics |
| 2144-30 | 21737 | Mechanical Engineer, Aerospace |
| 2144-28 | 21449 | Mechanical Engineer, Agriculture |
| 2144-17 | 21445 | Mechanical Engineer, Automotive |
| 2144-18 | 21445 | Mechanical Engineer, Diesel |
| 2144-20 | 21445 | Mechanical Engineer, Gas Turbine |
| 2144-07 | 21442 | Mechanical Engineer, Instruments |
| 2144-19 | 21445 | Mechanical Engineer, Motor and Engine |
| 2144-21 | 21712 | Mechanical Engineer, Naval |
| 2144-10 | 21443 | Mechanical Engineer, Nuclear Power |
| 3115-16 | 31151 | Mechanical Engineering Assistant |
| 3115-17 | 31151 | Mechanical Engineering Estimator |
| 3115-06 | 31151 | Mechanical Engineering Technician |
| 3115-11 | 31151 | Mechanical Engineering Technician, Agriculture |
| 3115-07 | 31151 | Mechanical Engineering Technician, Industrial Machinery and Tools |
| 3115-10 | 31151 | Mechanical Engineering Technician, Instruments |
| 3115-09 | 31151 | Mechanical Engineering Technician, Lubrication |
| 3115-08 | 31151 | Mechanical Engineering Technician, Motors and Engines |
| 3115-22 | 31156 | Mechanical Engineering Technician, Ship Construction |
| 2144-03 | 21441 | Mechanical Engineering Technologist |
| 2152-21 | 21526 | Mechatronics Engineer |
| 3115-26 | 31191 | Mechatronics Technician |
| 2432-12 | 24323 | Media Planner |
| 1612-09 | New | Medical Administrator |
| 3256-04 | 32531 | Medical Assistant |
| 3344-07 | New | Medical Billing Secretary |
| 2211-04 | 22111 | Medical Doctor |
| 2211-08 | 22129 | Medical Doctor, Anaesthesiology |
| 2211-10 | 22129 | Medical Doctor, Cardiology |
| 2211-09 | 22129 | Medical Doctor, Gynaecology |
| 2211-07 | 22129 | Medical Doctor, Insurance Consultancy |
| 2211-11 | 22129 | Medical Doctor, Neurology |
| 2211-12 | 22129 | Medical Doctor, Obstetrics |
| 2211-13 | 22129 | Medical Doctor, Ophthalmology |
| 2211-14 | 22129 | Medical Doctor, Psychiatry |
| 2211-15 | 22129 | Medical Doctor, Radiology |
| 5329-02 | New | Medical Imaging Assistant |
| 3344-06 | New | Medical Insurance Assistant |
| 3256-02 | 32531 | Medical Laboratory Assistant |
| 3212-14 | New | Medical Laboratory Technician |
| 2269-04 | 32124 | Medical Laboratory Technologist, Grade U29 |
| 2311-02 | 23106 | Medical Lecturer, Grade DU45 |
| 1612-06 | 13421 | Medical Manager (Medical Administration) |
| 3344-02 | New | Medical Office Administrative Assistant |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 2211-05 | 22111 | Medical Officer |
| 0111-01 | New | Medical Officer |
| 2211-01 | 22112 | Medical Officer, Grade UD41 |
| 2212-06 | 22123 | Medical Oncologist |
| 3631-11 | 34315 | Medical Photographer |
| 2211-06 | 22111 | Medical Practitioner |
| 3211-06 | New | Medical Radiation Therapist |
| 4224-02 | 42262 | Medical Receptionist |
| 3252-04 | New | Medical Record Analyst |
| 3252-06 | New | Medical Record Clerk |
| 3252-01 | 32521 | Medical Record Technician |
| 3341-07 | 33411 | Medical Record Unit Supervisor |
| 2264-01 | 22113 | Medical Rehabilitation Officer, Grade U41 |
| 3212-12 | 32122 | Medical Science Technician |
| 3344-01 | 33441 | Medical Secretary |
| 1612-01 | 13421 | Medical Service Director |
| 3344-05 | New | Medical Stenographer |
| 3212-01 | 32125 | Medical Technician, Grade U19 |
| 3344-09 | New | Medical Transcriptionist |
| 0221-10 | New | Member of Administration and Finance |
| 0131-14 | New | Member of Armed Forces Religious Corps |
| 0131-16 | New | Member of Border Regiment |
| 0221-08 | New | Member of Communications |
| 0221-17 | New | Member of Electrical and Radio Technicians |
| 0131-07 | New | Member of General Services Corps |
| 0221-07 | New | Member of Hydrography |
| 0221-11 | New | Member of Logistics Technicians |
| 0221-05 | New | Member of Naval Provost |
| 0221-12 | New | Member of Navy Cooks |
| 0221-13 | New | Member of Officers' Mess Personnel |
| 1111-05 | 11111 | Member of Parliament |
| 0221-09 | New | Member of Physical Trainers |
| 0221-16 | New | Member of Power and Ordinance Electrical Technicians |
| 0221-15 | New | Member of Propulsion Marine Technicians |
| 0131-03 | New | Member of Royal Armoured Corps |
| 0131-06 | New | Member of Royal Artillery Regiment |
| 0131-13 | New | Member of Royal Electrical and Mechanical Engineer Corps |
| 0131-05 | New | Member of Royal Engineer Regiment |
| 0131-10 | New | Member of Royal Intelligence Corps |
| 0131-11 | New | Member of Royal Logistics Corps |
| 0131-01 | New | Member of Royal Malay Regiment |
| 0131-08 | New | Member of Royal Medical Corps |
| 0131-09 | New | Member of Royal Military Police Corps |
| 0131-12 | New | Member of Royal Ordnance Corps |
| 0131-02 | New | Member of Royal Ranger Regiment |
| 0131-04 | New | Member of Royal Signals Regiment |
| 0221-03 | New | Member of Submarine Warfare (Control) |
| 0221-02 | New | Member of Submarine Warfare (Sonar) |
| 0221-01 | New | Member of Surface Warfare |
| 0131-15 | New | Member of Territorial Army Regiment |
| 0221-14 | New | Member of the Brass Band |
| 1111-14 | New | Member of the Senate |
| 1111-08 | 11112 | Member of the State Legislative Assembly |
| 0221-04 | New | Member of Warfare Tactical Plotters |
| 3611-24 | New | Mental Health Worker |
| 1111-11 | New | Menteri Besar |
| 9621-19 | New | Messenger |
| 9621-07 | 96211 | Messenger, Courier |
| 7224-10 | 72248 | Metal Finisher |
| 7224-01 | 72241 | Metal Grinder |
| 2146-02 | 21462 | Metal Mining Engineer |
| 7224-09 | 72247 | Metal Polisher |
| 3135-03 | New | Metal Processing Control Operator |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 8221-46 | 82211 | Metal Roller and Engraver -Printing Machine |
| 2146-08 | 21465 | Metal Testing Engineer |
| 7319-03 | New | Metal Toymaker |
| 7223-01 | 72231 | Metal Working Machine Adjuster |
| 7223-02 | 72231 | Metal Working Machine Operator |
| 7223-03 | 72231 | Metal Working Machine Setter |
| 3117-05 | 31171 | Metallurgical Laboratory Assistant |
| 3117-02 | 31171 | Metallurgical Technician |
| 2146-09 | New | Metallurgist |
| 2146-11 | 21462 | Metallurgist, Assayer |
| 2146-12 | 21465 | Metallurgist, Extractive |
| 2146-13 | 21465 | Metallurgist, Foundry |
| 2146-14 | 21466 | Metallurgist, Physics |
| 2146-10 | 21462 | Metallurgist, Radioactive Minerals |
| 3117-06 | 31172 | Metallurgy Assay Technician |
| 7312-07 | 73125 | Metal-Wind Instrument Maker |
| 3111-17 | 31115 | Meteorological Assistant |
| 3111-03 | 31115 | Meteorological Assistant, Grade C17 |
| 3111-28 | New | Meteorological Inspector |
| 7311-11 | 73117 | Meteorological Instrument Maker |
| 2112-01 | 21124 | Meteorological Officer, Grade C41 |
| 3111-16 | 31115 | Meteorological Technician |
| 2112-03 | 21121 | Meteorologist |
| 2112-11 | 21127 | Meteorologist, Environmental |
| 2112-10 | 21126 | Meteorologist, Marine |
| 2112-12 | 21128 | Meteorologist, Numerical Weather Prediction |
| 2112-05 | 21122 | Meteorologist-Climatology |
| 2112-06 | 21123 | Meteorologist-Weather Forecasting |
| 9623-01 | 96231 | Meter Reader |
| 3119-08 | 31191 | Method Engineering Technician |
| 2131-04 | 21316 | Microbiologist |
| 2512-12 | New | Microfocus Cobol Developer |
| 2114-35 | 21149 | Micropalaeontologist |
| 3631-09 | 34314 | Microphotographer |
| 3631-10 | 34315 | Microphotography Photographer |
| 2144-35 | New | Microprogramming Engineer |
| 3222-03 | New | Midwifery Assistant |
| 2361-03 | New | Migrant Education Teacher |
| 6121-11 | 61299 | Milker |
| 8141-15 | New | Mill, Rubber |
| 8161-83 | New | Miller Operator |
| 8161-24 | 81603 | Miller, Grain |
| 8161-25 | 81605 | Miller, Oil Seed |
| 8161-26 | 81605 | Miller, Palm Oil |
| 8161-28 | 81603 | Miller, Rice |
| 8161-29 | 81603 | Miller, Spice |
| 8161-30 | 81603 | Miller, Tapioca |
| 7621-04 | 75312 | Milliner |
| 8161-21 | 81603 | Milling Assistant |
| 2845-05 | New | Mime Artist |
| 2847-05 | 26574 | Mimic |
| 3257-37 | New | Mine Examiner |
| 3257-36 | New | Mine Safety Inspector |
| 3121-01 | 31211 | Mine Supervisor |
| 2165-09 | 21653 | Mine Surveyor |
| 8111-01 | 81111 | Miner |
| 2114-02 | 21811 | Mineral Officer, Grade C41 |
| 2114-10 | 21143 | Mineralogist |
| 3117-01 | 31176 | Mines Assistant, Grade C17 |
| 3117-20 | New | Mines Inspector |
| 3117-12 | 31173 | Mining Assistant |
| 2146-01 | 21461 | Mining Engineer |
| 3117-11 | 31173 | Mining Engineering Technician |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 2181-01 | 21812 | Mining Executive |
| 7233-10 | New | Mining Machinery Fitter |
| 7233-02 | 72334 | Mining Machinery Mechanic |
| 7233-11 | New | Mining Machinery Repairer |
| 1322-05 | 13222 | Mining Manager |
| 8111-11 | New | Mining Plant Operator |
| 1111-03 | 11112 | Minister |
| 6114-02 | New | Mixed Crop Farmer |
| 6114-01 | 61141 | Mixed Crop Grower |
| 6131-01 | 61301 | Mixed Product Farmer (Crops and Husbandry) |
| 2511-62 | New | Mixed Signal Integrated Circuit (IC) Designer (IT) |
| 8181-27 | 81849 | Mixer, Clay |
| 8181-32 | 81849 | Mixer, Glass |
| 8161-22 | 81603 | Mixer, Spice |
| 7314-03 | 73143 | Modeller, Pottery and Porcelain |
| 2353-01 | 23531 | Modelling Teacher |
| 5163-04 | New | Moirologist |
| 4211-04 | 42114 | Money Changer |
| 9623-02 | 96232 | Money Collector, Vending Machine |
| 4213-02 | 42132 | Money-Lender |
| 3612-02 | 34131 | Monk |
| 2145-26 | New | Moringa Specialist |
| 4312-29 | 43115 | Mortgage Clerk |
| 3312-01 | 33121 | Mortgage Officer |
| 5153-07 | 51534 | Mosque Caretaker |
| 1411-04 | 14111 | Motel Manager |
| 2152-30 | New | Motherboard Designer |
| 3521-05 | 35211 | Motion Picture Assistant |
| 2844-05 | 26541 | Motion Picture Director |
| 2844-06 | 26541 | Motion Picture Photography Director |
| 3632-18 | 34325 | Motion Picture Set Decorator |
| 8331-03 | 83314 | Motor Coach Driver |
| 2144-22 | 21445 | Motor Engineer |
| 7231-19 | New | Motor Vehicle Engine and Fuel System Mechanic |
| 3154-02 | New | Motor Vehicle Engine and Fuel System Technician |
| 3119-05 | 32577 | Motor Vehicle Examiner, Grade A17 |
| 7231-06 | 72314 | Motor Vehicle Mechanic |
| 7231-20 | New | Motor Vehicle Mechatronics Mechanic |
| 3154-03 | New | Motor Vehicle Mechatronics Technician |
| 7231-21 | New | Motor Vehicle Repairer |
| 3154-01 | New | Motor Vehicle Technician |
| 2144-26 | 21445 | Motor-Car Design Engineer |
| 7231-05 | 72313 | Motorcycle Mechanic |
| 8321-01 | 83211 | Motorcyclist |
| 7211-02 | 72111 | Mould Maker |
| 7211-03 | 72111 | Mould Repairer, Foundry |
| 7211-10 | New | Moulder |
| 7211-05 | 72111 | Moulder, Metal |
| 7211-06 | 72111 | Moulder, Pit Foundry |
| 8142-11 | New | Moulder, Plastic |
| 8141-14 | New | Moulder, Rubber |
| 2826-04 | 26362 | Muffi |
| 7323-10 | New | Multibinder Operator |
| 2166-25 | New | Multimedia Artist |
| 2166-12 | New | Multimedia Designer |
| 2844-04 | New | Multimedia Producer |
| 2514-29 | 25146 | Multimedia Programmer |
| 2512-02 | 25121 | Multi-Media Software Developer |
| 2411-19 | 24116 | Municipal Accountant |
| 3633-03 | 44198 | Museum Assistant, Grade S17 |
| 2811-07 | 26212 | Museum Curator |
| 5414-16 | New | Museum Guard |
| 5113-04 | 51132 | Museum Guide |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 1624-02 | New | Museum Manager |
| 3633-07 | New | Museum Technician |
| 6113-05 | 61132 | Mushroom Cultivator |
| 2842-11 | 26522 | Music Arranger |
| 2842-10 | 26522 | Music Composer |
| 2842-16 | New | Music Conductor |
| 2842-09 | 26522 | Music Director |
| 2351-01 | 23511 | Music Teacher |
| 7312-01 | New | Musical Instrument Maker |
| 7312-02 | 73121 | Musical Instrument Tuner |
| 3339-03 | 33392 | Musical Performance Agent |
| 2842-06 | 26522 | Musician |
| 3634-01 | 34351 | Musician, Grade B17 |
| 2842-01 | 26525 | Musician, Grade B41 |
| 2842-02 | 26521 | Musicologist |
| 2131-31 | 21312 | Mycologist |
| N | | |
| 5311-03 | 53115 | Nanny |
| 1113-06 | 11133 | Native Chief |
| 2146-07 | New | Natural Gas Mining Engineer |
| 2146-20 | 21452 | Natural Gas Production and Distribution Engineer |
| 2231-05 | 32307 | Naturopath |
| 7311-12 | 73118 | Nautical Instrument Maker |
| 2171-05 | 21714 | Naval Architect |
| 0311-02 | New | Navigation Branch Officer |
| 2514-30 | New | Navision Analyst Programmer |
| 2512-21 | New | Navision Developer (IT) |
| 2512-22 | New | Net Sharepoint Developer (IT) |
| 2522-25 | 25232 | NetApps Administrator |
| 2523-03 | 25234 | Network Administrator |
| 2523-01 | 25231 | Network Analyst |
| 2522-10 | 25221 | Network Communications Executive |
| 2523-05 | New | Network Engineer |
| 2523-04 | 25235 | Network Infrastructure Administrator |
| 1511-14 | New | Network Manager |
| 2514-13 | New | Network Programmer |
| 2523-02 | 25233 | Network Service Consultant |
| 3513-02 | 35132 | Network Support Technician |
| 2523-06 | New | Network System Engineer |
| 2212-11 | 22128 | Neurologist |
| 2134-21 | 21347 | Neuropathologist |
| 1113-11 | New | New Village Head |
| 2846-11 | New | News Anchor |
| 3631-06 | 34313 | News Photographer |
| 2832-05 | 26421 | News Reporter |
| 5221-03 | New | Newsagent |
| 2846-06 | 26562 | Newscaster |
| 9621-11 | 96214 | Newspaper Deliverer |
| 2832-11 | New | Newspaper Editor |
| 2832-12 | New | Newspaper Reporter |
| 9521-01 | 95201 | Newspaper Vendor |
| 2113-40 | New | Nickel Plating Specialist |
| 2146-04 | 21463 | Non-Metal Mining Engineer |
| 7512-06 | 75127 | Noodle Maker |
| 2619-01 | 26191 | Notary |
| 9621-04 | 44126 | Notice Boy, Grade N3 |
| 2831-03 | 26411 | Novelist |
| 3211-07 | New | Nuclear Medicine Technologist |
| 2144-09 | 21443 | Nuclear Power Engineer |
| 3131-09 | New | Nuclear Power Plant Operator |
| 3161-01 | New | Nuclear Technician |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 5161-04 | 51614 | Numerologist |
| 3612-03 | 34132 | Nun |
| 2221-12 | 32211 | Nurse |
| 2221-14 | 32211 | Nurse (Public Health) |
| 2221-06 | New | Nurse Anaesthetist |
| 2221-07 | New | Nurse Educator |
| 2221-11 | 32211 | Nurse Instructor |
| 2221-08 | New | Nurse Practitioner |
| 3221-01 | 32214 | Nurse, Grade U29 |
| 2221-01 | 22212 | Nurse, Grade U41 |
| 5321-09 | New | Nursing Aide (Clinic Or Hospital) |
| 5322-03 | New | Nursing Aide (Home) |
| 5321-03 | 53211 | Nursing Assistant |
| 3257-33 | New | Nursing Home Inspector |
| 5321-04 | 53211 | Nursing Medical Assistant |
| 8161-54 | 81605 | Nut Roaster |
| 2265-06 | 22652 | Nutritionist |
| O | | |
| 2212-13 | 22129 | Obstetrician and Gynaecologist |
| 2212-14 | 22129 | Obstetrician and Gynaecologist, Fertility |
| 2212-16 | 22129 | Obstetrician and Gynaecologist, Foetomaternal Medicine |
| 2212-15 | 22129 | Obstetrician and Gynaecologist, Oncology |
| 2423-05 | 24232 | Occupational Analyst |
| 2423-08 | 24233 | Occupational Guidance Officer |
| 3257-08 | New | Occupational Health Inspector |
| 2221-21 | 32213 | Occupational Health Nurse |
| 2263-16 | New | Occupational Health Officer |
| 3257-09 | New | Occupational Health Supervisor |
| 3257-06 | New | Occupational Hygiene Inspector |
| 3257-10 | New | Occupational Hygiene Inspector |
| 3257-11 | New | Occupational Hygiene Technician |
| 2263-17 | New | Occupational Hygiene Technologist |
| 2263-21 | New | Occupational Hygienist |
| 2263-20 | New | Occupational Safety and Health Adviser |
| 3257-05 | 32571 | Occupational Safety and Health Inspector |
| 1212-04 | 12123 | Occupational Safety and Health Manager |
| 2263-06 | 22631 | Occupational Safety and Health Officer |
| 2263-15 | New | Occupational Safety and Health Officer |
| 3257-07 | New | Occupational Safety Inspector |
| 1212-07 | 14351 | Occupational Safety Manager |
| 2263-18 | New | Occupational Safety Officer |
| 2268-01 | 22681 | Occupational Therapist |
| 2114-18 | 21145 | Oceanographer |
| 3111-22 | 31119 | Oceanography Technician |
| 9622-04 | 96221 | Odd-Job Person |
| 9621-09 | 96213 | Office Boy |
| 4311-25 | 43117 | Office Cash Clerk |
| 4111-16 | 41101 | Office Chief |
| 3343-09 | 33431 | Office Chief Secretary |
| 4111-10 | 41101 | Office Clerk |
| 5414-12 | 54146 | Office Guard |
| 4121-03 | JPA | Office Secretarial Assistant /Office Secretary, Grade N17 |
| 4121-02 | New | Office Secretarial Assistant, Grade N17 |
| 4121-01 | 41206 | Office Secretary, Grade N27 |
| 3611-09 | 34121 | Officer, Family Planning |
| 4323-23 | 43235 | Officer, Ferry |
| 2172-09 | 21724 | Officer, Ship dan Deck |
| 3111-29 | New | Officer-in-charge, Weather station |
| 2619-06 | 26195 | Official Assignee |
| 7321-01 | 81322 | Offset Camera / Plate Maker Operator, Grade N17 |
| 3322-27 | New | Offshore Sales Executive |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 1322-04 | New | Oil and Gas Extraction Manager |
| 3117-15 | 31174 | Oil and Gas Well Acidiser |
| 3117-13 | 31174 | Oil and Gas Well Explosive Technician |
| 7514-07 | New | Oil Expeller |
| 3116-04 | 31162 | Oil Technologist |
| 7233-06 | 72339 | Oiler and Greaser |
| 3142-09 | 31424 | Olericulture Technician |
| 2133-07 | 21333 | Olericulturist |
| 2425-19 | 24254 | Operation Executive |
| 1323-04 | 13233 | Operation Manager |
| 1615-05 | 13451 | Operation Manager, Education |
| 1612-05 | 13421 | Operation Manager, Health |
| 2421-05 | 24211 | Operation Research Analyst |
| 3123-01 | 31231 | Operation Supervisor |
| 2221-16 | 32212 | Operation Theatre Nurse |
| 1121-23 | New | Operations Manager |
| 3111-30 | New | Operations Technician, Weather Station |
| 8132-11 | 81325 | Operator, Audio-Visual Aids |
| 8172-15 | 81728 | Operator, Auto-Clipper |
| 8342-01 | 83421 | Operator, Backhoe |
| 8342-10 | 83426 | Operator, Backhoe Dredger |
| 8171-05 | 81715 | Operator, Bleach Machine |
| 3134-15 | New | Operator, Blender/Petroleum and Natural Gas Refining (ethyl) |
| 8221-22 | 82211 | Operator, Boiler Production Machine |
| 8342-04 | 83424 | Operator, Bulldozer |
| 8343-06 | 83435 | Operator, Cable Car |
| 8113-02 | 81131 | Operator, Cable Drilling Equipment |
| 8221-04 | 82211 | Operator, Cable Production Machine |
| 8183-01 | 81831 | Operator, Carton |
| 8131-27 | 81314 | Operator, Chemical Process Coverter (Except Petroleum and Natural Gas) |
| 8221-23 | 82211 | Operator, Clock Production Machine |
| 8221-28 | 82211 | Operator, Commutator Production Machine |
| 8311-05 | 83112 | Operator, Commuter |
| 8221-38 | 82211 | Operator, Core-Blowing Machine |
| 8343-02 | 83431 | Operator, Crane |
| 8161-17 | 81602 | Operator, Dairy Product Sterilising |
| 8132-21 | New | Operator, Darkroom |
| 8342-14 | 83429 | Operator, Dragline |
| 8113-01 | 81131 | Operator, Drilling Equipment |
| 8342-12 | 83428 | Operator, Drilling Plant |
| 8221-17 | 82211 | Operator, Electric Wiring Machine |
| 8132-15 | 81327 | Operator, Film-Recorder |
| 8344-01 | 83441 | Operator, Forklift Truck |
| 8161-53 | 81605 | Operator, Fractionation Plant |
| 8181-18 | 81848 | Operator, Glass Sandblasting Equipment |
| 8341-05 | 83414 | Operator, Harvester |
| 8343-03 | 83432 | Operator, Hoist |
| 8344-02 | 83442 | Operator, Industrial Truck |
| 8221-27 | 82211 | Operator, Jewellery Production Machine |
| 8344-03 | 83443 | Operator, Lifting Truck |
| 8311-07 | 83112 | Operator, Light Rail Transit |
| 6211-14 | 62113 | Operator, Log-Grapple |
| 8112-06 | 81123 | Operator, Magnetic Separator |
| 8161-70 | 81607 | Operator, Malting Germination Equipment |
| 8161-52 | 81605 | Operator, Margarine Plant |
| 8343-05 | 83434 | Operator, Material Handling Lift |
| 8221-09 | 82211 | Operator, Metal Bending Machine |
| 8221-11 | 82211 | Operator, Metal Buffing Machine |
| 8221-32 | 82211 | Operator, Metal Burnishing Machine |
| 8221-12 | 82211 | Operator, Metal Coremaking Machine |
| 8221-15 | 82211 | Operator, Metal Cutting Machine |
| 8221-36 | 82211 | Operator, Metal Engraving Machine |
| 8221-33 | 82211 | Operator, Metal Etching Machine |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 8221-05 | 82211 | Operator, Metal Except Forging Press-Machine |
| 8221-14 | 82211 | Operator, Metal Flamecutting Machine |
| 8221-18 | 82211 | Operator, Metal Forging Machine |
| 8221-01 | 82211 | Operator, Metal Forming Machine |
| 8221-35 | 82211 | Operator, Metal Grinding Machine |
| 8221-37 | 82211 | Operator, Metal Lapping Machine |
| 8221-43 | 82211 | Operator, Metal Minting Machine |
| 8221-13 | 82211 | Operator, Metal Moulding Machine |
| 8221-24 | 82211 | Operator, Metal Nut Production Machine |
| 8221-42 | 82211 | Operator, Metal Products Machine |
| 8221-06 | 82211 | Operator, Metal Punching Press-Machine |
| 8221-10 | 82211 | Operator, Metal Reaming Machine |
| 8221-19 | 82211 | Operator, Metal Referring Machine |
| 8221-16 | 82211 | Operator, Metal Sharpening Machine |
| 8221-40 | 82211 | Operator, Metal Shearing Machine |
| 8221-08 | 82211 | Operator, Metal Spinning Machine |
| 8221-39 | 82211 | Operator, Metal Sports Equipment Machine |
| 8221-07 | 82211 | Operator, Metal Stamping Press-Machine |
| 8221-20 | 82211 | Operator, Metal Toy Production Machine |
| 8221-34 | 82211 | Operator, Metal Welding Machine |
| 8121-18 | 81215 | Operator, Mill Table |
| 8343-08 | New | Operator, Mobile Crane |
| 8311-06 | 83112 | Operator, Mono-Rail |
| 8132-14 | 81327 | Operator, Motion Picture Camera |
| 8341-01 | 83411 | Operator, Motorised Farm Equipment |
| 8122-14 | 81228 | Operator, Moulding |
| 8221-26 | 82211 | Operator, Nail Production Machine |
| 8221-03 | 82211 | Operator, Needle Production Machine |
| 7422-12 | 74217 | Operator, Network |
| 8121-17 | 81214 | Operator, Non-Ferrous Metal Rolling Mill |
| 8113-04 | 81132 | Operator, Oil and Gas Well Derrick |
| 8113-05 | 81132 | Operator, Oil and Gas Well Pulling Equipment |
| 8183-02 | 81832 | Operator, Packing |
| 8171-12 | 81718 | Operator, Paper-Pulp Plant |
| 8132-20 | New | Operator, Photography |
| 8342-03 | 83423 | Operator, Piling-Driver |
| 8221-25 | 82211 | Operator, Pipe Production Machine |
| 8171-03 | 81713 | Operator, Pulp Beater |
| 8171-01 | 81711 | Operator, Pulp Digester |
| 8132-17 | 81327 | Operator, Radio and Television Studio Equipment |
| 8181-04 | 81841 | Operator, Retort |
| 8221-30 | 82211 | Operator, Rivet Production Machine |
| 8221-41 | 82211 | Operator, Riveting Machine |
| 8342-08 | 83425 | Operator, Road Grader and Scraper |
| 8342-06 | 83425 | Operator, Road Making Machine |
| 8189-09 | 82196 | Operator, Road Marking Equipment |
| 8342-07 | 83425 | Operator, Road Roller |
| 8173-06 | 81735 | Operator, Sander |
| 8172-01 | 81721 | Operator, Sawmill |
| 7621-08 | 75314 | Operator, Sewing |
| 8132-12 | 81327 | Operator, Sound and Image Recording Equipment |
| 8161-67 | 81607 | Operator, Spirit Fermentation Equipment |
| 8182-05 | 81822 | Operator, Steam Boiler Plant |
| 8182-06 | 81823 | Operator, Steam Engine |
| 8121-31 | 81218 | Operator, Steel Fabricator |
| 8131-29 | 81314 | Operator, Still Batch (Chemical Processes Except Petroleum and Natural Gas) |
| 8131-30 | 81314 | Operator, Still Chemical Processes |
| 8131-31 | 81314 | Operator, Still Continuous (Chemical Processes Except Petroleum and Natural Gas) |
| 8131-32 | 81314 | Operator, Still Turpentine |
| 3134-16 | New | Operator, Still/Petroleum and Natural Gas Refining |
| 9333-14 | 93352 | Operator, Store |
| 8161-59 | 81606 | Operator, Sugar Processing and Refining |
| 8161-69 | 81607 | Operator, Syrup-Mixing Plant |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 8172-17 | 92154 | Operator, Tacky Timber |
| 8342-13 | 83429 | Operator, Tamping Construction Machinery |
| 8132-18 | 81327 | Operator, Telecine |
| 8132-13 | 81327 | Operator, Television Camera |
| 8154-07 | 81547 | Operator, Textile Calender |
| 8221-29 | 82211 | Operator, Tool Production Machine |
| 8343-07 | New | Operator, Tower Crane |
| 8342-11 | 83427 | Operator, Tunnelling Construction Machinery |
| 8172-14 | 81727 | Operator, Veneer Dryer |
| 8132-16 | 81327 | Operator, Video Tape-Recorder |
| 8221-02 | 82211 | Operator, Watch Production Machine |
| 8113-03 | 81131 | Operator, Well Drilling Equipment |
| 8343-04 | 83433 | Operator, Winch |
| 8221-21 | 82211 | Operator, Wire Goods Production Machine |
| 7422-13 | 74217 | Operator, Wireless Equipment |
| 7613-02 | 75232 | Operator, Wood Machine |
| 6211-13 | 62113 | Operator, Yarder |
| 8221-31 | 82211 | Operator, Zip Production Machine |
| 3256-15 | New | Ophthalmic Assistant |
| 2267-04 | 22672 | Ophthalmic Optician |
| 2212-09 | 22125 | Ophthalmologist |
| 4312-06 | 43123 | Opinion Polling Enumerator |
| 2149-20 | New | Optical Engineer |
| 7315-05 | 73154 | Optical Glass Cutter |
| 7311-08 | 73115 | Optical Instrument Maker |
| 7311-16 | 73115 | Optical Instrument Repairer |
| 7639-03 | New | Optical Lens Finisher |
| 7639-04 | New | Optical Lens Moulder |
| 2267-03 | 22672 | Optician |
| 3254-01 | 32541 | Optician, Contact Lens Dispensing |
| 2267-02 | 22671 | Optometrist |
| 2267-01 | 22673 | Optometry Officer, Gred U41 |
| 2511-38 | New | Oracle Applications Administrator |
| 2511-43 | New | Oracle Consultant |
| 2511-16 | New | Oracle Database Analyst |
| 2521-07 | New | Oracle Database Engineer |
| 2521-08 | New | Oracle Database Specialist |
| 2511-39 | New | Oracle E-Business Suite Consultant |
| 2511-40 | New | Oracle Financials Support Specialist |
| 2511-41 | New | Oracle Functional Consultant |
| 2261-19 | New | Oral and Maxillofacial Surgeon |
| 2261-14 | 22616 | Oral Dentistry Surgeon |
| 2261-20 | New | Oral Pathologist |
| 1113-16 | New | <i>Orang Besar Berempat</i> |
| 1113-18 | New | <i>Orang Besar Berenam Belas</i> |
| 1113-17 | New | <i>Orang Besar Berlapan</i> |
| 1113-19 | New | <i>Orang Besar Bertiga Puluh Dua</i> |
| 2842-13 | 26523 | Orchestra Conductor |
| 2842-07 | 26522 | Orchestrator |
| 8351-18 | New | Ordinary Seaman |
| 2421-03 | 24211 | Organisation and Method Analyst |
| 2141-08 | 21413 | Organisation and Methods Engineer |
| 2824-08 | New | Organisational Psychologist |
| 2269-05 | 22662 | Orientation Therapist for the Blind |
| 3632-17 | 34324 | Ornamental Metalwork Designer |
| 2131-36 | 21313 | Ornithologist |
| 2261-08 | 22613 | Orthodontist |
| 2266-03 | 22663 | Orthoepist |
| 7311-06 | 73113 | Orthopaedic Appliance Maker |
| 7311-14 | 73113 | Orthopaedic Appliance Repairer |
| 2221-18 | 32212 | Orthopaedic Nurse |
| 2264-13 | New | Orthopaedic Physical Therapist |
| 3215-01 | 32152 | Orthopaedic Technician |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|------------------------------------|
| 2212-34 | 22129 | Orthopaedist |
| 2266-04 | 22663 | Orthophonist |
| 2267-05 | 22672 | Orthoptist |
| 3214-03 | New | Orthotic Technician |
| 3214-04 | New | Orthotist |
| 3259-02 | 22129 | Osteopath |
| 6122-07 | New | Ostrich Farmer |
| 2212-35 | 22129 | Otolaryngologist |
| 5244-03 | New | Outbound Contact Centre Consultant |
| 3623-06 | 34238 | Outdoor Adventure Guide |
| 1221-10 | 12214 | Outlet Manager |
| 5131-05 | 51314 | Outlet Supervisor |
| 8122-13 | 81227 | Oxidiser |
| 3134-08 | 31344 | Oxygen Plant Operator |
| 6221-14 | New | Oyster Farmer |
| P | | |
| 2141-25 | New | Package Design Engineer |
| 2163-09 | 34324 | Packaging Designer |
| 3122-04 | 31222 | Packaging Supervisor |
| 2141-18 | 21416 | Packaging Technologist |
| 8183-03 | 81833 | Packer |
| 9321-01 | 93211 | Packer (Hand) |
| 2221-19 | 32212 | Paediatric Nurse |
| 2264-12 | New | Paediatric Physical Therapist |
| 2212-36 | 22129 | Paediatrician |
| 2212-39 | 22129 | Paediatrician, Cardiology |
| 2212-37 | 22129 | Paediatrician, Gastroenterology |
| 2212-38 | 22129 | Paediatrician, Haematology |
| 2212-40 | 22129 | Paediatrician, Nephrology |
| 2212-41 | 22129 | Paediatrician, Neurology |
| 2212-42 | 22129 | Paediatrician, Oncology |
| 2212-43 | 22129 | Paediatrician, Respiratory |
| 2261-06 | 22612 | Paedodontist |
| 2841-07 | 26515 | Paint Artist |
| 2145-09 | 21453 | Paint Engineer |
| 2145-08 | 21453 | Paint Technologist |
| 7131-02 | New | Painter |
| 7131-05 | 71311 | Painter, Building |
| 7131-04 | 73162 | Painter, Ceramics |
| 7131-03 | 73162 | Painter, Glass |
| 7131-08 | 71323 | Painter, Manufactured Articles |
| 7131-09 | 71324 | Painter, Metal |
| 7131-11 | 71328 | Painter, Ship Hull |
| 7131-06 | 71312 | Painter, Steel Structure |
| 2841-03 | 26514 | Painting Restorer |
| 2352-03 | New | Painting Teacher |
| 2114-33 | 21149 | Palaeontologist |
| 2113-32 | New | Paleo & Biotratigrapher |
| 5161-02 | 51612 | Palmist |
| 7213-11 | 72135 | Panel Beater, Aircraft |
| 7213-10 | 72135 | Panel Beater, Vehicle |
| 9412-05 | New | Pantry Attendant |
| 7323-02 | 73232 | Paper Cutter |
| 3139-08 | New | Paper Pulp Refinery Operator |
| 2145-21 | 21458 | Paper Technologist |
| 8143-08 | New | Papier Mache Moulder |
| 3134-09 | 31345 | Paraffin Plant Operator |
| 3411-08 | New | Paralegal |
| 2241-01 | 22401 | Paramedic |
| 2131-37 | 21313 | Parasitologist |
| 3212-13 | 32123 | Parasitology Assistant |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 1311-01 | 14315 | Park / Estate Manager, Grade G48 |
| 1621-04 | 14313 | Park Manager |
| 5419-04 | 54192 | Park Warden, Animal Recreation |
| 3142-03 | 54193 | Park/Estate Assistant, Grade G17 |
| 2619-11 | 26198 | Parliamentary Drafter |
| 2825-10 | New | Parole Officer |
| 3611-07 | 34121 | Parole Officer, Associate Professional |
| 7122-04 | 71223 | Parquetry Worker |
| 5112-07 | 51123 | Passenger Guard, Train |
| 3711-04 | 33512 | Passport Checking Officer |
| 3714-05 | 33541 | Passport Issuing Assistant |
| 2914-06 | 33541 | Passport Issuing Officer |
| 7512-07 | New | Pasta Maker |
| 7512-02 | 75123 | Pastry Baker |
| 3641-11 | 34343 | Pastry Chef |
| 2431-06 | 24222 | Patent Agent |
| 2426-04 | 24495 | Patent Inspector, Grade Q41 |
| 2134-22 | 21347 | Pathologist |
| 2134-24 | 21347 | Pathologist, Animal |
| 2134-26 | 21347 | Pathologist, Clinical |
| 2134-23 | 21347 | Pathologist, Forensic |
| 2134-25 | 21347 | Pathologist, Histopathology |
| 2134-29 | 21347 | Pathologist, Medical |
| 2134-27 | 21347 | Pathologist, Neuropathology |
| 2134-30 | 21347 | Pathologist, Plant |
| 2134-28 | 21347 | Pathologist, Surgical |
| 2134-31 | 21347 | Pathologist, Veterinary |
| 3344-08 | New | Pathology Secretary |
| 3212-11 | 32122 | Pathology Technician |
| 5321-10 | New | Patient Care Assistant |
| 3344-04 | New | Patient Care Secretary |
| 7622-16 | New | Pattern-Maker, Fur |
| 7622-01 | 75321 | Pattern-Maker, Garment |
| 7622-14 | 75326 | Pattern-Maker, Gloves |
| 7622-02 | 75322 | Pattern-Maker, Hat and Cap |
| 7622-15 | 75326 | Pattern-Maker, Mattress |
| 7222-04 | 72222 | Pattern-Maker, Metal Foundry |
| 7622-10 | 75326 | Pattern-Maker, Paper |
| 7622-12 | 75326 | Pattern-Maker, Sail |
| 7623-06 | 75334 | Pattern-Maker, Shoe |
| 7622-11 | 75326 | Pattern-Maker, Tent |
| 7622-13 | 75326 | Pattern-Maker, Umbrella |
| 7612-13 | 75229 | Pattern-Maker, Wood Patterns |
| 7112-04 | 71125 | Paviour |
| 4213-01 | 42131 | Pawnbroker |
| 4313-03 | 43132 | Paymaster |
| 4214-01 | 42141 | Payment Collector |
| 4132-09 | New | Payment Entry Clerk |
| 2411-42 | New | Payroll Analyst |
| 4313-01 | 43131 | Payroll Clerk |
| 2411-43 | New | Payroll Executive |
| 4313-04 | New | Payroll Processor |
| 6221-15 | New | Pearl Cultivator |
| 6221-03 | 62211 | Pearl Culturist |
| 9331-02 | 93311 | Pedal Vehicle Driver |
| 5142-05 | 51424 | Pedicurist |
| 9521-02 | 95202 | Pedlar |
| 9216-05 | 92161 | Peeler, Anchovy |
| 9211-17 | New | Peeler, Coconut |
| 6211-20 | 62113 | Peeler, Log |
| 9211-20 | New | Peeler, Nuts |
| 9211-19 | New | Peeler, Pineapple |
| 9211-18 | New | Peeler, Potato |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 7625-01 | 75351 | Pelt Dresser |
| 1113-03 | 11131 | Penggawa |
| 2822-07 | 26325 | Penologist |
| 3713-03 | New | Pension Assistant |
| 2913-03 | New | Pensions Officer |
| 2511-44 | New | Peoplesoft Consultant (IT) |
| 2511-45 | New | Peoplesoft Financials Functional Consultant |
| 7234-05 | New | Perambulator Repairer |
| 7323-11 | New | Perfect Binding Operator |
| 2261-12 | 22615 | Periodontist |
| 2175-03 | 21752 | Permanent-Way Inspector (Railways) |
| 3343-04 | 41202 | Personal Assistant |
| 5322-04 | New | Personal Care Provider |
| 1622-01 | 14322 | Personal Care Service Manager |
| 2152-34 | New | Personal Computer (PC) Motherboard Designer |
| 3512-02 | 35121 | Personal Computer Support Technician |
| 3623-08 | New | Personal Trainer |
| 4416-06 | 44167 | Personnel Assistant |
| 3341-08 | 33412 | Personnel Clerk Supervisor |
| 2423-11 | 24234 | Personnel Consultant |
| 1212-05 | New | Personnel Manager |
| 2423-02 | 24231 | Personnel Officer |
| 2423-01 | 24231 | Personnel Safety Officer |
| 1113-14 | New | Perut |
| 7634-01 | 75441 | Pest Controller |
| 4414-01 | 44141 | Petition Writer |
| 5245-01 | 52451 | Petrol Pump Attendant |
| 3116-08 | 31163 | Petroleum and Natural Gas Analyst |
| 2146-17 | New | Petroleum and Natural Gas Engineer |
| 3117-14 | 31174 | Petroleum and Natural Gas Extraction Assistant |
| 3117-04 | 31174 | Petroleum and Natural Gas Extraction Technician |
| 3134-12 | 31348 | Petroleum and Natural Gas Pumping Station Operator |
| 3134-11 | 31347 | Petroleum and Natural Gas Refining Treater Operator |
| 2146-18 | 21452 | Petroleum Engineer |
| 3116-03 | 31162 | Petroleum Engineering Technician |
| 2146-06 | 21464 | Petroleum Mining Engineer |
| 3134-18 | New | Petroleum Process Operator |
| 3134-10 | 31346 | Petroleum Refining Blender |
| 3116-07 | 31162 | Petroleum Refining Laboratory Assistant |
| 3116-06 | 31162 | Petroleum Refining Technician |
| 2114-14 | 21144 | Petrologist |
| 2113-36 | New | Petrophysicist |
| 7313-04 | 73131 | Pewtersmith |
| 3213-01 | 32131 | Pharmaceutical Assistant |
| 3213-02 | 32132 | Pharmaceutical Laboratory Assistant |
| 3213-03 | New | Pharmaceutical Technician |
| 2262-03 | 22621 | Pharmacist |
| 2134-16 | 21346 | Pharmacologist |
| 2134-17 | 21346 | Pharmacologist, Toxicology |
| 2134-18 | 21346 | Pharmacologist, Veterinary |
| 3141-16 | 32121 | Pharmacology Technician |
| 3213-04 | New | Pharmacy Aide |
| 0111-03 | New | Pharmacy Officer |
| 2262-01 | 22625 | Pharmacy Officer, Grade U41 |
| 2833-05 | 26433 | Philologist |
| 2823-01 | 26331 | Philosopher |
| 5329-03 | New | Phlebotomist |
| 8132-19 | 81328 | Photo Finisher |
| 7324-04 | 73244 | Photo-Engraver |
| 2165-06 | 21658 | Photogrammetrist |
| 8132-27 | New | Photograph Enlarger |
| 8132-28 | New | Photograph Printer |
| 3631-03 | 34311 | Photographer |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 3631-01 | New | Photographer, Grade B11 |
| 2849-01 | 26591 | Photographer, Grade B37 |
| 7311-04 | 73111 | Photographic Equipment Maker |
| 8132-23 | New | Photographic Film Printer |
| 8132-22 | New | Photographic Processor |
| 2165-12 | 21658 | Photographic Surveyor |
| 3631-07 | 34313 | Photo-Journalist |
| 1322-07 | New | Photovoltaic Manager |
| 2152-22 | New | Physical Design Verification Engineer |
| 3623-01 | 34231 | Physical Fitness Instructor |
| 3117-10 | 31172 | Physical Metallurgy Assistant |
| 3117-07 | 31172 | Physical Metallurgy Technician |
| 3255-07 | New | Physical Rehabilitation Technician |
| 3111-13 | 31111 | Physical Science Laboratory Assistant |
| 3111-09 | 31111 | Physical Science Laboratory Technician |
| 3111-10 | 31111 | Physical Science Technician |
| 2264-06 | 22642 | Physical Therapist |
| 0321-17 | New | Physical Trainer |
| 2212-44 | 22129 | Physician |
| 2211-18 | New | Physician (General) |
| 2212-49 | 22129 | Physician, Cardiology |
| 2212-45 | 22129 | Physician, Dermatology |
| 2212-46 | 22129 | Physician, Endocrinology |
| 2212-53 | 22129 | Physician, Family Medicine |
| 2212-47 | 22129 | Physician, Gastroenterology |
| 2212-48 | 22129 | Physician, Haematology |
| 2212-50 | 22129 | Physician, Nephrology |
| 2212-51 | 22129 | Physician, Neurology |
| 2212-54 | 22129 | Physician, Respiratory Medicine |
| 2212-52 | 22129 | Physician, Rheumatology |
| 2111-01 | 21111 | Physicist |
| 2111-11 | 21113 | Physicist, Acoustics |
| 2111-25 | 21117 | Physicist, Astronomer |
| 2111-20 | 21116 | Physicist, Atomic |
| 2111-05 | 21112 | Physicist, Ballistics |
| 2111-17 | 21114 | Physicist, Electricity and Magnetism |
| 2111-18 | 21115 | Physicist, Electronics |
| 2111-14 | 21113 | Physicist, Heat |
| 2111-06 | 21112 | Physicist, Hydrodynamics |
| 2111-13 | 21113 | Physicist, Light |
| 2111-08 | 21112 | Physicist, Mechanics |
| 2111-15 | 21113 | Physicist, Medical |
| 2111-21 | 21116 | Physicist, Molecular |
| 2111-19 | 21116 | Physicist, Nuclear |
| 2111-27 | 21119 | Physicist, Rheology |
| 2111-07 | 21112 | Physicist, Solid-State |
| 2111-12 | 21113 | Physicist, Sound |
| 2111-02 | 21111 | Physicist, Theoretical |
| 2111-16 | 21113 | Physicist, Thermodynamics |
| 3111-11 | 31111 | Physics Laboratory Assistant |
| 3111-06 | 31111 | Physics Technician |
| 2134-10 | 21345 | Physiologist |
| 2134-13 | 21345 | Physiologist, Animal |
| 2134-11 | 21345 | Physiologist, Endocrinology |
| 2134-12 | 21345 | Physiologist, Epidemiology |
| 2134-14 | 21345 | Physiologist, Neurology |
| 2134-15 | 21345 | Physiologist, Plant |
| 3212-10 | 32122 | Physiology Technician |
| 2264-04 | 22641 | Physiotherapist |
| 2264-03 | JPA | Physiotherapist, Grade U29 |
| 3255-01 | New | Physiotherapy Assistant |
| 2264-08 | 22642 | Physiotherapy Masseur |
| 3255-06 | New | Physiotherapy Technician |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 1612-10 | New | Phytonutrients Manager |
| 7312-04 | 73122 | Piano Maker |
| 2841-10 | New | Picture Restorer |
| 9312-05 | 96295 | Piling Worker |
| 2173-04 | 21732 | Pilot |
| 2173-01 | 21731 | Pilot/ Pilot Examiner, Grade A41 |
| 7126-05 | 71262 | Pipe Fitter |
| 7126-09 | 71262 | Pipe Fitter, Marine |
| 7126-08 | 71262 | Pipe Fitter, Sewerage |
| 7126-10 | 71262 | Pipe Fitter, Ventilation |
| 7126-07 | 71262 | Pipe Fitter, Water Supply |
| 7119-02 | 71192 | Pipe Layer |
| 7126-06 | 71262 | Pipe Tube Fitter, Aircraft |
| 2131-38 | 21313 | Pisciculturist |
| 3323-01 | 33231 | Planning and Distribution Executive |
| 2141-09 | 21413 | Planning Engineer |
| 2141-24 | New | Plant Engineer |
| 3142-11 | 31424 | Plant Nursery Technician |
| 8182-01 | 31327 | Plant Operator, Grade R3 |
| 8112-10 | 81129 | Plant Processing Operator, Mineral and Stone |
| 4312-16 | 43128 | Plantation Finance Clerk |
| 1311-03 | 13112 | Plantation Manager |
| 4321-20 | 43212 | Plantation Stock Clerk |
| 2132-10 | 21321 | Planting Adviser |
| 7123-01 | 71231 | Plasterer |
| 7123-03 | 71233 | Plasterer, Fibrous |
| 7123-04 | 71234 | Plasterer, Ornamental |
| 7123-05 | New | Plasterer, Solid |
| 7123-02 | 71232 | Plasterer, Stucco |
| 2145-18 | 21457 | Plastics Technologist |
| 7321-10 | New | Plate Maker (Printing) |
| 2152-29 | New | Platform Signal Integrity Engineer |
| 2831-04 | 26412 | Playwright |
| 7126-04 | 71261 | Plumber |
| 7212-06 | 72125 | Plumbum Burner |
| 8172-09 | 81723 | Plywood Core Layer |
| 3122-09 | 31225 | Plywood Inspection Supervisor |
| 7232-11 | New | Pneudraulic System Mechanic (Aircraft) |
| 3151-13 | New | Pneudraulic System Technician (Aircraft) |
| 2212-55 | 22129 | Podiatrist |
| 2831-10 | 26412 | Poet |
| 8312-06 | 83125 | Pointsman, Railway |
| 1112-39 | New | Police Commissioner |
| 3715-03 | 33552 | Police Detective |
| 3715-05 | New | Police Inquiry Agent |
| 3715-02 | 33551 | Police Inspector |
| 3715-04 | New | Police Officer |
| 3715-06 | New | Police Patrol Officer |
| 5412-04 | 54123 | Police Patrol Officer |
| 5412-03 | 54123 | Police Volunteer |
| 2422-02 | 24223 | Policy Analyst |
| 1213-01 | 12131 | Policy and Planning Manager |
| 1213-04 | New | Policy and Research Manager |
| 2422-05 | 24225 | Policy Executive |
| 2422-04 | 24224 | Policy Officer |
| 8181-33 | 81849 | Polisher, Glass Plate |
| 7113-10 | 71138 | Polisher, Stone |
| 7612-16 | 75229 | Polisher, Wood |
| 2832-08 | 26422 | Political Editor |
| 2823-02 | 26331 | Political Philosopher |
| 2823-04 | 26333 | Political Scientist |
| 4111-17 | 41101 | Political Worker |
| 3257-38 | New | Pollution Control Inspector |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 2145-19 | 21457 | Polymer Technologist |
| 2133-08 | 21333 | Pomologist |
| 3142-10 | 31424 | Pomology Technician |
| 9216-03 | 62214 | Pond Worker, Shellfish |
| 2172-06 | 21723 | Port Captain |
| 9621-18 | 91122 | Porter |
| 9621-08 | 96212 | Porter, Luggage |
| 9333-09 | 93336 | Porter, Warehouse |
| 2841-11 | New | Portrait Painter |
| 4211-09 | New | Post Office Counter Clerk |
| 4211-01 | 42113 | Postal Clerk |
| 2341-01 | 23412 | Post-Diploma Education Service Officer, Grade DGA29 |
| 3632-04 | 34321 | Poster Designer |
| 4412-01 | 44121 | Postman/woman |
| 1112-41 | 13244 | Postmaster General |
| 9621-20 | New | Post-runner |
| 2152-35 | New | Post-Silicon Validation Engineer |
| 3631-15 | New | Portrait Photographer |
| 7314-01 | 73141 | Potter |
| 6122-05 | New | Poultry Breeder |
| 3142-17 | New | Poultry Technical Officer |
| 2151-13 | 21513 | Power Distribution and Transmission Engineer |
| 3131-04 | 31314 | Power Generating Plant Operator |
| 2151-09 | 21512 | Power Generation Engineer |
| 2511-63 | New | Power Integrated Circuit(IC) Designer (IT) |
| 7232-12 | New | Power Plant Mechanic (Aircraft) |
| 3151-14 | New | Power Plant Technician (Aircraft) |
| 3131-13 | New | Power System Operator |
| 3131-06 | 31316 | Powerhouse Fabricator |
| 2361-04 | New | Practical Language Teacher |
| 3221-04 | New | Practical Nurse |
| 3612-04 | 34133 | Preacher |
| 7313-09 | 73135 | Precious Metal Roller |
| 7311-01 | 73111 | Precision Instrument Maker |
| 7613-06 | New | Precision Woodworking Sawyer |
| 7214-08 | 72148 | Preparer, Structural Metal |
| 2342-01 | 23421 | Pre-Primary School Teacher |
| 5312-03 | New | Pre-school Assistant |
| 2342-03 | New | Pre-school Teacher |
| 2846-09 | 26563 | Presentation Support Assistant |
| 8161-57 | 81605 | Preserver, Sauces and Condiments |
| 1121-26 | New | President |
| 1114-04 | New | President of Congress of Union of Employees in the Public and Civil Services |
| 1114-02 | 11142 | President of Employers' Federation |
| 1112-33 | New | President of Local Authority |
| 1112-35 | New | President of Local Authority |
| 1121-19 | 11202 | President of Organisation |
| 1114-01 | 11141 | President of Political Party |
| 1111-12 | New | President of the Senate |
| 1114-03 | 11143 | President of Trades Union Congress |
| 2152-23 | New | Pre-Silicon Validation Engineer |
| 2832-16 | 26542 | Press Editor |
| 2432-11 | 24323 | Press Liaison Officer |
| 7321-06 | 73216 | Press Line Worker |
| 2432-10 | 24323 | Press Officer |
| 7322-04 | 73225 | Press Operator, Embossing |
| 3631-05 | 34313 | Press Photographer |
| 9121-04 | 91214 | Presser |
| 7314-02 | 73142 | Presser, Brick and Tile |
| 7314-08 | 73145 | Presser, Pottery and Porcelain |
| 8142-02 | 81422 | Press-Machine Operator, Plastic Laminating |
| 8131-18 | 81313 | Press-Operator, Chemical Process Filter |
| 8181-19 | 81849 | Press-Operator, Clay Filtering |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 8161-43 | 81605 | Press-Operator, Edible Oils |
| 8161-42 | 81605 | Press-Operator, Fruit |
| 8172-10 | 81724 | Press-Operator, Plywood |
| 8141-03 | 81413 | Press-Operator, Rubber Moulding |
| 2331-04 | 23302 | Pre-University Teacher |
| 3719-04 | 33591 | Price Inspector |
| 2826-07 | 26365 | Priest, Church |
| 2826-08 | 26366 | Priest, Temple |
| 2241-05 | New | Primary Care Paramedic |
| 2341-02 | 23411 | Primary School Teacher |
| 1111-01 | 11112 | Prime Minister |
| 1615-03 | New | Principal |
| 1615-11 | 13452 | Principal, College |
| 1615-12 | 13452 | Principal, School |
| 1615-13 | 13452 | Principal, University |
| 2152-27 | New | Printed Circuit Board (PCB) Design Engineer |
| 7322-01 | 73222 | Printer |
| 7322-19 | 81916 | Printer, Wallpaper |
| 7322-20 | 81919 | Printing Operator |
| 7322-14 | 81912 | Printing Press Operator, Offset |
| 7322-13 | 81911 | Printing Press Operator, Cylinder |
| 7322-17 | 81915 | Printing Press Operator, Direct Lithographic |
| 7322-15 | 81913 | Printing Press Operator, Rotary |
| 7322-16 | 81914 | Printing Press Operator, Rotogravure |
| 7322-18 | 81916 | Printing Press Operator, Wallpaper |
| 2141-19 | 21416 | Printing Technologist |
| 2151-23 | New | Prismatic Research Engineer |
| 5413-02 | 54131 | Prison Guard |
| 5413-01 | 54133 | Prison Officer, Grade KX17 |
| 5413-03 | 54132 | Prison Warden |
| 4223-02 | 42231 | Private Branch Exchange Telephone Operator |
| 3411-04 | New | Private Detective |
| 3411-05 | 54196 | Private Investigator |
| 2825-11 | New | Probation Officer |
| 3611-08 | 34121 | Probation Officer, Associate Professional |
| 2149-10 | 21491 | Process Engineer |
| 4412-04 | 44123 | Process Server |
| 3119-19 | 31192 | Process Technician |
| 3323-05 | 33232 | Procurement Agent |
| 3323-06 | 33233 | Procurement Executive |
| 3323-08 | New | Procurement Officer |
| 6221-16 | New | Producer, Crackers |
| 6121-04 | 61213 | Producer, Dairy |
| 6221-18 | New | Producer, Fishball |
| 2844-02 | 26546 | Producer, Grade B41 |
| 6121-09 | New | Producer, Livestock |
| 6221-11 | 61235 | Producer, Marine Product |
| 6221-17 | New | Producer, Otak-Otak |
| 2844-15 | 26543 | Producer, Television |
| 3322-17 | 33227 | Product Brand Executive |
| 2152-28 | New | Product Characterisation Engineer |
| 2434-09 | New | Product Development Engineer |
| 1223-02 | New | Product Development Manager |
| 2434-06 | New | Product Engineer |
| 1221-06 | 12212 | Product Manager |
| 2519-03 | New | Product Quality Assurance Engineer (IT) |
| 3257-12 | 32571 | Product Quality Inspector |
| 2434-03 | New | Product Support Engineer |
| 2434-07 | New | Product Support Officer |
| 1214-02 | 12141 | Production and Business Operation Manager |
| 1311-05 | 13112 | Production and Operation Manager, Agricultural |
| 1622-06 | 14321 | Production and Operation Manager, Cleaning |
| 1511-03 | 13301 | Production and Operation Manager, Communications |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 1323-02 | 13231 | Production and Operation Manager, Construction |
| 1624-07 | 14312 | Production and Operation Manager, Cultural Activities |
| 1619-01 | 13491 | Production and Operation Manager, Extra Territorial Organisation |
| 1312-02 | 13121 | Production and Operation Manager, Fishery |
| 1311-11 | 13111 | Production and Operation Manager, Forestry |
| 1411-06 | 14111 | Production and Operation Manager, Hotel |
| 1311-07 | 13112 | Production and Operation Manager, Livestock |
| 1321-02 | 13211 | Production and Operation Manager, Manufacturing |
| 1322-01 | 13221 | Production and Operation Manager, Mine |
| 1322-03 | New | Production and Operation Manager, Oil and Gas Extraction |
| 1622-07 | 14322 | Production and Operation Manager, Personal Care Service |
| 1322-02 | New | Production and Operation Manager, Quarry |
| 1412-07 | 14121 | Production and Operation Manager, Restaurant |
| 1421-02 | 14201 | Production and Operation Manager, Retail Trade |
| 1421-16 | 14201 | Production and Operation Manager, Retail Trade (Store) |
| 1421-17 | 14201 | Production and Operation Manager, Retail Trade (Supermarket) |
| 1621-17 | 14314 | Production and Operation Manager, Stage |
| 1324-10 | 13242 | Production and Operation Manager, Storage |
| 1324-05 | 13241 | Production and Operation Manager, Transport |
| 1324-07 | 13241 | Production and Operation Manager, Transport (Freight Traffic) |
| 1324-08 | 13241 | Production and Operation Manager, Transport (Passenger Traffic) |
| 1324-06 | 13241 | Production and Operation Manager, Transport (Pipeline) |
| 1421-09 | 14202 | Production and Operation Manager, Wholesale Trade |
| 1421-10 | 14202 | Production and Operation Manager, Wholesale Trade (Export) |
| 1421-11 | 14202 | Production and Operation Manager, Wholesale Trade (Import) |
| 3521-04 | 35211 | Production Assistant (Media) |
| 1214-05 | 12143 | Production Controller |
| 2141-04 | 21416 | Production Engineer |
| 2182-05 | 21823 | Production Executive |
| 1214-01 | 12141 | Production Manager |
| 8189-02 | 82191 | Production Operator |
| 8189-11 | 82129 | Production Operator, Electronic Products |
| 1214-04 | 12143 | Production Planner |
| 3122-02 | 31224 | Production Supervisor |
| 2222-01 | 22221 | Professional Midwife |
| 2221-03 | 22211 | Professional Nurse |
| 2392-06 | 23602 | Professional Remedial Teacher |
| 2231-01 | 22301 | Professional Traditional Medical Practitioner |
| 2311-12 | New | Professor |
| 7321-07 | 73217 | Profiling Line Worker |
| 3639-06 | New | Programme CoOrdinator (Broadcasting) |
| 2846-10 | 26563 | Programme Preparer |
| 3639-02 | JPA | Programme Producer, Grade B17 |
| 2522-17 | New | Project Administrator (IT) |
| 1323-08 | New | Project Builder |
| 2522-16 | New | Project Coordinator (IT) |
| 2149-09 | 21491 | Project Engineer |
| 2183-02 | 21832 | Project Executive |
| 1323-05 | 13233 | Project Manager |
| 3123-02 | 31231 | Project Supervisor |
| 3639-07 | New | Prompter |
| 2831-20 | 26416 | Proofreader |
| 4413-01 | 44131 | Proof-Reader Clerk |
| 3334-02 | 33342 | Property Agent |
| 4311-20 | 43117 | Property Clerk |
| 2412-12 | 21833 | Property Executive |
| 1618-01 | 14341 | Property Maintenance Manager |
| 1618-02 | 14342 | Property Manager |
| 3639-08 | New | Property Master (Broadcasting) |
| 3334-04 | 33344 | Property Negotiator |
| 3334-03 | 33343 | Property Realtor |
| 2611-19 | 26111 | Prosecutor |
| 2611-02 | 26112 | Prosecutor, Grade L41 |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 3215-02 | 32152 | Prosthetic Technician |
| 2212-56 | 22129 | Prosthetist |
| 2261-10 | 22614 | Prosthodontist |
| 0321-16 | New | Provost |
| 5321-11 | New | Psychiatric Aide |
| 2221-20 | 32212 | Psychiatric Nurse |
| 2212-08 | 22124 | Psychiatrist |
| 2824-05 | 26341 | Psychologist |
| 2824-01 | 26342 | Psychology Officer, Grade S41 |
| 2824-09 | New | Psychotherapist |
| 2411-15 | 24116 | Public Accountant |
| 5321-02 | 53215 | Public Health Assistant, Grade U11 |
| 3256-01 | New | Public Health Assistant, Grade U17 |
| 2265-04 | 22651 | Public Health Dietician |
| 3257-01 | 32573 | Public Health Inspector |
| 2221-09 | New | Public Health Nurse |
| 2265-08 | 22652 | Public Health Nutritionist |
| 3257-04 | New | Public Health Restaurant Inspector |
| 3257-02 | New | Public Health Safety Inspector |
| 3257-03 | New | Public Health Unit Supervisor |
| 2251-06 | 22503 | Public Health Veterinarian |
| 4226-02 | 42272 | Public Opinion Interviewer |
| 2432-06 | 24321 | Public Relations Executive |
| 1222-04 | 12222 | Public Relations Manager |
| 2432-03 | New | Public Relations Officer |
| 2425-11 | 33563 | Public Service Commission Officer |
| 2619-05 | 26193 | Public Trustee |
| 4414-02 | 44142 | Public Writer |
| 3639-01 | 41107 | Publication Assistant, Grade N17 |
| 4413-04 | 41101 | Publication Clerk |
| 2166-13 | New | Publication Designer |
| 2832-02 | 26544 | Publications Officer, Grade N41 |
| 2432-08 | 24322 | Publicity Agent |
| 2831-15 | 26414 | Publicity Writer |
| 3132-05 | 31324 | Pumping Station Operator |
| 3139-02 | 31341 | Pumpman |
| 3134-01 | 31341 | Pumpman (Petroleum Refining) |
| 5312-01 | 53122 | Pupil Management Assistant, Grade nN17 |
| 2847-11 | New | Puppeteer |
| 3323-07 | New | Purchasing Agent |
| 3323-02 | 33231 | Purchasing Executive |
| 1219-01 | 13243 | Purchasing Manager |
| 3323-10 | New | Purchasing Merchandiser |
| Q | | |
| 2519-04 | New | QA Analyst (IT) |
| 2519-05 | New | QA Executive (IT) |
| 2182-03 | 25191 | Quality Assurance Analyst |
| 2149-11 | 21492 | Quality Assurance Engineer |
| 2182-02 | 21822 | Quality Assurance Executive |
| 1219-03 | 13213 | Quality Assurance Manager |
| 3122-17 | 82191 | Quality Checker Tester |
| 7516-04 | 75164 | Quality Checker, Cigarette |
| 2149-12 | 21492 | Quality Control Engineer |
| 2182-04 | 21822 | Quality Control Executive |
| 3122-14 | New | Quality Control Inspector |
| 1219-02 | 13213 | Quality Control Manager |
| 3122-15 | 31228 | Quality Control Supervisor |
| 3119-27 | 31228 | Quality Control Technician |
| 3122-16 | New | Quality Controller |
| 2149-25 | New | Quality Engineer |
| 2519-06 | New | Quality Engineer (IT) |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 7633-02 | New | Quality Inspector |
| 6111-14 | 31425 | Quality Inspector, Plantation |
| 3119-07 | 31191 | Quantity Surveying Technician |
| 3119-02 | 31197 | Quantity Surveying Technician, Grade J17 |
| 2149-08 | 21652 | Quantity Surveyor |
| 2149-01 | 21656 | Quantity Surveyor, Grade J41 |
| 2263-19 | New | Quarantine Officer - Public Health |
| 8111-02 | 81112 | Quarrier |
| 1322-06 | 13223 | Quarry Manager |
| 3121-02 | New | Quarry Supervisor |
| R | | |
| 1621-09 | 14313 | Racecourse Manager |
| 1621-18 | New | Racing Car Manager |
| 3621-11 | New | Racing driver |
| 3257-39 | New | Radiation Monitor |
| 2263-22 | New | Radiation Protection Expert |
| 2844-08 | 26541 | Radio and Television Broadcasting Director |
| 3521-15 | 35216 | Radio and Television Broadcasting Equipment Technician |
| 2844-09 | 26541 | Radio and Television Director |
| 1121-11 | 11201 | Radio and Television Manager, Broadcasting |
| 1121-12 | 11201 | Radio and Television Manager, Programme |
| 2832-09 | 26422 | Radio and Television News Broadcasting Editor |
| 3521-19 | 35216 | Radio and Television Transmitting Equipment Technician |
| 2846-02 | 26561 | Radio Announcer |
| 2511-64 | New | Radio Frequency (RF) Integrated Circuit (IC) Design Engineer (IT) |
| 3117-09 | 31172 | Radioactive Mineral Metallurgy Technician |
| 2212-57 | 22129 | Radiologist |
| 2212-58 | 22129 | Radiologist, Diagnostic |
| 2212-59 | 22129 | Radiologist, Interventional |
| 2212-60 | 22129 | Radiologist, Nuclear Medicine |
| 2212-61 | 22129 | Radiologist, Radiotherapy |
| 3256-06 | 32561 | Radiology Equipment Technician |
| 3256-07 | 32561 | Radiology Equipment Technician, Medical, General |
| 3211-03 | New | Radiology Technician |
| 2212-07 | 22123 | Radiotherapy Oncologist |
| 2175-02 | 21751 | Railway and Locomotive Operation Controller |
| 2175-01 | 21751 | Railway and Locomotive Operation Officer |
| 8311-03 | 83111 | Railway Driver |
| 5112-08 | 51123 | Railway Guard |
| 3153-05 | 31533 | Railway Inspector |
| 2152-05 | 21522 | Railway Signal Engineer |
| 1324-01 | 13241 | Railway Station Master |
| 3153-02 | 31532 | Railway Supervisor |
| 4323-08 | 43232 | Railway Yardmaster |
| 8351-13 | 83506 | Ram Controller |
| 4312-25 | 43115 | Rating Clerk |
| 7317-09 | 73178 | Rattan Furniture Maker |
| 4321-01 | 43211 | Raw Material Clerk |
| 4321-07 | 43211 | Raw Material Store Clerk |
| 8131-37 | 81314 | Reactor-Convertor (Chemical Processes) |
| 3334-01 | 33341 | Real Estate Agent |
| 3315-09 | New | Real Estate Appraiser |
| 1618-03 | New | Real Estate Manager |
| 3334-06 | New | Real Estate Salesperson |
| 4321-04 | 43211 | Receiving Clerk |
| 4224-01 | 42261 | Receptionist |
| 4132-03 | 41324 | Records Clerk |
| 1621-02 | 14313 | Recreation Manager |
| 5419-07 | 54196 | Recreation Supervisor |
| 1212-06 | New | Recruitment Manager |
| 7413-11 | 74135 | Rectifier System Worker |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 9612-02 | New | Recycling Worker |
| 7234-03 | 72343 | Reel Repairer |
| 3622-07 | 34221 | Referee |
| 3134-17 | New | Refinery Process Technician |
| 7112-07 | New | Refractory bricklayer |
| 1412-10 | 14123 | Refreshment Room Manager |
| 3115-12 | 31151 | Refrigeration and Air-Conditioning System Engineering Technician |
| 7127-02 | 71271 | Refrigeration Equipment Mechanic |
| 2112-14 | New | Refrigeration Service Specialist |
| 3132-07 | 31326 | Refrigeration System Operator |
| 9612-04 | New | Refuse Sorter |
| 3322-26 | New | Regional Sales Executive |
| 2511-57 | New | Register Transfer Level (RTL) Designer (IT) |
| 2619-03 | 26192 | Registrar of Court |
| 3719-02 | 44163 | Registration Assistant, Grade KP17 |
| 7114-01 | 71141 | Reinforced Concrete Worker |
| 3716-05 | 33565 | RELA Officer |
| 2371-04 | New | Religious Education Teacher |
| 2826-03 | 26361 | Religious Officer |
| 2826-09 | New | Religious Professionals |
| 2392-09 | New | Remedial Teacher |
| 4214-05 | 42144 | Rent Collector |
| 4214-06 | 42145 | Rental Clerk |
| 5249-01 | New | Rental Salesperson |
| 7421-02 | 74211 | Repairer, Electronics |
| 7623-04 | 75333 | Repairer, Footwear |
| 7621-15 | 75319 | Repairer, Knitted Fabric |
| 2832-03 | 41207 | Reporter/Journalist Assistant, Grade S17 |
| 3322-10 | 33225 | Representative, Commercial Technical Sales |
| 5419-10 | 54196 | Rescue Diver |
| 1223-01 | 12231 | Research and Development Manager |
| 2134-34 | New | Research and Development Pharmacist |
| 2421-04 | 24211 | Research and Information Analyst |
| 3141-12 | 31416 | Research Assistant |
| 3111-04 | 31419 | Research Assistant, Grade Q17 |
| 2149-14 | 21494 | Research Engineer |
| 1223-03 | New | Research Manager |
| 2265-09 | 22652 | Research Nutritionist |
| 2426-01 | 21317 | Research Officer, Grade Q41 |
| 4224-12 | 42243 | Reservation Assistant |
| 4224-13 | 42243 | Reservation Supervisor |
| 1411-13 | New | Resort Manager |
| 3257-40 | New | Restaurant Inspector |
| 1412-01 | 14121 | Restaurant Manager |
| 5131-06 | 51314 | Restaurant Supervisor |
| 2262-05 | 22623 | Retail Pharmacist |
| 1421-01 | 14201 | Retail Trade Manager |
| 1421-07 | 14201 | Retail Trade Manager, Mail-Order Store |
| 1421-06 | 14201 | Retail Trade Manager, Self-Service Store |
| 1421-03 | 14201 | Retail Trade Manager, Store |
| 1421-15 | 14204 | Retailer |
| 8131-12 | 81312 | Retort Operator, Chemical Processes |
| 3315-04 | 33153 | Revenue Assessor |
| 2111-28 | 21119 | Rheologist |
| 9331-01 | 93311 | Rickshaw Puller |
| 8321-02 | 83212 | Rider, Despatch |
| 7215-03 | 72159 | Rigger |
| 7215-10 | 72157 | Rigger, Aircraft |
| 7215-05 | 72151 | Rigger, Construction Hoisting Equipment |
| 7215-04 | 72152 | Rigger, Hoisting Equipment |
| 7215-06 | 72153 | Rigger, Logging |
| 7215-08 | 72155 | Rigger, Petroleum and Gas Well Drilling |
| 7215-11 | 72158 | Rigger, Railway Cable |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 7215-07 | 72154 | Rigger, Ship |
| 2413-04 | New | Risk Operation Analyst |
| 7214-04 | 72144 | Riveter |
| 3159-01 | 31591 | Road Transport Supervisor |
| 8131-16 | 81312 | Roaster, Chemical Processes |
| 8131-11 | 81312 | Roasting Equipment Operator, Chemical Processes |
| 3115-25 | 31191 | Robotic Automation Technician |
| 2141-02 | 21411 | Robotics Engineer |
| 3119-20 | New | Robotics Technician |
| 7232-13 | New | Rocket Engine Component Mechanic |
| 3151-15 | New | Rocket Engine Component Technician |
| 3257-41 | New | Rodent Control Inspector |
| 3135-06 | New | Rolling Mill Control Operator |
| 3135-01 | 31351 | Rolling Mill Metal Manipulator |
| 8131-05 | 81311 | Roll-Mill Operator, Chemical Processes |
| 8111-12 | New | Roof Bolter (mining) |
| 7121-01 | New | Roofer |
| 7121-05 | 71213 | Roofer, Asbestos |
| 7121-04 | 71213 | Roofer, Asphalt |
| 7121-03 | 71211 | Roofer, Nipa |
| 7121-10 | 71212 | Roofer, Odd Job |
| 7121-06 | 71215 | Roofer, Slate |
| 7121-02 | 71211 | Roofer, Thatch |
| 7121-07 | 71215 | Roofer, Zinc |
| 9621-17 | 91121 | Room Boy |
| 4111-12 | 41101 | Room Service Clerk |
| 5151-12 | New | Room Steward |
| 8131-22 | 81313 | Rotary Drum Filterer |
| 3115-13 | 31151 | Rotary Technician |
| 7316-09 | 73163 | Router, Printing Plate |
| 8351-03 | 83501 | Rower, Canoe |
| 0121-03 | New | Royal Armoured Corps Officer |
| 0121-06 | New | Royal Artillery Regiment Officer |
| 0121-13 | New | Royal Electrical and Mechanical Engineer Corps Officer |
| 0121-05 | New | Royal Engineer Regiment Officer |
| 0121-10 | New | Royal Intelligence Corps Officer |
| 0121-11 | New | Royal Logistics Corps Officer |
| 0121-01 | New | Royal Malay Regiment Officer |
| 0121-08 | New | Royal Medical Corps Officer |
| 0121-09 | New | Royal Military Police Corps Officer |
| 0121-12 | New | Royal Ordnance Corps Officer |
| 0121-02 | New | Royal Ranger Regiment Officer |
| 0121-04 | New | Royal Signals Regiment Officer |
| 2511-14 | New | RPG System Analyst |
| 8141-16 | 93221 | Rubber Coagulator |
| 8141-19 | 93225 | Rubber Sheet Clipper and Sorter |
| 9211-16 | 92112 | Rubber Tapper |
| 2145-20 | 21458 | Rubber Technologist |
| 9612-01 | 96121 | Rubbish Sorter |
| S | | |
| 7323-12 | New | Saddle Stitch Operator |
| 4211-06 | 42116 | Safe Deposit Clerk |
| 3257-16 | New | Safety and Health Inspector |
| 3257-15 | 32573 | Safety and Health Inspector, Consumer Protection |
| 3257-14 | 32573 | Safety and Health Inspector, Pollution |
| 2263-11 | New | Safety and Health Officer |
| 3257-13 | 32571 | Safety and Health Technician |
| 2263-12 | New | Safety and Health Technologist |
| 3257-42 | New | Safety and Sanitary Inspector |
| 2149-21 | New | Safety Engineer |
| 5414-14 | New | Safety Supervisor |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 3623-04 | 34236 | Sailing Instructor |
| 8351-08 | 83503 | Sailor |
| 3322-16 | 33227 | Sales Administrative Executive |
| 1221-02 | 12211 | Sales and Marketing Manager |
| 5223-01 | 52231 | Sales Assistant |
| 3322-13 | 33227 | Sales Executive |
| 1221-01 | 12211 | Sales Manager |
| 5242-03 | 52423 | Sales Merchandiser |
| 5242-02 | 52422 | Sales Promoter |
| 1221-04 | 12211 | Sales Promotion Manager |
| 2431-03 | 24313 | Sales Promotion Officer |
| 3322-04 | 33224 | Sales Representative |
| 2433-04 | 24333 | Sales Representative, Active Implantable Devices |
| 2433-05 | 24334 | Sales Representative, Anaesthetic and Respiratory Devices |
| 2434-02 | 24342 | Sales Representative, Computer |
| 2433-06 | 24335 | Sales Representative, Dental Devices |
| 2433-07 | 24336 | Sales Representative, Electromechanical Medical Devices |
| 2433-09 | New | Sales Representative, Industrial Product |
| 2434-01 | 24341 | Sales Representative, Information and Communications Technology |
| 2433-01 | 24331 | Sales Representative, Medical |
| 2433-10 | New | Sales Representative, Medical and Pharmaceutical Product |
| 2433-02 | 24332 | Sales Representative, Medical Devices |
| 2433-03 | 24332 | Sales Representative, Medical Hardware |
| 2433-08 | 24337 | Sales Representative, Ophthalmic and Optical Devices |
| 2432-17 | New | Sales Reservation Executive |
| 4121-15 | 41204 | Sales Secretary |
| 2431-08 | New | Sales Specialist |
| 5222-02 | 52221 | Sales Supervisor |
| 3322-01 | New | Salesperson |
| 5223-03 | New | Salesperson (Retail Establishment) |
| 5223-04 | New | Salesperson (Wholesale Establishment) |
| 3322-11 | 33226 | Salesperson, Business Services Advertising |
| 3322-22 | 33228 | Salesperson, Car |
| 5211-11 | 52431 | Salesperson, Marketing |
| 3322-23 | 33228 | Salesperson, Motor Vehicle |
| 3322-24 | 33228 | Salesperson, Motorcycle |
| 3322-06 | 33225 | Salesperson, Technical |
| 3322-05 | 33225 | Salesperson, Travel |
| 8111-06 | 81111 | Sampler, Mine |
| 8111-08 | 81112 | Sampler, Quarry |
| 7133-02 | 71332 | Sandblaster (Building Exteriors) |
| 7316-03 | 73162 | Sandblaster, Glass |
| 8122-08 | 81224 | Sandblaster, Metal |
| 2263-03 | 22631 | Sanitarian |
| 3257-17 | 32573 | Sanitary Inspector |
| 3257-18 | New | Sanitary Standards Inspector |
| 1622-03 | 13493 | Sanitation Manager |
| 2522-21 | New | SAP Application Administrator |
| 2393-01 | 23931 | Satellite-Instruction Facilitator |
| 3641-14 | New | Saucier |
| 7511-04 | 75112 | Sausage Maker |
| 8172-02 | 81729 | Saw Operator |
| 8172-05 | 81721 | Saw Operator, Sawmill |
| 8172-03 | 81721 | Saw Operator, Wet Timber |
| 8172-04 | 81721 | Saw Operator, Wood |
| 7224-04 | 72244 | Saw Repairer |
| 7224-06 | 72244 | Saw Servicer |
| 7224-05 | 72244 | Saw Sharpener |
| 3122-08 | 31225 | Sawmill Supervisor |
| 3122-10 | 31225 | Sawyer Supervisor |
| 7113-05 | 71132 | Sawyer, Stone |
| 7119-04 | 71193 | Scaffolder |
| 6211-11 | 62111 | Scaler, Log |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 3256-11 | 32563 | Scanning Equipment Technician |
| 3632-14 | 34322 | Scenery Designer |
| 4322-30 | New | Schedule Clerk (Materials) |
| 2399-10 | New | School Counsellor |
| 1615-10 | 13452 | School Director |
| 2391-03 | 23911 | School Inspector |
| 4121-16 | 33491 | School Secretary |
| 7311-03 | 73111 | Scientific Instrument Maker |
| 2426-02 | 21319 | Scientific Officer, Grade C41 |
| 3631-12 | 34315 | Scientific Photographer |
| 2133-16 | New | Scientist |
| 9611-02 | 96113 | Scrap Handler |
| 9612-03 | New | Scrap Merchant |
| 7321-08 | New | Screen Maker |
| 7322-10 | New | Screen Printer |
| 7322-11 | New | Screen Printing Press Operator |
| 2166-23 | New | Screenwriter |
| 4414-03 | 44143 | Scribe |
| 2831-16 | 26414 | Script Writer |
| 3639-09 | New | Script-Girl/Boy |
| 2841-01 | 26511 | Sculptor |
| 2352-02 | New | Sculpture Teacher |
| 6221-13 | New | Seafood Farmer |
| 7231-14 | New | Sealant Installer |
| 2361-05 | New | Second Language Teacher |
| 2331-02 | 23301 | Secondary Education Teacher |
| 4121-06 | 41208 | Secretarial Administrative Assistant |
| 0311-04 | New | Secretariat Branch Officer |
| 4121-08 | 41201 | Secretary |
| 1112-05 | New | Secretary General of Treasury |
| 1112-19 | 11121 | Secretary of Commission |
| 1112-30 | 11123 | Secretary of Embassy |
| 1112-21 | 11121 | Secretary of Government, Non-Legislative |
| 1112-38 | New | Secretary of the House of Representatives |
| 1112-37 | New | Secretary of the Senate |
| 1112-14 | 11121 | Secretary-General of Ministry |
| 1114-10 | 11145 | Secretary-General, Environmental Protection Organisation |
| 1114-07 | 11145 | Secretary-General, Human Rights Organisation |
| 1114-08 | 11145 | Secretary-General, Humanitarian Organisation |
| 1114-06 | 11145 | Secretary-General, Red Crescent Organisation |
| 1114-09 | 11145 | Secretary-General, Red Cross Organisation |
| 1114-05 | 11145 | Secretary-General, Special Interest Organisation |
| 1114-11 | 11145 | Secretary-General, Wildlife Protection Organisation |
| 3311-01 | 33111 | Securities Broker |
| 2511-56 | New | Security Analyst (IT) |
| 5414-01 | 54142 | Security Assistant, Grade KP17 |
| 5414-11 | 54145 | Security Guard |
| 5414-02 | 54144 | Security Guard, Grade KP11 |
| 1623-01 | 14352 | Security Manager |
| 2919-01 | 24492 | Security Officer, Grade KP41 |
| 1623-02 | New | Security Operation Manager |
| 5414-17 | New | Security Patrolman |
| 2529-04 | New | Security Specialist (IT) |
| 5414-15 | New | Security Supervisor |
| 2113-35 | New | Sedimentologist |
| 2113-30 | New | Seismic Stratigrapher |
| 2112-07 | 21123 | Seismologist |
| 1412-08 | 14121 | Self-Service Restaurant Manager |
| 2152-19 | 21525 | Semiconductor Engineer |
| 3511-13 | 35112 | Semi-Conductor Technician |
| 3641-06 | 34341 | Senior Chef |
| 1114-13 | 11145 | Senior Official of Humanitarian Organisation |
| 1114-12 | 11145 | Senior Official of Special Interest Organisation |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 2915-01 | 24452 | Senior Police Officer (Inspector), Grade YA13 |
| 8351-06 | 83502 | Senior Sailor |
| 8131-20 | 81313 | Separator Operator, Chemical Processes |
| 9621-02 | 33437 | Sergeant-at-arms, Grade N11 |
| 3341-01 | 33436 | Sergeant-at-Arms, Grade N27 |
| 6123-02 | New | Sericulturist |
| 2131-05 | 21316 | Serologist |
| 3141-17 | 32122 | Serology Technician |
| 5245-02 | 52452 | Service Station Attendant |
| 3632-22 | New | Set Designer |
| 8172-16 | 81729 | Setter, Veneer |
| 7613-03 | 75233 | Setter, Wood Machine |
| 8221-47 | New | Setter-operator |
| 8221-50 | 82214 | Setter-Operator, Boring and Drilling Machine |
| 8221-51 | 82215 | Setter-Operator, Honing Machine |
| 8221-48 | 82212 | Setter-Operator, Lathe |
| 8221-44 | 82211 | Setter-Operator, Metalworking Machine |
| 8221-52 | 82216 | Setter-Operator, Milling Machine |
| 8221-53 | 82217 | Setter-Operator, Reaping Machine |
| 8221-49 | 82213 | Setter-Operator, Shaping Machine |
| 3257-34 | New | Sewage Disposal Inspector |
| 3132-08 | 31328 | Sewage Plant Operator |
| 2143-02 | 21428 | Sewerage and Sanitation Engineer |
| 1622-13 | New | Sewerage Manager |
| 8153-01 | 81531 | Sewing Machine Operator |
| 8153-03 | 81532 | Sewing Machine Operator, Crochet |
| 8153-04 | 81533 | Sewing Machine Operator, Embroidery |
| 8153-02 | 81531 | Sewing Machine Operator, Leather |
| 5153-06 | 51534 | Sexton |
| 4312-24 | 43115 | Share and Stock Registration Clerk |
| 2511-49 | New | Sharepoint Consultant (IT) |
| 2511-51 | New | Sharepoint Specialist (IT) |
| 2511-50 | New | Sharepoint Technical Specialist (IT) |
| 3342-01 | 44196 | Shariah Assistant, Grade LS17 |
| 2611-09 | 26122 | Shariah Officer, Grade LS41 |
| 7213-09 | 72135 | Sheet Metal Worker, Aircraft |
| 7213-08 | 72135 | Sheet Metal Worker, Ornamental |
| 8141-17 | 93222 | Sheet Rubber Maker |
| 7213-03 | 72131 | Sheet-Metal Worker |
| 7213-07 | 72135 | Sheet-Metal Worker, Vehicle |
| 9334-01 | 93341 | Shelf Filler |
| 6121-08 | 92121 | Shepherd |
| 3255-08 | New | Shiatsu Therapist |
| 3129-07 | 31224 | Shift Supervisor |
| 5111-01 | 51111 | Ship Cabin Attendant |
| 2172-03 | 21721 | Ship Captain |
| 2171-03 | 21712 | Ship Construction Engineer |
| 2171-01 | 21712 | Ship Engineer |
| 7239-02 | 72336 | Ship Mechanic |
| 2172-08 | 21724 | Ship Navigator |
| 2172-05 | 21722 | Ship Pilot |
| 7214-03 | 72143 | Ship Plater |
| 8351-04 | 83501 | Ship Quatermaster |
| 5111-10 | New | Ship Steward/Stewardess |
| 3152-06 | New | Ship Technician |
| 3331-03 | 33312 | Shipping Agent |
| 3324-02 | New | Shipping Broker |
| 4321-25 | 43214 | Shipping Clerk |
| 2179-02 | 21792 | Shipping Executive |
| 1324-12 | 13245 | Shipping Manager |
| 7214-06 | 72146 | Shipwright, Metal |
| 7115-08 | 71155 | Shipwright, Wood |
| 2163-10 | 34324 | Shoe Designer |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 7623-01 | 75331 | Shoemaker |
| 7623-03 | 75332 | Shoemaker, Orthopaedic |
| 9511-03 | New | Shoe-Polisher |
| 5223-02 | 52231 | Shop Assistant |
| 5222-01 | New | Shop Supervisor |
| 5221-01 | 52211 | Shopkeeper |
| 1221-09 | 12213 | Shopping Centre Manager |
| 9411-03 | New | Short Order Cook |
| 4131-04 | 41311 | Shorthand Typist |
| 7632-02 | New | Shotfirer |
| 8312-03 | 83123 | Shunter, Railway |
| 7114-03 | 71142 | Shutterer, Concrete |
| 7114-02 | 71142 | Shutterer, Concrete Moulding |
| 2511-55 | New | Siebel Customer Relationship Management (CRM) Consultant (IT) |
| 2512-24 | New | Siebel Developer (IT) |
| 2519-12 | New | Siebel Solution Architect |
| 2511-52 | New | Siebel Specialist (IT) |
| 2519-13 | New | Siebel Technical Architect |
| 8131-19 | 81313 | Sieving Machine Operator, Chemical Processes |
| 2833-07 | New | Sign Language Interpreter |
| 7316-11 | New | Sign Writer |
| 8312-02 | 83122 | Signaller, Railway |
| 6211-12 | 62113 | Signalman, Log |
| 7131-10 | 71327 | Signpainter |
| 3622-12 | 34224 | Silat Coach |
| 8151-04 | 81511 | Silk Reeler |
| 7316-06 | 73162 | Silverer, Mirror |
| 7313-03 | 73131 | Silversmith |
| 3143-05 | 31431 | Silviculture Technician |
| 2133-14 | 21334 | Silviculturist |
| 2833-02 | 26436 | Simultaneous Interpreter, Grade N41 |
| 2842-15 | 26524 | Singer |
| 2351-02 | New | Singing Teacher |
| 2221-13 | 32211 | Sister |
| 4322-19 | 43221 | Site Coordinator |
| 2142-14 | 21421 | Site Engineer |
| 2183-03 | New | Site Executive |
| 1323-06 | 13233 | Site Manager |
| 3123-04 | 31232 | Site Supervisor |
| 9312-03 | 96293 | Site Worker, General |
| 2381-02 | 23805 | Skill Training Trainer |
| 7119-05 | 71194 | Skilled Demolition Worker |
| 6111-19 | New | Skilled Farm Worker (Field Crops) |
| 6114-03 | New | Skilled Farm Worker (Mixed Crops) |
| 6131-03 | New | Skilled Farm Worker (Mixed Farming) |
| 6121-03 | 61212 | Skilled Farm Worker, Mixed Animal Husbandry |
| 6221-04 | New | Skilled Fish Farm Worker |
| 6221-06 | New | Skilled Seafood Farm Worker |
| 6211-15 | 62113 | Skilled Worker, Forestry |
| 7511-01 | 75111 | Slaughterer |
| 5142-10 | New | Slimming Consultant |
| 7231-22 | New | Small Engine Mechanic |
| 8121-30 | 81217 | Smelting Operator |
| 9329-08 | 93224 | Smokehouse Stoker |
| 2847-08 | 26575 | Snake Charmer |
| 4312-04 | 43123 | Social and Economic Data Enumerator |
| 3713-01 | 33531 | Social Benefit Assistant |
| 2913-01 | 33531 | Social Benefits Officer |
| 5169-01 | New | Social Escort |
| 3611-02 | 44165 | Social Research Assistant, Grade N17 |
| 2822-01 | 26327 | Social Research Officer, Grade N41 |
| 2913-02 | 33532 | Social Security Claims Officer |
| 3713-02 | 33532 | Social Security Claims Officer |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 3611-10 | 34121 | Social Welfare Worker |
| 3611-11 | 34121 | Social Welfare Worker, Case Work |
| 1614-01 | 13441 | Social Work Manager |
| 1614-02 | 13441 | Social Work Operation Manager |
| 3611-03 | 34121 | Social Worker |
| 3611-12 | 34121 | Social Worker, Child Welfare |
| 3611-14 | 34121 | Social Worker, Community |
| 3611-13 | 34121 | Social Worker, Delinquency |
| 3611-04 | 34121 | Social Worker, Group Work |
| 3611-15 | 34121 | Social Worker, Medical |
| 2825-03 | 26351 | Social Worker, Professional |
| 3611-16 | 34121 | Social Worker, Psychiatric |
| 2822-03 | 26321 | Sociologist |
| 2913-04 | New | SOCSO Officer |
| 2512-03 | 25123 | Software Designer |
| 2512-01 | 25121 | Software Developer |
| 2512-08 | New | Software Engineer (.Net) |
| 2512-23 | New | Software Engineer (Sharepoint) (IT) |
| 2514-02 | 25141 | Software Programmer |
| 2514-18 | New | Software Programmer (.Net) |
| 2519-11 | New | Software QA Engineer (IT) |
| 2519-01 | 25192 | Software Tester |
| 2393-03 | New | Software Trainer |
| 2133-11 | 21334 | Soil Conservationist |
| 3111-15 | 31114 | Soil Laboratory Assistant |
| 3142-06 | 31423 | Soil Science Technician |
| 2133-13 | 21334 | Soil Scientist |
| 2165-10 | 21653 | Soil Surveyor |
| 3111-14 | 31114 | Soil Technician |
| 3131-10 | New | Solar Power Plant Operator |
| 7213-15 | 72126 | Solderer |
| 7213-14 | 72124 | Solderer, Metal |
| 2611-28 | 26111 | Solicitor |
| 2611-03 | 26113 | Solicitor, Grade L41 |
| 2519-08 | New | Solution Architect (IT) |
| 2831-14 | 26414 | Song Writer |
| 3211-08 | New | Sonographer |
| 3256-12 | 32564 | Sonographer |
| 9329-02 | 93292 | Sorter |
| 9212-06 | 92126 | Sorter, Egg |
| 7515-15 | New | Sorter, Paddy |
| 7516-05 | 75165 | Sorter, Tobacco |
| 3521-09 | 35212 | Sound Editor |
| 3521-06 | 35212 | Sound Effects Technician |
| 3521-08 | 35212 | Sound Mixer |
| 2514-14 | New | Sound Programmer |
| 2152-17 | 21524 | Sound System Engineer |
| 3641-04 | 34345 | Sous Chef |
| 5142-07 | 51427 | Spa Masseur |
| 5142-09 | 51429 | Spa Therapist |
| 1111-15 | New | Speaker of the House Representatives |
| 3639-04 | New | Special Effects Technician |
| 5164-01 | New | Specialised General Worker (Mahout), Grade R3 |
| 9622-02 | 96292 | Specialised General Worker, Grade R3 |
| 2221-17 | 32212 | Specialised Nurse |
| 2221-10 | New | Specialist Nurse |
| 2266-06 | New | Speech Pathologist |
| 2266-02 | 22662 | Speech Therapist |
| 2831-22 | New | Speech Writer |
| 7215-09 | 72156 | Splicer, Rope and Cable |
| 7113-14 | 71139 | Splitter, Sand |
| 7113-02 | 71131 | Splitter, Stone |
| 1621-01 | 14311 | Sports Activity Manager |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 3339-04 | 33393 | Sports Agent |
| 1621-15 | 14313 | Sports and Recreation Manager |
| 2846-12 | New | Sports Announcer |
| 1621-13 | 14313 | Sports Centre Manager |
| 3622-08 | 34221 | Sports Coach |
| 3622-20 | 34229 | Sports Instructor |
| 1621-05 | 14313 | Sports Manager |
| 3622-06 | 34221 | Sports Official |
| 3339-06 | 33395 | Sports Organiser |
| 2824-10 | New | Sports Psychologist |
| 2832-13 | New | Sports Writer |
| 3621-01 | 34211 | Sportsperson |
| 7132-01 | 71329 | Spray Painter |
| 7132-02 | 71321 | Spray Painter, Metal |
| 7132-03 | 71322 | Spray Painter, Vehicles |
| 8131-13 | 81312 | Spray-Dried Operator, Chemical Processes |
| 9329-12 | New | Stacker |
| 1621-14 | 14313 | Stadium Manager |
| 2424-01 | 24241 | Staff Training Officer |
| 2844-07 | 26541 | Stage Director |
| 1624-08 | 14314 | Stage Manager |
| 2844-13 | 26543 | Stage Producer |
| 3639-10 | New | Stage Technician |
| 2847-12 | New | Stand-up Comedian |
| 1111-07 | 11116 | State Exco |
| 1112-20 | New | State Secretary |
| 7233-12 | New | Stationary Engine Fitter |
| 3132-01 | 31321 | Stationary Engine Operator |
| 7233-13 | New | Stationary Engine Repairer |
| 0321-08 | New | Statistical Assistant |
| 3314-01 | 43124 | Statistical Assistant, Grade E17 |
| 4312-03 | 43121 | Statistical Clerk |
| 4131-03 | 41311 | Statistical Typist |
| 2121-25 | 21209 | Statistician, Agricultural |
| 2121-08 | 21203 | Statistician, Applied Statistics |
| 2121-11 | 21205 | Statistician, Biological |
| 2121-16 | 21206 | Statistician, Business and Economics |
| 2121-23 | 21209 | Statistician, Demography |
| 2121-13 | 21206 | Statistician, Economics |
| 2121-17 | 21207 | Statistician, Education |
| 2121-19 | 21208 | Statistician, Engineering |
| 2121-14 | 21206 | Statistician, Finance |
| 2121-02 | 21204 | Statistician, Grade E41 |
| 2121-12 | 21205 | Statistician, Health |
| 2121-15 | 21206 | Statistician, Market Research |
| 2121-20 | 21208 | Statistician, Mathematical |
| 2121-21 | 21208 | Statistician, Physical Science |
| 2121-24 | 21209 | Statistician, Public Opinion |
| 2121-18 | 21207 | Statistician, Social Science |
| 2121-09 | 21203 | Statistician, Survey |
| 2425-14 | 33435 | Statutory Body Executive Officer |
| 2144-24 | 21445 | Steam Engineer |
| 7114-05 | 71143 | Steel Bender |
| 7114-09 | 71146 | Steel Fixer |
| 8121-32 | New | Steel Roller |
| 7119-07 | 71196 | Steeplejack |
| 4131-02 | 41311 | Stenographer |
| 4121-12 | 41201 | Stenographer Secretary |
| 4121-13 | 41201 | Stenography Typing Secretary |
| 7316-08 | 73163 | Stereotyper |
| 5329-04 | New | Sterilisation Aide |
| 9333-04 | 93331 | Stevadore |
| 5111-06 | 51115 | Steward/Stewardess |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 5111-02 | 51112 | Steward/Stewardess Coordinator |
| 5111-03 | 51112 | Steward/Stewardess Supervisor |
| 0321-01 | New | Stewardess |
| 3139-03 | 31342 | Stillman |
| 3134-02 | 31342 | Stillman (Petroleum Refining) |
| 7621-09 | 75314 | Stitcher |
| 3311-02 | 33112 | Stock and Share Broker |
| 3311-04 | 33114 | Stock Broker |
| 4321-19 | 43212 | Stock Clerk |
| 4321-17 | 43212 | Stock Control Clerk |
| 9334-02 | 43212 | Stock Filler |
| 9334-03 | 43212 | Stock Handler |
| 4321-21 | 43212 | Stock Record Clerk |
| 4321-08 | New | Stock Worker |
| 2261-15 | New | Stomatologist |
| 7113-03 | 71132 | Stone Lathe Worker |
| 7112-02 | 71123 | Stonemason |
| 7113-13 | 71122 | Stonemason |
| 7112-05 | 71135 | Stonework Layout Man |
| 1324-11 | 13242 | Storage Manager |
| 4321-11 | 43211 | Store Assistant |
| 4321-06 | 43211 | Store Clerk |
| 4321-12 | 43211 | Store Controller |
| 4321-16 | 43211 | Store Coordinator |
| 2182-07 | 21824 | Store Executive |
| 4321-10 | 43211 | Store Receiving Assistant |
| 3129-06 | 31224 | Store Supervisor |
| 4321-13 | 43211 | Storekeeper |
| 4321-40 | New | Storeroom Clerk |
| 2845-03 | 26552 | Story Teller |
| 2845-04 | 26552 | Story Teller, Radio / Television |
| 1213-02 | New | Strategic Planning Manager |
| 2114-34 | 21149 | Stratigraphist |
| 9511-01 | New | Street Car Washer |
| 5212-02 | 52122 | Street Food Vendor |
| 5211-01 | 52111 | Street Stall Salesperson |
| 7312-03 | 73122 | Stringed Instrument Maker |
| 2142-40 | New | Structural Engineer |
| 7214-01 | 72141 | Structural Steel Worker |
| 2521-09 | New | Structured Query Language (SQL) Database Administrator |
| 2511-17 | New | Structured Query Language (SQL) Database Analyst |
| 2521-10 | New | Structured Query Language (SQL) Database Engineer |
| 2521-11 | New | Structured Query Language (SQL) Database Specialist |
| 3639-12 | New | Stunt Artist |
| 3639-11 | New | Stunt Coordinator |
| 2832-14 | New | Sub Editor |
| 6341-08 | New | Subsistence Collector |
| 6311-01 | 63101 | Subsistence Crop Grower |
| 6341-07 | New | Subsistence Fisherman |
| 6321-01 | 63201 | Subsistence Livestock Farmer |
| 6331-01 | 63301 | Subsistence Mixed Crop and Livestock Farmer |
| 2833-08 | New | Subfitter |
| 8131-34 | 81314 | Sulphur Burner |
| 4412-05 | 44123 | Summons Server |
| 2911-01 | 24411 | Superintendent of Customs, Grade W41 |
| 2919-04 | 24493 | Superintendent of Prison, Grade KX41 |
| 1221-08 | 12213 | Supermarket Manager |
| 5222-03 | New | Supermarket Supervisor |
| 3129-04 | 31293 | Supervisor |
| 6211-21 | 62113 | Supervisor, Log |
| 6111-18 | 31425 | Supervisor, Plantation |
| 4321-02 | 43211 | Supply Clerk |
| 1324-03 | 13242 | Supply Manager |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 3323-09 | New | Supply Officer |
| 0211-03 | New | Supply Officer |
| 3322-20 | 33227 | Support Salesperson |
| 3111-31 | New | Surface Weather Observer |
| 2212-17 | 22129 | Surgeon |
| 2212-19 | 22129 | Surgeon, Cardiology |
| 2212-20 | 22129 | Surgeon, Cardiothoracic |
| 2212-28 | 22129 | Surgeon, Ear, Nose and Throat |
| 2212-18 | 22129 | Surgeon, Hepatic |
| 2212-27 | 22129 | Surgeon, Neurosurgery |
| 2212-21 | 22129 | Surgeon, Ophthalmology |
| 2212-22 | 22129 | Surgeon, Orthopaedic |
| 2212-23 | 22129 | Surgeon, Osteopathic |
| 2212-24 | 22129 | Surgeon, Paediatric |
| 2212-26 | 22129 | Surgeon, Plastic and Reconstructive |
| 2212-29 | 22129 | Surgeon, Thoracic |
| 2212-25 | 22129 | Surgeon, Transplant |
| 2212-30 | 22129 | Surgeon, Traumatology |
| 2212-31 | 22129 | Surgeon, Urology |
| 2212-32 | 22129 | Surgeon, Vascular |
| 7311-02 | 73111 | Surgical Instrument Maker |
| 3212-15 | New | Surgical Technician |
| 4226-03 | 42273 | Survey Interviewer |
| 3112-11 | 31191 | Surveying Assistant |
| 3112-10 | 31191 | Surveying Technical Assistant |
| 3112-18 | New | Surveying Technician |
| 3119-01 | 31198 | Surveying Technician, Grade J17 |
| 2165-08 | 21652 | Surveyor |
| 2165-02 | 21655 | Surveyor, Grade J41 |
| 9613-03 | 96132 | Sweeper, Floor |
| 9613-02 | 96132 | Sweeper, Park |
| 9613-01 | 96131 | Sweeper, Road |
| 9613-07 | New | Sweeper, Street |
| 3622-17 | 34227 | Swimming Coach |
| 3622-23 | New | Swimming Instructor |
| 5419-08 | 54196 | Swimming Pool Attendant |
| 7514-04 | 75143 | Syrup Maker |
| 2522-13 | 25221 | System Administrator |
| 2512-19 | New | System Architect (IT) |
| 2522-19 | New | System Engineer (IT) |
| 2511-42 | New | System Engineer (Oracle) |
| 3511-17 | New | System Operator |
| 2514-07 | 25144 | System Programmer |
| 2141-07 | 21413 | Systems Analyst (Except Computers) |
| 2141-11 | 21413 | Systems Design Engineer |
| 2152-12 | 21523 | Systems Engineer |
| 2141-10 | 21413 | Systems Engineer (Except Computers) |
| 2519-02 | 25193 | Systems Tester |
| T | | |
| 3622-13 | 34224 | Taekwando Coach |
| 3622-15 | 34226 | Tai Chi Coach |
| 7621-02 | 75311 | Tailor |
| 1212-10 | New | Talent and Organisation Performance Manager |
| 2423-19 | New | Talent Management Specialist |
| 4321-26 | 43215 | Tally Clerk |
| 7625-02 | 75351 | Tanner |
| 5112-09 | New | Transport Conductor |
| 7515-05 | 75152 | Taster and Grader, Coffee |
| 7515-06 | 75153 | Taster and Grader, Food |
| 7515-07 | 75154 | Taster and Grader, Liquor |
| 7515-04 | 75151 | Taster and Grader, Tea |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 7515-02 | New | Taster, Beverages |
| 7515-01 | New | Taster, Food |
| 7515-11 | 75157 | Taster, Juice |
| 2411-12 | 24114 | Tax Accountant |
| 3712-04 | New | Tax Assistant |
| 4312-20 | 43115 | Tax Clerk |
| 2411-13 | 24114 | Tax Consultant |
| 3712-02 | 33521 | Tax Estimator Assistant |
| 2912-06 | New | Tax Officer |
| 3712-05 | New | Taxation Inspector's Assistant |
| 3141-11 | 31416 | Taxidermist |
| 2131-15 | 21311 | Taxonomist |
| 2131-17 | 21313 | Taxonomist, Animal |
| 2131-16 | 21312 | Taxonomist, Plant |
| 9112-11 | 91125 | Tea Lady |
| 2399-07 | 23601 | Teacher for the Exceptionally Intelligent |
| 2399-09 | 23914 | Teacher, Adult Education |
| 2399-08 | 23912 | Teacher, Home Economics |
| 2392-03 | 23923 | Teacher, Special Education for the Blind |
| 2392-01 | 23921 | Teacher, Special Education for the Deaf |
| 2392-02 | 23922 | Teacher, Special Education for the Dumb |
| 2392-04 | 23924 | Teacher, Special Education for the Mentally Disabled |
| 2392-05 | 23925 | Teacher, Special Education for the Physically Disabled |
| 2321-01 | 23201 | Teacher, Technical |
| 2399-11 | New | Teacher, Tuition |
| 2321-02 | 23201 | Teacher, Vocational |
| 5312-02 | 53121 | Teacher's Aide |
| 2391-05 | 23915 | Teaching Aid Specialist |
| 2144-37 | New | Technical Technology Engineer |
| 3322-09 | 33225 | Technical Adviser |
| 2512-20 | New | Technical Architect (IT) |
| 2166-22 | New | Technical Illustrator |
| 0211-02 | New | Technical Officer |
| 2514-03 | 25141 | Technical Programmer |
| 3322-08 | 33225 | Technical Sales Agent |
| 2433-11 | New | Technical Sales Representative |
| 2149-13 | 21493 | Technical Service Adviser |
| 2511-25 | New | Technical Specialist (.Net) |
| 2522-20 | New | Technical Specialist (IT) |
| 2511-31 | New | Technical Specialist (Java) |
| 2511-36 | New | Technical Writer |
| 2831-17 | 26414 | Technical Writer |
| 3112-09 | New | Technician |
| 3112-03 | 31125 | Technician (Architectural), Grade J17 |
| 3115-02 | New | Technician (Automotive), Grade J17 |
| 3112-02 | 31124 | Technician (Civil), Grade J17 |
| 3113-01 | 31136 | Technician (Electrical), J17 |
| 3114-01 | 31144 | Technician (Electronics), J17 |
| 3115-01 | 31153 | Technician (Mechanical), Grade J17 |
| 3112-01 | New | Technician, Grade J17 |
| 2142-11 | New | Technologist |
| 2142-15 | 21422 | Technologist, Building Materials |
| 2131-67 | New | Technologist, Green Technology |
| 2153-01 | New | Telecommunications Engineer |
| 2153-02 | 21531 | Telecommunications Engineer, Aerospace |
| 2153-06 | 21533 | Telecommunications Engineer, Microwave |
| 2153-03 | 21531 | Telecommunications Engineer, Radar |
| 2153-07 | 21533 | Telecommunications Engineer, Radio |
| 2153-04 | 21531 | Telecommunications Engineer, Signal Systems |
| 2153-09 | 21533 | Telecommunications Engineer, Telegraph |
| 2153-08 | 21533 | Telecommunications Engineer, Telephone |
| 2153-10 | 21533 | Telecommunications Engineer, Television |
| 2153-05 | 21532 | Telecommunications Engineering Technologist |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 3521-18 | 35216 | Telecommunications Equipment Technician |
| 4223-01 | New | Telecommunications Service Operator |
| 4223-06 | 42233 | Telecommunications Service Supervisor |
| 3522-04 | New | Telecommunications Technician |
| 5244-07 | 42224 | Telemarketer |
| 7422-02 | 74221 | Telephone and Telegraph Installer |
| 7422-03 | 74222 | Telephone and Telegraph Mechanic |
| 7422-04 | 74222 | Telephone and Telegraph Servicer |
| 4223-03 | 42231 | Telephone Exchange Telephone Operator |
| 4224-04 | 42264 | Telephone Receptionist |
| 4223-05 | 42232 | Telephone Switchboard Operator |
| 7422-01 | 74221 | Telephone Wireman |
| 4223-04 | 42231 | Telephonist |
| 5244-04 | New | Telesales Agent |
| 5244-05 | New | Telesales Executive |
| 5244-06 | New | Telesales Representative |
| 4131-06 | 41311 | Teletypist |
| 2832-15 | New | Television / Radio News Reporter |
| 2846-03 | 26561 | Television Announcer |
| 2844-18 | New | Television or Radio Technical Director |
| 8181-14 | 81845 | Temperer, Glass |
| 3622-14 | 34225 | Tennis Coach |
| 3621-06 | New | Tennis Player |
| 3716-06 | 33566 | Territorial Army Personnel |
| 0121-15 | New | Territorial Army Regiment Officer |
| 2519-07 | New | Test Engineer (IT) |
| 3115-24 | 31158 | Test Technician (Mechanical) |
| 7224-07 | 72245 | Textile Card Grinder |
| 2163-07 | 21632 | Textile Designer |
| 7318-07 | New | Textile Fibre Comber |
| 7318-08 | New | Textile Fibre Rover |
| 7322-02 | 73223 | Textile Printer |
| 2141-22 | 21416 | Textile Technologist |
| 2844-10 | 26541 | Theatre Director |
| 1624-10 | New | Theatre Manager |
| 2844-14 | 26543 | Theatre Producer |
| 3639-13 | New | Theatre Technician |
| 3339-05 | 33394 | Theatrical Agent |
| 3632-19 | 34325 | Theatrical Set Designer |
| 2265-05 | 22651 | Therapeutic Dietician |
| 2264-09 | 22642 | Therapeutic Masseur |
| 2144-32 | New | Thermal Engineer |
| 2144-33 | New | Thermal Mechanical Solution Engineer |
| 2151-18 | New | Thermal/Optic Specialist (LED) |
| 2111-10 | 21112 | Thermodynamicist |
| 7318-10 | New | Thread and Yarn Spinner |
| 8151-03 | 81511 | Thread and Yarn Spinner |
| 8151-02 | 81511 | Thread and Yarn Winder |
| 7224-11 | 72249 | Thread Grinder |
| 7314-06 | 73145 | Thrower, Pottery and Porcelain |
| 5112-02 | 51122 | Ticket Inspector |
| 7122-06 | 71225 | Tile Loyer |
| 7122-02 | 71221 | Tile Setter |
| 8111-09 | 81119 | Timberman, Underground |
| 2141-14 | 21414 | Time and Motion Engineer |
| 4311-22 | 43117 | Time Clerk |
| 7213-13 | New | Tinsmith |
| 3141-03 | 32122 | Tissue Culture Technician |
| 7516-07 | 75167 | Tobacco Dryer |
| 7516-08 | 75168 | Tobacco Slicer |
| 1113-07 | 11134 | <i>Tok Batin</i> |
| 1113-05 | 11132 | <i>Tok Sidang</i> |
| 5231-20 | New | Toll Teller |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 7222-03 | 72221 | Tool and Die Maker |
| 7224-13 | New | Tool Grinder |
| 8113-13 | New | Toolpusher |
| 7221-06 | 72215 | Toolsmith |
| 2165-11 | 21653 | Topographic Surveyor |
| 5113-08 | New | Tour Escort |
| 2432-13 | 24323 | Tourism Officer |
| 5113-01 | 51131 | Tourist Guide |
| 8113-14 | New | Tourpusher |
| 3118-03 | 31186 | Town and Country Planning Technician, Grade J17 |
| 2164-03 | 21641 | Town Planner |
| 2134-19 | 21346 | Toxicologist |
| 7612-14 | 75229 | Toy Maker, Wood |
| 3118-24 | 31181 | Tracer |
| 7322-05 | 73226 | Tracer, Textile Design |
| 9312-07 | 93135 | Trackman, Railway |
| 3324-03 | New | Trade Broker |
| 7213-02 | JPA | Tradesman – Boilermaker, Grade R11 |
| 7211-01 | New | Tradesman – Moulder, Grade R11 |
| 7231-02 | JPA | Tradesman - Tool Mechanic, Grade R17 |
| 7413-05 | New | Tradesman - Wire Assembler (Switchboard), Grade R9 |
| 7222-01 | New | Tradesman K1 – Toolmaker, Grade R17 |
| 7126-01 | 71263 | Tradesman K1, Grade R17 |
| 8212-01 | New | Tradesman K2 - Assembler (Aerial), Grade R11 |
| 7221-01 | New | Tradesman K2 – Blacksmith, Grade R11 |
| 7215-01 | New | Tradesman K2 - Cable Splicer, Grade R11 |
| 7411-01 | New | Tradesman K2 – Electrician, Grade R11 |
| 7413-02 | New | Tradesman K2 - Equipment Wiring (Electric), Grade R 9 |
| 8211-01 | New | Tradesman K2 - Fitter (Machinery), Grade R11 |
| 7612-01 | New | Tradesman K2 - Furniture Maker, Grade R11 |
| 7231-01 | New | Tradesman K2 - Mechanic (Motor Vehicle), Grade R11 |
| 7127-01 | New | Tradesman K2 - Refrigeration Mechanic, Grade R11 |
| 7213-01 | JPA | Tradesman K2 - Sheet-Metal Worker, Grade R11 |
| 7212-01 | JPA | Tradesman K2 - Welder (Actelene), Grade R11 |
| 7212-02 | JPA | Tradesman K2 - Welder (Electric), Grade R11 |
| 7126-02 | 71264 | Tradesman K2, Grade R11 |
| 8219-01 | New | Tradesman K3 - Apparatus Assembler, Grade R9 |
| 7115-01 | JPA | Tradesman K3 – Carpenter, Grade R9 |
| 7413-01 | New | Tradesman K3 - Electrical Wiring, Grade R9 |
| 7215-02 | New | Tradesman K3 - Erector (Electrical Equipment), Grade R9 |
| 7115-02 | JPA | Tradesman K3 – Joiner, Grade R9 |
| 7222-02 | New | Tradesman K3 – Loopmaker, Grade R9 |
| 7413-04 | New | Tradesman K3 - Maintenance (Telecommunications), Grade R9 |
| 7412-03 | New | Tradesman K3 - Maintenance R9 |
| 7113-01 | New | Tradesman K3 – Mason, Grade R9 |
| 7131-01 | New | Tradesman K3 - Painter and Writer, Grade R9 |
| 7621-01 | New | Tradesman K3 – Tailor, Grade R9 |
| 7413-03 | New | Tradesman K3 - Wire Assembler (Telecommunications), Grade R9 |
| 7126-03 | 71265 | Tradesman K3, Grade R9 |
| 1113-10 | 11136 | Traditional Chief |
| 3231-04 | 32302 | Traditional Chinese Medicine Dispenser |
| 3231-02 | 32302 | Traditional Chinese Medicine Practitioner |
| 3231-03 | 32303 | Traditional Indian Medicine Practitioner |
| 3231-01 | 32301 | Traditional Malay Medicine Practitioner |
| 2231-02 | 22302 | Traditional Medical Specialist |
| 3222-02 | 32221 | Traditional Midwife |
| 5419-14 | 54123 | Traffic Controller |
| 2164-05 | 21642 | Traffic Engineer |
| 2164-06 | 21642 | Traffic Planner |
| 5419-12 | New | Traffic Warden |
| 5112-04 | 51121 | Train Conductor |
| 7239-03 | New | Train Engine Fitter |
| 7239-04 | New | Train Engine Repairer |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 3153-01 | New | Train Technician |
| 2848-02 | 26582 | Trainer in Crocodile Farm |
| 2848-01 | 26581 | Trainer in Zoo, Bird and Aquatic Parks |
| 4419-02 | 23806 | Training Assistant, Grade E17 |
| 2423-15 | New | Training Consultant |
| 1212-02 | 12125 | Training Manager |
| 2399-01 | 23804 | Training Officer, Grade E41 |
| 2423-20 | New | Training Specialist |
| 5112-10 | New | Tram Conductor |
| 1211-13 | 12117 | Transaction Monitoring Manager |
| 2833-03 | 26431 | Translator |
| 2833-09 | New | Translator-Reviser |
| 4323-02 | 43231 | Transport Clerk |
| 1324-02 | 13241 | Transport Manager |
| 6224-02 | 62242 | Trapper |
| 4221-03 | 42213 | Travel Agency Clerk |
| 1621-03 | 14313 | Travel Agency Manager |
| 4221-05 | 42213 | Travel Clerk |
| 3332-03 | 33323 | Travel Consultant |
| 4221-01 | New | Travel Consultant |
| 4221-02 | New | Travel Coordinator |
| 5113-07 | 51134 | Travel Game Park Guide |
| 5113-02 | 51131 | Travel Guide |
| 3332-04 | 33324 | Travel Organiser |
| 5113-06 | 51134 | Travel Sightseeing Guide |
| 4221-06 | 42211 | Travel Ticket Issuing Clerk |
| 6223-03 | New | Trawler Crewman |
| 1312-05 | New | Trawler Manager |
| 1211-10 | 12114 | Treasury Manager |
| 8131-39 | 81315 | Treat Operator, Radioactive Waste |
| 9214-02 | 92143 | Tree Cutter |
| 6211-04 | New | Tree Feller |
| 9215-05 | 96296 | Tree Feller |
| 9215-04 | New | Tree Planter |
| 7234-02 | 72342 | Trishaw Repairer |
| 9621-21 | 96299 | Trolley Boy |
| 2619-04 | 26193 | Trust Officer |
| 1113-09 | 11134 | <i>Tuai Rumah</i> |
| 3112-14 | 31191 | Tunnel Boring Machine Technician |
| 8342-16 | 83429 | Tunnel Concretor |
| 8342-17 | 83429 | Tunnel Fabricator |
| 8342-18 | 83429 | Tunnel Worker |
| 3131-05 | 31315 | Turbine Operator |
| 7314-05 | 73145 | Turner, Pottery and Porcelain |
| 7612-10 | 75229 | Turner, Wood (Hand) |
| 2311-11 | 23104 | Tutor |
| 7321-04 | 73213 | Typesetter |
| 4121-10 | 41201 | Typing Secretary |
| 4131-01 | 41311 | Typist |
| 2166-05 | 21665 | Typographical Designer |
| 2145-22 | 21458 | Tyre Technologist |
| U | | |
| 2311-04 | 23108 | UiTM Assistant Lecturer, Grade DM29 |
| 2311-03 | 23107 | UiTM Lecturer, Grade DM41 |
| 3256-13 | 32565 | Ultrasonographer |
| 1113-12 | New | <i>Undang</i> |
| 5163-02 | 51631 | Undertaker |
| 7631-04 | New | Underwater Diver |
| 3623-10 | New | Underwater Diving Instructor |
| 7212-08 | 72128 | Underwater Welder |
| 7631-03 | 75413 | Underwater Worker |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 2311-01 | 23105 | University Lecturer, Grade DS45 |
| 9629-02 | 96293 | Unskilled Labourer |
| 7624-07 | 75347 | Upholsterer, Aircraft |
| 7624-01 | 75341 | Upholsterer, Furniture |
| 7624-09 | New | Upholsterer, Orthopaedic |
| 7624-08 | 75348 | Upholsterer, Railway Carriage |
| 7624-02 | 75342 | Upholsterer, Vehicle |
| 2164-04 | 21641 | Urban and Rural Planner |
| 2164-01 | 21643 | Urban and Rural Planning Officer, Grade J41 |
| 2212-62 | 22129 | Urologist |
| 2371-02 | 23701 | <i>Ustaz / Ustazah</i> |
| V | | |
| 6129-02 | 61296 | Vaccinator |
| 8131-26 | 81314 | Vacuum Pan Chemical Operator (Except Petroleum and Natural Gas) |
| 8161-16 | 81602 | Vacuum Pan Operator, Condensed Milk |
| 5162-04 | 51622 | Valet |
| 3315-01 | 43126 | Valuation Assistant, Grade W17 |
| 2912-04 | 24219 | Valuation Officer |
| 3315-03 | 33153 | Valuer |
| 8171-13 | New | Valve Operator |
| 8171-07 | 81717 | Valve Operator, Paper Pulp |
| 2145-10 | 21453 | Varnish Engineer |
| 7132-04 | New | Varnisher |
| 7132-05 | 71325 | Varnisher, Manufactured Articles |
| 7132-06 | 71326 | Varnisher, Metal |
| 7132-08 | New | Varnisher, Rattan |
| 7132-07 | New | Varnisher, Wood |
| 7514-08 | New | Vegetable /Fruit Pickler |
| 6115-01 | 61151 | Vegetable Grower |
| 7514-05 | 75144 | Vegetable Juice Maker |
| 9211-14 | New | Vegetable Picker |
| 7514-02 | 75142 | Vegetable Preserver |
| 7231-12 | New | Vehicle Body Frame Maker |
| 3154-05 | New | Vehicle Body Frame Technician |
| 7231-13 | New | Vehicle Body Panel Beater |
| 7231-10 | 72318 | Vehicle Foreman |
| 3257-19 | 32575 | Vehicle Safety Inspector |
| 7612-08 | 75227 | Veneer Applier |
| 2212-63 | 22129 | Venereologist |
| 2847-06 | 26574 | Ventriloquist |
| 3343-08 | 33431 | Verbatim Reporter |
| 2831-07 | 26412 | Versifier |
| 2251-03 | 22501 | Veterinarian |
| 5164-05 | 51641 | Veterinary Aide |
| 3241-06 | 32402 | Veterinary Artificial Insemination Assistant |
| 3241-05 | 32401 | Veterinary Assistant |
| 3241-01 | 32405 | Veterinary Assistant, Grade G17 |
| 3241-08 | New | Veterinary Biotech Production Technician |
| 3241-03 | New | Veterinary Biotech Research Technician |
| 2426-09 | New | Veterinary Biotech Researcher |
| 2251-04 | 22501 | Veterinary Epidemiologist |
| 3241-09 | New | Veterinary Nurse |
| 2251-01 | 22504 | Veterinary Officer, Grade G41 |
| 2251-05 | 22502 | Veterinary Surgeon |
| 3241-02 | New | Veterinary Technician |
| 3241-04 | 32403 | Veterinary Vaccinator |
| 1615-09 | 13452 | Vice Chancellor |
| 2166-26 | New | Video Game Artist |
| 2514-12 | New | Video Game Programmer |
| 4214-11 | 42145 | Video Tape Rental Clerk |
| 3521-23 | New | Videographer |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|---|
| 1113-04 | 11132 | Village Head |
| 3231-05 | 32307 | Village Healer |
| 3253-04 | New | Village Health Worker |
| 2131-06 | 21316 | Virologist |
| 2166-17 | New | Virtual Environment Designer |
| 3632-10 | 34322 | Visual Merchandiser |
| 2391-06 | 23915 | Visual Teaching Aid Specialist |
| 2166-34 | New | Visualisation Specialist |
| 2842-12 | 26523 | Vocal Group Conductor |
| 2423-13 | New | Vocational Guidance Counsellor |
| 2424-02 | 24242 | Vocational Staff Training Officer |
| 2399-06 | 23995 | Vocational Student Counsellor |
| 2381-01 | 23801 | Vocational Training Assistant/ Assistant Vocational Training Officer/ Vocational Training Officer, Grade J17 |
| 2151-17 | New | Voltage Regulator Designer |
| W | | |
| 3719-07 | 33595 | Wage Inspector |
| 4313-02 | 43131 | Wages Clerk |
| 5131-01 | 51311 | Waiter |
| 5131-02 | New | Waiter |
| 5131-03 | 51314 | Waiter, Banquet |
| 7131-07 | 71313 | Wallpaper Hanger |
| 5153-05 | 51522 | Warden, Camp |
| 5153-04 | 51522 | Warden, Dormitory |
| 5153-03 | 51522 | Warden, Hostel |
| 4419-16 | 51514 | Wardrobe Assistant |
| 4419-04 | 51516 | Wardrobe Supervisor, Grade N17 |
| 4321-09 | 43211 | Warehouse Assistant |
| 4321-03 | 43211 | Warehouse Clerk |
| 2182-06 | 21824 | Warehouse Executive |
| 1324-04 | 13242 | Warehouse Manager |
| 3119-25 | 31224 | Warehouse Technician |
| 9112-04 | 91125 | Washer |
| 9122-03 | 91224 | Washer, Auto-polish |
| 9329-05 | 93295 | Washer, Hand Manufacturing |
| 9122-02 | 91222 | Washer, Vehicles (Hand) |
| 9612-05 | New | Waste Picker |
| 3132-14 | New | Waste Water Operator |
| 3257-43 | New | Waste Water Treatment Plant Inspector |
| 7311-07 | 73114 | Watch and Clock Maker |
| 7311-15 | 73114 | Watch and Clock Repairer |
| 5414-13 | 54147 | Watchman |
| 9624-02 | 96242 | Water Carrier |
| 3257-35 | New | Water Inspector |
| 3119-04 | 34115 | Water Supply Superintendent, Grade J17 |
| 3132-09 | 31328 | Water Treatment Plant Operator |
| 0311-10 | New | Weapon Sensor Branch Officer |
| 0321-05 | New | Weapon Technician |
| 2112-08 | 21123 | Weather Forecaster |
| 2112-15 | New | Weather Service Specialist |
| 7621-23 | 75319 | Weaver, Fabric Gloves |
| 7318-01 | 73181 | Weaver, Songket |
| 2166-31 | New | Web Animator |
| 2166-02 | 21662 | Web Designer |
| 7322-12 | New | Web Press Operator |
| 2512-16 | New | Web Programmer (PHP) |
| 3514-02 | 35141 | Web Technician |
| 2513-04 | 35142 | Webmaster |
| 2513-05 | 35143 | Website Administrator |
| 2513-03 | 25132 | Website Architect |
| 2513-01 | 25131 | Website Developer |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 3514-01 | 35141 | Website Technician |
| 3332-06 | New | Wedding Planner |
| 7634-09 | New | Weed Controller |
| 4321-23 | 43213 | Weighbridge Clerk |
| 4321-24 | 43213 | Weighbridge-Security Controller |
| 4321-22 | 43213 | Weighing Clerk |
| 3719-06 | 33591 | Weight and Measures Inspector |
| 7212-03 | 72121 | Welder |
| 2144-27 | 21449 | Welding Technologist |
| 1614-04 | New | Welfare Centre Manager |
| 3611-05 | 34121 | Welfare Officer, Industry |
| 3611-06 | 34121 | Welfare Officer, Probation |
| 3611-17 | 34121 | Welfare Organiser |
| 3611-25 | New | Welfare Support Worker |
| 3117-16 | 31174 | Well Acidising Treater |
| 7126-11 | 71266 | Well Digger |
| 6224-04 | New | Whale Hunter |
| 4323-21 | 43235 | Wharfinger |
| 7234-06 | New | Wheelchair Repairer |
| 5211-08 | 52117 | Wholesale and Retail Salesperson |
| 1421-05 | 14202 | Wholesale Trade Manager |
| 1421-12 | 14202 | Wholesale Trade Manager, Export |
| 1421-13 | 14202 | Wholesale Trade Manager, Import |
| 1421-04 | 14202 | Wholesaler |
| 7317-10 | 73178 | Wicker Maker |
| 3142-02 | 54198 | Wildlife Assistant, Grade G17 |
| 2131-01 | 21337 | Wildlife Officer, Grade G41 |
| 5419-05 | 54192 | Wildlife Warden |
| 8342-09 | 83426 | Winchman, Dredging |
| 9329-03 | 93293 | Winder, Hand Coil |
| 3632-13 | 34322 | Window Display Designer |
| 3632-23 | New | Window Dresser |
| 3113-03 | 31131 | Wire Cutting Technician |
| 2152-39 | New | Wirebond Engineer |
| 4419-03 | 74218 | Wireless Operator, Grade N17 |
| 7412-07 | 74123 | Wireman |
| 2825-12 | New | Women's Welfare Organiser |
| 3611-26 | New | Women's Shelter Supervisor |
| 2133-15 | 21334 | Wood Analyst |
| 2133-09 | 21334 | Wood Anatomist |
| 7115-13 | 71159 | Wood Engraver |
| 7611-01 | 75211 | Wood Impregnator |
| 7612-19 | New | Wood Pattern-Maker |
| 7613-07 | New | Wood Product Machine Operator |
| 7611-03 | 75212 | Wood Seasoner |
| 2141-23 | 21417 | Wood Technologist |
| 7611-02 | 75211 | Wood Treater |
| 7312-06 | 73124 | Woodwind Instrument Maker |
| 7613-08 | New | Woodworking Lathe Operator |
| 7613-09 | New | Woodworking Machine Setter |
| 7633-03 | New | Wool Classer |
| 4121-09 | 41201 | Word Processing Secretary |
| 4131-08 | 41312 | Word Processor |
| 2141-12 | 21414 | Work Study Engineer |
| 9122-04 | 91225 | Worker, Auto-sanding |
| 6123-07 | 61294 | Worker, Bee Keeping |
| 7119-01 | 71191 | Worker, Building Maintenance |
| 9211-21 | New | Worker, Crop Carn Product |
| 7324-05 | 73245 | Worker, Darkroom |
| 7221-04 | 72213 | Worker, Drop Hammer |
| 9216-04 | 62212 | Worker, Fish Cage |
| 9216-08 | New | Worker, Fishery and Aquaculture Products |
| 9214-04 | 92145 | Worker, Golf Course Maintenance |

| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|--|
| 9211-12 | New | Worker, Harvesting |
| 8141-21 | 93227 | Worker, Heavecrumb Process |
| 6129-03 | 61297 | Worker, Incubator |
| 9629-03 | 96295 | Worker, Inflatable |
| 7114-04 | 71143 | Worker, Iron Reinforcing |
| 9121-01 | 91211 | Worker, Laundry and Dry Cleaning |
| 9313-03 | 93132 | Worker, Maintenance |
| 9211-11 | 92113 | Worker, Manuring |
| 7221-05 | 72214 | Worker, Metal Forging |
| 8112-07 | 81123 | Worker, Mineral Floatation |
| 9214-03 | 92144 | Worker, Playground Maintenance |
| 9611-01 | 96111 | Worker, Refuse Disposal |
| 9216-07 | New | Worker, Salted Egg |
| 9216-06 | New | Worker, Salted Fish |
| 6123-08 | 61297 | Worker, Sericulture |
| 7621-10 | 75315 | Worker, Sewing |
| 9333-03 | 72336 | Worker, Shipyard |
| 9311-07 | 81129 | Worker, Stone |
| 9333-15 | 93353 | Worker, Store |
| 9311-03 | 93111 | Worker, Tin Mine |
| 9129-01 | 91291 | Worker, Toiletries |
| 9333-16 | 93354 | Worker, Warehouse |
| 9129-02 | 91293 | Worker, Washing |
| 2424-03 | New | Workforce Development Specialist |
| 7231-07 | 72315 | Workshop Mechanic |
| 7231-09 | 72317 | Workshop Worker |
| 9321-03 | New | Wrapper (Hand) |
| 3621-07 | New | Wrestler |
| 8152-06 | 81523 | Wrinkle Machine Operator, Textile |
| 2831-09 | 26412 | Writer, Comedy |
| X | | |
| 3256-08 | 32561 | X-Ray Equipment Technician |
| 3211-02 | 32112 | X-ray Technician |
| 3211-01 | 32111 | X-ray Technician, Grade U29 |
| 2269-01 | 22691 | X-Ray Technician, Grade U41 |
| Y | | |
| 3152-03 | 31522 | Yacht Skipper |
| 8312-04 | 83124 | Yardman |
| 8131-36 | 81314 | Yarn Maker, Synthetic |
| 7512-05 | 75126 | Yeast Maker |
| 3622-16 | 34226 | Yoga Coach |
| 7513-02 | 75132 | Yogurt Maker |
| 3622-05 | 41105 | Youth and Sports Assistant, Grade S17 |
| 3622-01 | 24327 | Youth and Sports Officer, Grade S41 |
| 3611-27 | New | Youth Worker |
| Z | | |
| 5164-04 | New | Zookeeper |
| 3141-10 | 31415 | Zoological Research Laboratory Assistant |
| 3141-09 | 31415 | Zoological Technician |
| 2131-40 | 21313 | Zoologist |
| 2131-50 | 21315 | Zoologist, Ecology |
| 2131-41 | 21313 | Zoologist, Embryology |
| 2131-42 | 21313 | Zoologist, Entomology |
| 2131-43 | 21313 | Zoologist, Histology |
| 2131-44 | 21313 | Zoologist, Ichthyology |
| 2131-45 | 21313 | Zoologist, Mammalogy |
| 2131-46 | 21313 | Zoologist, Ornithology |

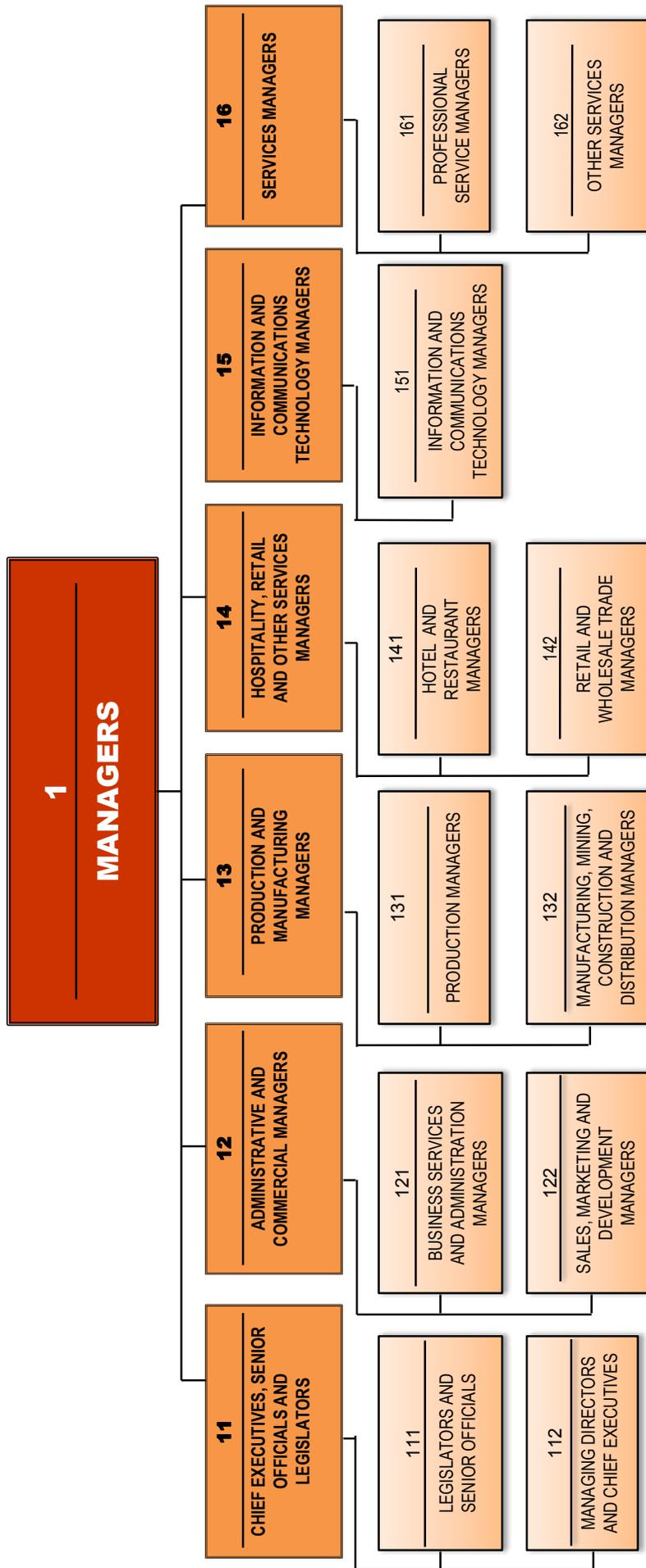
| MASCO 2013 | MASCO 2008 | JOB TITLE |
|---------------|---------------|----------------------------|
| 2131-47 | 21313 | Zoologist, Parasitology |
| 2131-48 | 21313 | Zoologist, Pisciculture |
| 2131-49 | 21313 | Zoologist, Taxonomy |
| 2511-21 | New | .Net Consultant |
| 2512-05 | New | .Net Developer |
| 2514-17 | New | .Net Programmer |
| 2514-10 | New | .NetAnalyst Programmer |
| 2511-22 | New | .NetApplication Consultant |
| 2511-19 | New | .NetProgrammer Analyst |



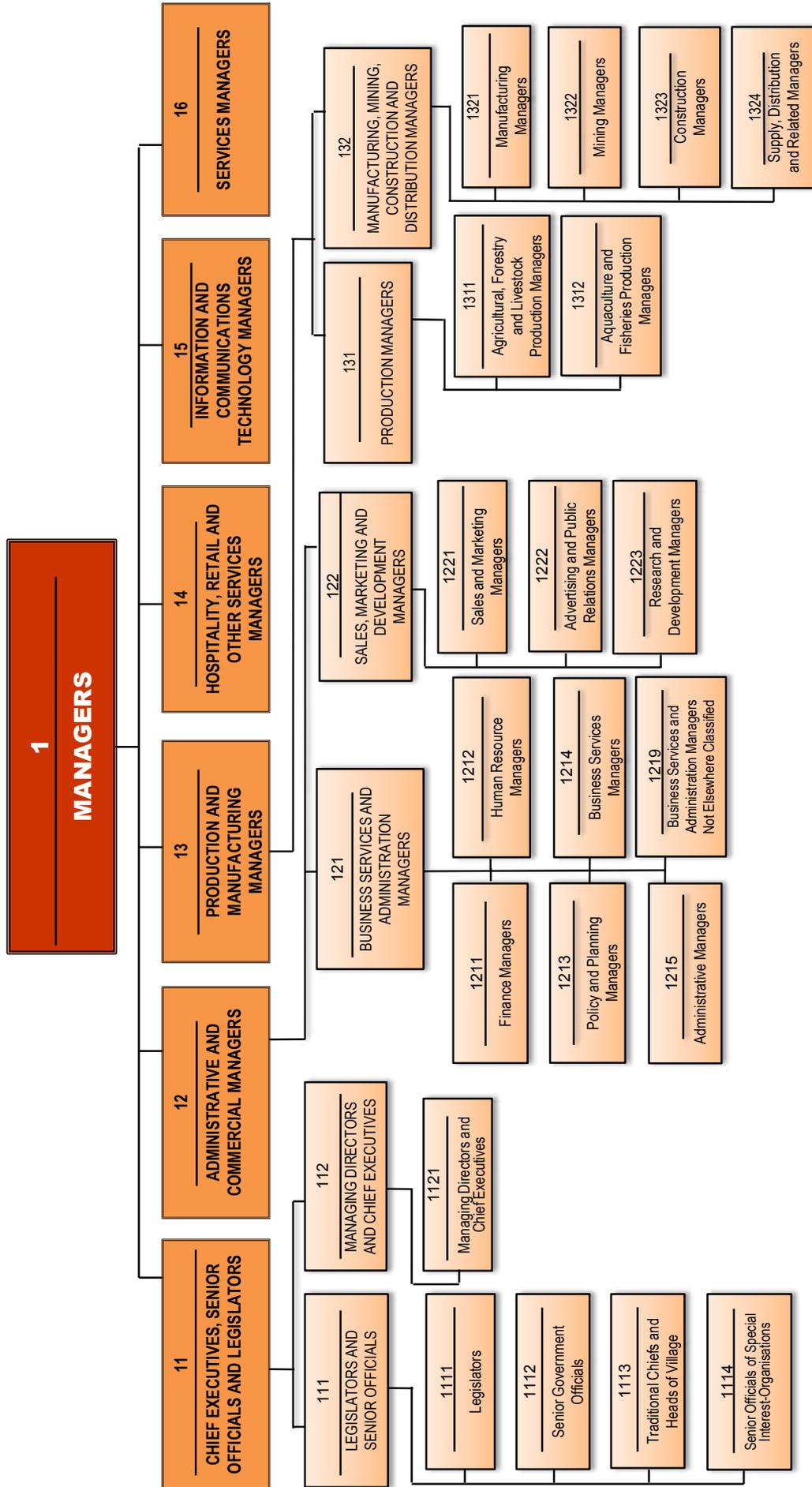
The background features a dynamic, abstract composition of flowing, translucent lines in shades of orange, gold, and yellow. These lines create a sense of movement and depth, resembling liquid or energy. A semi-transparent horizontal band is centered across the image, providing a clear space for the text.

MASCO CHART

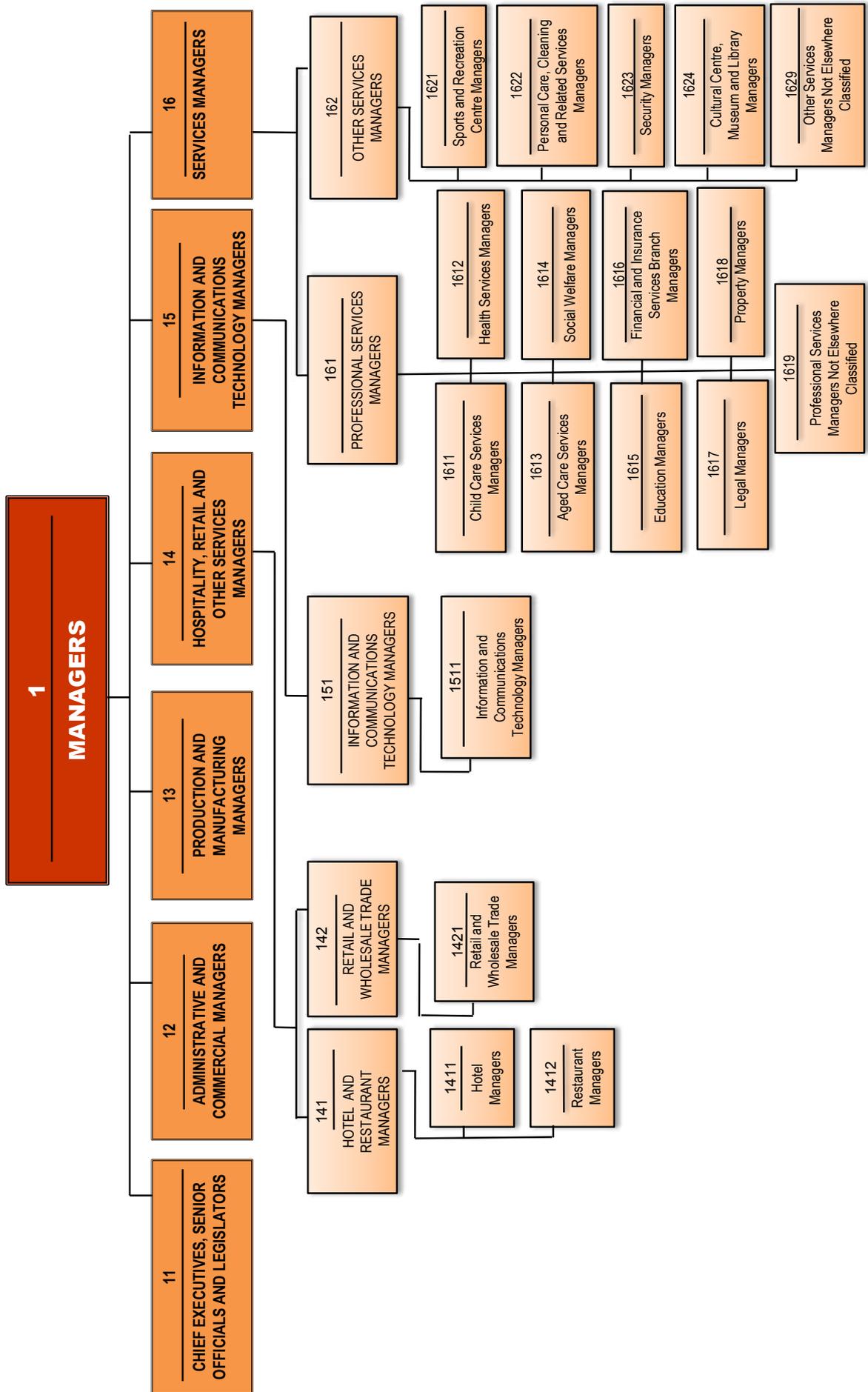
MAJOR GROUP 1 MANAGERS



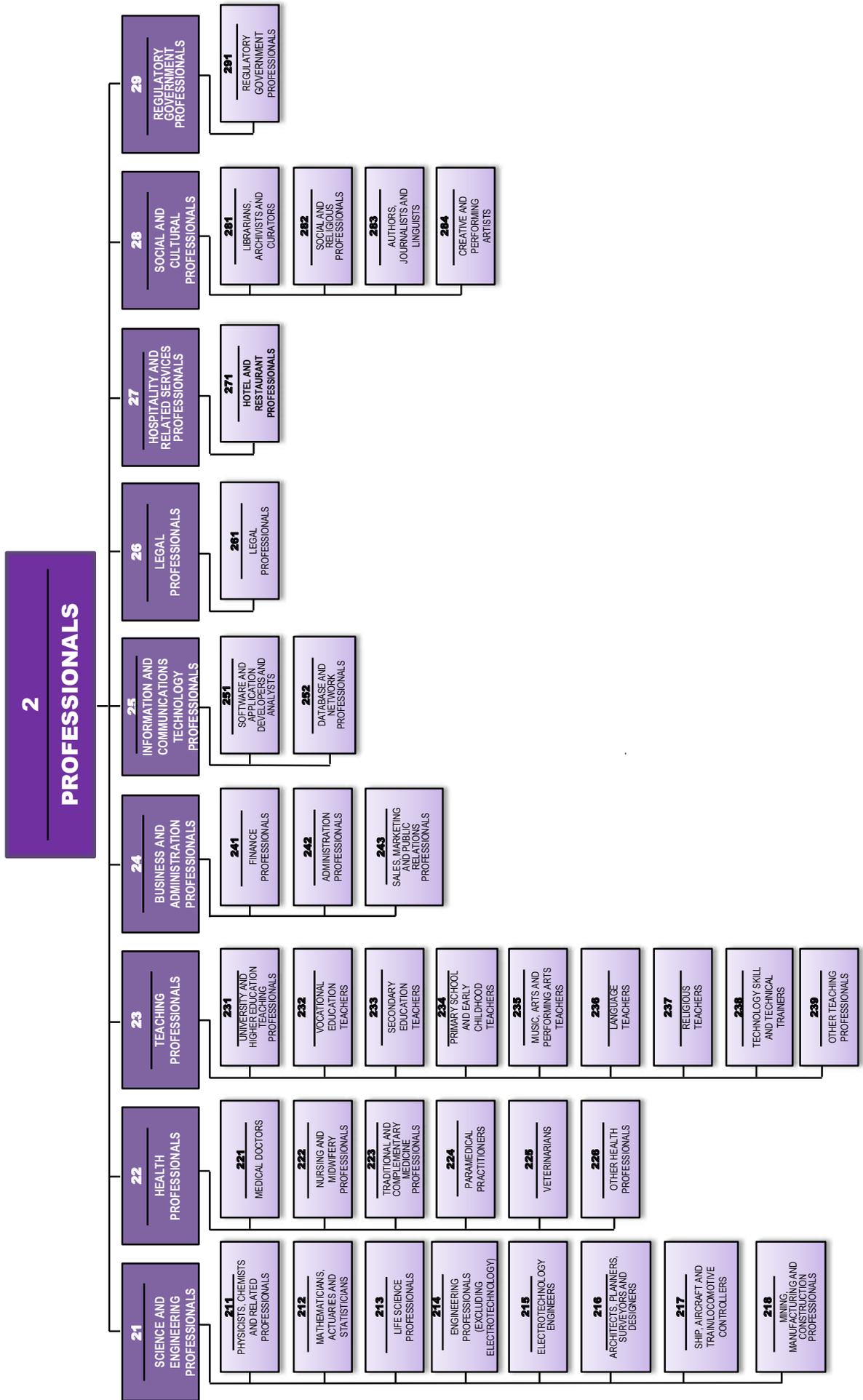
MAJOR GROUP 1 MANAGERS



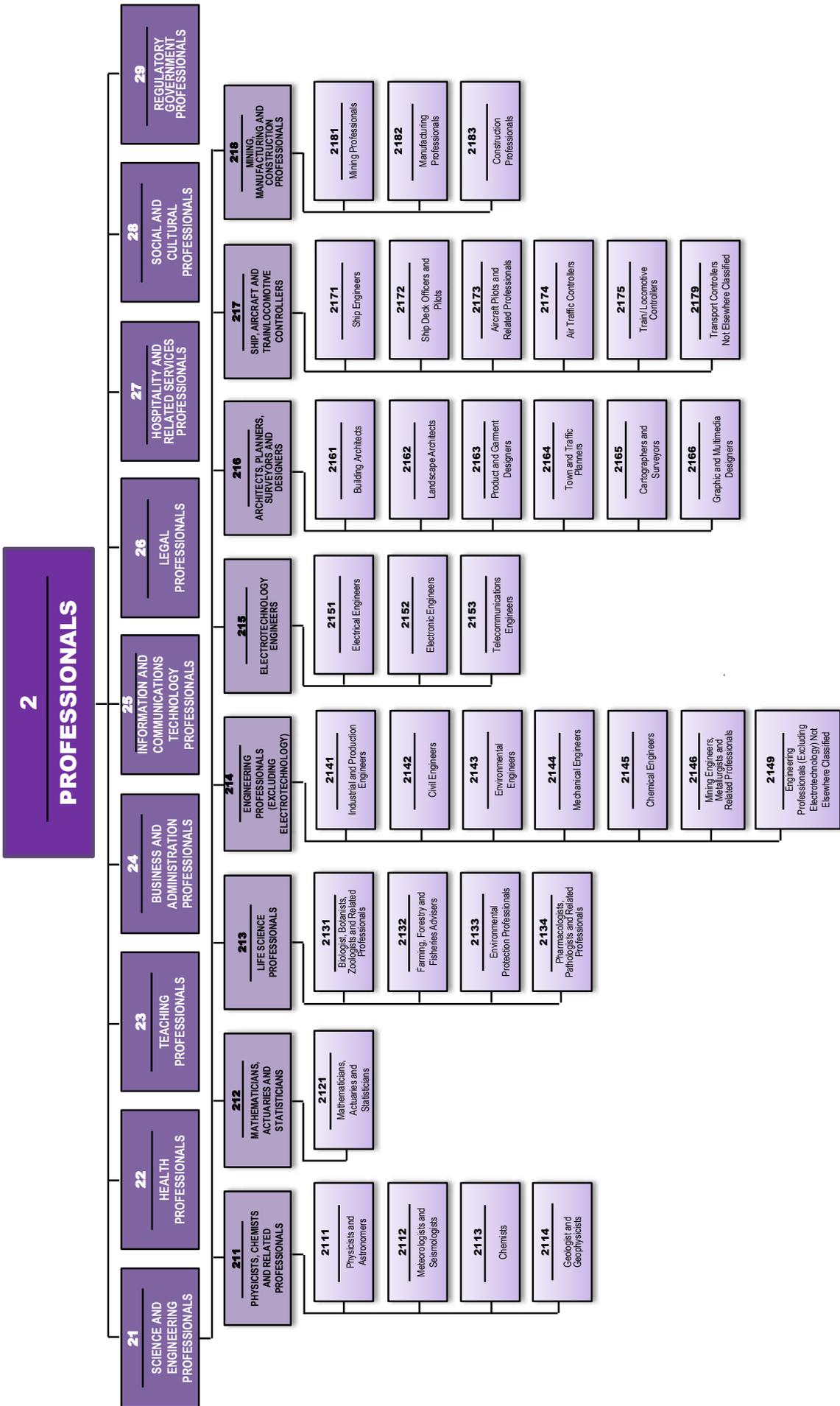
MAJOR GROUP 1 MANAGERS



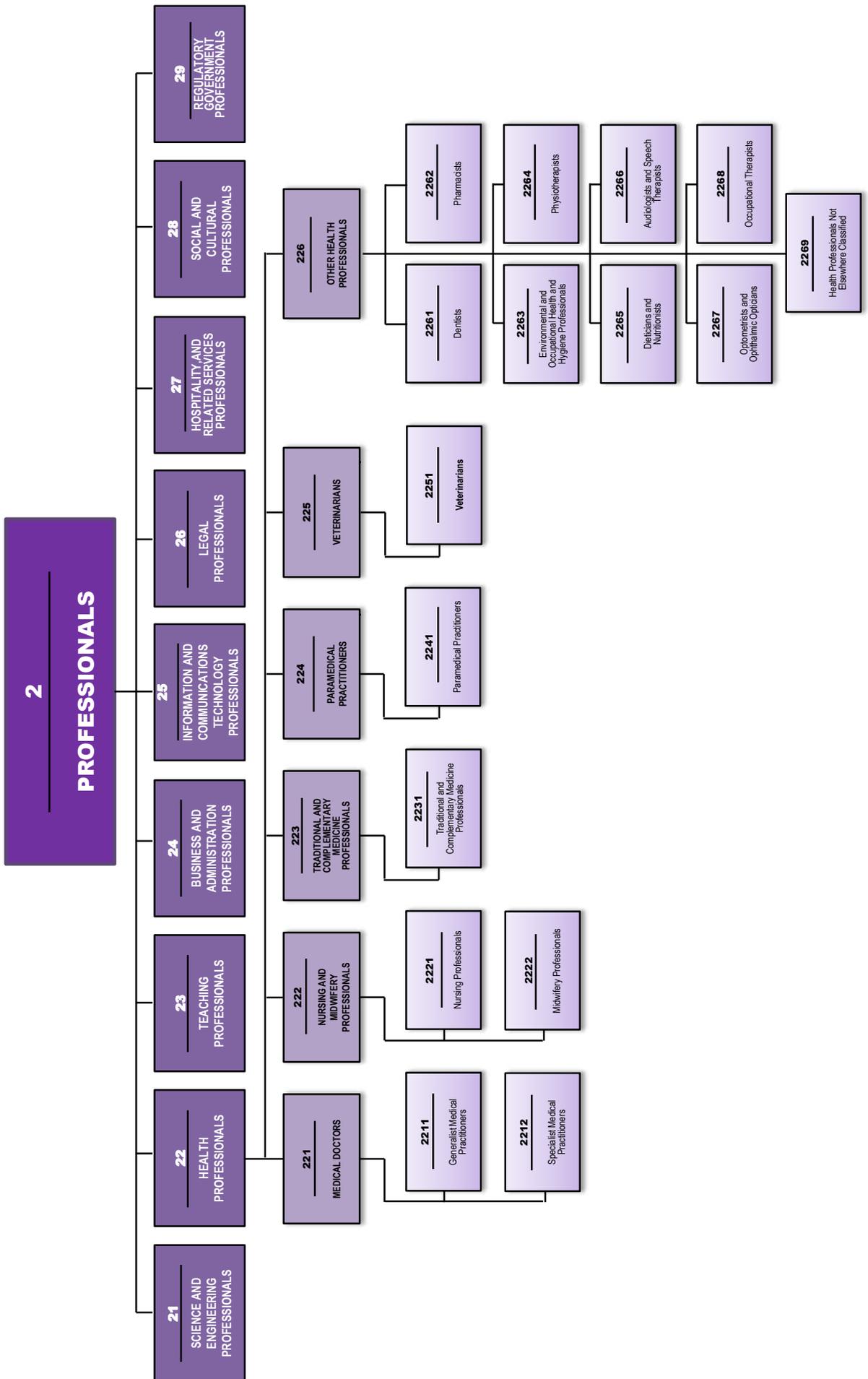
MAJOR GROUP 2 PROFESSIONALS



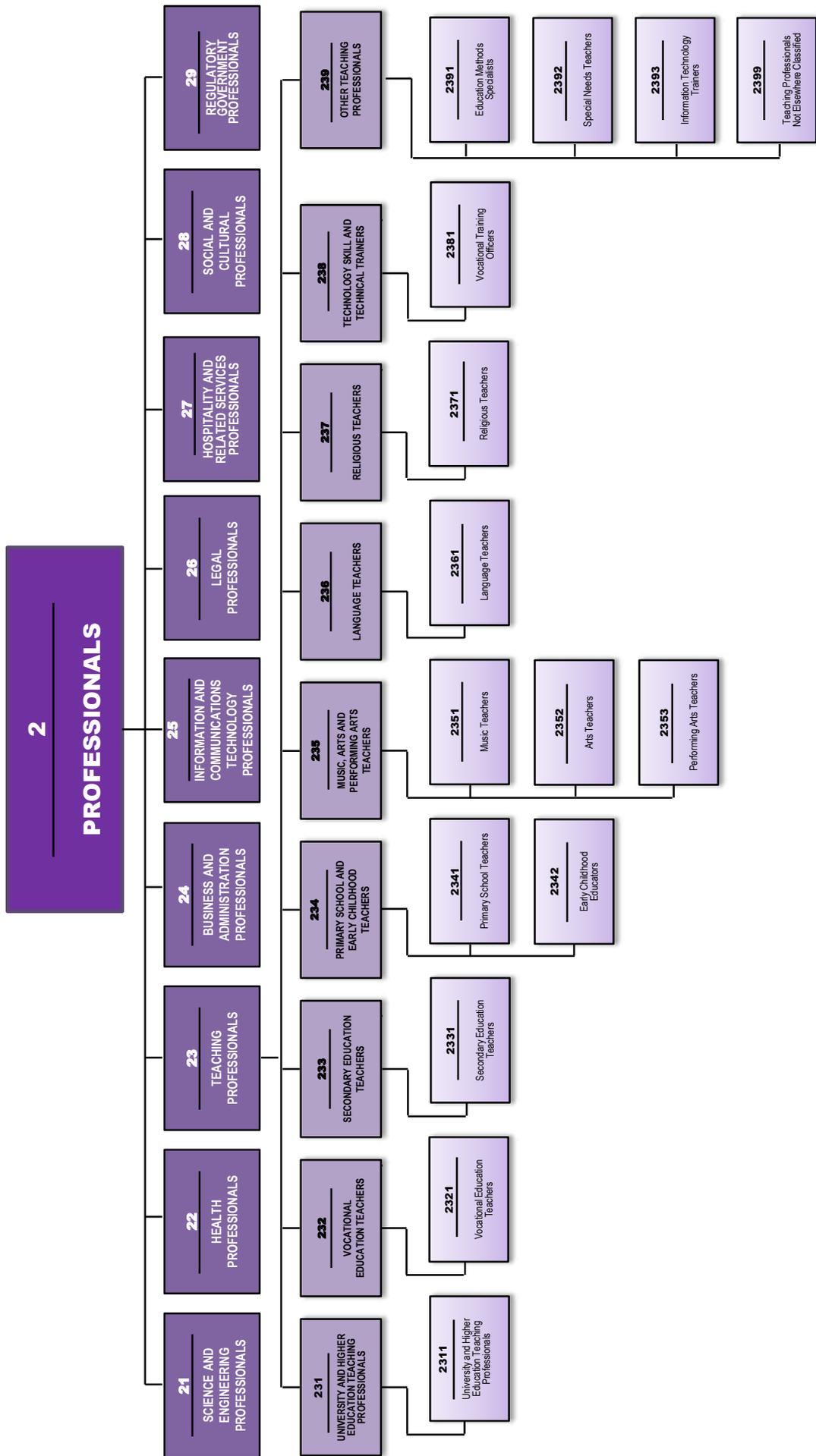
MAJOR GROUP 2 PROFESSIONALS



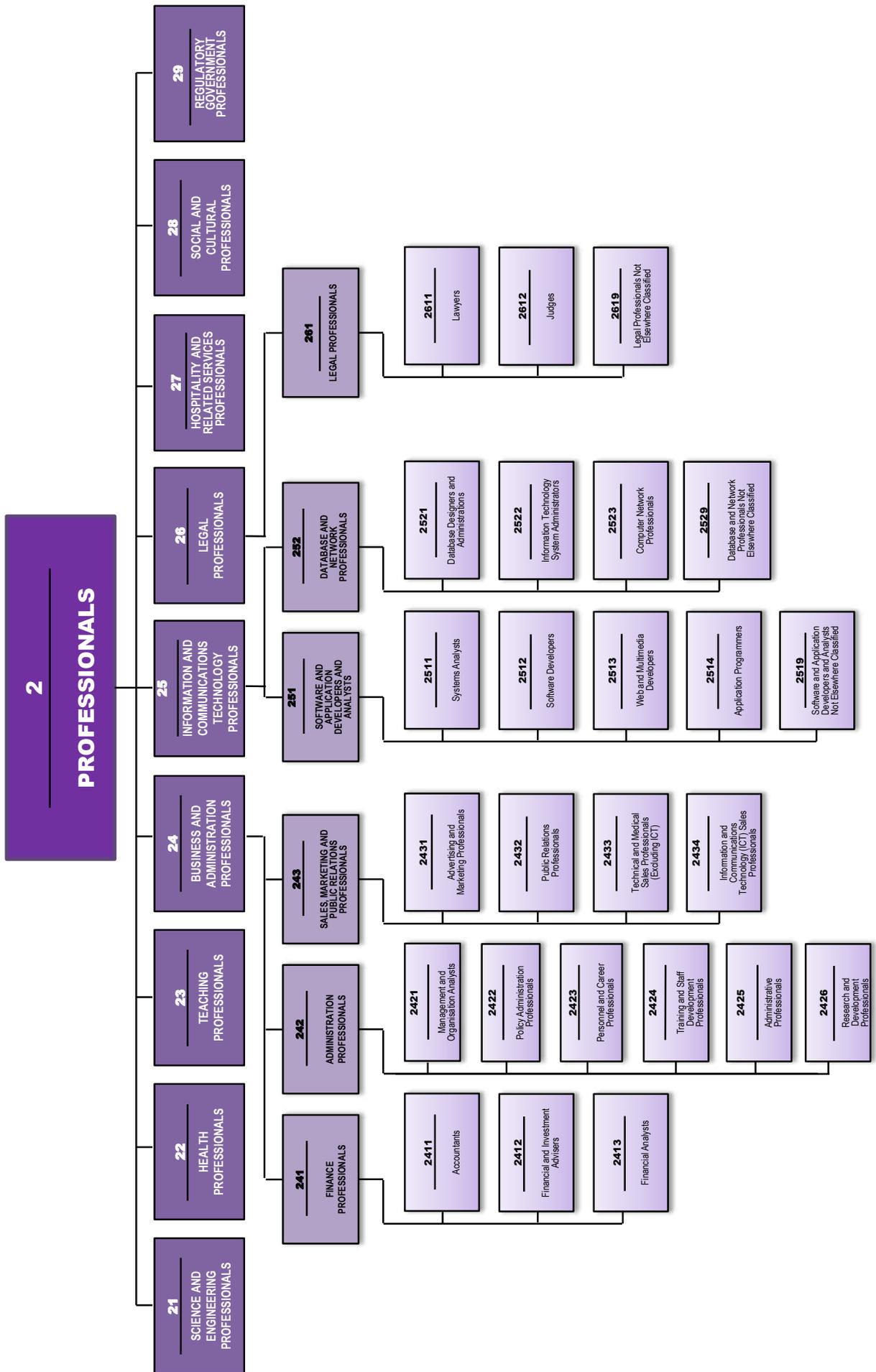
MAJOR GROUP 2 PROFESSIONALS



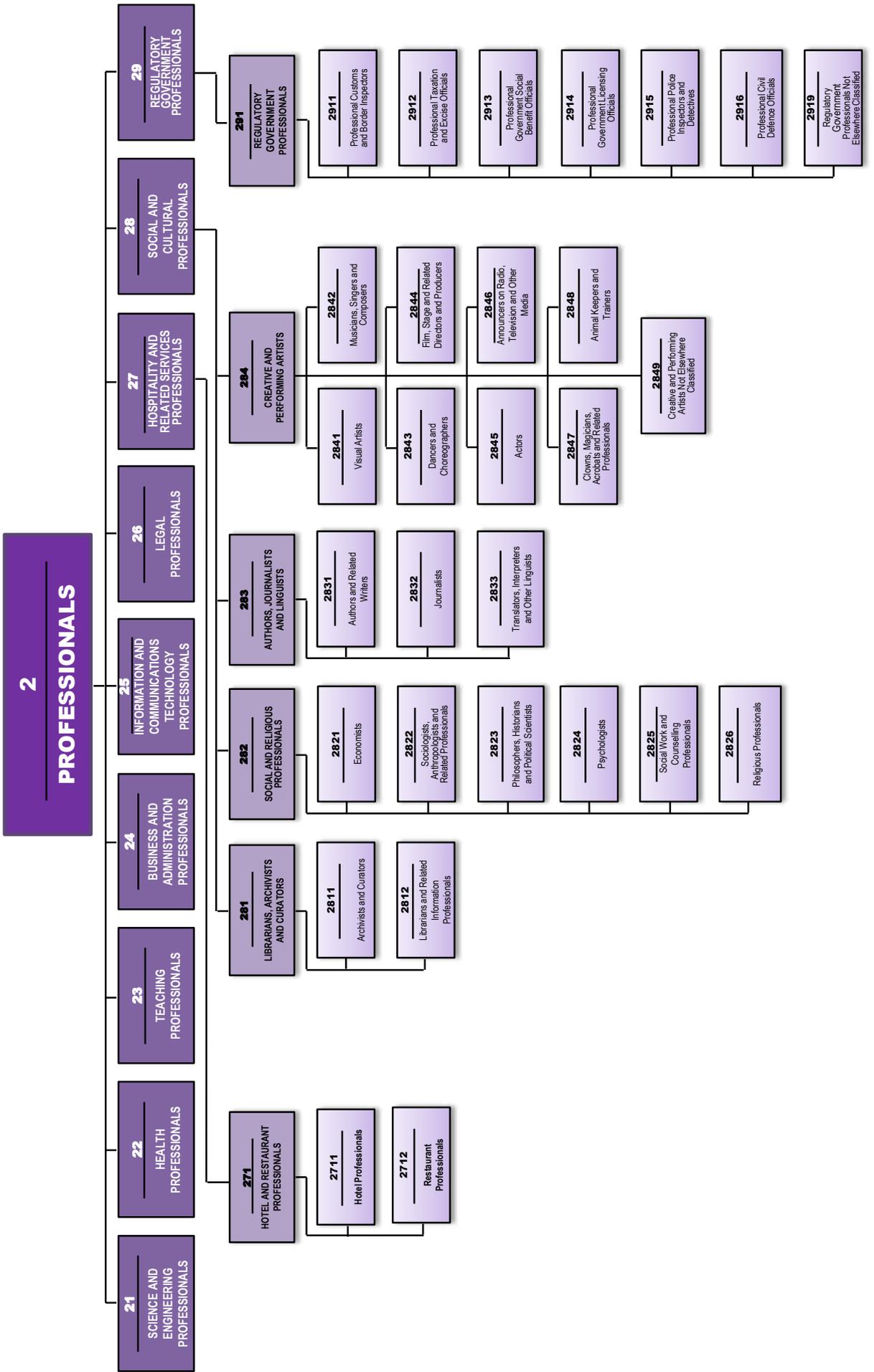
MAJOR GROUP 2 PROFESSIONALS



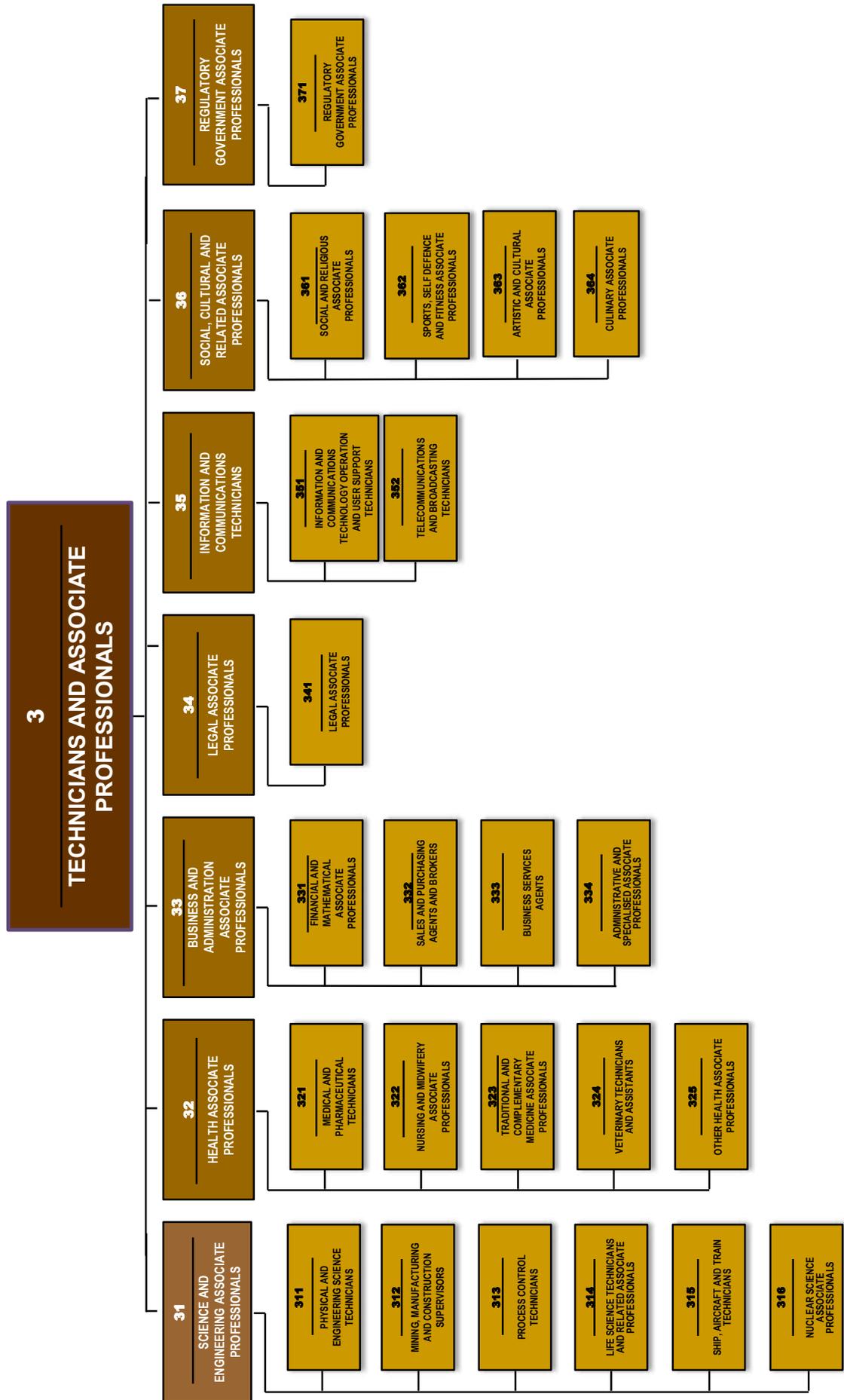
MAJOR GROUP 2 PROFESSIONALS



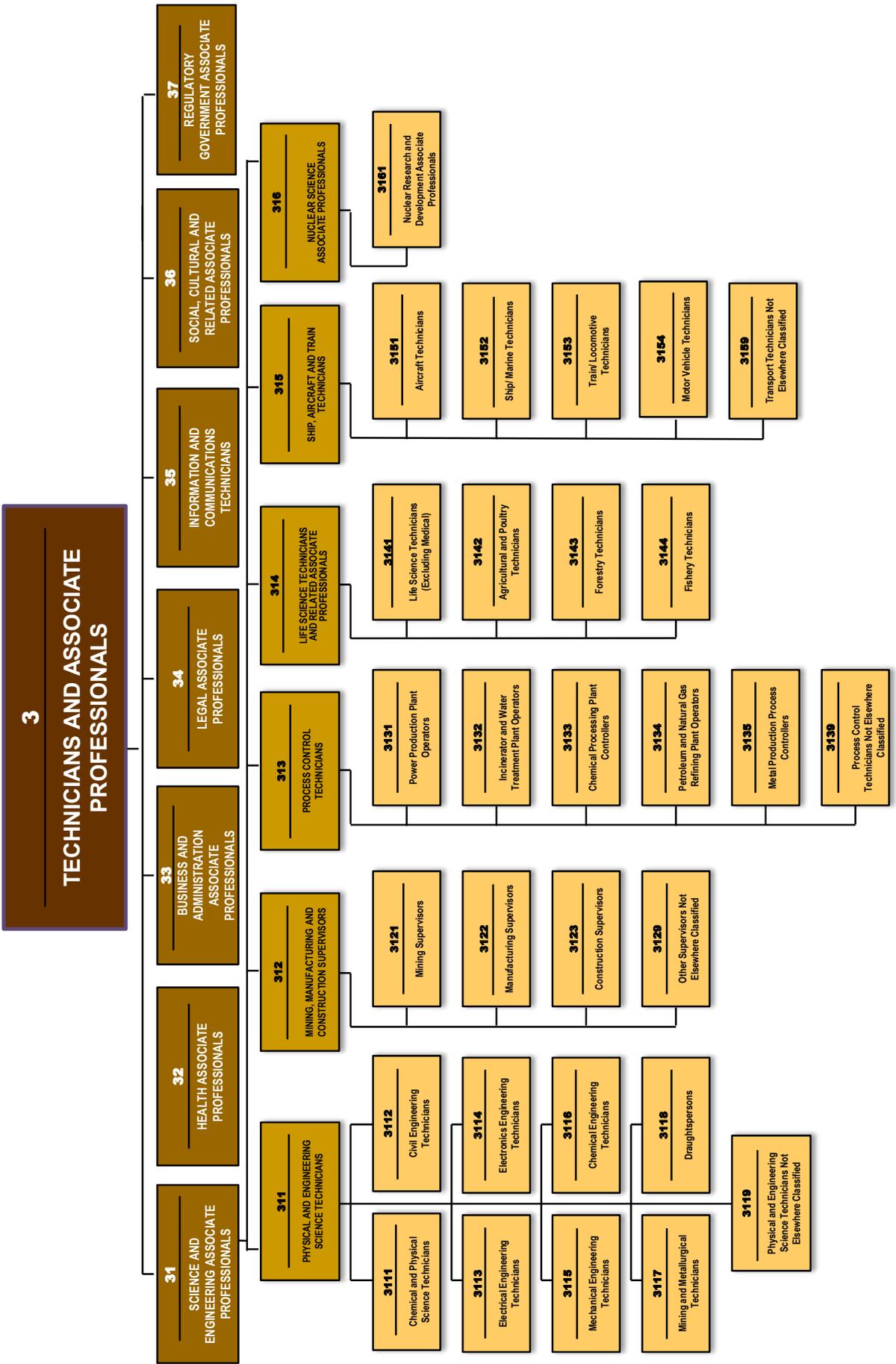
MAJOR GROUP 2 PROFESSIONALS



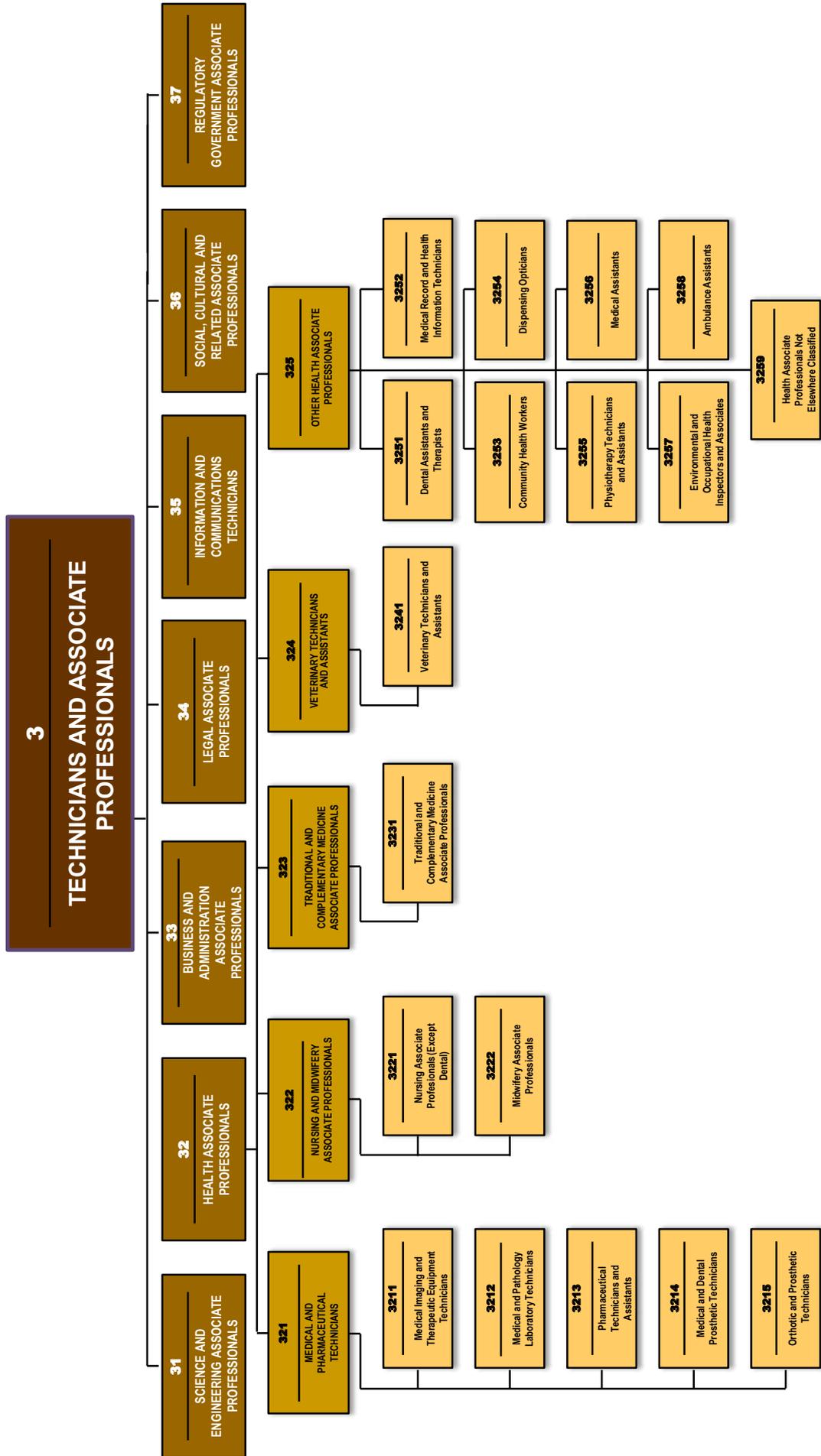
MAJOR GROUP 3 TECHNICIANS AND ASSOCIATE PROFESSIONALS



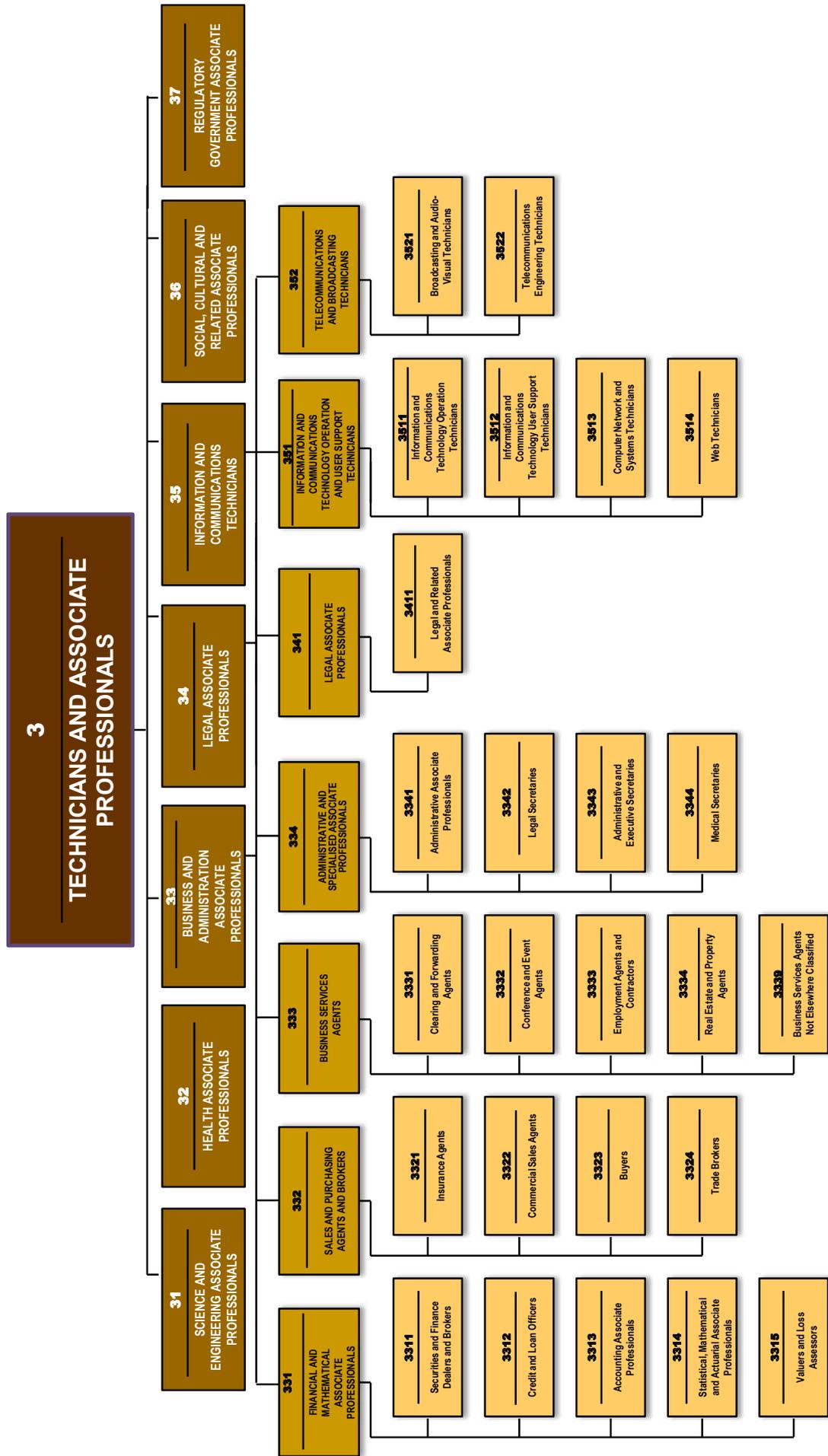
MAJOR GROUP 3 TECHNICIANS AND ASSOCIATE PROFESSIONALS



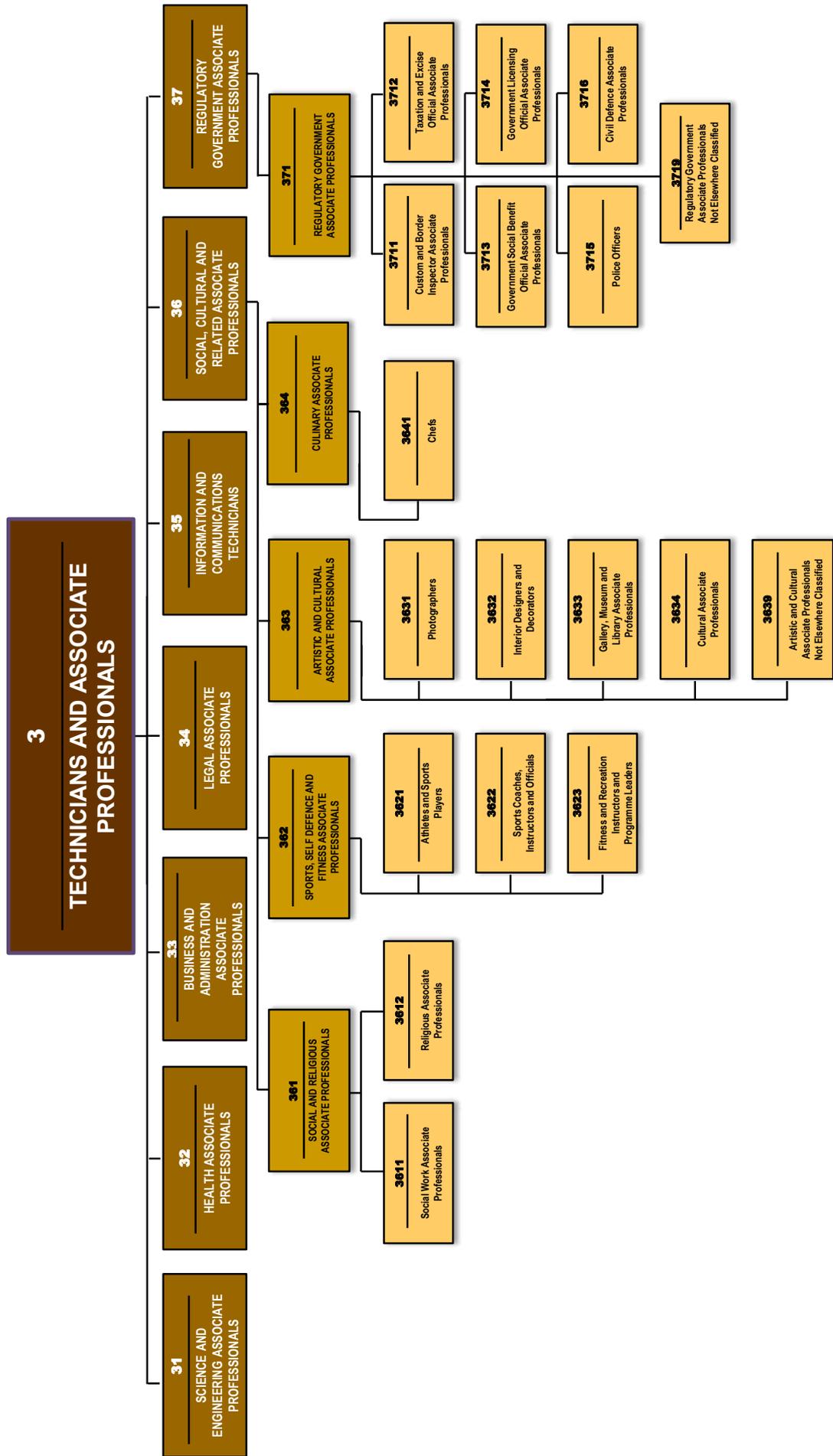
MAJOR GROUP 3 TECHNICIANS AND ASSOCIATE PROFESSIONALS



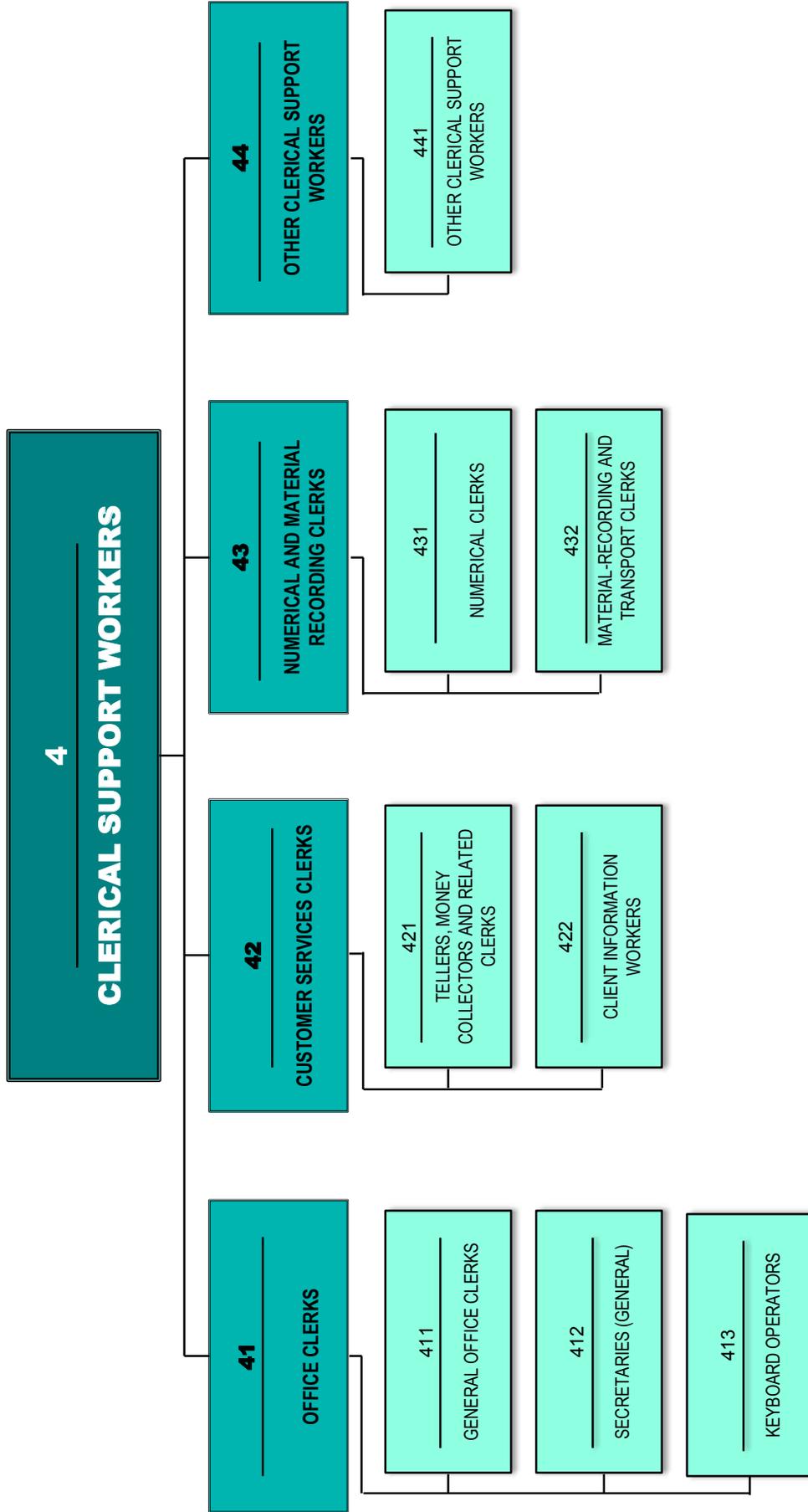
MAJOR GROUP 3 TECHNICIANS AND ASSOCIATE PROFESSIONALS



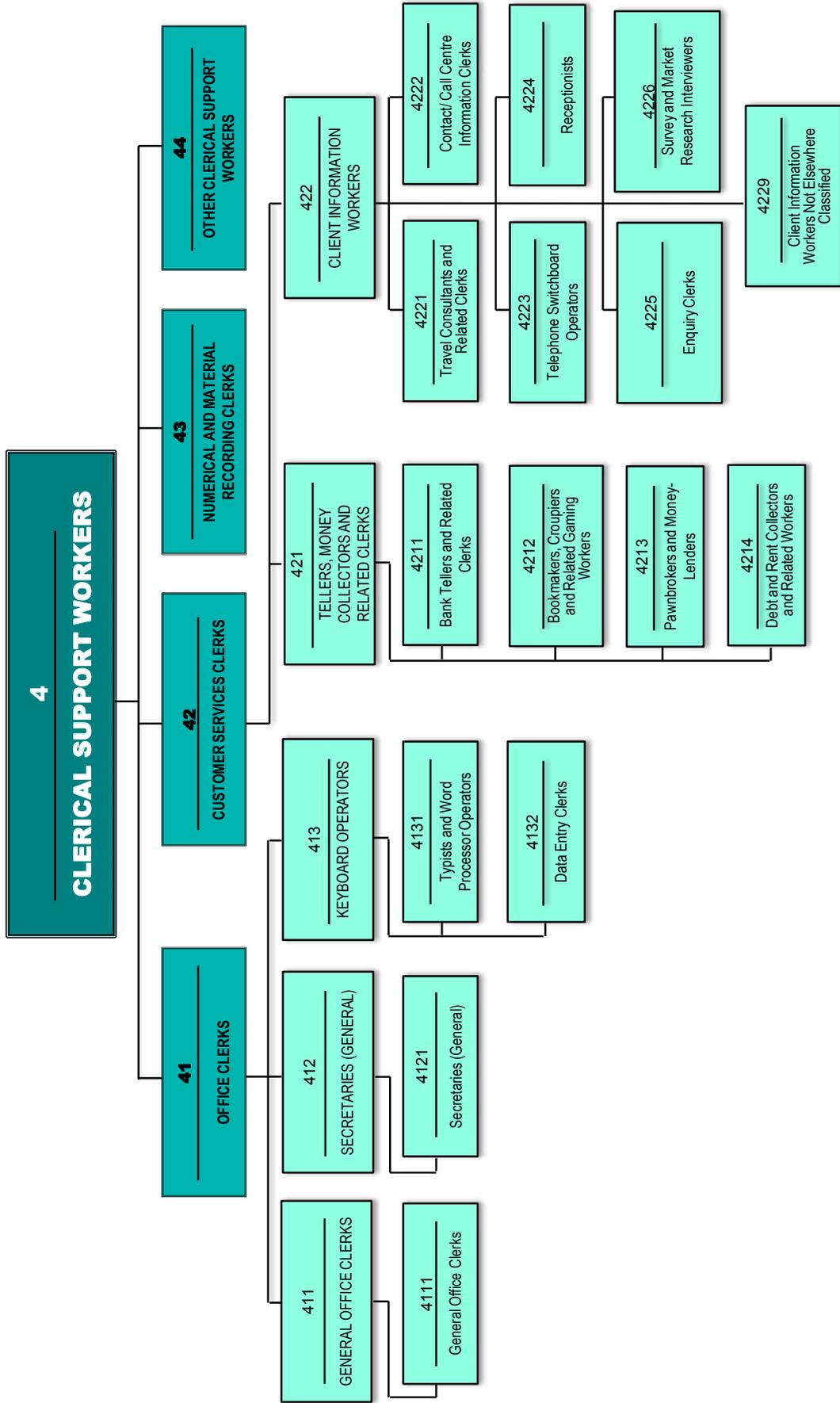
MAJOR GROUP 3 TECHNICIANS AND ASSOCIATE PROFESSIONALS



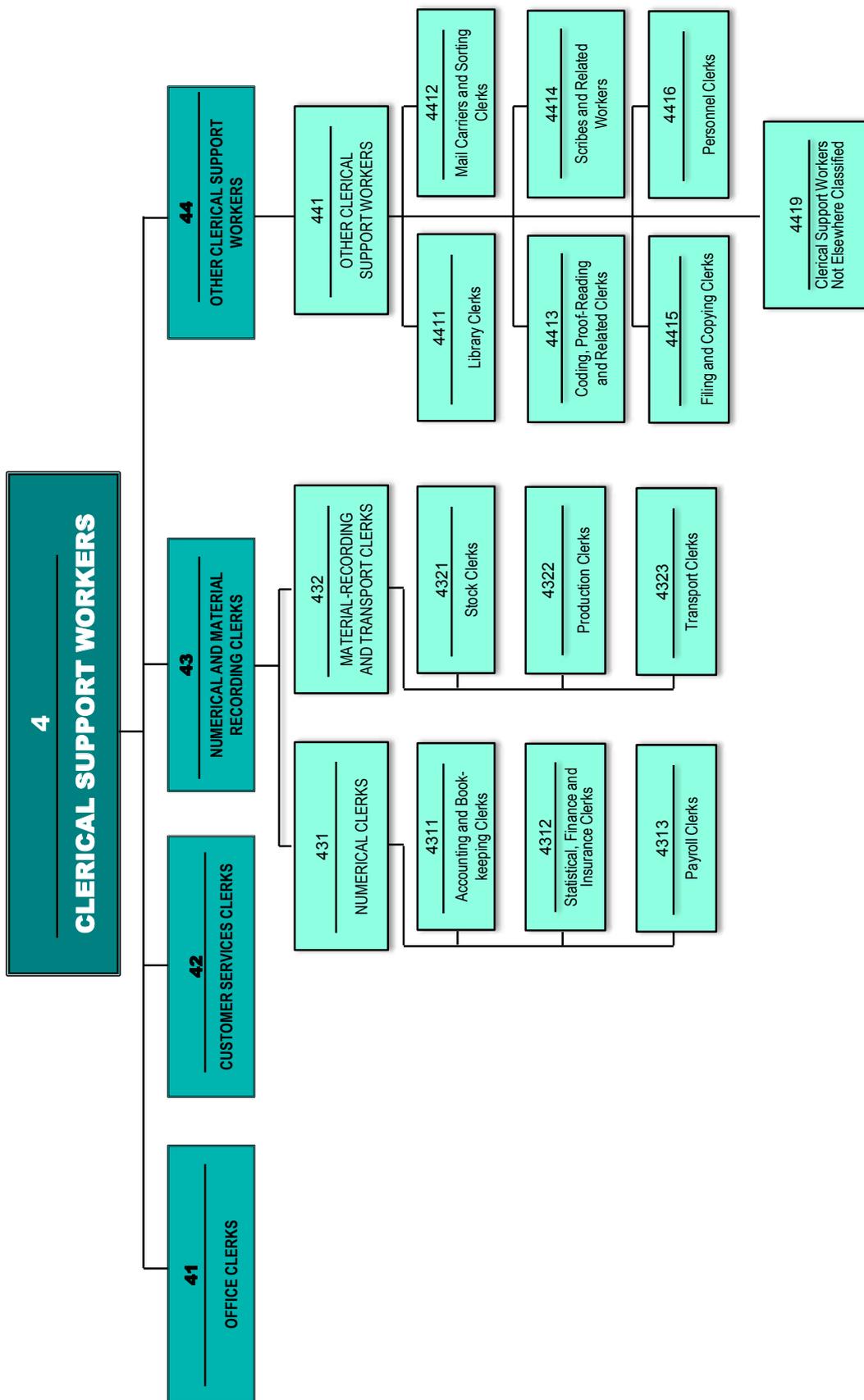
MAJOR GROUP 4
CLERICAL SUPPORT WORKERS



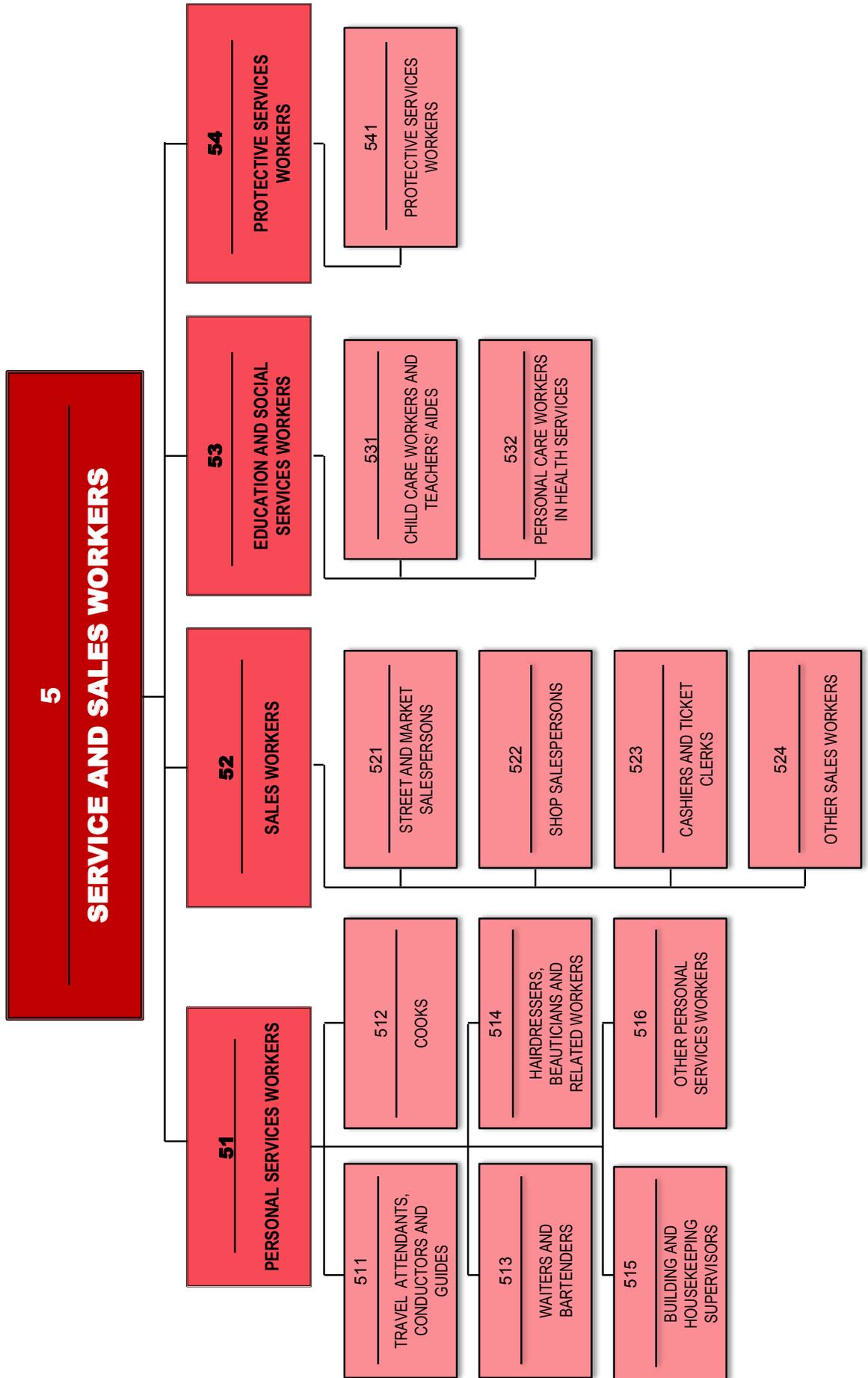
MAJOR GROUP 4
CLERICAL SUPPORT WORKERS



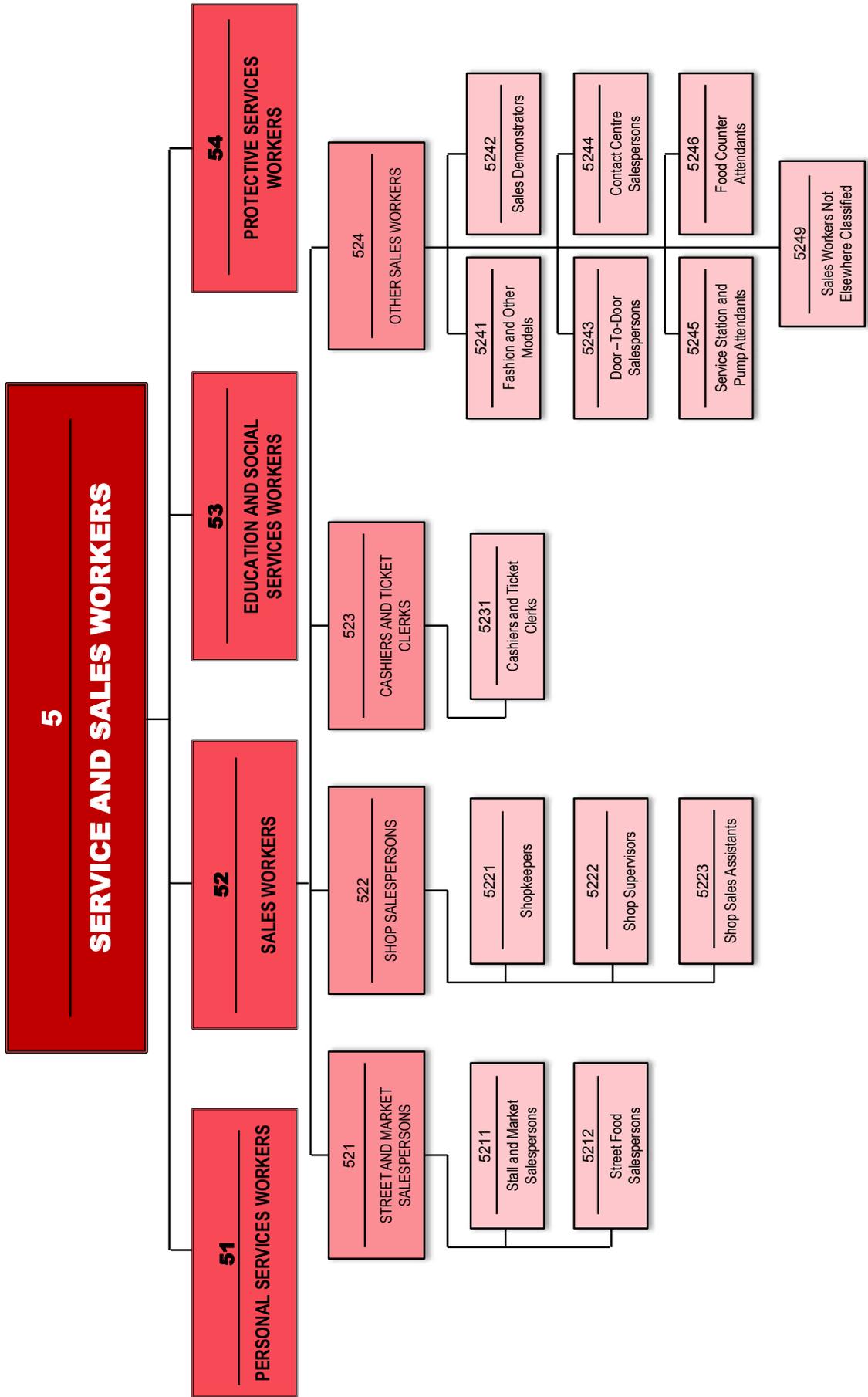
MAJOR GROUP 4 CLERICAL SUPPORT WORKERS



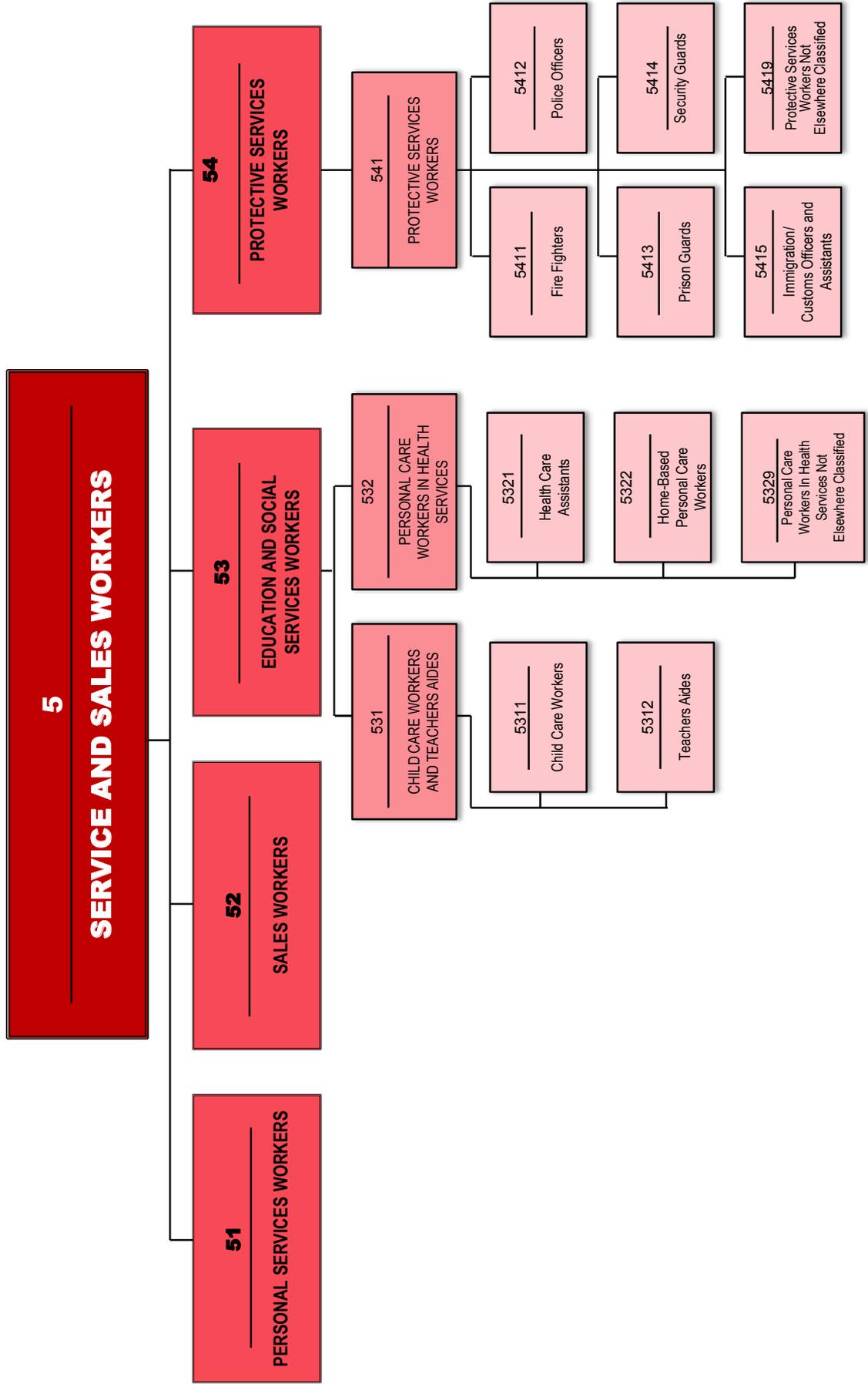
MAJOR GROUP 5
SERVICE AND SALES WORKERS



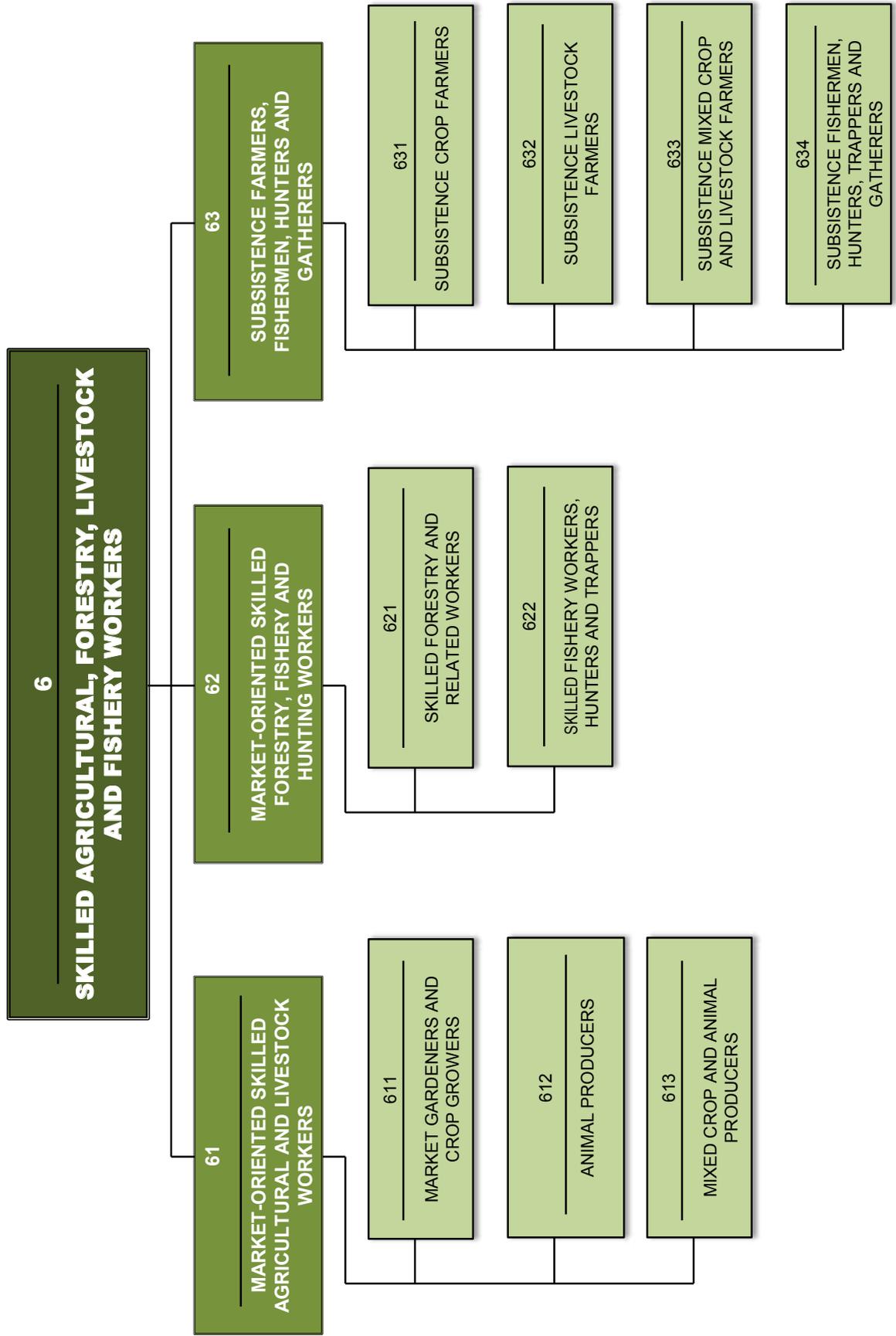
MAJOR GROUP 5
SERVICE AND SALES WORKERS



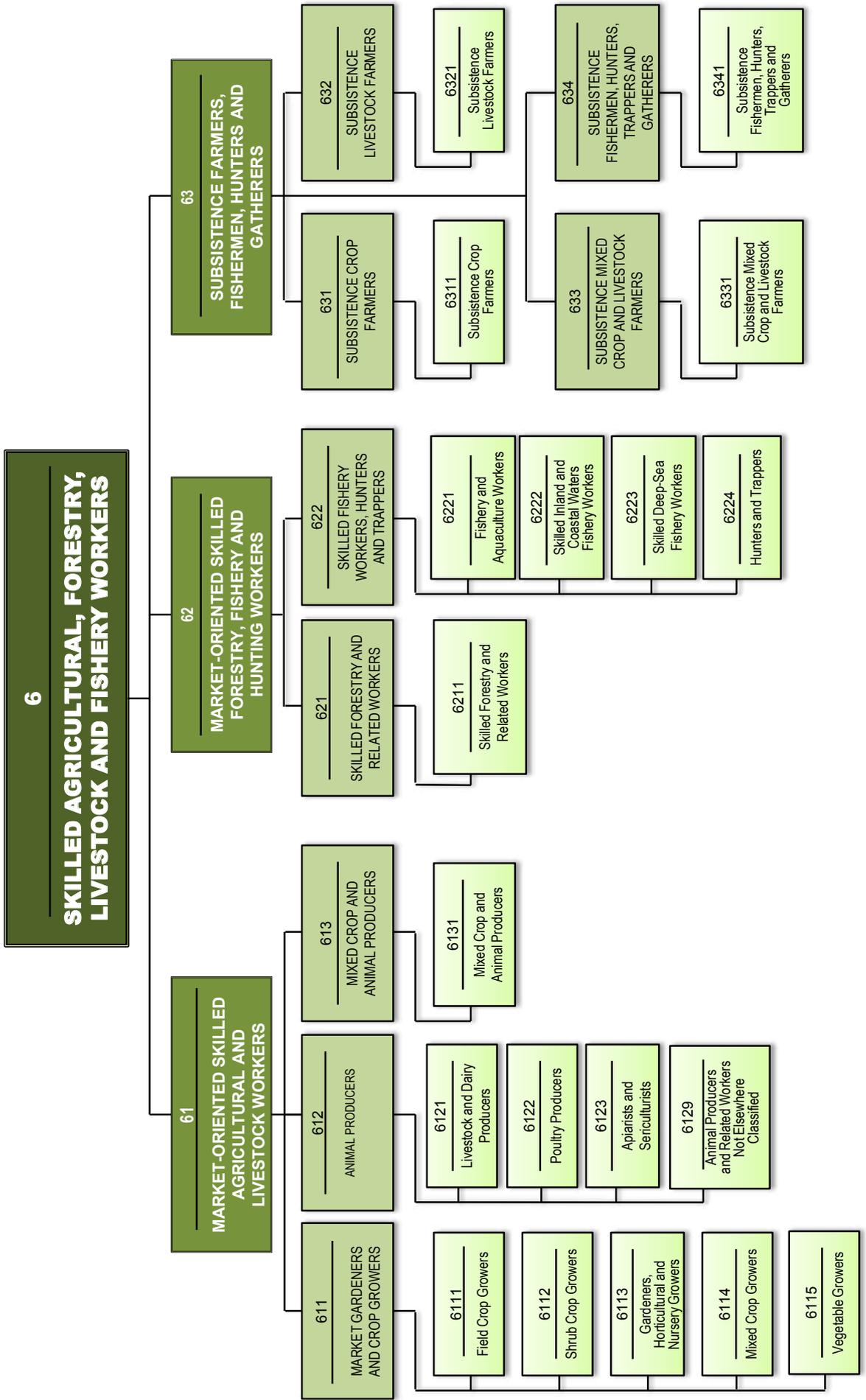
MAJOR GROUP 5
SERVICE AND SALES WORKERS



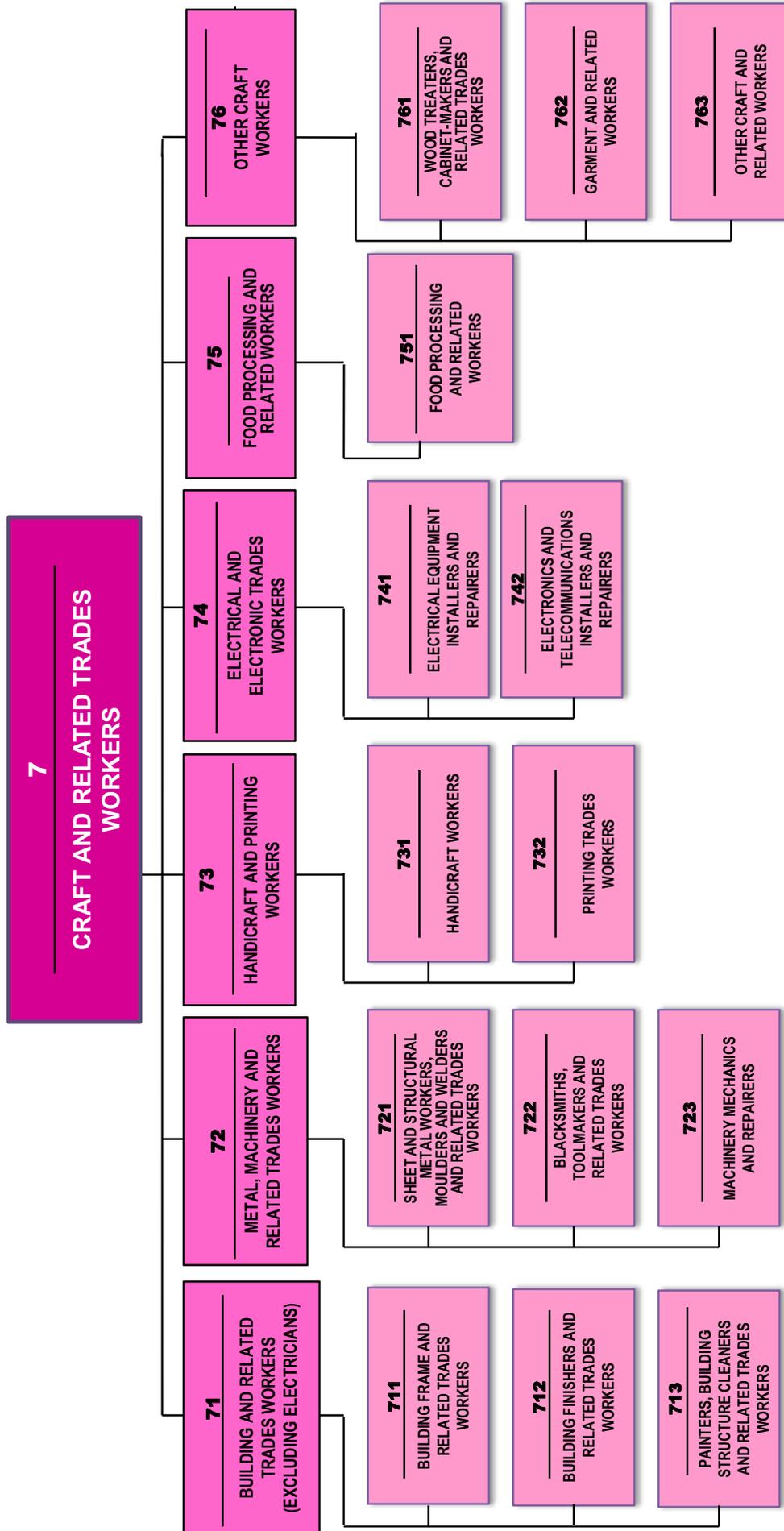
MAJOR GROUP 6
 SKILLED AGRICULTURAL, FORESTRY, LIVESTOCK AND FISHERY WORKERS



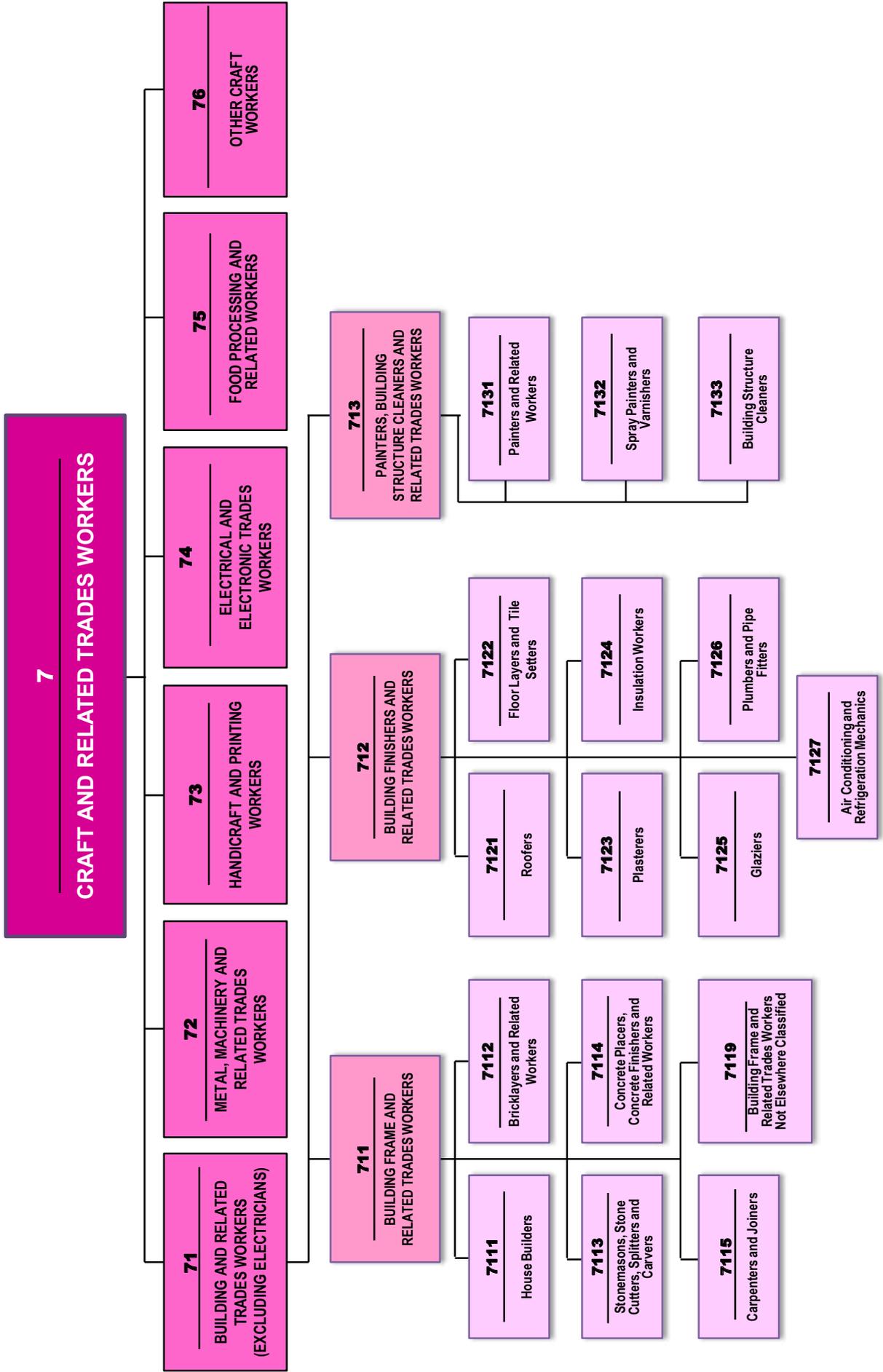
MAJOR GROUP 6
 SKILLED AGRICULTURAL, FORESTRY, LIVESTOCK AND FISHERY WORKERS



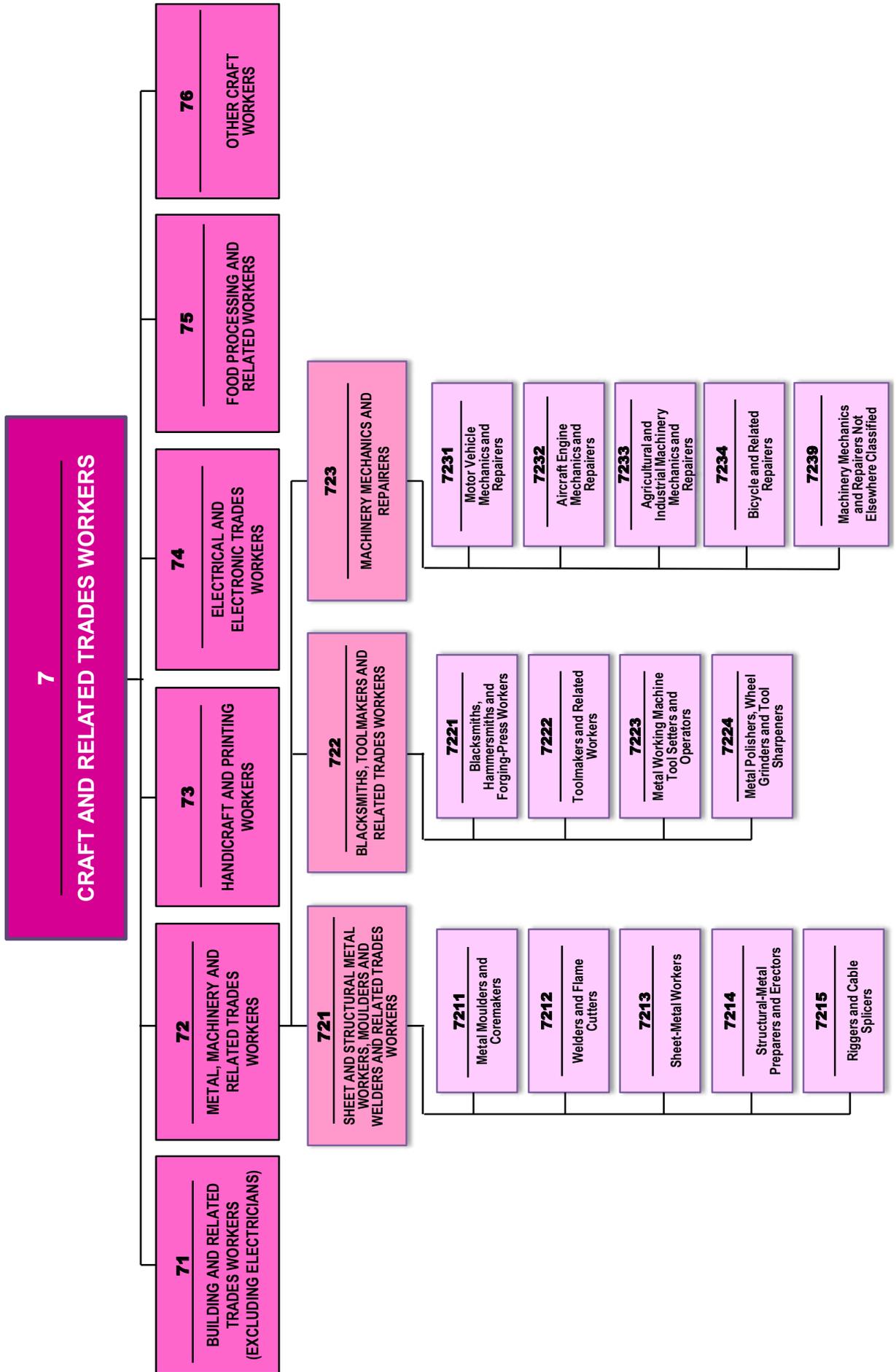
MAJOR GROUP 7
CRAFT AND RELATED TRADES WORKERS



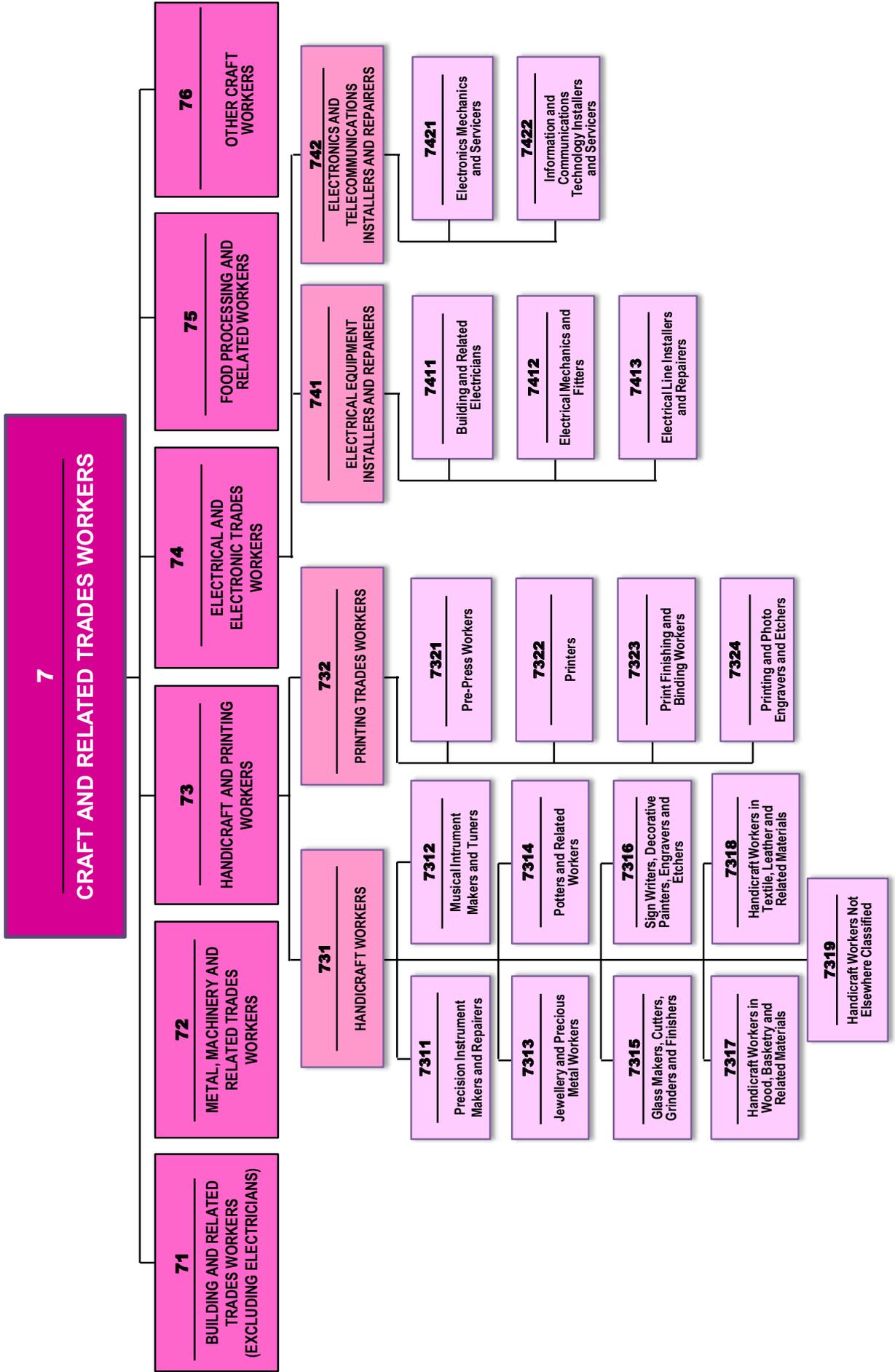
MAJOR GROUP 7 CRAFT AND RELATED TRADES WORKERS



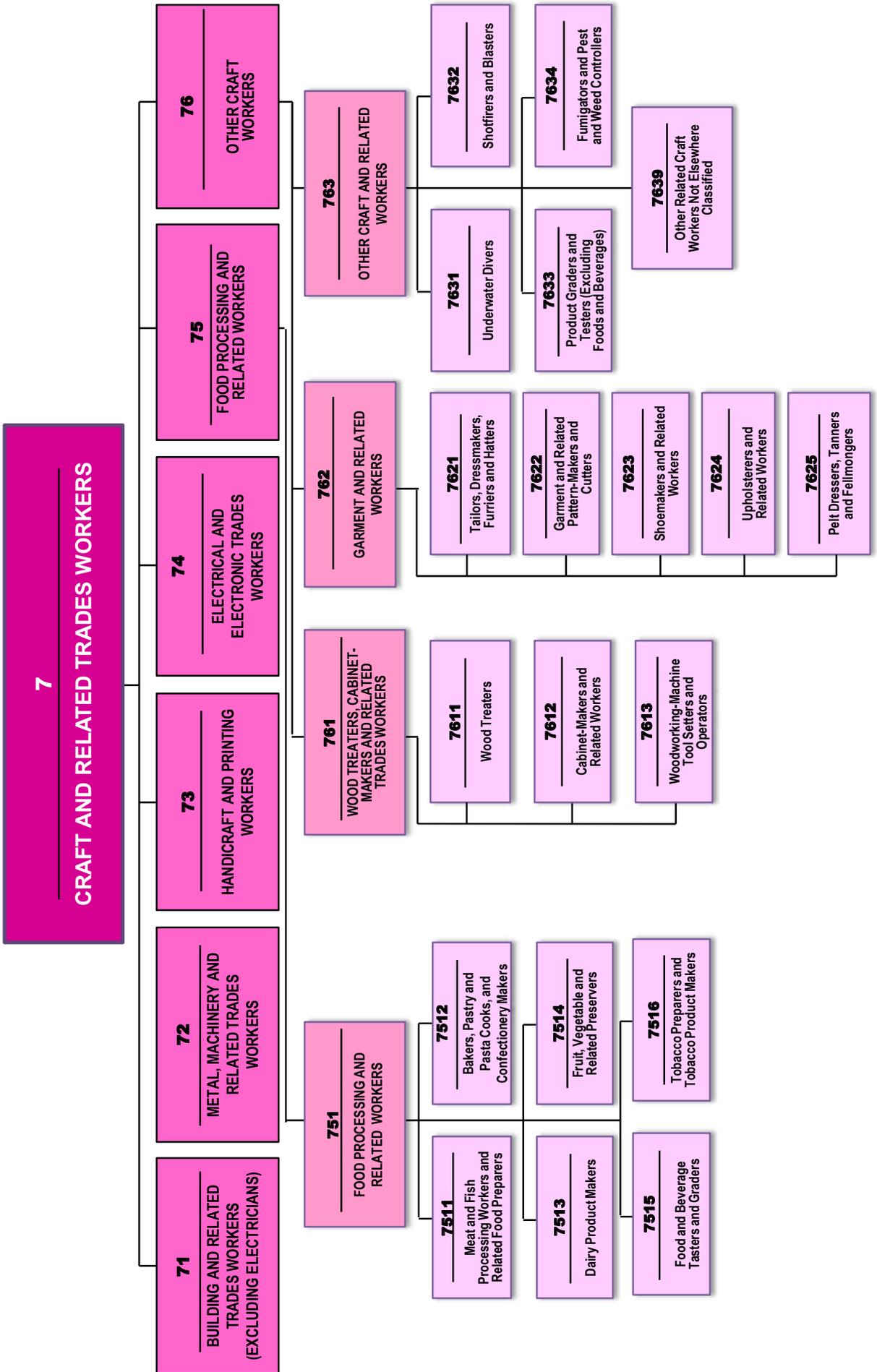
MAJOR GROUP 7 CRAFT AND RELATED TRADES WORKERS



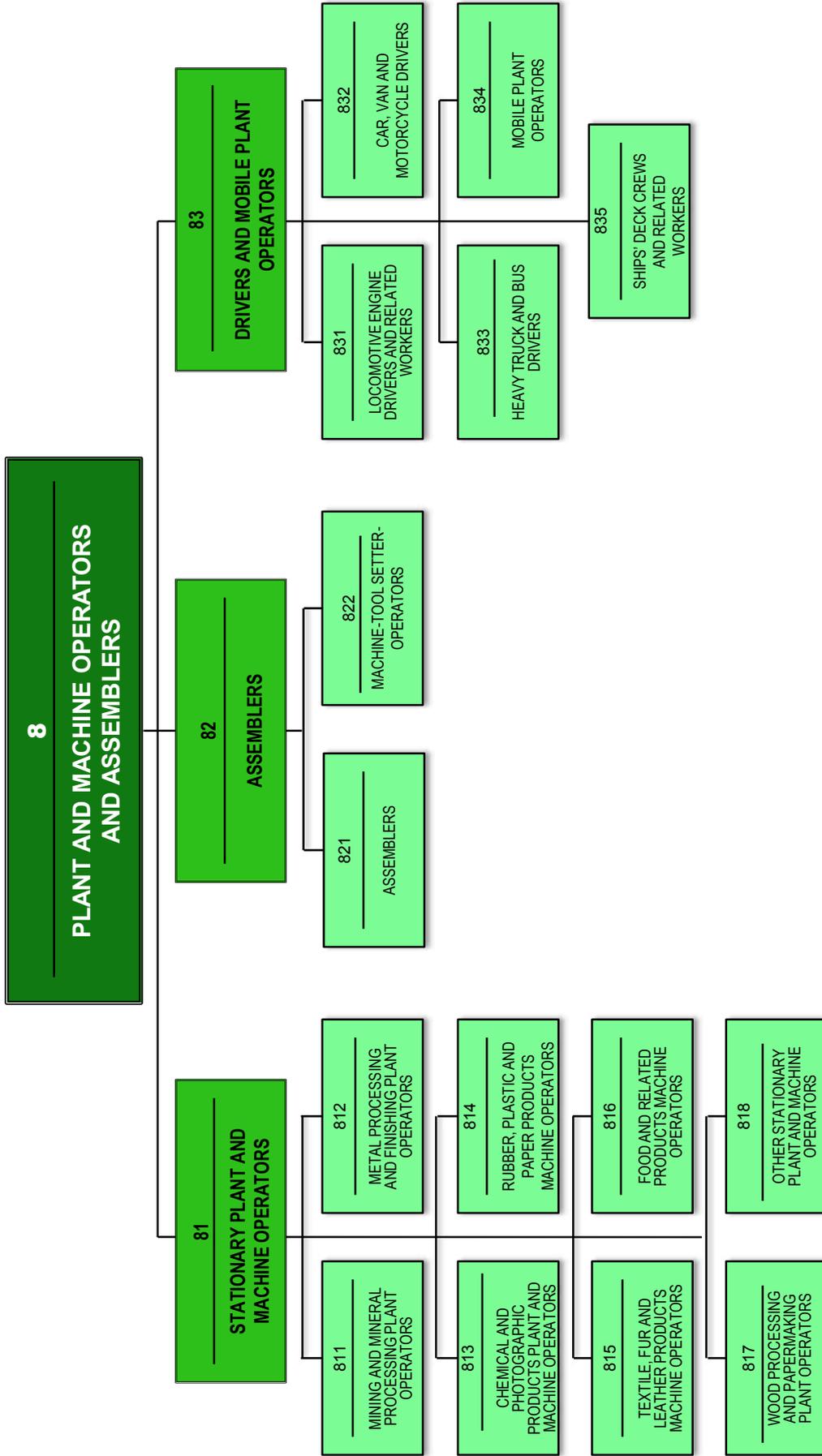
MAJOR GROUP 7 CRAFT AND RELATED TRADES WORKERS



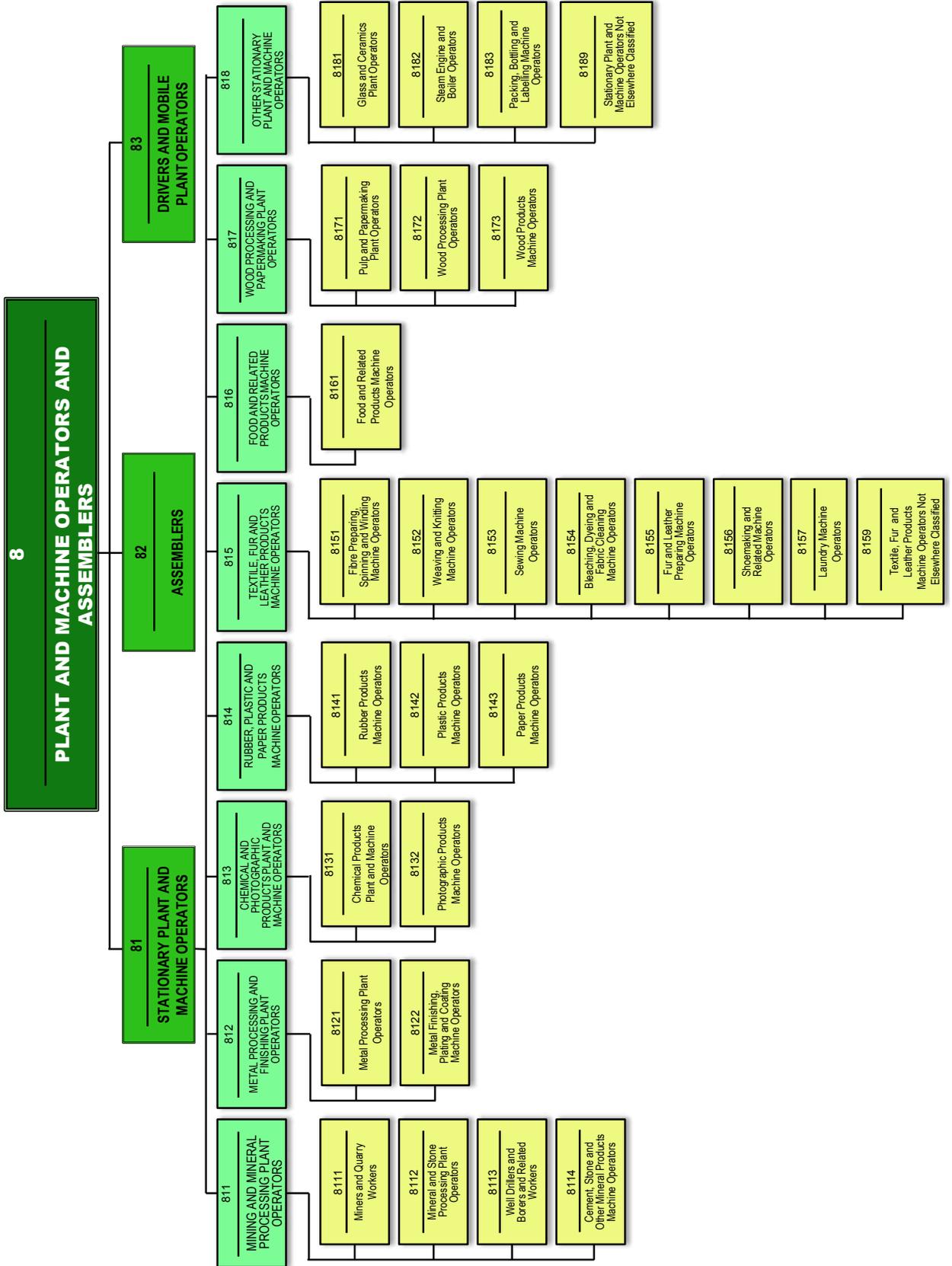
MAJOR GROUP 7
CRAFT AND RELATED TRADES WORKERS



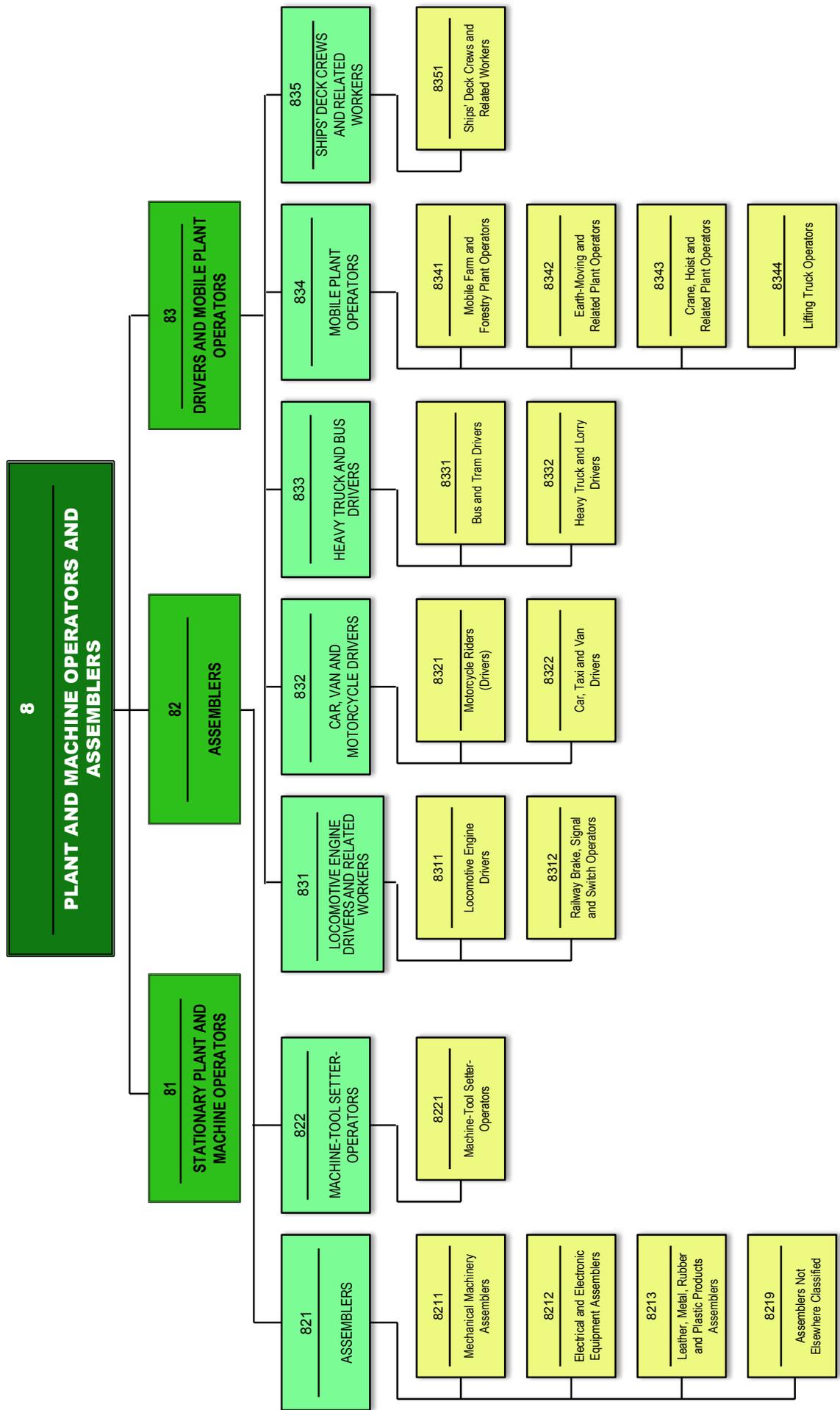
MAJOR GROUP 8
 PLANT AND MACHINE OPERATORS AND ASSEMBLERS



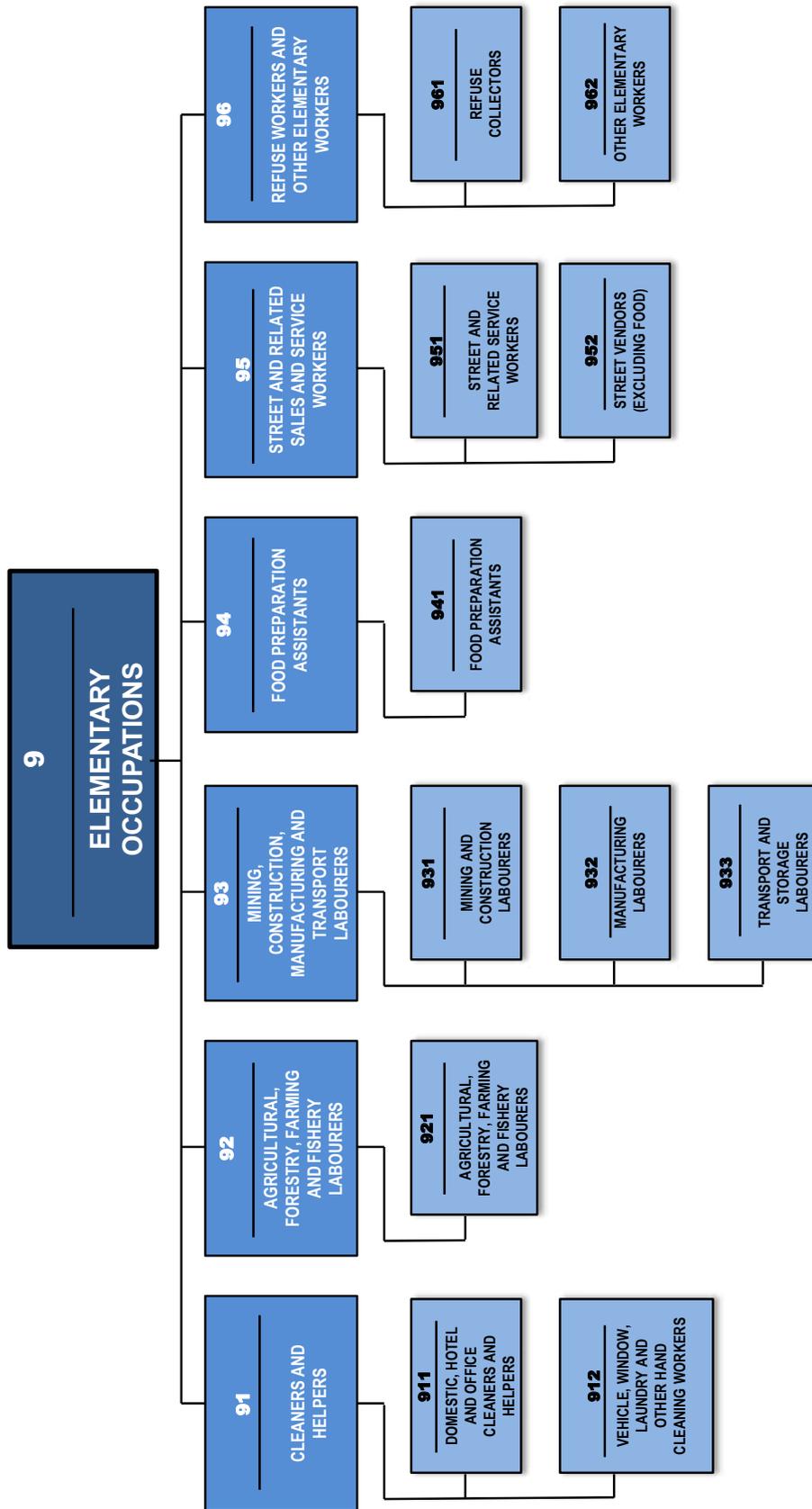
MAJOR GROUP 8 PLANT AND MACHINE OPERATORS AND ASSEMBLERS



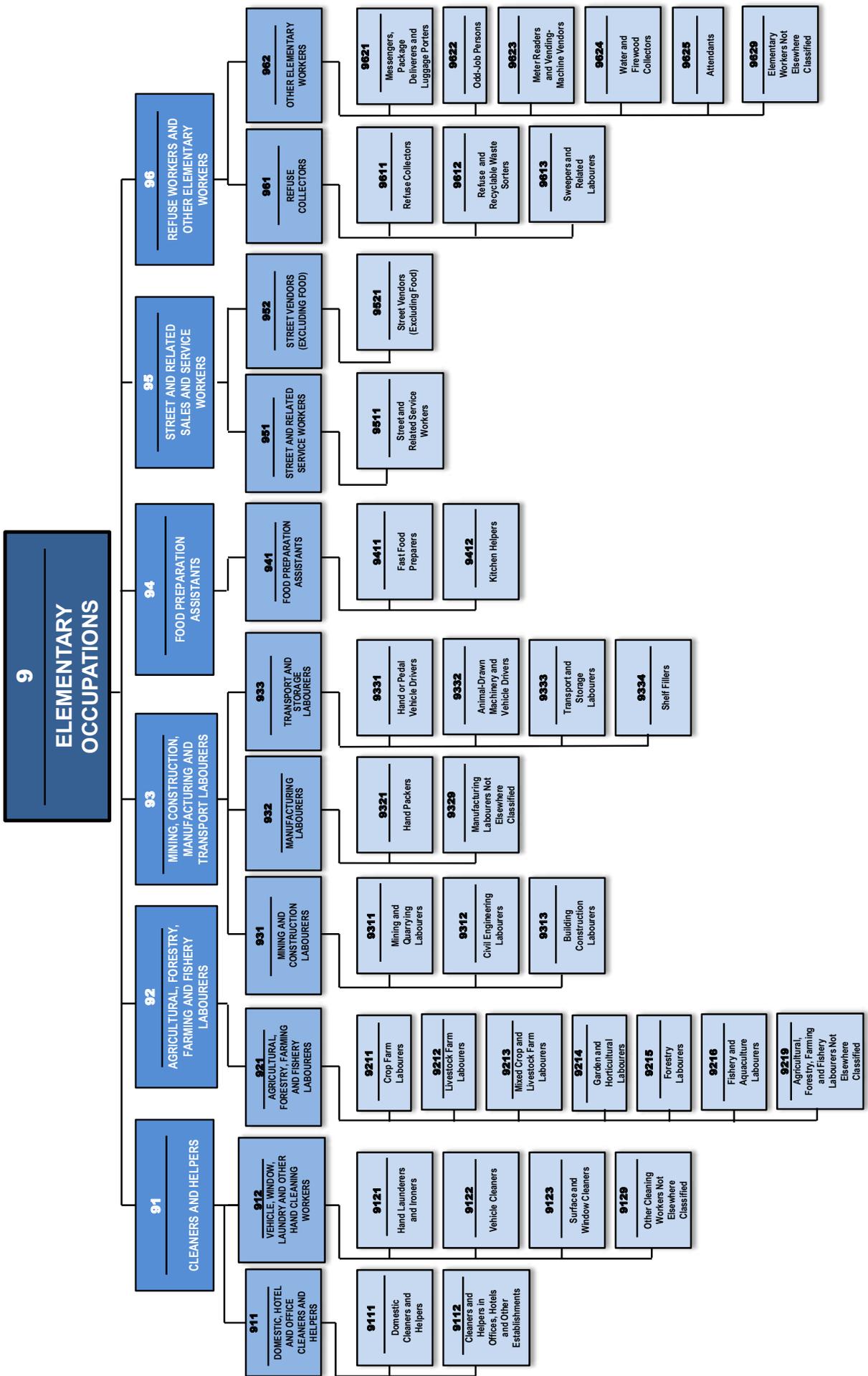
MAJOR GROUP 8 PLANT AND MACHINE OPERATORS AND ASSEMBLERS



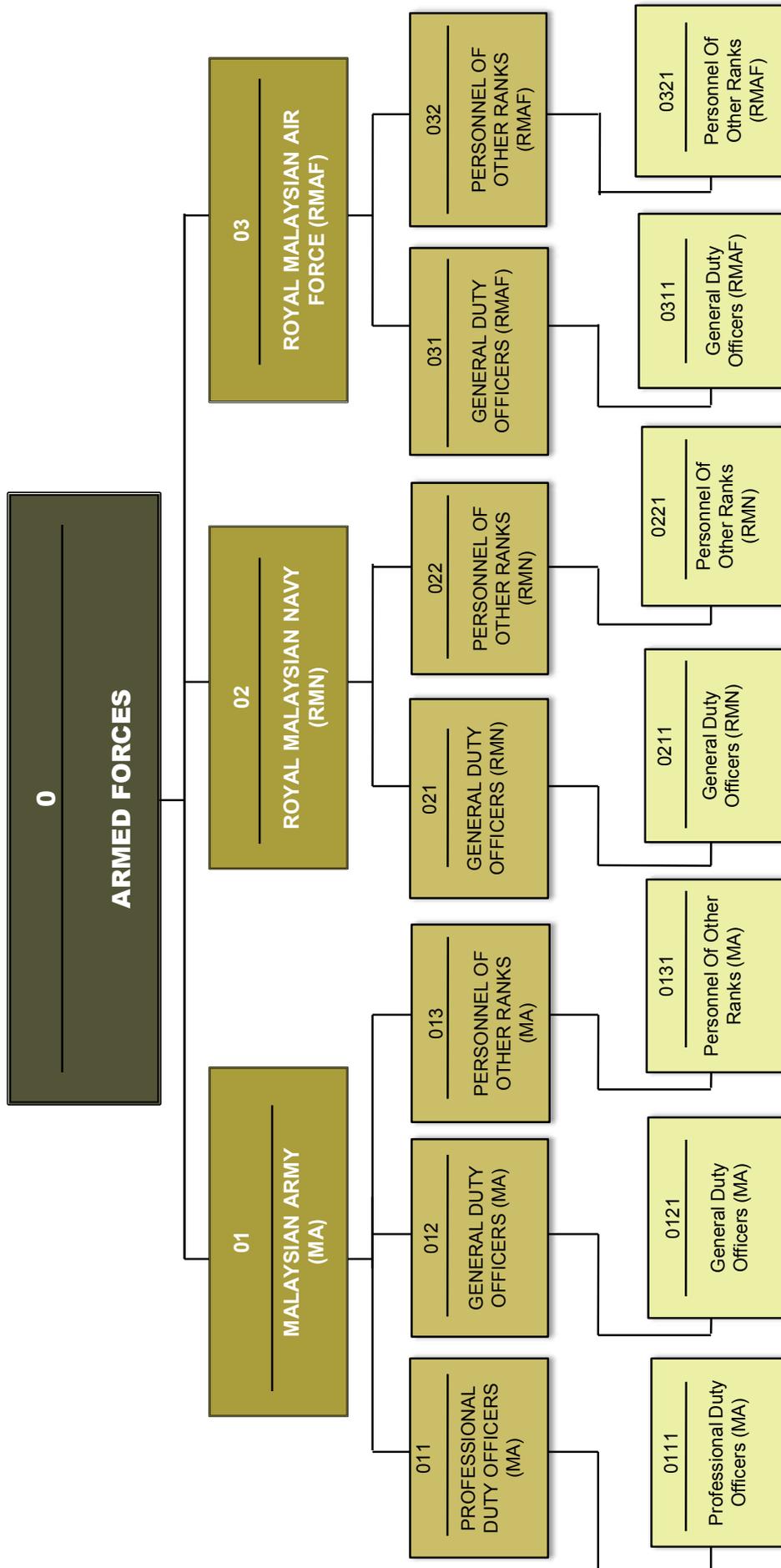
MAJOR GROUP 9 ELEMENTARY OCCUPATIONS



MAJOR GROUP 9 ELEMENTARY OCCUPATIONS



MAJOR GROUP 0
ARMED FORCES







INTERESTS AND CAREERS

INTERESTS AND CAREERS

| TYPE OF INTEREST | PERSONALITY | EXAMPLES OF OCCUPATION |
|-----------------------------------|---|---|
| CREATIVE ARTS | <ul style="list-style-type: none"> • Likes to design and create functional or artistic products • Has the talent for and is able to appreciate art, literature, music, architecture and other art forms | <ul style="list-style-type: none"> • Fashion Designer • Advertising Executive • Graphic Artist • Musician • Draughtsperson • Film Director • Interior Designer • Chef |
| TECHNICAL ENGINEERING | <ul style="list-style-type: none"> • Likes to design and build or use machines, tools and technical equipment • Has affinity for mechanical things | <ul style="list-style-type: none"> • Architect • Electrician • Welder • Technician • Engineer • Engineering Assistant • Tool and Die Maker • General Machinist • Craft Instructor |
| FIELD WORK | <ul style="list-style-type: none"> • Likes to work in the field and moving from place to place • Enjoys physical freedom and appreciates nature | <ul style="list-style-type: none"> • Archaeologist • Health Inspector • Land Surveyor • Photographer • Salesperson • Engineer • Pilot • Police Officer • Forest Ranger |
| MANUAL/ PRACTICAL WORK | <ul style="list-style-type: none"> • Likes to work with the hands and using tools to make or repair things • Likes practical work | <ul style="list-style-type: none"> • Electrician • Fitter • Mechanic • Machinery Installer • Tool and Die Maker • Draughtsperson • Furniture Maker • Stone Carver • Hand Embroiderer • Foundry Worker |

| TYPE OF INTEREST | PERSONALITY | EXAMPLES OF OCCUPATION |
|---------------------------------|---|--|
| LITERATURE | <ul style="list-style-type: none"> Likes to read, write and manage and appreciate literary works and ideas | <ul style="list-style-type: none"> Musician Editor Advertising Executive Literature Teacher Actor Proof-reader Publisher Director Script Writer Journalist |
| PUBLIC RELATIONS | <ul style="list-style-type: none"> Likes to meet people, converse, discuss and sometimes deal with and influence people Is able to understand other people's problems and points of view | <ul style="list-style-type: none"> Salesperson Press Officer Public Relations Officer Industrial Relations Officer Personnel Officer Lawyer Research Interviewer Tourist Guide Journalist |
| CLERICAL/ ADMINISTRATION | <ul style="list-style-type: none"> Likes to write letters, organise and record information as well as plan business activities Uses devices such as calculators, typewriters and computers Most clerical/administrative positions involve meeting people | <ul style="list-style-type: none"> Accountant Typist Clerk Computer Operator Bank Officer Administrative Officer Lawyer Librarian Secretary |
| COMMUNITY SERVICE | <ul style="list-style-type: none"> Is concerned about the welfare and well-being of people and feels compassion and wants to help people overcome their personal problems | <ul style="list-style-type: none"> Fireman Psychologist Sociologist Serviceman Doctor Teacher Nurse Student Counsellor Welfare Officer Police Officer |

| JENIS MINAT | PERSONALITI | CONTOH PEKERJAAN |
|--------------------|--|---|
| MEDICINE | <ul style="list-style-type: none"> • Likes working with people and feels compassion for them | <ul style="list-style-type: none"> • Dietician • Pharmacist • Doctor • Dentist • Nurse • X-Ray Technician • Anaesthesiologist • Surgeon • Cardiologist • Laboratory Assistant |
| SCIENTIFIC | <ul style="list-style-type: none"> • Is interested in carrying out research and experiments • Likes to investigate, observe and question scientific phenomena or to assist those involved in this kind of work | <ul style="list-style-type: none"> • Agronomist • Bacteriologist • Botanist • Pharmacologist • Physicist • Geologist • Meteorologist • Chemist • Zoologist • Laboratory Assistant |
| CALCULATION | <ul style="list-style-type: none"> • Likes working with numbers, statistics and calculations • Likes to use the computer, calculator and possesses a mind that is analytical with an affinity for mathematics | <ul style="list-style-type: none"> • Mathematician • Accountant • Actuary • Auditor • Quantity Surveyor • System Analyst • Bank Clerk • Computer Programmer • Bookkeeper • Statistician |



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