



## International Labour Office

### **International Standard Classification of Occupations 2008 (ISCO-08) – draft structure**

This document presents the draft structure of the proposed International Standard Classification of Occupations (ISCO-08) as at 14 February 2007. The draft has been updated following consideration by the ILO Technical Expert Group on Updating ISCO-88 of responses to the consultative questionnaire on updating ISCO that was circulated in September 2006.

This near final draft has been posted on the ILO Website for comment by all countries and other interested parties. Comments received by the end of March will be discussed at the meeting of the Technical Expert Group on Updating ISCO to be held in April 2007, together with responses to the consultative questionnaire received from December 2006 onwards. Any comments received during April and May 2007 will be considered by the ILO in preparing the final draft structure.

This structure is the same as that provided as a background document for the information of the United Nations Statistical Commission at its 38<sup>th</sup> Session except that a small number of minor errors have been corrected. In addition, the present document provides information about the correspondence between draft ISCO-08 and ISCO-88 unit groups, and includes notes on some of the changes that have been made.

The first column of the table indicates the proposed ISCO-08 code. A single digit code indicates a major group (MG), a 2-digit code indicates a sub-major group, a 3-digit code indicates a minor group and a 4-digit code indicates a unit group.

Comments and inquiries should be sent by email to [ISCO@ilo.org](mailto:ISCO@ilo.org).

| ISCO 08 Code | Title                                              | ISCO 88 Code                            | Notes                                                                                                                                                |
|--------------|----------------------------------------------------|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0            | Armed Forces occupations                           |                                         | Only occupations unique to the armed forces to be classified here. Options for further detail to be developed based on review of national practices. |
| 01           | Commissioned armed forces officers                 |                                         |                                                                                                                                                      |
| 011          | Commissioned armed forces officers                 |                                         |                                                                                                                                                      |
| 0110         | Commissioned armed forces officers                 | 0110, part                              |                                                                                                                                                      |
| 02           | Non-commissioned armed forces officers             |                                         |                                                                                                                                                      |
| 021          | Non-commissioned armed forces officers             |                                         |                                                                                                                                                      |
| 0210         | Non-commissioned armed forces officers             | 0110, part                              |                                                                                                                                                      |
| 03           | Armed forces occupations, other ranks              |                                         |                                                                                                                                                      |
| 031          | Armed forces occupations, other ranks              |                                         |                                                                                                                                                      |
| 0310         | Armed forces occupations, other ranks              | 0110, part                              |                                                                                                                                                      |
| 1            | Managers, senior officials and legislators         |                                         |                                                                                                                                                      |
| 11           | Chief executives, senior officials and legislators |                                         | Merged ISCO 88 11 with 121                                                                                                                           |
| 111          | Legislators and senior officials                   |                                         |                                                                                                                                                      |
| 1111         | Legislators                                        | 1110                                    |                                                                                                                                                      |
| 1112         | Senior government officials                        | 1120                                    |                                                                                                                                                      |
| 1113         | Traditional chiefs and heads of village            | 1130                                    |                                                                                                                                                      |
| 1114         | Senior officials of special-interest organisations | 1141, 1142, 1143                        |                                                                                                                                                      |
| 112          | Managing directors and chief executives            |                                         |                                                                                                                                                      |
| 1120         | Managing directors and chief executives            | 1210                                    |                                                                                                                                                      |
| 12           | Administrative and commercial managers             |                                         | New for ISCO-08                                                                                                                                      |
| 121          | Business services and administration managers      |                                         | New for ISCO-08                                                                                                                                      |
| 1211         | Corporate services managers                        | 1229, part - 1227, 1317 part, 1228 part | Includes purchasing managers.                                                                                                                        |
| 1212         | Finance managers                                   | 1231, 1317 part                         |                                                                                                                                                      |

|      |                                                                |                                  |                                                                                                                                                                                                                 |
|------|----------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1213 | Human resource managers                                        | 1232,<br>1317,part               |                                                                                                                                                                                                                 |
| 1214 | Policy and administration managers                             | 1239, part                       | Proposal based on Australian experience -deals with some civil service and some private sector jobs,                                                                                                            |
| 122  | Sales, marketing and business development managers             |                                  | New for ISCO-08                                                                                                                                                                                                 |
| 1221 | Sales and marketing managers                                   | 1233, 1317<br>part               |                                                                                                                                                                                                                 |
| 1222 | Advertising and public relations managers                      | 1234, 1317<br>part               |                                                                                                                                                                                                                 |
| 1223 | Research and development managers                              | 1237, 1319<br>part               |                                                                                                                                                                                                                 |
| 13   | Production and specialised services managers                   |                                  | New for ISCO-08. These managers manage the production of the good or service that the organisation is intended to produce. Farm managers category has been deleted and put in Sub-major Group 61                |
| 132  | Manufacturing, mining, construction, and distribution managers |                                  |                                                                                                                                                                                                                 |
| 1321 | Manufacturing managers                                         | 1222, 1312                       |                                                                                                                                                                                                                 |
| 1322 | Mining managers                                                | 1229, part -<br>1319, part       |                                                                                                                                                                                                                 |
| 1323 | Construction managers                                          | 1223, 1313                       |                                                                                                                                                                                                                 |
| 1324 | Supply and distribution managers                               | 1226 part,<br>1235, 1316<br>part | Includes transport company managers                                                                                                                                                                             |
| 133  | Information and communications technology service managers     |                                  | New                                                                                                                                                                                                             |
| 1330 | Information and communications technology service managers     | 1226 part,<br>1236, 1316<br>part | Includes Chief information officer                                                                                                                                                                              |
| 134  | Education, health and welfare service managers                 | 1229 and 1319                    | New - These managers require specialised qualifications and manage the specialised operations of the organisation they work in. They require a higher level of skill than occupations in the proposed group 14. |
| 1341 | Child care service managers                                    | 1229, 1319                       |                                                                                                                                                                                                                 |
| 1342 | Health service managers                                        | 1229, 1319                       | Excludes aged care                                                                                                                                                                                              |

|      |                                                             |                         |                                                                                                                                                                                                                |
|------|-------------------------------------------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1343 | Aged care service managers                                  | 1229, 1319              |                                                                                                                                                                                                                |
| 1344 | Social welfare managers                                     | 1229, 1319              | Excludes aged care                                                                                                                                                                                             |
| 1345 | Education managers                                          | 1229, 1319              |                                                                                                                                                                                                                |
| 135  | Other professional services managers                        |                         | Seek advice from TEG/ISCO members on the content of the group                                                                                                                                                  |
| 1350 | Other professional services managers                        |                         |                                                                                                                                                                                                                |
| 14   | Hospitality, shop and related services managers             |                         | New, but almost all from 13 in ISCO-88. This group is for managers of establishments that provide services directly to the public, usually in organisations that are too small to have hierarchies of managers |
| 141  | Hotel and restaurant managers                               | 1315, part              |                                                                                                                                                                                                                |
| 1411 | Hotel managers                                              | 1315, part              |                                                                                                                                                                                                                |
| 1412 | Restaurant managers                                         | 1315, part              |                                                                                                                                                                                                                |
| 142  | Shop managers                                               |                         |                                                                                                                                                                                                                |
| 1420 | Shop managers                                               | 1314                    |                                                                                                                                                                                                                |
| 143  | Other services managers                                     |                         |                                                                                                                                                                                                                |
| 1431 | Sports, recreation and cultural centre managers             | 1319 part               |                                                                                                                                                                                                                |
| 1439 | Services managers not elsewhere classified                  | 1318 part,<br>1319 part | Includes contact centre managers, shopping centre managers, casino managers                                                                                                                                    |
| 2    | Professionals                                               |                         |                                                                                                                                                                                                                |
| 21   | Science and engineering professionals                       |                         |                                                                                                                                                                                                                |
| 211  | Physicists, chemists and related professionals              |                         |                                                                                                                                                                                                                |
| 2111 | Physicists and astronomers                                  | 2111                    | Includes medical physicists                                                                                                                                                                                    |
| 2112 | Meteorologists                                              | 2112                    |                                                                                                                                                                                                                |
| 2113 | Chemists                                                    | 2113                    |                                                                                                                                                                                                                |
| 2114 | Geologists and geophysicists                                | 2114                    |                                                                                                                                                                                                                |
| 212  | Mathematicians, actuaries and statisticians                 |                         |                                                                                                                                                                                                                |
| 2120 | Mathematicians, actuaries and statisticians                 | 2121, 2122              |                                                                                                                                                                                                                |
| 213  | Life science professionals                                  |                         |                                                                                                                                                                                                                |
| 2131 | Biologists, botanists, zoologists and related professionals | 2211 part               |                                                                                                                                                                                                                |
| 2132 | Pharmacologists, pathologists and related professionals     | 2212                    |                                                                                                                                                                                                                |

|      |                                                           |            |                                                                                                  |
|------|-----------------------------------------------------------|------------|--------------------------------------------------------------------------------------------------|
| 2133 | Agronomists and farming and forestry advisers             | 2213       | Merged with 3147                                                                                 |
| 2134 | Environmental protection professionals                    | 2211 part  | Excludes environmental engineers                                                                 |
| 214  | Engineering professionals                                 |            | Architects and cartographers removed - name changed                                              |
| 2141 | Industrial and production engineers                       | 2149, part | new                                                                                              |
| 2142 | Civil engineers                                           | 2142       |                                                                                                  |
| 2143 | Electrical engineers                                      | 2143       |                                                                                                  |
| 2144 | Electronics engineers                                     | 2144, part | Telecommunications engineers moved to 2148, 2513<br>Telecommunications Engineering Professionals |
| 2145 | Mechanical engineers                                      | 2145       |                                                                                                  |
| 2146 | Chemical engineers                                        | 2146       |                                                                                                  |
| 2147 | Mining engineers, metallurgists and related professionals | 2147       |                                                                                                  |
| 2149 | Engineering professionals not elsewhere classified        | 2149, part | Includes energy engineers and environmental engineers<br>should                                  |
| 215  | Architects, planners, surveyors and designers             |            |                                                                                                  |
| 2151 | Building architects                                       | 2141, part |                                                                                                  |
| 2152 | Landscape architects                                      | 2141, part |                                                                                                  |
| 2153 | Product and garment designers                             | 3471, part |                                                                                                  |
| 2154 | Town and traffic planners                                 | 2141, part |                                                                                                  |
| 2155 | Cartographers and surveyors                               | 2148       |                                                                                                  |
| 2156 | Graphic and multimedia designers                          | 3471, part | moved from 2453                                                                                  |
| 22   | Health professionals                                      |            |                                                                                                  |
| 221  | Medical doctors                                           |            | upgraded, proposed by WHO, 2221                                                                  |
| 2211 | Generalist medical practitioners                          | 2221, part |                                                                                                  |
| 2212 | Specialist medical practitioners                          | 2221, part |                                                                                                  |
| 222  | Nursing and midwifery professionals                       |            |                                                                                                  |
| 2221 | Nursing professionals                                     | 2230, part | split group, supported by WHO                                                                    |
| 2222 | Midwifery professionals                                   | 2230, part | split group, supported by WHO                                                                    |
| 223  | Paramedical professionals                                 |            |                                                                                                  |
| 2231 | Paramedical practitioners                                 | 3221, part | was part of 3210 includes Feldschers                                                             |
| 2232 | Emergency paramedics                                      | 5132, part | was part of 5136 ambulance officers                                                              |

|      |                                                                 |                           |                                                                                                                                                                            |
|------|-----------------------------------------------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 224  | Other health professionals                                      |                           | This category is for all health professionals, except doctors, nurses and paramedical professionals.                                                                       |
| 2241 | Dentists                                                        | 2222                      |                                                                                                                                                                            |
| 2242 | Pharmacists                                                     | 2224                      |                                                                                                                                                                            |
| 2243 | Environmental and occupational health and hygiene professionals | 2229, part,<br>3152, part | Split group, proposed by WHO - Includes Occupational hygienist "Health and safety professional, Environmental health professional".                                        |
| 2244 | Physiotherapists                                                | 3226                      | Chiropractor, Podiatrist, Prosthetist, Prosthetic technician to be moved to 2249 or 3239 as appropriate. Masseur to be moved to "Physiotherapy technician" or "beautician" |
| 2245 | Dieticians and nutritionists                                    | 3223                      |                                                                                                                                                                            |
| 2246 | Audiologists and speech therapists                              | 3229, part                |                                                                                                                                                                            |
| 2247 | Veterinarians                                                   | 2223                      | Moved, no change in content                                                                                                                                                |
| 2249 | Health professionals not elsewhere classified                   | 2229, 3229                | Includes occupational therapists, podiatrists                                                                                                                              |
| 23   | Teaching professionals                                          |                           |                                                                                                                                                                            |
| 231  | University and higher education teachers                        |                           | Name change                                                                                                                                                                |
| 2310 | University and higher education teachers                        | 2310, part                | Vocational education teachers excluded                                                                                                                                     |
| 232  | Vocational education teachers                                   |                           | New group                                                                                                                                                                  |
| 2320 | Vocational education teachers                                   | 2310, part,<br>2320, part |                                                                                                                                                                            |
| 233  | Secondary education teachers                                    |                           |                                                                                                                                                                            |
| 2330 | Secondary education teachers                                    | 2320, part                | Vocational education teachers excluded                                                                                                                                     |
| 234  | Primary school and early childhood teachers                     |                           |                                                                                                                                                                            |
| 2341 | Primary school teachers                                         | 2331, 3310                | merged group 2331, 3310                                                                                                                                                    |
| 2342 | Early childhood educators                                       | 2332, 3320                | Merged group 2332, 3320                                                                                                                                                    |
| 235  | Other teaching professionals                                    |                           |                                                                                                                                                                            |
| 2351 | Education methods specialists                                   | 2351                      | Includes school inspectors                                                                                                                                                 |
| 2352 | Special needs teachers                                          | 2340, 3320                | merged group 2340, 3330                                                                                                                                                    |
| 2353 | Extra-systemic language teachers                                | 2359, part                |                                                                                                                                                                            |
| 2354 | Extra-systemic music teachers                                   | 2359, part                |                                                                                                                                                                            |
| 2355 | Information technology trainers                                 | 2359, part                |                                                                                                                                                                            |

|      |                                                                          |                                            |                                                                                        |
|------|--------------------------------------------------------------------------|--------------------------------------------|----------------------------------------------------------------------------------------|
| 2359 | Other teaching professionals not elsewhere classified                    | 2359, part                                 |                                                                                        |
| 24   | Business and administration professionals                                |                                            |                                                                                        |
| 241  | Finance professionals                                                    |                                            |                                                                                        |
| 2411 | Accountants                                                              | 2411                                       |                                                                                        |
| 2412 | Financial and investment advisers                                        | 2412, 3419 part                            |                                                                                        |
| 2413 | Financial analysts                                                       | 2419 part, 3419 part                       |                                                                                        |
| 242  | Administration professionals                                             |                                            |                                                                                        |
| 2421 | Management and organisation analysts                                     | 2419, part                                 |                                                                                        |
| 2422 | Policy administration professionals                                      | 2419, part                                 |                                                                                        |
| 2423 | Personnel and careers professionals                                      | 2412 part                                  |                                                                                        |
| 2424 | Training and staff development professionals                             | 2412 part                                  |                                                                                        |
| 243  | Sales, marketing and public relations professionals                      |                                            |                                                                                        |
| 2431 | Advertising and marketing professionals                                  | 2419, part                                 |                                                                                        |
| 2432 | Public relations professionals                                           | 2419, part                                 |                                                                                        |
| 2433 | Technical and medical sales professionals (excluding ICT)                | 3415, part                                 |                                                                                        |
| 2434 | Information and communications technology (ICT) sales professionals      | 3415, part                                 |                                                                                        |
| 25   | Information and communications technology (ICT) professionals            |                                            | Upgraded group - was 213                                                               |
| 251  | Software and applications developers and analysts                        |                                            | New group                                                                              |
| 2511 | Systems analysts                                                         | 2131, part                                 | Split group - includes IT business analysts                                            |
| 2512 | Software developers                                                      | 2131, part                                 | Split group, includes software programmers. Excludes applications programmers.         |
| 2513 | Web and multimedia developers                                            | 2131, part -<br>2132, part -<br>2139, part | Split group. Web site designers are included in 2156, graphic and multimedia designers |
| 2514 | Applications programmers                                                 | 2132, part                                 | "Computer programmer" with no additional information to be coded here.                 |
| 2519 | Software and multimedia developers and analysts not elsewhere classified | 2131, part -<br>2132, part -<br>2139, part |                                                                                        |

|      |                                                                 |                                            |                                                                                                                                                                                                 |
|------|-----------------------------------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 252  | Database specialists and systems administrators                 |                                            | New                                                                                                                                                                                             |
| 2521 | Database designers and administrators                           | 2131, part                                 | split group                                                                                                                                                                                     |
| 2522 | Systems administrators                                          | 2131, part                                 | split group                                                                                                                                                                                     |
| 253  | ICT network and hardware professionals                          |                                            | new                                                                                                                                                                                             |
| 2531 | Computer network professionals                                  | 2131, part                                 |                                                                                                                                                                                                 |
| 2532 | Telecommunications engineering professionals                    | 2144, part                                 |                                                                                                                                                                                                 |
| 2539 | ICT network and hardware professionals not elsewhere classified | 2131, part -<br>2132, part -<br>2139, part |                                                                                                                                                                                                 |
| 26   | Legal, social and cultural professionals                        |                                            |                                                                                                                                                                                                 |
| 261  | Legal professionals                                             |                                            |                                                                                                                                                                                                 |
| 2611 | Lawyers                                                         | 2421                                       |                                                                                                                                                                                                 |
| 2612 | Judges                                                          | 2422                                       |                                                                                                                                                                                                 |
| 2619 | Legal professionals not elsewhere classified                    | 2429                                       |                                                                                                                                                                                                 |
| 262  | Librarians, archivists and curators                             |                                            |                                                                                                                                                                                                 |
| 2621 | Archivists and curators                                         | 2431                                       |                                                                                                                                                                                                 |
| 2622 | Librarians and similar information professionals                | 2432                                       |                                                                                                                                                                                                 |
| 263  | Social, religious and related professionals                     |                                            | New name, 244 and 246 merged                                                                                                                                                                    |
| 2631 | Economists                                                      | 2441                                       |                                                                                                                                                                                                 |
| 2632 | Sociologists, anthropologists and related professionals         | 2442                                       |                                                                                                                                                                                                 |
| 2633 | Philosophers, historians and political scientists               | 2443                                       |                                                                                                                                                                                                 |
| 2634 | Philologists, translators and interpreters                      | 2444                                       |                                                                                                                                                                                                 |
| 2635 | Psychologists                                                   | 2445                                       |                                                                                                                                                                                                 |
| 2636 | Social work and counselling professionals                       | 2446                                       |                                                                                                                                                                                                 |
| 2637 | Religious professionals                                         | 2460                                       | Moved from 2470. Monks and Nuns to be excluded. Add note to definition to make it clear that members of religious orders who perform tasks of other occupations should be classified elsewhere. |
| 264  | Creative or performing artists, and writers                     |                                            | TEG/ISCO agreed to move models here and to merge this group with 347. Sports & fitness workers remain in MG 3                                                                                   |
| 2641 | Authors and related writers                                     | 2451                                       | Includes book editor, excludes newspaper editor                                                                                                                                                 |

|      |                                                                       |                      |                                                                                                                                                                                      |
|------|-----------------------------------------------------------------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2642 | Visual artists                                                        | 2452                 |                                                                                                                                                                                      |
| 2643 | Musicians, singers and composers                                      | 2453, 3473, part     | Includes street, night club and related musicians and singers from 3473 (part)                                                                                                       |
| 2644 | Dancers and choreographers                                            | 2454 - 3473, part    | Includes street and night club dancers from 3473 (part)                                                                                                                              |
| 2645 | Film, stage and related actors and directors                          | 2455                 |                                                                                                                                                                                      |
| 2646 | Journalists                                                           | 2451                 | Includes sub-editors, political editors, TV and Radio journalists and interviewers. Newspapers editors. Excludes, photo journalists, cameramen/women, public relations professionals |
| 2647 | Announcers on radio, television and other media                       | 3472                 | moved from 3472                                                                                                                                                                      |
| 2649 | Other creative or performing artists                                  | 3474                 | Includes clown, acrobat, hypnotist, magician moved from 3474                                                                                                                         |
| 3    | Technicians and associate professionals                               |                      |                                                                                                                                                                                      |
| 31   | Science and engineering associate professionals                       |                      |                                                                                                                                                                                      |
| 311  | Physical and engineering science technicians                          |                      |                                                                                                                                                                                      |
| 3111 | Chemical and physical science technicians                             | 3111                 |                                                                                                                                                                                      |
| 3112 | Civil engineering technicians                                         | 3112, 3151           |                                                                                                                                                                                      |
| 3113 | Electrical engineering technicians                                    | 3113, 3152 part      |                                                                                                                                                                                      |
| 3114 | Electronics engineering technicians                                   | 3114 part, 3152 part | Telecommunications and computing excluded                                                                                                                                            |
| 3115 | Mechanical engineering technicians                                    | 3115, 3152 part      |                                                                                                                                                                                      |
| 3116 | Chemical engineering technicians                                      | 3116, 3152 part      |                                                                                                                                                                                      |
| 3117 | Mining and metallurgical technicians                                  | 3117, 3152 part      |                                                                                                                                                                                      |
| 3118 | Draughtspersons                                                       | 3118                 |                                                                                                                                                                                      |
| 3119 | Physical and engineering science technicians not elsewhere classified | 3119                 |                                                                                                                                                                                      |
| 312  | Engineering production supervisors                                    | New group            |                                                                                                                                                                                      |
| 3121 | Mining supervisors                                                    | 7111 part,           |                                                                                                                                                                                      |

|      |                                                              |                                        |                                                                                       |
|------|--------------------------------------------------------------|----------------------------------------|---------------------------------------------------------------------------------------|
|      |                                                              | 8111 part                              |                                                                                       |
| 3122 | Manufacturing supervisors                                    | 8211, part<br>8231, part<br>8232, part |                                                                                       |
| 3123 | Construction supervisors                                     | 7129 part                              |                                                                                       |
| 313  | Process control technicians                                  |                                        | New group                                                                             |
| 3131 | Power production plant operators                             | 8161                                   |                                                                                       |
| 3132 | Steam engine and boiler operators                            | 8162                                   |                                                                                       |
| 3133 | Incinerator and water treatment plant operators              | 8163                                   |                                                                                       |
| 3134 | Chemical processing plant controllers                        | 8152-8153-<br>8154                     |                                                                                       |
| 3135 | Petroleum and natural gas refining plant operators           | 8155                                   |                                                                                       |
| 3136 | Pulp and papermaking plant operators                         | 8142, 8143                             |                                                                                       |
| 3137 | Metal production process controllers                         | 8121, 8122,<br>8123, 8124<br>part      |                                                                                       |
| 3138 | Automated assembly line controllers                          | 8171, 8172,<br>3123                    |                                                                                       |
| 314  | Life science technicians and related associate professionals |                                        |                                                                                       |
| 3141 | Life science technicians (except medical)                    | 3211 part                              |                                                                                       |
| 3142 | Medical laboratory technicians                               | 3211 part                              |                                                                                       |
| 3143 | Veterinary assistants                                        | 3227                                   | Moved from 3227                                                                       |
| 3144 | Agricultural technicians                                     | 3212 part                              | Split group, proposed by FAO                                                          |
| 3145 | Fishery technicians                                          | 3212 part                              | Split group, proposed by FAO                                                          |
| 3146 | Forestry technicians                                         | 3212 part                              | Split group, proposed by FAO                                                          |
| 315  | Ship and aircraft controllers and technicians                |                                        |                                                                                       |
| 3151 | Ships' engineers                                             | 3141                                   |                                                                                       |
| 3152 | Ships' deck officers and pilots                              | 3142                                   |                                                                                       |
| 3153 | Aircraft pilots and related associate professionals          | 3143                                   | Includes "Flying instructors"                                                         |
| 3154 | Air traffic controllers                                      | 3144                                   |                                                                                       |
| 3155 | Air traffic safety technicians                               | 3145                                   | Industry specific – Could be merged with 3114,<br>Electronics engineering technicians |

|      |                                                                 |                          |                                                                                                                                    |
|------|-----------------------------------------------------------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| 32   | Health associate professionals                                  |                          |                                                                                                                                    |
| 321  | Medical, pharmaceutical and veterinary technicians              |                          |                                                                                                                                    |
| 3211 | Doctor's assistants                                             | 3221 part                |                                                                                                                                    |
| 3212 | Medical and pathology laboratory technicians                    | 3211                     | moved from 3142                                                                                                                    |
| 3213 | Pharmaceutical technicians and assistants                       | 3228                     | moved from 3232                                                                                                                    |
| 3214 | Veterinary technicians and assistants                           | 3227                     | moved from 3143                                                                                                                    |
| 322  | Nursing and midwifery associate professionals                   |                          |                                                                                                                                    |
| 3221 | Nursing associate professionals                                 | 3231- 2230,<br>part      |                                                                                                                                    |
| 3222 | Midwifery associate professionals                               | 3232                     |                                                                                                                                    |
| 323  | Other health associate professionals                            |                          |                                                                                                                                    |
| 3231 | Dental assistants and therapists                                | 3225                     | Dental technicians are excluded and are classified in a new unit group 7314, Medical and dental prosthetic and related technicians |
| 3232 | Medical records and health information technicians              |                          |                                                                                                                                    |
| 3233 | Community health workers                                        | 3221, part               | Split group, supported by WHO                                                                                                      |
| 3234 | Optometrists and opticians                                      | 3224                     |                                                                                                                                    |
| 3235 | Physiotherapy technicians and assistants                        | 3226, part               | Includes: massage therapist, electrotherapist.                                                                                     |
| 3236 | Medical equipment technicians                                   | 3133                     | Includes: radiographer, ultrasonographer                                                                                           |
| 3237 | Environmental and occupational health inspectors and associates | 3152 part,<br>3222       | Includes sanitary inspector                                                                                                        |
| 3238 | Traditional and complementary medicine practitioners            | 3241, 3229<br>part       | Includes: acupuncturist, village healer, naturopath, herbalist, homeopath                                                          |
| 3239 | Health associate professionals not elsewhere classified         | 3229 part,<br>3226 part  | Includes: chiropractor, osteopath                                                                                                  |
| 33   | Business and administration associate professionals             |                          |                                                                                                                                    |
| 331  | Financial and mathematical associate professionals              |                          |                                                                                                                                    |
| 3311 | Securities and finance dealers and brokers                      | 3411                     |                                                                                                                                    |
| 3312 | Credit and loans officers                                       | 1317, part<br>3419, part | Includes Financial institution branch manager                                                                                      |
| 3313 | Accounting associate professionals                              | 3433                     | Name change                                                                                                                        |
| 3314 | Statistical, mathematical and actuarial associate professionals | 3434                     |                                                                                                                                    |

|      |                                                                                      |            |                                                                           |
|------|--------------------------------------------------------------------------------------|------------|---------------------------------------------------------------------------|
| 3315 | Valuers and loss assessors                                                           | 3417, part |                                                                           |
| 332  | Sales and purchasing agents and brokers                                              |            |                                                                           |
| 3321 | Insurance representatives                                                            | 3412       |                                                                           |
| 3322 | Commercial sales representatives                                                     | 3415, part | Technical and ICT sales representatives moved to Major group 2            |
| 3323 | Buyers                                                                               | 3416       |                                                                           |
| 3324 | Trade brokers                                                                        | 3421       |                                                                           |
| 333  | Business services agents                                                             |            |                                                                           |
| 3331 | Clearing and forwarding agents                                                       | 3422       |                                                                           |
| 3332 | Conference and event planners                                                        | 3439, part |                                                                           |
| 3333 | Employment agents and contractors                                                    | 3423       |                                                                           |
| 3334 | Real estate agents and property managers                                             | 3413       |                                                                           |
| 3339 | Business services agents not elsewhere classified                                    | 3429       | Includes auctioneers                                                      |
| 334  | Administrative and specialised secretaries                                           |            | Merged group and upgraded to Minor group level                            |
| 3341 | Office supervisors                                                                   | 4115 part  | New group based on requests for supervisors in administrative occupations |
| 3342 | Legal secretaries                                                                    | 4115, part | New group                                                                 |
| 3343 | Administrative and executive secretaries                                             | 3431, part | New group                                                                 |
| 3344 | Medical secretaries                                                                  | 4115, part | New group relationship with medical receptionists to be classified.       |
| 3349 | Administrative and specialised secretaries not elsewhere classified                  | 4115, part |                                                                           |
| 335  | Customs, tax and related government associate professionals                          |            |                                                                           |
| 3351 | Customs and border inspectors                                                        | 3441       |                                                                           |
| 3352 | Government tax and excise officials                                                  | 3442       |                                                                           |
| 3353 | Government social benefits officials                                                 | 3443       |                                                                           |
| 3354 | Government licensing officials                                                       | 3444       |                                                                           |
| 3359 | Customs, tax and related government associate professionals not elsewhere classified | 3449       |                                                                           |
| 34   | Policing, legal, social, cultural and related associate professionals                |            | Title is long but preferable to 'other' or 'miscellaneous'                |
| 341  | Policing and legal associate professionals                                           |            | Both need knowledge of the law and of judicial procedures.                |
| 3411 | Police inspectors and detectives                                                     | 3450       |                                                                           |

|      |                                                           |                          |                                                                                                                            |
|------|-----------------------------------------------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------|
| 3412 | Legal and related associate professionals                 | 3432                     |                                                                                                                            |
| 342  | Social and religious associate professionals              |                          |                                                                                                                            |
| 3421 | Social work associate professionals                       | 3460                     |                                                                                                                            |
| 3422 | Religious associate professionals                         | 3480                     | Was 3480 Includes all nuns and monks. Add comments to definitions to exclude those who perform tasks of other occupations. |
| 343  | Sports and fitness workers                                | 3475, part               | Expanded and upgraded based on suggestion from WTO and examination of practice in UK, USA, Australia, NZ and Canada.       |
| 3431 | Athletes and sports players                               | 3475 part                | Was 3475 split                                                                                                             |
| 3432 | Sports coaches, instructors and officials                 | 3475, part               | Was 3475 split - includes tennis coach, swimming coach, ski instructor                                                     |
| 3433 | Fitness and recreation instructors and program leaders    | 3475, part               | Includes fitness instructors, outdoor adventure guides and horse riding instructors. Includes sailing instructors          |
| 344  | Artistic and cultural associate professionals             |                          |                                                                                                                            |
| 3441 | Photographers                                             | 3131, part               | Includes photo-journalist                                                                                                  |
| 3442 | Interior designers and decorators                         | 3471, part               |                                                                                                                            |
| 3443 | Gallery, library and museum technicians                   |                          | New group                                                                                                                  |
| 3449 | Artistic associate professionals not elsewhere classified |                          | Includes script-girl/boy, prompter, stage manager                                                                          |
| 35   | Information and communications technicians                |                          | Group upgraded                                                                                                             |
| 351  | ICT operations and user support technicians               |                          | New group                                                                                                                  |
| 3511 | ICT operations technicians                                | 3122                     | Changed title                                                                                                              |
| 3512 | ICT user support technicians                              | 3121, part               | Split group                                                                                                                |
| 3513 | Systems testing technicians                               | 2139, part<br>3121, part | Systems testers appear to be an increasingly important group that is not generally separately identified.                  |
| 352  | Web technicians                                           |                          | Split group                                                                                                                |
| 3520 | Web technicians                                           | 3121, part -<br>3122     | Split group                                                                                                                |
| 353  | Communications technicians                                |                          | New                                                                                                                        |
| 3531 | Broadcasting and sound and vision recording technicians   | 3131, part<br>3132       |                                                                                                                            |
| 3532 | Telecommunications engineering technicians                | 3114, part               |                                                                                                                            |

|      |                                                    |            |                                                                                                           |
|------|----------------------------------------------------|------------|-----------------------------------------------------------------------------------------------------------|
| 4    | Clerks                                             |            |                                                                                                           |
| 41   | Office clerks                                      |            |                                                                                                           |
| 411  | General office clerks                              |            | New – There is a large number of clerical workers who perform a range of tasks, usually in small offices. |
| 4110 | General office clerks                              | 4190 part  |                                                                                                           |
| 412  | Numerical clerks                                   |            |                                                                                                           |
| 4121 | Accounting and bookkeeping clerks                  | 4121       |                                                                                                           |
| 4122 | Statistical, finance and insurance clerks          | 4122       |                                                                                                           |
| 4123 | Payroll clerks                                     | 4121       |                                                                                                           |
| 413  | Material-recording and transport clerks            |            |                                                                                                           |
| 4131 | Stock clerks                                       | 4131       |                                                                                                           |
| 4132 | Production clerks                                  | 4132       |                                                                                                           |
| 4133 | Transport clerks                                   | 4133       |                                                                                                           |
| 414  | Library, mail and related clerks                   |            |                                                                                                           |
| 4141 | Library and filing clerks                          | 4141       |                                                                                                           |
| 4142 | Mail carriers and sorting clerks                   | 4142       |                                                                                                           |
| 4143 | Coding, proof-reading and related clerks           | 4143       |                                                                                                           |
| 4144 | Scribes and related workers                        | 4144       | Move to 422?                                                                                              |
| 415  | Keyboard operators                                 |            |                                                                                                           |
| 4151 | Typists and word processing operators              | 4111, 4112 |                                                                                                           |
| 4152 | Data entry clerks                                  | 4113, 4114 |                                                                                                           |
| 416  | Secretaries (general)                              |            |                                                                                                           |
| 4160 | Secretaries (general)                              | 4115, part | Administrative and specialised secretaries are excluded (see 334)                                         |
| 419  | Other office clerks                                |            |                                                                                                           |
| 4191 | Personnel clerks                                   | 4190, part |                                                                                                           |
| 4199 | Other office clerks not elsewhere classified       | 4190, part |                                                                                                           |
| 42   | Customer services clerks                           |            |                                                                                                           |
| 421  | Cashiers, tellers and related clerks               |            |                                                                                                           |
| 4211 | Tellers and other counter clerks                   | 4212       |                                                                                                           |
| 4212 | Bookmakers, croupiers and related gambling workers | 4213       |                                                                                                           |

|      |                                                            |            |                                                                                                                                                                           |
|------|------------------------------------------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4213 | Pawnbrokers and money-lenders                              | 4214       |                                                                                                                                                                           |
| 4214 | Debt-collectors and related workers                        | 4215       |                                                                                                                                                                           |
| 422  | Client information workers                                 |            |                                                                                                                                                                           |
| 4221 | Travel agency and related clerks                           | 4221       | Merged from 3314                                                                                                                                                          |
| 4222 | Contact centre information clerks                          | 4222, part | Split group                                                                                                                                                               |
| 4223 | Telephone switchboard operators                            | 4223       |                                                                                                                                                                           |
| 4224 | Hotel front desk receptionists                             | 4222, part | Split group - 4222                                                                                                                                                        |
| 4225 | Inquiry clerks                                             | 4222, part | Split group - 4222                                                                                                                                                        |
| 4226 | Receptionists (general)                                    | 4222, part | Split group - 4222                                                                                                                                                        |
| 4227 | Survey and market research interviewers                    | 4222, part |                                                                                                                                                                           |
| 4229 | Other client information workers                           | 4222, part | Includes hospital admissions clerks                                                                                                                                       |
| 5    | Service and sales workers                                  |            | Changed title                                                                                                                                                             |
| 51   | Personal and protective services workers                   |            |                                                                                                                                                                           |
| 511  | Travel attendants and related workers                      |            |                                                                                                                                                                           |
| 5111 | Travel attendants and travel stewards                      | 5111       |                                                                                                                                                                           |
| 5112 | Transport conductors                                       | 5112       |                                                                                                                                                                           |
| 5113 | Travel guides                                              | 5113       |                                                                                                                                                                           |
| 512  | Housekeepers and cleaning supervisors                      |            | Group split - see 517 and 518.                                                                                                                                            |
| 5121 | Cleaning supervisors                                       | 9132, part |                                                                                                                                                                           |
| 5122 | Domestic housekeepers                                      | 5121, part |                                                                                                                                                                           |
| 5123 | Housekeepers in hotels, offices and other establishments   | 5121 part  |                                                                                                                                                                           |
| 513  | Personal care and related workers                          |            |                                                                                                                                                                           |
| 5131 | Child-carers                                               | 5131, part | Name change                                                                                                                                                               |
| 5132 | Teachers' Aides                                            | 5131, part | New group                                                                                                                                                                 |
| 5133 | Health care assistants                                     | 5132, part | Provide personal care in support of health professionals in hospitals, clinics, related institutions. Includes nursing aid, hospital orderly, medical imaging assistants. |
| 5134 | Home-based personal care workers                           | 5133       |                                                                                                                                                                           |
| 5135 | Ambulance officers                                         | 5132 part  | New group                                                                                                                                                                 |
| 5139 | Personal care and related workers not elsewhere classified | 5139, part |                                                                                                                                                                           |
| 514  | Hairdressers, beauticians and related workers              |            | New minor group                                                                                                                                                           |

|      |                                                          |                    |                                                                       |
|------|----------------------------------------------------------|--------------------|-----------------------------------------------------------------------|
| 5141 | Hairdressers                                             | 5141 part          |                                                                       |
| 5142 | Beauticians and related workers                          | 5141 part          |                                                                       |
| 515  | Other personal services workers                          |                    |                                                                       |
| 5151 | Astrologers, fortune-tellers and related workers         | 5151, 5152         |                                                                       |
| 5152 | Companions and valets                                    | 5142               |                                                                       |
| 5153 | Undertakers and embalmers                                | 5143               |                                                                       |
| 5154 | Pet groomers and animal care workers                     | 5139, part         |                                                                       |
| 5159 | Other personal services workers not elsewhere classified | 5149               | Includes commercial sex workers. Includes Faith healers               |
| 516  | Protective services workers                              |                    |                                                                       |
| 5161 | Fire-fighters                                            | 5161               |                                                                       |
| 5162 | Police officers                                          | 5162               |                                                                       |
| 5163 | Prison guards                                            | 5163               |                                                                       |
| 5164 | Security guards                                          | 5169 part,<br>9152 |                                                                       |
| 5169 | Protective services workers not elsewhere classified     | 5169               |                                                                       |
| 517  | Chefs and cooks                                          |                    | Upgraded, fast food cooks moved to MG 9                               |
| 5171 | Chefs                                                    | 5122, part         |                                                                       |
| 5172 | Cooks                                                    | 5122, part         | Includes short order cooks                                            |
| 518  | Waiters, waitresses and bartenders                       |                    | Upgraded - was 5123                                                   |
| 5181 | Waiters and waitresses                                   | 5123, part         |                                                                       |
| 5182 | Bartenders                                               | 5123, part         |                                                                       |
| 52   | Sales workers                                            |                    | Merged group, excludes technical and commercial sales representatives |
| 521  | Street and market sales persons                          |                    | New minor group                                                       |
| 5211 | Stall and market salespersons                            | 5230               |                                                                       |
| 5212 | Street food salespersons                                 | 9111               | Group split and moved from MG9                                        |
| 522  | Shop salespersons                                        |                    |                                                                       |
| 5221 | Shop supervisors                                         | 5220, part         |                                                                       |
| 5222 | Shop sales assistants                                    | 5220, part         |                                                                       |
| 523  | Cashiers and ticket clerks                               |                    |                                                                       |

|      |                                                                        |                         |                                                                                                                                                                 |
|------|------------------------------------------------------------------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      |                                                                        |                         | Should cash register operators be identified separately?<br>Includes Checkout operators, Service station console operators. Excludes service station attendants |
| 5230 | Cashiers and ticket clerks                                             | 4211                    |                                                                                                                                                                 |
| 524  | Other sales workers                                                    |                         | New minor group                                                                                                                                                 |
| 5241 | Fashion and other models                                               | 5210                    | Was minor group 521                                                                                                                                             |
| 5242 | Sales demonstrators                                                    | 5220, part              |                                                                                                                                                                 |
| 5243 | Door to door salespersons                                              | 9113 part               | Group split and moved from MG9                                                                                                                                  |
| 5244 | Contact centre salespersons                                            | 9113 part               | Group split and moved from MG9. Includes Internet salespersons                                                                                                  |
| 5245 | Service station attendants                                             |                         | Excludes "Service station cashiers, and those who sell goods in shops at service stations but do not provide forecourt services such as assistance with fuel.   |
| 5246 | Food service counter attendants                                        | 5220 part               |                                                                                                                                                                 |
| 5249 | Other sales workers not elsewhere classified                           |                         |                                                                                                                                                                 |
| 6    | Skilled agricultural, fishery, and forestry workers                    |                         |                                                                                                                                                                 |
| 61   | Market-oriented skilled agricultural and fishery, and forestry workers |                         | Farm managers category has been deleted and put in Sub-major Group 61                                                                                           |
| 611  | Market gardeners and crop growers                                      |                         |                                                                                                                                                                 |
| 6111 | Crop farm supervisors and managers                                     | 6111, 6112, 6114        | New                                                                                                                                                             |
| 6112 | Field crop and vegetable growers                                       | 6111                    |                                                                                                                                                                 |
| 6113 | Tree and shrub crop growers                                            | 6112                    |                                                                                                                                                                 |
| 6114 | Gardeners, horticultural and nursery growers                           | 6113                    |                                                                                                                                                                 |
| 6115 | Mixed crop growers                                                     | 6114                    |                                                                                                                                                                 |
| 612  | Market oriented animal producers and related workers                   |                         |                                                                                                                                                                 |
| 6121 | Livestock and dairy farm supervisors and managers                      | 6121, part - 6124, part | New                                                                                                                                                             |
| 6122 | Livestock and dairy producers                                          | 6121, part, 6124 part   |                                                                                                                                                                 |
| 6123 | Poultry producers                                                      | 6122, 6124 part         | Those who produce poultry and livestock or insects to be classified by the primary activity.                                                                    |
| 6124 | Apiarists and sericulturists                                           | 6123, 6124              |                                                                                                                                                                 |

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|------|-------------------------------------------------------------------------------|----------------------|----------------------------------------------------------------------------------------|
|      |                                                                               | part                 |                                                                                        |
| 6129 | Market-oriented animal producers and related workers not elsewhere classified | 6129                 |                                                                                        |
| 613  | Market-oriented mixed crop and animal farm workers                            |                      | Name change                                                                            |
| 6131 | Mixed crop and livestock farm supervisors and managers                        | 6130, part           |                                                                                        |
| 6132 | Mixed crop and animal farm producers                                          | 6130, part           |                                                                                        |
| 614  | Forestry and related workers                                                  |                      |                                                                                        |
| 6141 | Forestry workers and loggers                                                  | 6141                 | merged with 6142 " Charcoal burners and related workers"                               |
| 615  | Fishery workers, hunters and trappers                                         |                      |                                                                                        |
| 6151 | Aquaculture workers                                                           | 6151                 | Name change                                                                            |
| 6152 | Inland and coastal waters fishery workers                                     | 6152                 |                                                                                        |
| 6153 | Deep-sea fishery workers                                                      | 6153                 |                                                                                        |
| 6154 | Hunters and trappers                                                          | 6154, 9213           | Merged with 9213                                                                       |
| 62   | Subsistence farmers, fishers, hunters and gatherers                           |                      |                                                                                        |
| 621  | Subsistence farmers, fishers, hunters and gatherers                           |                      | Changed title                                                                          |
| 6210 | Subsistence farmers, fishers, hunters and gatherers                           | 6210                 | Restricted to those whose main aim is to produce food for consumption by one household |
| 7    | Craft and related trades workers                                              |                      |                                                                                        |
| 71   | Extraction and building trades workers                                        |                      |                                                                                        |
| 711  | Building frame and related trades workers                                     |                      |                                                                                        |
| 7111 | House builders                                                                | 7121, 7129<br>(part) |                                                                                        |
| 7112 | Bricklayers                                                                   |                      |                                                                                        |
| 7113 | Stonemasons, stone cutters and carvers                                        | 7113, 7122,<br>part  |                                                                                        |
| 7114 | Concrete placers, concrete finishers and related workers                      | 7123                 |                                                                                        |
| 7115 | Carpenters and joiners                                                        | 7124                 |                                                                                        |
| 7119 | Building frame and related trades workers not elsewhere classified            | 7129                 |                                                                                        |
| 712  | Building finishers and related trades workers                                 |                      |                                                                                        |
| 7121 | Roofers                                                                       | 7131                 |                                                                                        |
| 7122 | Floor layers and tile setters                                                 | 7132                 |                                                                                        |

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|------|------------------------------------------------------------------------------------------------------|------------|---------------------------------------------------------------------------|
| 7123 | Plasterers                                                                                           | 7133       |                                                                           |
| 7124 | Insulation workers                                                                                   | 7134       |                                                                           |
| 7125 | Glaziers                                                                                             | 7135       |                                                                           |
| 7126 | Plumbers and pipe fitters                                                                            | 7136       |                                                                           |
| 7127 | Air conditioning and refrigeration mechanics                                                         | 7136, part |                                                                           |
| 713  | Painters, building structure cleaners and related trades workers                                     |            |                                                                           |
| 7131 | Painters and related workers                                                                         | 7141       |                                                                           |
| 7132 | Spray painters and varnishers                                                                        | 7142       |                                                                           |
| 7133 | Building structure cleaners                                                                          | 7143       |                                                                           |
| 7134 | Fumigators and other pests or weed controllers                                                       |            | Excludes aerial sprayers, new group                                       |
| 72   | Metal, machinery and related trades workers                                                          |            |                                                                           |
| 721  | Metal moulders, welders, sheet-metal workers, structural-metal preparers, and related trades workers |            |                                                                           |
| 7211 | Metal moulders and coremakers                                                                        | 7211       |                                                                           |
| 7212 | Welders and flamecutters                                                                             | 7212       |                                                                           |
| 7213 | Sheet-metal workers                                                                                  | 7213       |                                                                           |
| 7214 | Structural-metal preparers and erectors                                                              | 7214       |                                                                           |
| 7215 | Riggers and cable splicers                                                                           | 7215       |                                                                           |
| 722  | Blacksmiths, toolmakers and related trades workers                                                   |            |                                                                           |
| 7221 | Blacksmiths, hammersmiths and forging press workers                                                  | 7221       |                                                                           |
| 7222 | Toolmakers and related workers                                                                       | 7222       |                                                                           |
| 7223 | Metal working machine tool setters and operators                                                     | 7223       | Merged from 8130                                                          |
| 7224 | Metal wheel grinders, polishers and tool sharpeners                                                  | 7224       |                                                                           |
| 723  | Machinery mechanics and repairers                                                                    |            |                                                                           |
| 7231 | Motor vehicle mechanics and repairers                                                                | 7231, part | Includes motor vehicle mechatronic technician. Excludes bicycle repairers |
| 7232 | Aircraft engine repairer and mechanics                                                               | 7232       |                                                                           |
| 7233 | Agricultural or industrial machinery mechanics and repairers                                         | 7233       |                                                                           |
| 7234 | Bicycle and related repairers                                                                        | 7231, part | New group                                                                 |
| 73   | Precision, handicraft, printing and related trades workers                                           |            |                                                                           |
| 731  | Precision workers in metal and related materials                                                     |            |                                                                           |

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|------|--------------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7311 | Precision-instrument makers and repairers                          | 7311 part               | Medical and dental prosthetic and orthotic technicians moved to 7314                                                                                                      |
| 7312 | Musical instrument makers and tuners                               | 7312                    |                                                                                                                                                                           |
| 7313 | Jewellery and precious-metal workers                               | 7313                    |                                                                                                                                                                           |
| 7314 | Medical and dental prosthetic and related technicians              | 7311 part,<br>3226 part | Could be classified in 31 or 32. Skill level may be 3. Skills are mainly associated with engineering although medical, dental and anatomical knowledge is also important. |
| 732  | Potters, glass-makers and related trades workers                   |                         |                                                                                                                                                                           |
| 7321 | Abrasive wheel formers, potters and related workers                | 7321                    |                                                                                                                                                                           |
| 7322 | Glass makers, cutters, grinders and finishers                      | 7322                    |                                                                                                                                                                           |
| 7323 | Glass and ceramics engravers, etchers and decorators               | 7323, 7324              |                                                                                                                                                                           |
| 733  | Handicraft workers in wood, textile, leather and related materials |                         |                                                                                                                                                                           |
| 7331 | Handicraft workers in wood and related materials                   | 7331, 7431,<br>7432     | merged from 7524                                                                                                                                                          |
| 7332 | Handicraft workers in textile, leather and related materials       | 7332                    |                                                                                                                                                                           |
| 734  | Printing and related trades workers                                |                         |                                                                                                                                                                           |
| 7341 | Pre-press technicians                                              | 7341, 7342,<br>7343     |                                                                                                                                                                           |
| 7342 | Printers                                                           | 7346, 8161              |                                                                                                                                                                           |
| 7343 | Print finishing and binding workers                                | 7345, 8162              |                                                                                                                                                                           |
| 74   | Electrotechnology trades workers                                   |                         |                                                                                                                                                                           |
| 741  | Electrical equipment installers and repairers                      |                         |                                                                                                                                                                           |
| 7411 | Building and related electricians                                  | 7137                    |                                                                                                                                                                           |
| 7412 | Electrical mechanics and fitters                                   | 7241                    |                                                                                                                                                                           |
| 7413 | Electrical line installers and repairers                           | 7245 part               | Telecoms and data cable jointers moved to 7423, ICT installers and servicers                                                                                              |
| 742  | Electronics and telecommunications installers and repairers        |                         |                                                                                                                                                                           |
| 7421 | Electronics mechanics and servicers                                | 7243 part,<br>7242      |                                                                                                                                                                           |

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| 7422 | Information and communications technology installers and servicers                | 7242 part,<br>7243 part,<br>7244, 7245 | Computer installers are classified in Major Group 3 as ICT support technicians as installation and set up is usually done by same person |
| 75   | Food processing, wood working, textile and other craft and related trades workers |                                        |                                                                                                                                          |
| 751  | Food processing and related trades workers                                        |                                        |                                                                                                                                          |
| 7511 | Butchers, fishmongers and related food preparers                                  | 7411                                   |                                                                                                                                          |
| 7512 | Bakers, pastry-cooks and confectionery makers                                     | 7412                                   |                                                                                                                                          |
| 7513 | Dairy-products makers                                                             | 7413                                   |                                                                                                                                          |
| 7514 | Fruit, vegetable and related preservers                                           | 7414                                   |                                                                                                                                          |
| 7515 | Food and beverage tasters and graders                                             | 7415                                   |                                                                                                                                          |
| 7516 | Tobacco preparers and tobacco products makers                                     | 7416                                   |                                                                                                                                          |
| 752  | Wood treaters, cabinet-makers and related trades workers                          |                                        |                                                                                                                                          |
| 7521 | Wood treaters                                                                     | 7421                                   |                                                                                                                                          |
| 7522 | Cabinet-makers and related workers                                                | 7422                                   |                                                                                                                                          |
| 7523 | Woodworking-machine tool setters and operators                                    | 7423, 8194                             | merged from 8194                                                                                                                         |
| 753  | Textile, garment and related trades workers                                       |                                        |                                                                                                                                          |
| 7531 | Tailors, dressmakers, furriers and hatters                                        | 7433, 7434                             |                                                                                                                                          |
| 7532 | Textile, leather and related pattern-makers and cutters                           | 7435                                   |                                                                                                                                          |
| 7533 | Sewers, embroiderers and related workers                                          | 7436                                   |                                                                                                                                          |
| 7534 | Upholsterers and related workers                                                  | 7437                                   |                                                                                                                                          |
| 7535 | Pelt dressers, tanners and fellmongers                                            | 7441                                   |                                                                                                                                          |
| 7536 | Shoemakers and related workers                                                    | 7442                                   |                                                                                                                                          |
| 754  | Other craft and related workers                                                   |                                        |                                                                                                                                          |
| 7541 | Underwater divers                                                                 | 7216                                   | Name change from underwater workers                                                                                                      |
| 7542 | Shoffirers and blasters                                                           | 7112                                   |                                                                                                                                          |
| 7543 | Product graders and testers                                                       |                                        |                                                                                                                                          |
| 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                                     |                                        |                                                                                                                                          |

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| 8111 | Miners and Quarriers                                                         | 8111, 7111,<br>7113, part                                        | Includes stone splitters; mining workers who use hand tools only are classified in Unit group 9311, Mining and quarrying labourers. |
| 8112 | Mineral ore and stone processing plant operators                             | 8112                                                             |                                                                                                                                     |
| 8113 | Well drillers and borers and related workers                                 | 8113                                                             |                                                                                                                                     |
| 8114 | Cement, stone and other mineral products machine operators                   | 8212                                                             |                                                                                                                                     |
| 812  | Metal processing and finishing plant operators                               |                                                                  |                                                                                                                                     |
| 8121 | Metal processing plant operators                                             | 8121, 8122,<br>8123, 8124                                        |                                                                                                                                     |
| 8122 | Metal finishing, plating and coating machine operators                       | 8223                                                             |                                                                                                                                     |
| 813  | Chemical and photographic products plant and machine operators               |                                                                  |                                                                                                                                     |
| 8131 | Chemical products plant and machine operators                                | 8151, 8152,<br>8153, 8154,<br>8155, 8159,<br>8221, 8222,<br>8229 |                                                                                                                                     |
| 8132 | Photographic products machine operators                                      | 7344, 8224                                                       | Merged from 7344                                                                                                                    |
| 814  | Rubber, plastic and paper products machine operators                         |                                                                  |                                                                                                                                     |
| 8141 | Rubber products machine operators                                            | 8231, part                                                       |                                                                                                                                     |
| 8142 | Plastic products machine operators                                           | 8232, part                                                       |                                                                                                                                     |
| 8143 | Paper products machine operators                                             | 8253                                                             |                                                                                                                                     |
| 815  | Textile, fur and leather products machine operators                          |                                                                  |                                                                                                                                     |
| 8151 | Fibre preparing, spinning and winding machine operators                      | 8261                                                             |                                                                                                                                     |
| 8152 | Weaving and knitting machine operators                                       | 8262                                                             |                                                                                                                                     |
| 8153 | Sewing machine operators                                                     | 8263                                                             |                                                                                                                                     |
| 8154 | Bleaching, dyeing and fabric cleaning machine operators                      | 8264, part                                                       | Excludes laundry machine operators                                                                                                  |
| 8155 | Fur and leather preparing machine operators                                  | 8265                                                             |                                                                                                                                     |
| 8156 | Shoemaking and related machine operators                                     | 8266                                                             |                                                                                                                                     |
| 8157 | Laundry machine operators                                                    | 8264 part                                                        |                                                                                                                                     |
| 8159 | Textile, fur and leather-products machine operators not elsewhere classified | 8269                                                             |                                                                                                                                     |
| 816  | Food and related products machine operators                                  |                                                                  |                                                                                                                                     |

|      |                                                                 |                                                                  |                                               |
|------|-----------------------------------------------------------------|------------------------------------------------------------------|-----------------------------------------------|
|      |                                                                 | 8271, 8272,<br>8273, 8274,<br>8275, 8276,<br>8277, 8278,<br>8279 |                                               |
| 8160 | Food and related products machine operators                     |                                                                  |                                               |
| 817  | Other stationary plant and machine operators                    |                                                                  | Minor groups 813 and 814 have been moved here |
| 8171 | Glass, ceramics and related plant operators                     | 8131, 8139                                                       |                                               |
| 8172 | Wood processing plant operators                                 | 8141                                                             |                                               |
| 8173 | Packing, bottling and labelling machine operators               | 8290, part                                                       |                                               |
| 8179 | Stationary plant and machine operators not elsewhere classified | 8290, part                                                       |                                               |
| 82   | Assemblers                                                      |                                                                  |                                               |
| 821  | Assemblers                                                      |                                                                  | Group upgraded                                |
| 8211 | Mechanical machinery assemblers                                 | 8281                                                             |                                               |
| 8212 | Electrical equipment assemblers                                 | 8282                                                             |                                               |
| 8213 | Electronic equipment assemblers                                 | 8283                                                             |                                               |
| 8214 | Metal, rubber and plastic products assemblers                   | 8284                                                             |                                               |
| 8215 | Wood and related products assemblers                            | 8285                                                             |                                               |
| 8216 | Paperboard, textile and related products assemblers             | 8286                                                             |                                               |
| 8219 | Assemblers not elsewhere classified                             | 8290 part                                                        | Includes composite products assemblers        |
| 83   | Drivers and mobile-plant operators                              |                                                                  |                                               |
| 831  | Locomotive-engine drivers and related workers                   |                                                                  |                                               |
| 8311 | Locomotive-engine drivers                                       | 8311                                                             |                                               |
| 8312 | Railway brakemen, signallers and shunters                       | 8312                                                             |                                               |
| 832  | Car, van and motor-cycle drivers                                |                                                                  | Split ISCO-88 Minor Group 832                 |
| 8321 | Motor-cycle drivers                                             | 8321                                                             |                                               |
| 8322 | Car, taxi and van drivers                                       | 8322                                                             |                                               |
| 833  | Heavy truck and bus drivers                                     |                                                                  |                                               |
| 8331 | Bus and tram drivers                                            | 8323                                                             |                                               |
| 8332 | Heavy truck and lorry drivers                                   | 8324                                                             |                                               |
| 834  | Mobile-plant operators                                          |                                                                  | Name change                                   |
| 8341 | Motorised farm and forestry plant operators                     | 8331                                                             |                                               |

|      |                                                                               |            |                                                                                    |
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| 8342 | Earth-moving- and related plant operators                                     | 8332       |                                                                                    |
| 8343 | Crane, hoist and related plant operators                                      | 8333       |                                                                                    |
| 8344 | Lifting truck operators                                                       | 8334       |                                                                                    |
| 835  | Ships' deck crews and related workers                                         |            |                                                                                    |
| 8350 | Ships' deck crews and related workers                                         | 8340       |                                                                                    |
| 9    | Elementary occupations                                                        |            |                                                                                    |
| 91   | Cleaners and helpers                                                          |            | Group upgraded                                                                     |
| 911  | Domestic, hotel and office cleaners and helpers                               |            |                                                                                    |
| 9111 | Domestic cleaners and helpers                                                 | 9131       |                                                                                    |
| 9112 | Cleaners and helpers in offices, hotels and other establishments              | 9132, part | Kitchen assistants moved to 9412. Includes lavatory attendant                      |
| 912  | Vehicle, window, laundry and other hand cleaning workers                      |            | New group pulling together cleaning occupations from several places in MG 9 and 8. |
| 9121 | Hand launderers and pressers                                                  | 9133       |                                                                                    |
| 9122 | Vehicle cleaners                                                              | 9142, part |                                                                                    |
| 9123 | Window cleaners                                                               | 9142, part |                                                                                    |
| 9129 | Other cleaning workers                                                        | 9142, part | Includes carpet cleaners                                                           |
| 92   | Agricultural, fishery and forestry labourers                                  |            |                                                                                    |
| 921  | Agricultural, fishery and forestry labourers                                  |            |                                                                                    |
| 9211 | Crop farm labourers                                                           | 9211 part  |                                                                                    |
| 9212 | Livestock farm labourers                                                      | 9211 part  |                                                                                    |
| 9213 | Mixed crop and livestock farm labourers                                       | 9211 part  |                                                                                    |
| 9214 | Garden and horticultural labourers                                            | 6113 part  |                                                                                    |
| 9215 | Forestry labourers                                                            | 9212       |                                                                                    |
| 9216 | Fishery and aquaculture labourers                                             | 9213       |                                                                                    |
| 9217 | Water and firewood collectors                                                 | 9162 part  |                                                                                    |
| 93   | Labourers in mining, construction, manufacturing and transport                |            |                                                                                    |
| 931  | Mining and construction labourers                                             |            |                                                                                    |
| 9311 | Mining and quarrying labourers                                                | 9311       |                                                                                    |
| 9312 | Construction and maintenance labourers: roads, dams and similar constructions | 9312       |                                                                                    |

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| 9313 | Building construction labourers                                     | 9313              |                                                                                                       |
| 932  | Manufacturing labourers                                             |                   |                                                                                                       |
| 9321 | Hand packers                                                        | 9321              |                                                                                                       |
| 9329 | Manufacturing labourers not elsewhere classified                    | 9321              | Includes assembling labourers                                                                         |
| 933  | Transport and storage labourers                                     |                   |                                                                                                       |
| 9331 | Hand or pedal vehicle drivers                                       | 9331              |                                                                                                       |
| 9332 | Drivers of animal-drawn vehicles and machinery                      | 9332              |                                                                                                       |
| 9333 | Freight handlers                                                    | 9333 part         |                                                                                                       |
| 9334 | Shelf fillers                                                       | 9333 part         | New group                                                                                             |
| 94   | Food preparation assistants                                         | 911               |                                                                                                       |
| 941  | Food preparation assistants                                         |                   |                                                                                                       |
| 9411 | Fast-food preparers                                                 | 5122 part         |                                                                                                       |
| 9412 | Kitchen helpers                                                     | 9132 part         |                                                                                                       |
| 95   | Street and related sales and service workers                        | 9112 part         |                                                                                                       |
| 951  | Street and related service workers                                  |                   | Changed title                                                                                         |
| 9510 | Street and related service workers                                  | 9120              | Changed title. Includes shoe cleaners, car guards, windscreen washers                                 |
| 952  | Street vendors                                                      | 911 and 9112 part |                                                                                                       |
| 9520 | Street vendors                                                      | 9112 part         | Excludes food vendors and stall and market sales persons.                                             |
| 96   | Refuse workers and other elementary service workers                 |                   |                                                                                                       |
| 961  | Refuse workers                                                      | 916               |                                                                                                       |
| 9611 | Garbage collectors                                                  | 9161, part        |                                                                                                       |
| 9612 | Refuse sorters                                                      | 9161, part        |                                                                                                       |
| 9613 | Sweepers and related labourers                                      | 9162, part        |                                                                                                       |
| 962  | Other elementary service workers                                    |                   |                                                                                                       |
| 9621 | Messengers, package and luggage porters and deliverers              | 9151              | Name change                                                                                           |
| 9622 | Odd job persons                                                     | 9162, part        | Was part of 9162 - Do not seem to fit with sweepers and are a distinct and reasonably numerous group. |
| 9623 | Vending-machine money collectors, meter readers and related workers | 9153              |                                                                                                       |

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| 9629 | Other elementary service workers not elsewhere classified | Ushers, ticket collectors, cloak room attendants, fair ground attendants, parking attendants (except security) |
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