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**Structure of the International Standard Classification of Occupations (ISCO-08)**

Prepared by the International Labour Organization



**Annex to the resolution of the Tripartite Meeting of  
Experts on Labour Statistics: Updating the  
International Standard Classification of  
Occupations (ISCO)**

**International Labour Office, Geneva, December 2007**

**Structure of the International Standard Classification of  
Occupations (ISCO-08)**

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# Structure of the International Standard Classification of Occupations (ISCO-08)

## *Major Groups*

- 1 Managers
- 2 Professionals
- 3 Technicians and associate professionals
- 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
- 9 Elementary occupations
- 0 Armed forces occupations

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## ***Major groups and sub-major groups***

- 1 Managers
  - 11 Chief executives, senior officials and legislators
  - 12 Administrative and commercial managers
  - 13 Production and specialized services managers
  - 14 Hospitality, retail and other services managers
- 2 Professionals
  - 21 Science and engineering professionals
  - 22 Health professionals
  - 23 Teaching professionals
  - 24 Business and administration professionals
  - 25 Information and communications technology professionals
  - 26 Legal, social and cultural professionals
- 3 Technicians and associate professionals
  - 31 Science and engineering associate professionals
  - 32 Health associate professionals
  - 33 Business and administration associate professionals
  - 34 Legal, social, cultural and related associate professionals
  - 35 Information and communications technicians
- 4 Clerical support workers
  - 41 General and keyboard clerks
  - 42 Customer services clerks
  - 43 Numerical and material recording clerks
  - 44 Other clerical support workers
- 5 Service and sales workers
  - 51 Personal service workers
  - 52 Sales workers
  - 53 Personal care workers
  - 54 Protective services workers

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- 6 Skilled agricultural, forestry and fishery workers
    - 61 Market-oriented skilled agricultural workers
    - 62 Market-oriented skilled forestry, fishing and hunting workers
    - 63 Subsistence farmers, fishers, hunters and gatherers
  - 7 Craft and related trades workers
    - 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, wood working, garment and other craft and related trades workers
  - 8 Plant and machine operators, and assemblers
    - 81 Stationary plant and machine operators
    - 82 Assemblers
    - 83 Drivers and mobile plant operators
  - 9 Elementary occupations
    - 91 Cleaners and helpers
    - 92 Agricultural, forestry and fishery labourers
    - 93 Labourers in mining, construction, manufacturing and transport
    - 94 Food preparation assistants
    - 95 Street and related sales and service workers
    - 96 Refuse workers and other elementary workers
  - 0 Armed forces occupations
    - 01 Commissioned armed forces officers
    - 02 Non-commissioned armed forces officers
    - 03 Armed forces occupations, other ranks

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## ***Major groups, sub-major groups and minor groups***

- 1 Managers
  - 11 Chief executives, senior officials and legislators
    - 111 Legislators and senior officials
    - 112 Managing directors and chief executives
  - 12 Administrative and commercial managers
    - 121 Business services and administration managers
    - 122 Sales, marketing and development managers
  - 13 Production and specialized services managers
    - 131 Production managers in agriculture, forestry and fisheries
    - 132 Manufacturing, mining, construction, and distribution managers
    - 133 Information and communications technology service managers
    - 134 Professional services managers
  - 14 Hospitality, retail and other services managers
    - 141 Hotel and restaurant managers
    - 142 Retail and wholesale trade managers
    - 143 Other services managers
- 2 Professionals
  - 21 Science and engineering professionals
    - 211 Physical and earth science professionals
    - 212 Mathematicians, actuaries and statisticians
    - 213 Life science professionals
    - 214 Engineering professionals (excluding electrotechnology)
    - 215 Electrotechnology engineers
    - 216 Architects, planners, surveyors and designers
  - 22 Health professionals
    - 221 Medical doctors
    - 222 Nursing and midwifery professionals

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- 223 Traditional and complementary medicine professionals
  - 224 Paramedical practitioners
  - 225 Veterinarians
  - 226 Other health professionals
  - 23 Teaching professionals
    - 231 University and higher education teachers
    - 232 Vocational education teachers
    - 233 Secondary education teachers
    - 234 Primary school and early childhood teachers
    - 235 Other teaching professionals
  - 24 Business and administration professionals
    - 241 Finance professionals
    - 242 Administration professionals
    - 243 Sales, marketing and public relations professionals
  - 25 Information and communications technology professionals
    - 251 Software and applications developers and analysts
    - 252 Database and network professionals
  - 26 Legal, social and cultural professionals
    - 261 Legal professionals
    - 262 Librarians, archivists and curators
    - 263 Social and religious professionals
    - 264 Authors, journalists and linguists
    - 265 Creative and performing artists
  - 3 Technicians and associate professionals
    - 31 Science and engineering associate professionals
      - 311 Physical and engineering science technicians
      - 312 Mining, manufacturing and construction supervisors
      - 313 Process control technicians
      - 314 Life science technicians and related associate professionals

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- 315 Ship and aircraft controllers and technicians
  - 32 Health associate professionals
    - 321 Medical and pharmaceutical technicians
    - 322 Nursing and midwifery associate professionals
    - 323 Traditional and complementary medicine associate professionals
    - 324 Veterinary technicians and assistants
    - 325 Other health associate professionals
  - 33 Business and administration associate professionals
    - 331 Financial and mathematical associate professionals
    - 332 Sales and purchasing agents and brokers
    - 333 Business services agents
    - 334 Administrative and specialized secretaries
    - 335 Regulatory government associate professionals
  - 34 Legal, social, cultural and related associate professionals
    - 341 Legal, social and religious associate professionals
    - 342 Sports and fitness workers
    - 343 Artistic, cultural and culinary associate professionals
  - 35 Information and communications technicians
    - 351 Information and communications technology operations and user support technicians
    - 352 Telecommunications and broadcasting technicians
  - 4 Clerical support workers
    - 41 General and keyboard clerks
      - 411 General office clerks
      - 412 Secretaries (general)
      - 413 Keyboard operators
    - 42 Customer services clerks
      - 421 Tellers, money collectors and related clerks
      - 422 Client information workers



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- 43 Numerical and material recording clerks
    - 431 Numerical clerks
    - 432 Material-recording and transport clerks
  - 44 Other clerical support workers
    - 441 Other clerical support workers
  - 5 Service and sales workers
    - 51 Personal service workers
      - 511 Travel attendants, conductors and guides
      - 512 Cooks
      - 513 Waiters and bartenders
      - 514 Hairdressers, beauticians and related workers
      - 515 Building and housekeeping supervisors
      - 516 Other personal services workers
    - 52 Sales workers
      - 521 Street and market salespersons
      - 522 Shop salespersons
      - 523 Cashiers and ticket clerks
      - 524 Other sales workers
    - 53 Personal care workers
      - 531 Child care workers and teachers' aides
      - 532 Personal care workers in health services
    - 54 Protective services workers
      - 541 Protective services workers
  - 6 Skilled agricultural, forestry and fishery workers
    - 61 Market-oriented skilled agricultural workers
      - 611 Market gardeners and crop growers
      - 612 Animal producers
      - 613 Mixed crop and animal producers

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- 62 Market-oriented skilled forestry, fishery and hunting workers
    - 621 Forestry and related workers
    - 622 Fishery workers, hunters and trappers
  - 63 Subsistence farmers, fishers, hunters and gatherers
    - 631 Subsistence crop farmers
    - 632 Subsistence livestock farmers
    - 633 Subsistence mixed crop and livestock farmers
    - 634 Subsistence fishers, hunters, trappers and gatherers
  - 7 Craft and related trades workers
    - 71 Building and related trades workers, excluding electricians
      - 711 Building frame and related trades workers
      - 712 Building finishers and related trades workers
      - 713 Painters, building structure cleaners and related trades workers
    - 72 Metal, machinery and related trades workers
      - 721 Sheet and structural metal workers, moulders and welders, and related workers
      - 722 Blacksmiths, toolmakers and related trades workers
      - 723 Machinery mechanics and repairers
    - 73 Handicraft and printing workers
      - 731 Handicraft workers
      - 732 Printing trades workers
    - 74 Electrical and electronic trades workers
      - 741 Electrical equipment installers and repairers
      - 742 Electronics and telecommunications installers and repairers
    - 75 Food processing, wood working, garment and other craft and related trades workers
      - 751 Food processing and related trades workers
      - 752 Wood treaters, cabinet-makers and related trades workers
      - 753 Garment and related trades workers
      - 754 Other craft and related workers

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- 8 Plant and machine operators, and assemblers
    - 81 Stationary plant and machine operators
      - 811 Mining and mineral processing plant operators
      - 812 Metal processing and finishing plant operators
      - 813 Chemical and photographic products plant and machine operators
      - 814 Rubber, plastic and paper products machine operators
      - 815 Textile, fur and leather products machine operators
      - 816 Food and related products machine operators
      - 817 Wood processing and papermaking plant operators
      - 818 Other stationary plant and machine operators
    - 82 Assemblers
      - 821 Assemblers
    - 83 Drivers and mobile plant operators
      - 831 Locomotive engine drivers and related workers
      - 832 Car, van and motorcycle drivers
      - 833 Heavy truck and bus drivers
      - 834 Mobile plant operators
      - 835 Ships' deck crews and related workers
  - 9 Elementary occupations
    - 91 Cleaners and helpers
      - 911 Domestic, hotel and office cleaners and helpers
      - 912 Vehicle, window, laundry and other hand cleaning workers
    - 92 Agricultural, forestry and fishery labourers
      - 921 Agricultural, forestry and fishery labourers
    - 93 Labourers in mining, construction, manufacturing and transport
      - 931 Mining and construction labourers
      - 932 Manufacturing labourers
      - 933 Transport and storage labourers

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- 94 Food preparation assistants
    - 941 Food preparation assistants
  - 95 Street and related sales and service workers
    - 951 Street and related service workers
    - 952 Street vendors (excluding food)
  - 96 Refuse workers and other elementary workers
    - 961 Refuse workers
    - 962 Other elementary workers
  - 0 Armed forces occupations
    - 01 Commissioned armed forces officers
      - 011 Commissioned armed forces officers
    - 02 Non-commissioned armed forces officers
      - 021 Non-commissioned armed forces officers
    - 03 Armed forces occupations, other ranks
      - 031 Armed forces occupations, other ranks

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**Major groups, sub-major groups, minor groups and unit groups**

- 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
      - 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
      - 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

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- 1324 Supply, distribution and related managers
  - 133 Information and communications technology service managers
    - 1330 Information and communications technology service 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
      - 1439 Services managers not elsewhere classified
  - 2 Professionals
    - 21 Science and engineering professionals
      - 211 Physical and earth science professionals
        - 2111 Physicists and astronomers
        - 2112 Meteorologists
        - 2113 Chemists
        - 2114 Geologists and geophysicists
      - 212 Mathematicians, actuaries and statisticians
        - 2120 Mathematicians, actuaries and statisticians

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- 213 Life science professionals
    - 2131 Biologists, botanists, zoologists and related professionals
    - 2132 Farming, forestry and fisheries advisers
    - 2133 Environmental protection 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 Electronics 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
  - 22 Health professionals
    - 221 Medical doctors
      - 2211 Generalist medical practitioners
      - 2212 Specialist medical practitioners
    - 222 Nursing and midwifery professionals
      - 2221 Nursing professionals

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- 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 Audiologists and speech therapists
    - 2267 Optometrists and ophthalmic opticians
    - 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 Other teaching professionals
      - 2351 Education methods specialists
      - 2352 Special needs teachers



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- 2353 Other language teachers
  - 2354 Other music teachers
  - 2355 Other arts teachers
  - 2356 Information technology trainers
  - 2359 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
  - 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 sales professionals
- 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

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- 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 scientists
      - 2634 Psychologists
      - 2635 Social work and counselling 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

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2659 Creative and performing artists not elsewhere classified

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

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

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- 315 Ship and aircraft controllers and technicians
    - 3151 Ships' engineers
    - 3152 Ships' deck officers and pilots
    - 3153 Aircraft pilots and related associate professionals
    - 3154 Air traffic controllers
    - 3155 Air traffic safety electronics technicians
  - 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
    - 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

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- 33 Business and administration 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 related 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 agents and property managers
      - 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
    - 335 Regulatory government associate professionals
      - 3351 Customs and border inspectors
      - 3352 Government tax and excise officials
      - 3353 Government social benefits officials
      - 3354 Government licensing officials
      - 3355 Police inspectors and detectives

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- 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 and fitness workers
      - 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

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- 4 Clerical support workers
    - 41 General and keyboard clerks
      - 411 General office clerks
        - 4110 General office clerks
      - 412 Secretaries (general)
        - 4120 Secretaries (general)
      - 413 Keyboard operators
        - 4131 Typists and word processing 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 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

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- 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
  - 5 Service and sales workers
    - 51 Personal service workers
      - 511 Travel attendants, conductors and guides
        - 5111 Travel attendants and travel stewards
        - 5112 Transport conductors
        - 5113 Travel guides
      - 512 Cooks
        - 5120 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



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- 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 attendants
      - 5246 Food service counter attendants
      - 5249 Sales workers not elsewhere classified

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- 53 Personal care 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
      - 5419 Protective services workers not elsewhere classified
  - 6 Skilled agricultural, forestry and fishery workers
    - 61 Market-oriented skilled agricultural workers
      - 611 Market gardeners and crop growers
        - 6111 Field crop and vegetable growers
        - 6112 Tree and shrub crop growers
        - 6113 Gardeners, horticultural and nursery growers
        - 6114 Mixed crop growers
      - 612 Animal producers
        - 6121 Livestock and dairy producers
        - 6122 Poultry producers
        - 6123 Apiarists and sericulturists
        - 6129 Animal producers not elsewhere classified
      - 613 Mixed crop and animal producers
        - 6130 Mixed crop and animal producers

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- 62 Market-oriented skilled forestry, fishery and hunting workers
    - 621 Forestry and related workers
      - 6210 Forestry 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, fishers, 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
  - 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

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- 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 flamecutters
      - 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

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- 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 technicians
    - 7322 Printers
    - 7323 Print finishing and binding workers
  - 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, 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

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- 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 Sewing, embroidery and related workers
    - 7534 Upholsterers and related workers
    - 7535 Pelt dressers, tanners and fellmongers
    - 7536 Shoemakers and related workers
  - 754 Other craft and related workers
    - 7541 Underwater divers
    - 7542 Shotfirers and blasters
    - 7543 Product graders and testers (excluding foods and beverages)
    - 7544 Fumigators and other pest and weed controllers
    - 7549 Craft and related workers not elsewhere classified
  - 8 Plant and machine operators, and assemblers
    - 81 Stationary plant and machine operators
      - 811 Mining and mineral processing plant operators
        - 8111 Miners and quarriers
        - 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

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- 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
    - 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
  - 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
      - 8219 Assemblers not elsewhere classified

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- 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
  - 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 pressers
        - 9122 Vehicle cleaners
        - 9123 Window cleaners
        - 9129 Other cleaning workers



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- 92 Agricultural, forestry and fishery labourers
    - 921 Agricultural, forestry 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 Labourers in mining, construction, manufacturing and transport
    - 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 and pedal vehicle drivers
      - 9332 Drivers of animal-drawn vehicles and machinery
      - 9333 Freight handlers
      - 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
      - 9510 Street and related service workers

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- 952 Street vendors (excluding food)
    - 9520 Street vendors (excluding food)
  - 96 Refuse workers and other elementary workers
    - 961 Refuse workers
      - 9611 Garbage and recycling 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
      - 9629 Elementary workers not elsewhere classified
  - 0 Armed forces occupations
    - 01 Commissioned armed forces officers
      - 011 Commissioned armed forces officers
        - 0110 Commissioned armed forces officers
    - 02 Non-commissioned armed forces officers
      - 021 Non-commissioned armed forces officers
        - 0210 Non-commissioned armed forces officers
    - 03 Armed forces occupations, other ranks
      - 031 Armed forces occupations, other ranks
        - 0310 Armed forces occupations, other ranks