

Principles of Classification of Occupations

The two main concept used in occupational classification are the concept of the kind of work performed or job and the concept of skill.

Job is defined as a set of tasks and duties performed by one person. A set of jobs whose main tasks and duties are similar is referred to an occupation. In other words, persons who perform similar main tasks are considered doing the same type of work and are classified in the same occupational group, regardless of the level of authority, responsibility or work experience. For instance, chief civil engineer is classified among civil engineers (unit group 2142) and chief accountant among accountants (unit group 2411).

Skill is defined as the ability to perform tasks and duties of an occupation and has, for the purpose of the MASCO 08, the following two dimensions;

- 1) Skill level - which is a function of the complexity and range of tasks and duties involved; and
- 2) Skill specialization - defined by the field of knowledge required the tools and machinery used, the material worked on or with, as well as the kinds of goods and services provided.

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

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

The use of the educational categories to define the four skill levels does not mean that the skill necessary to perform the tasks and duties of a given occupation can be acquired through formal education. The skills may be, and often are, acquired through informal training and experience. So, when classifying an occupation as for example engineer, it does not mean that the post can only be occupied by a formal, registered engineer, although the activities will correspond quite close to those undertaken by the said engineer. In addition, the focus is on the skills required 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.

The Major Group of the MASCO 08 can be categorized according to the following four common skill levels:

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

However, the concept of skill level is not applicable to Major Group 1: Managers and Major Group 0: Armed Forces Occupations. For these two groups, the skill level concept does not reflect the main skill requirements for distinguishing them from other Major Groups.

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Structure of Classification

The occupational classification structure has four main levels, namely, major groups, sub-major groups, minor groups and small unit groups tabulated as follows:

Major Group (1-digit)	Sub-major Groups (2-digit)	Minor Groups (3-digit)	Unit Groups (4-digit)	Small Unit Groups (5-digit)
1 Managers	4	11	37	232
2 Professionals	7	35	119	1,127
3 Technicians and Associate Professionals	5	21	89	696
4 Clerical Support Workers	4	8	29	391
5 Service and Sales Workers	4	13	41	309
6 Skilled Agricultural, Forestry and Fishery Workers	3	9	20	137
7 Craft and Related Trades Workers	5	14	66	524
8 Plant and Machine-operators and Assemblers	3	16	46	639
9 Elementary Occupations	6	11	36	200
0 Armed Forces Occupations	3	6	6	55
10	44	144	489	4,310

In the classification, all occupations are categorized into ten (10) major groups (1-digit). Subsequently, the major groups are divided into **44** sub-major groups (2-digit) which comprise **144** minor groups (3-digit). The minor groups are further sub-divided into **489** unit groups (4-digit) and the unit groups are further sub-divided into **4,310** (5-digit).

A number of occupational titles are classified within each unit group. Occupational titles classified in the same unit group are assigned different sub-codes. The numeral 9 in the last digit of a two-, three-, and four- or five-digit code refers to all other groups. Residual occupational category or miscellaneous group usually has 'not elsewhere classified' at the end.

The following example depicts the finer details of several occupations:

Group	Title	Code
Major Group	Professionals	2
Sub-Major Group	Sciences and Engineering Professionals	21
Minor Group	Physical and Earth Sciences Professionals	211
Unit Group	Chemists	2113
	Chemist	21131
	Chemist-Rubber/Organic	21132
	Chemist-Corrosion	21133
	Chemist-Physical	21134

Notes on Some Particular Occupations

Supervisory occupations, as well as those of a foreman, which are mainly concerned with the control of the professional or technical quality of the work done, are classified together with the jobs whose tasks they supervise. However, if the main tasks and duties of a job consist of planning, organizing and directing the daily work activities of a group of subordinate workers, the occupation should be considered as a managerial occupation and classified in the appropriate group belonging either to Sub-major Group 12: Administrative and Commercial Managers or 13 : Production and Specialized Services Managers. Only in large enterprises, 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 Sub-major Group 31: Physical and Engineering 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 behind, the counter, helping 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-job training by 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.

Job titles with prefix are referring to posts in public sector (eg; Engineer, civil J41). Job titles with non-prefix (except military, under group 0) are referring to posts in private sector (eg; Engineer, civil). Difference job titles in both public and private sector do not distinguish the task in code referred.

Summary of Major Groups

1. MANAGERS

Managers determine, formulate, direct or advise on government policies, as well as those of special-interest organizations, formulate laws, public rules and regulations, represent governments and act on their behalf, oversee the interpretation and implementation of government policies and legislation, or plan, direct and co-ordinate the policies and activities of enterprises or organizations, or their internal departments or sections. Reference to skill level has not been made in defining the scope of this major group.

2. PROFESSIONALS

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

3. TECHNICIANS AND ASSOCIATE PROFESSIONALS

Technicians and associate professionals perform mostly technical and related tasks connected with research and the application of scientific or artistic concepts and operational methods, and government or business regulations, and teach at certain educational levels. Most occupations in this major group require skills at the third skill level.

4. CLERICAL SUPPORT WORKERS

Clerical support workers record, organize, store and retrieve information related to the work in question, compute financial, statistical and other numerical data, and perform a number of client-oriented clerical duties especially in connection with money-handling operations, travel arrangements and business information and appointments. Most occupations in this major group require skills at the second skill level.

5. SERVICES AND SALES WORKERS

Services and sales workers provide personal and protective services related to travel, housekeeping, catering, personal care, or protection against fire and unlawful acts, or they pose as models for artistic creation and display, or demonstrate and sell goods in wholesale or retail shops and similar establishments, as well as at stalls and markets. Most occupations in this major group require skills at the second skill level.

6. SKILLED AGRICULTURAL, FORESTRY AND FISHERY WORKERS

Skilled agricultural, forestry and fishery workers grow and harvest field or tree and shrub crop, gather wild fruits and plants breed, tend or hunt animals, produce a variety of animal husbandry products, cultivate, conserve and exploit forests, breed or catch fish and cultivate or gather other forms of aquatic life. Most occupations in this major group require skills at the second skill level.

7. CRAFT AND RELATED TRADES WORKERS

Craft and related trades workers apply their specific knowledge and skills in the fields of mining and construction, form metal, 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.

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 all stages of the production process, the materials and tools used, and the nature and purpose of the final product. Most occupations in this major group require skills at the second skill level.

8. PLANT AND MACHINE-OPERATORS AND ASSEMBLERS

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 products from component parts according to strict specifications and procedures.

The work mainly calls for experience with and an 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. Most occupations in this major group require skills at the second skill level.

9. ELEMENTARY OCCUPATIONS

Elementary occupations perform single and routine tasks which mainly require the use of handheld tools and in some cases considerable physical effort. Most occupations in this major group require skills at the first level.

0. ARMED FORCES OCCUPATIONS

Members of the armed forces occupations are those personnel who are currently serving in the armed forces and who are not free to accept civilian employment. Included are regular members of the army, navy, air force and other military services. Excluded are person in civilian employment of government establishments concerned with defence issues, police (other than military police), customs inspectors and members of border or other armed civilian services, and members of military reserves not currently on active service. Reference to a skill level has not been used in defining the scope of this major group.

Major, Sub-Major, Minor and Unit Group Titles

MAJOR GROUP 1
MANAGERS

11 CHIEF EXECUTIVES, SENIOR OFFICIALS & 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

- 1120 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 SPECIALIZED SERVICES MANAGERS**131 PRODUCTION MANAGERS IN AGRICULTURE, FORESTRY AND FISHERIES**

- 1311 Agricultural and Forestry 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

- 133 INFORMATION AND COMMUNICATIONS TECHNOLOGY SERVICES MANAGERS**
- 1330 Information and Communications Technology Services Managers

- 134 PROFESSIONAL SERVICES MANAGERS**
- 1341 Child Care Services Managers
- 1342 Health Services Managers
- 1343 Aged Care Services Managers
- 1344 Social Welfare Managers
- 1345 Education Managers
- 1346 Financial and Insurance Services Branch Managers
- 1349 Professional Services Managers Not Elsewhere Classified

- 14 HOSPITALITY, RETAIL AND OTHER SERVICES MANAGERS**

- 141 HOTEL AND RESTAURANT MANAGERS**
- 1411 Hotel Managers
- 1412 Restaurant Managers

- 142 RETAIL AND WHOLESALE TRADE MANAGERS**
- 1420 Retail and Wholesale Trade Managers

- 143 OTHER SERVICES MANAGERS**
- 1431 Sports, Recreation and Cultural Centre Managers
- 1432 Personal Care, Cleaning and Related Services Managers
- 1433 Legal Managers
- 1434 Property Managers
- 1435 Safety and Security Managers
- 1439 Services Managers Not Elsewhere Classified

MAJOR GROUP 2
PROFESSIONALS

- 21 SCIENCE AND ENGINEERING PROFESSIONALS**

- 211 PHYSICISTS, CHEMISTS AND RELATED PROFESSIONALS**
- 2111 Physicists and Astronomers
- 2112 Meteorologists and Seismologists
- 2113 Chemists
- 2114 Geologists and Geophysicists

- 212 MATHEMATICIANS, ACTUARIES AND STATISTICIANS**
- 2120 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 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 Ships Engineers
- 2172 Ships 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 AND 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

2230 Traditional and Complementary Medicine Professionals

224 PARAMEDICAL PRACTITIONERS

2240 Paramedical Practitioners

225 VETERINARIANS

2250 Veterinarians

226 OTHER HEALTH PROFESSIONALS

2261 Dentists

2262 Pharmacists

2263 Environmental and Occupational Health and Hygiene Professionals

2264 Physiotherapists

2265 Dieticians and Nutritionists

2266 Audiologist 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 TEACHERS

2310 University and Higher Education Teachers

232 VOCATIONAL EDUCATION TEACHERS

2320 Vocational Education Teachers

233 SECONDARY EDUCATION TEACHERS

2330 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

2360 Language Teachers

237 RELIGIOUS TEACHERS

2370 Religious Teachers

238 SKILL TECHNOLOGY AND TECHNICAL TRAINERS

2381 Vocational Training Officers

239 OTHER TEACHING PROFESSIONALS

2391 Education Methods 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 Careers Professionals

2424 Training and Staff Development Professionals

2425 Administrative Professionals

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

2435 Sales and Marketing Professionals

244 REGULATORY GOVERNMENT PROFESSIONALS

2441 Customs, Border and Immigration Inspector Professionals

2442 Taxation and Excise Officials Professionals

2443 Government Social Benefits Officials Professionals

2444 Government Licensing Officials Professionals

2445 Police Inspectors and Detectives Professionals

2446 Civil Officials Professionals

2449 Regulatory Government Professionals Not Elsewhere Classified

25 INFORMATION AND COMMUNICATIONS TECHNOLOGY PROFESSIONALS

251 SOFTWARE AND APPLICATIONS DEVELOPERS AND ANALYSTS

2511 Systems Analysts

2512 Software Developers

2513 Web and Multimedia Developers

2514 Applications Programmers

2519 Software and Applications Developers and Analysts Not Elsewhere Classified

252 DATABASE AND NETWORK PROFESSIONALS

2521 Database Designers and Administrators

2522 Systems Administrators

2523 Computer Network Professionals

2529 Database and Network Professionals Not Elsewhere Classified

26 LEGAL, SOCIAL AND CULTURAL PROFESSIONALS

261 LEGAL PROFESSIONALS

2611 Lawyers

2612 Judges

2619 Legal Professionals Not Elsewhere Classified

262 LIBRARIANS, ARCHIVISTS AND CURATORS

2621 Archivists and Curators

2622 Librarians and Related Information Professionals

263 SOCIAL AND RELIGIOUS PROFESSIONALS

2631 Economists

2632 Sociologists, Anthropologists and Related Professionals

2633 Philosophers, Historians and Political Scientist

2634 Psychologists

2635 Social Work and Counseling Professionals

2636 Religious Professionals

264 AUTHORS, JOURNALISTS AND LINGUISTS

2641 Authors and Related Writers

2642 Journalists

2643 Translators, Interpreters and Other Linguists

265 CREATIVE AND PERFORMING ARTISTS

2651 Visual Artists

2652 Musicians, Singers and Composers

2653 Dancers and Choreographers

- 2654 Film, Stage and Related Directors and Producers
- 2655 Actors
- 2656 Announcers on Radio, Television and Other Media
- 2657 Clowns, Magicians, Acrobats and Related Professionals
- 2658 Animal Keepers and Trainers
- 2659 Creative and Performing Artists Not Elsewhere Classified

27 HOSPITALITY, RETAIL AND OTHER SERVICES PROFESSIONALS

271 HOTEL AND RESTAURANT PROFESSIONALS

- 2711 Hotel, Hospitality and Related Professionals
- 2712 Restaurant and Related Professionals

MAJOR GROUP 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 Technicians
- 3143 Forestry Technicians
- 3144 Fishery Technicians

315 SHIP, AIRCRAFT AND TRAIN TECHNICIANS

- 3151 Air Traffic Technicians
- 3152 Ship/Marine Technicians
- 3153 Train/Rel Technicians
- 3159 Transport Technicians Not Elsewhere Classified

316 SCIENCE NUCLEAR ASSOCIATE PROFESSIONALS

- 3160 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
- 3222 Midwifery Associate Professionals

323 TRADITIONAL AND COMPLEMENTARY MEDICINE ASSOCIATE PROFESSIONALS

- 3230 Traditional and Complementary Medicine Associate Professionals

324 VETERINARY TECHNICIANS AND ASSISTANTS

- 3240 Veterinary Technicians and Assistants

325 OTHER HEALTH ASSOCIATE PROFESSIONALS

- 3251 Dental Assistants and Therapists
- 3252 Medical Records 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 Workers
- 3259 Health Associate Professionals Not Elsewhere Classified

33 BUSINESS AND ADMINISTRATIONS ASSOCIATE PROFESSIONALS

331 FINANCIAL AND MATHEMATICAL ASSOCIATE PROFESSIONALS

- 3311 Securities and Finance Dealers and Brokers
- 3312 Credit and Loans 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 Representatives
- 3322 Commercial Sales Representatives
- 3323 Buyers
- 3324 Trade Brokers

333 BUSINESS SERVICES AGENTS

- 3331 Clearing and Forwarding Agents
- 3332 Conference and Event Planners
- 3333 Employment Agents and Contractors
- 3334 Real Estate and Property Agents
- 3339 Business Services Agents Not Elsewhere Classified

334 ADMINISTRATIVE AND SPECIALIZED SECRETARIES

- 3341 Office Supervisors
- 3342 Legal Secretaries
- 3343 Administrative and Executive Secretaries
- 3344 Medical Secretaries
- 3349 Administrative and Specialized Secretaries Not Elsewhere Classified

335 REGULATORY GOVERNMENT ASSOCIATE PROFESSIONALS

- 3351 Customs and Border Inspectors
- 3352 Taxation and Excise Officials
- 3353 Government Social Benefits Officials
- 3354 Government Licensing Officials
- 3355 Police Inspectors and Detectives
- 3356 Civil Defence Associate Professionals
- 3359 Regulatory Government Associate Professionals Not Elsewhere Classified

34 LEGAL, SOCIAL, CULTURAL AND RELATED ASSOCIATE PROFESSIONALS

341 LEGAL, SOCIAL, AND RELIGIOUS ASSOCIATE PROFESSIONALS

- 3411 Legal and Related Associate Professionals
- 3412 Social Work Associate Professionals
- 3413 Religious Associate Professionals

342 SPORTS, SELF DEFENCE AND FITNESS ASSOCIATE PROFESSIONALS

- 3421 Athletes and Sports Players
- 3422 Sports Coaches, Instructors and Officials
- 3423 Fitness and Recreation Instructors and Program Leaders

343 ARTISTIC, CULTURAL AND CULINARY ASSOCIATE PROFESSIONALS

- 3431 Photographers
- 3432 Interior Designers and Decorators
- 3433 Gallery, Museum and Library Technicians
- 3434 Chefs
- 3435 Other Artistic and Cultural Associate Professionals

35 INFORMATION AND COMMUNICATIONS TECHNICIANS

351 INFORMATION AND COMMUNICATIONS TECHNOLOGY OPERATIONS AND USER SUPPORT TECHNICIANS

- 3511 Information and Communications Technology Operations 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

MAJOR GROUP 4

CLERICAL SUPPORT WORKERS

41 OFFICE CLERKS

411 GENERAL OFFICE CLERKS

- 4110 General Office Clerks

412 SECRETARIES (GENERAL)

- 4120 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-Collectors and Related Workers

422 CLIENT INFORMATION WORKERS

- 4221 Travel Consultants and Clerks
- 4222 Contact/Call Centre Information Clerks
- 4223 Telephone Switchboard Operators
- 4224 Hotel Receptionists
- 4225 Enquiry Clerks
- 4226 Receptionists (General)
- 4227 Survey and Market Research Interviewers
- 4229 Client Information Workers Not Elsewhere Classified

43 NUMERICAL AND MATERIAL RECORDING CLERKS

431 NUMERICAL CLERKS

- 4311 Accounting and Bookkeeping Clerks
- 4312 Statistical, Finance and Insurance Clerks
- 4313 Payroll Clerks

432 MATERIAL - RECORDING AND TRANSPORTATION CLERKS

- 4321 Stock Clerks
- 4322 Production Clerks
- 4323 Transportation 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

MAJOR GROUP 5

SERVICE AND SALES WORKERS

51 PERSONAL SERVICES WORKERS

511 TRAVEL ATTENDANTS, CONDUCTORS AND TRAVEL GUIDES

- 5111 Travel Attendants and Travel Stewards
- 5112 Transport Conductors
- 5113 Travel Guides

512 COOKS

5120 Cooks

513 WAITERS AND BARTENDERS

5131 Waiters and Waitress

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 SALESPERSONS

5211 Stall and Market Salespersons

5212 Street Food Salespersons

522 SHOP SALESPERSONS

5221 Shop Keepers

5222 Shop Supervisors

5223 Shop Sales Assistants

523 CASHIERS AND TICKET CLERKS

5230 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 Service Counter Attendants

5249 Sales Workers Not Elsewhere Classified

53 EDUCATION AND SOCIAL SERVICES WORKERS

531 CHILD CARE WORKERS AND TEACHERS AIDE

5311 Child Care Workers

5312 Teachers Aide

532 PERSONAL CARE WORKERS IN MEDICAL CENTER

5321 Health Care Assistants

5322 Home-Based Personal Care Workers

5329 Personal Care Workers in Medical Services Center 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/Custom Officers and Assistant

5419 Protective Services Workers Not Elsewhere Classified

MAJOR GROUP 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, LIVESTOCK FARMERS AND ANIMAL PRODUCT PRODUCERS

6121 Livestock and Dairy Producers

6122 Aves Producers

6123 Fishery Producers and Farmers

6129 Animal Producers Not Elsewhere Classified

613 MIXED CROP AND ANIMAL PRODUCERS

6130 Mixed Crop and Animal Producers

62 MARKET-ORIENTED SKILLED FORESTRY, FISHERY AND HUNTING WORKERS

621 FORESTRY AND RELATED WORKERS

- 6211 Forestry and Related Workers
- 6212 Charcoal Burners and Related Workers

622 FISHERY WORKERS, HUNTERS AND TRAPPERS

- 6221 Aquaculture Workers
- 6222 Inland and Coastal Waters Fishery Workers
- 6223 Deep-Sea Fishery Workers
- 6224 Hunters and Trappers

63 SUBSISTENCE FARMERS, FISHERMAN, HUNTERS AND GATHERERS

631 SUBSISTENCE CROP FARMERS

- 6310 Subsistence Crop Farmers

632 SUBSISTENCE LIVESTOCK FARMERS

- 6320 Subsistence Livestock Farmers

633 SUBSISTENCE MIXED CROP AND LIVESTOCK FARMERS

- 6330 Subsistence Mixed Crop and Livestock Farmers

634 SUBSISTENCE FISHERS, HUNTERS, TRAPPERS AND GATHERERS

- 6340 Subsistence Fishers, Hunters, Trappers and Gatherers

MAJOR GROUP 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 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

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 Inscribers
- 7317 Handicraft Workers of Wood, Basketry and Related Materials
- 7318 Handicraft Workers of Textile, Leather and Related Materials
- 7319 Handicraft Workers Not Elsewhere Classified

732 PRINTING TRADES WORKERS

- 7321 Pre-Press Technicians
- 7322 Printers
- 7323 Print Finishing and Binding Workers
- 7324 Printing and Photo Engravers and Inscribers

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 Services

75 FOOD PROCESSING, WOOD WORKING, GARMENT AND OTHER CRAFT AND RELATED TRADES WORKERS

751 FOOD PROCESSING AND RELATED TRADES WORKERS

- 7511 Butchers, Fishmongers and Related Food Preparers
- 7512 Bakers, Pastry-Cooks and Confectionery Makers
- 7513 Dairy-Products Makers
- 7514 Fruit, Vegetable and Related Preservers
- 7515 Food and Beverage Tasters and Graders
- 7516 Tobacco Preparers and Tobacco Products Makers

752 WOOD TREATERS, CABINET-MAKERS AND RELATED TRADES WORKERS

- 7521 Wood Treaters
- 7522 Cabinet-Makers and Related Workers
- 7523 Woodworking-Machine Tool Setters and Operators

753 GARMENT AND RELATED TRADES WORKERS

- 7531 Tailors, Dressmakers, Furriers and Hatters
- 7532 Garment and Related Pattern-Makers and Cutters
- 7533 Shoemakers and Related Workers
- 7534 Upholsterers and Related Workers
- 7535 Pelt Dressers, Tanners and Fellmongers

754 OTHER CRAFT AND RELATED WORKERS

- 7541 Underwater Divers
- 7542 Shotfirers and Blasters
- 7543 Product Graders and Testers (Excluding Foods and Beverages)
- 7544 Fumigators, Pest and Weed Controllers
- 7549 Craft and Related Trades Workers Not Elsewhere Classified

MAJOR GROUP 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 Product 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 Fiber 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

- 8160 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
- 8184 Glass and Ceramics Kiln and Related Machine Operators
- 8189 Stationary Plant and Machine Operators Not Elsewhere Classified

819 PRINTING, BINDING AND PAPER PRODUCTS MACHINE OPERATORS

- 8191 Printing Machine Operators
- 8192 Bookbinding Machine Operators

82 ASSEMBLERS

821 ASSEMBLERS

- 8211 Mechanical Machinery Assemblers
- 8212 Electrical and Electronics Equipment Assemblers
- 8213 Leather, Metal, Rubber and Plastic Products Assemblers
- 8219 Assemblers Not Elsewhere Classified

822 METAL AND MINERALS PRODUCTS MACHINE 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 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 Earthmoving and Related Plant Operators
- 8343 Crane, Hoist and Related Plant Operators
- 8344 Lifting Truck Operators

835 SHIPS DECK CREWS AND RELATED WORKERS

- 8350 Ships Deck Crews and Related Workers

91 CLEANERS AND HELPERS

911 DOMESTIC, HOTEL AND OFFICE CLEANERS AND HELPERS

- 9111 Domestic Cleaners and Helpers
- 9112 Cleaners and Helpers in Offices, Hotel and Other Establishment

912 VEHICLE, WINDOW, LAUNDRY AND OTHER HAND CLEANING WORKERS

- 9121 Hand Laundryman and Ironers
- 9122 Vehicle Cleaners
- 9123 Window Cleaners
- 9129 Other Cleaning Workers

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

93 MINING, CONSTRUCTION, MANUFACTURING AND TRANSPORTATION 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
- 9322 Rubber Processing Workers
- 9329 Manufacturing Labourers Not Elsewhere Classified

933 TRANSPORTATION AND STORAGE LABOURERS

- 9331 Hand and Pedal Vehicle Drivers
- 9332 Machinery and Animal – Drawn Vehicles Drivers
- 9333 Freight Handlers
- 9334 Shelf Fillers
- 9335 Storage Labourers

94 FOOD PREPARATION ASSISTANT

941 FOOD PREPARATION ASSISTANT

- 9411 Fast Food Preparers
- 9412 Kitchen Helpers

- 95 STREET AND RELATED SALES AND SERVICES WORKERS**

- 951 STREET AND RELATED SERVICES WORKERS**
 - 9510 Street and Related Services Workers

- 952 STREET VENDORS (EXCLUDING FOOD)**
 - 9520 Street Vendors (Excluding Food)

- 96 REFUSE WORKERS AND OTHER ELEMENTARY WORKERS**

- 961 REFUSE WORKERS**
 - 9611 Garbage Collectors
 - 9612 Refuse 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

MAJOR GROUP 0

ARMED FORCES OCCUPATIONS

- 01 THE MALAYSIAN ARMY**

- 011 THE MALAYSIAN ARMY COMMISSIONED OFFICERS**
 - 0110 The Malaysian Army Commissioned Officers

- 012 THE MALAYSIAN ARMY OTHER RANKS**
 - 0120 The Malaysian Army Other Ranks

- 02 ROYAL MALAYSIAN NAVY**

- 021 ROYAL MALAYSIAN NAVY COMMISSIONED OFFICERS**
 - 0210 Royal Malaysian Navy Commissioned Officers

- 022 ROYAL MALAYSIAN NAVY OTHER RANKS**
 - 0220 Royal Malaysian Navy Other Ranks

- 03 ROYAL MALAYSIAN AIR FORCE**

- 031 ROYAL MALAYSIAN AIR FORCE COMMISSIONED OFFICERS**
0310 Royal Malaysian Air Force Commissioned Officers

- 032 ROYAL MALAYSIAN AIR FORCE OTHER RANKS**
0320 Royal Malaysian Air Force Other Ranks