

## APPENDIX A2

### CLASSIFICATIONS AND CODING STANDARDS, ESS1- 2002 EDITION 6.4

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Occupation: ISCO-88 (com) .....	98
Industry: NACE Rev.1 .....	107
Country: ISO 3166-1 .....	109
Language: ISO 639-2 .....	113
Education: EDULVLA, based on ISCED-97 .....	121
Education: EISCED, European survey version of ISCED-97, ES-ISCED..	122

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## ISCO-88 (COM) Coding framework for ESS 2002/2003

**Compiled by:** Norwegian Social Science Data Services on the basis of *ILO International Standard Classification of Occupation: ISCO-88 (International Labour Office, Geneva 1990)* and the *Establishment of Community-Wide Occupational Statistics ISCO-88 (COM) A Guide for Users (Peter Elias and Margaret Birch 1994)*.

0	Armed forces
01	Armed forces
010	Armed forces
0100	Armed forces
1	Legislators, senior officials and managers
11	Legislators and senior officials
111	Legislators and senior government officials
1110	Legislators and senior government officials
114	Senior officials of special-interest organisations
1141	Senior officials of political-party organisations
1142	Senior officials of employers', workers' and other economic-interest organisations
1143	Senior officials of humanitarian and other special-interest organisations
12	Corporate managers
121	Directors and chief executives
1210	Directors and chief executives
122	Production and operations managers
1221	Production and operations managers in agriculture, hunting, forestry and fishing
1222	Production and operations managers in manufacturing
1223	Production and operations managers in construction
1224	Production and operations managers in wholesale and retail trade
1225	Production and operations managers in restaurants and hotels
1226	Production and operations managers in transport, storage and communications
1227	Production and operations managers in business services enterprises
1228	Production and operations managers in personal care, cleaning and related services
1229	Production and operations managers not elsewhere classified
123	Other specialist managers
1231	Finance and administration managers
1232	Personnel and industrial relations managers
1233	Sales and marketing managers
1234	Advertising and public relations managers
1235	Supply and distribution managers
1236	Computing services managers
1237	Research and development managers
1239	Other specialist managers not elsewhere classified
13	Managers of small enterprises
131	Managers of small enterprises
1311	Managers of small enterprises in agriculture, hunting, forestry and fishing
1312	Managers of small enterprises in manufacturing
1313	Managers of small enterprises in construction
1314	Managers of small enterprises in wholesale and retail trade
1315	Managers of small enterprises of restaurants and hotels
1316	Managers of small enterprises in transport, storage and communications
1317	Managers of small enterprises of business services enterprises
1318	Managers of small enterprises in personal care, cleaning and related services
1319	Managers of small enterprises not elsewhere classified
2	Professionals
21	Physical, mathematical and engineering science professionals
211	Physicists, chemists and related professionals
2111	Physicists and astronomers
2112	Meteorologists
2113	Chemists
2114	Geologists and geophysicists
212	Mathematicians, statisticians and related professionals
2121	Mathematicians and related professionals
2122	Statisticians

213 Computing professionals  
 2131 Computer systems designers, analysts and programmers  
 2139 Computing professionals not elsewhere classified  
 214 Architects, engineers and related professionals  
 2141 Architects, town and traffic planners  
 2142 Civil engineers  
 2143 Electrical engineers  
 2144 Electronics and telecommunications engineers  
 2145 Mechanical engineers  
 2146 Chemical engineers  
 2147 Mining engineers, metallurgists and related professionals  
 2148 Cartographers and surveyors  
 2149 Architects, engineers and related professionals not elsewhere classified  
 22 Life science and health professionals  
 221 Life science professionals  
 2211 Biologists, botanists, zoologists and related professionals  
 2212 Pharmacologists, pathologists and related professionals  
 2213 Agronomists and related professionals  
 222 Health professionals (except nursing)  
 2221 Medical doctors  
 2222 Dentists  
 2223 Veterinarians  
 2224 Pharmacists  
 2229 Health professionals (except nursing) not elsewhere classified  
 223 Nursing and midwifery professionals  
 2230 Nursing and midwifery professionals  
 23 Teaching professionals  
 231 College, university and higher education teaching professionals  
 2310 College, university and higher education teaching professionals  
 232 Secondary education teaching professionals  
 2320 Secondary education teaching professionals  
 233 Primary and pre-primary education teaching professionals  
 2331 Primary education teaching professionals  
 2332 Pre-primary education teaching professionals  
 234 Special education teaching professionals  
 2340 Special education teaching professionals  
 235 Other teaching professionals  
 2351 Education methods specialists  
 2352 School inspectors  
 2359 Other teaching professionals not elsewhere classified  
 24 Other professionals  
 241 Business professionals  
 2411 Accountants  
 2412 Personnel and careers professionals  
 2419 Business professionals not elsewhere classified  
 242 Legal professionals  
 2421 Lawyers  
 2422 Judges  
 2429 Legal professionals not elsewhere classified  
 243 Archivists, librarians and related information professionals  
 2431 Archivists and curators  
 2432 Librarians and related information professionals  
 244 Social science and related professionals  
 2441 Economists  
 2442 Sociologists, anthropologists and related professionals  
 2443 Philosophers, historians and political scientists  
 2444 Philologists, translators and interpreters  
 2445 Psychologists  
 2446 Social work professionals  
 245 Writers and creative or performing artists  
 2451 Authors, journalists and other writers  
 2452 Sculptors, painters and related artists  
 2453 Composers, musicians and singers  
 2454 Choreographers and dancers

2455 Film, stage and related actors and directors  
 246 Religious professionals  
 2460 Religious professionals  
 247 Public service administrative professionals  
 2470 Public service administrative professionals  
 3 Technicians and associate professionals  
 31 Physical and engineering science associate professionals  
 311 Physical and engineering science technicians  
 3111 Chemical and physical science technicians  
 3112 Civil engineering technicians  
 3113 Electrical engineering technicians  
 3114 Electronics and telecommunications engineering technicians  
 3115 Mechanical engineering technicians  
 3116 Chemical engineering technicians  
 3117 Mining and metallurgical technicians  
 3118 Draughtspersons  
 3119 Physical and engineering science technicians not elsewhere classified  
 312 Computer associate professionals  
 3121 Computer assistants  
 3122 Computer equipment operators  
 3123 Industrial robot controllers  
 313 Optical and electronic equipment operators  
 3131 Photographers and image and sound recording equipment operators  
 3132 Broadcasting and telecommunications equipment operators  
 3133 Medical equipment operators  
 3139 Optical and electronic equipment operators not elsewhere classified  
 314 Ship and aircraft controllers and technicians  
 3141 Ships' engineers  
 3142 Ships' deck officers and pilots  
 3143 Aircraft pilots and related associate professionals  
 3144 Air traffic controllers  
 3145 Air traffic safety technicians  
 315 Safety and quality inspectors  
 3151 Building and fire inspectors  
 3152 Safety, health and quality inspectors  
 32 Life science and health associate professionals  
 321 Life science technicians and related associate professionals  
 3211 Life science technicians  
 3212 Agronomy and forestry technicians  
 3213 Farming and forestry advisers  
 322 Health associate professionals (except nursing)  
 3221 Medical assistants  
 3222 Hygienists, health and environmental officers  
 3223 Dieticians and nutritionists  
 3224 Optometrists and opticians  
 3225 Dental assistants  
 3226 Physiotherapists and related associate professionals  
 3227 Veterinary assistants  
 3228 Pharmaceutical assistants  
 3229 Health associate professionals (except nursing) not elsewhere classified  
 323 Nursing and midwifery associate professionals  
 3231 Nursing associate professionals  
 3232 Midwifery associate professionals  
 33 Teaching associate professionals  
 331 Primary education teaching associate professionals  
 3310 Primary education teaching associate professionals  
 332 Pre-primary education teaching associate professionals  
 3320 Pre-primary education teaching associate professionals  
 333 Special education teaching associate professionals  
 3330 Special education teaching associate professionals  
 334 Other teaching associate professionals  
 3340 Other teaching associate professionals  
 34 Other associate professionals  
 341 Finance and sales associate professionals

3411 Securities and finance dealers and brokers  
 3412 Insurance representatives  
 3413 Estate agents  
 3414 Travel consultants and organisers  
 3415 Technical and commercial sales representatives  
 3416 Buyers  
 3417 Appraisers, valuers and auctioneers  
 3419 Finance and sales associate professionals not elsewhere classified  
 342 Business services agents and trade brokers  
 3421 Trade brokers  
 3422 Clearing and forwarding agents  
 3423 Employment agents and labour contractors  
 3429 Business services agents and trade brokers not elsewhere classified  
 343 Administrative associate professionals  
 3431 Administrative secretaries and related associate professionals  
 3432 Legal and related business associate professionals  
 3433 Bookkeepers  
 3434 Statistical, mathematical and related associate professionals  
 344 Customs, tax and related government associate professionals  
 3441 Customs and border inspectors  
 3442 Government tax and excise officials  
 3443 Government social benefits officials  
 3444 Government licensing officials  
 3449 Customs, tax and related government associate professionals not elsewhere classified  
 345 Police inspectors and detectives  
 3450 Police inspectors and detectives  
 346 Social work associate professionals  
 3460 Social work associate professionals  
 347 Artistic, entertainment and sports associate professionals  
 3471 Decorators and commercial designers  
 3472 Radio, television and other announcers  
 3473 Street, night-club and related musicians, singers and dancers  
 3474 Clowns, magicians, acrobats and related associate professionals  
 3475 Athletes, sportspersons and related associate professionals  
 348 Religious associate professionals  
 3480 Religious associate professionals  
 4 Clerks  
 41 Office clerks  
 411 Secretaries and keyboard-operating clerks  
 4111 Stenographers and typists  
 4112 Word-processor and related operators  
 4113 Data entry operators  
 4114 Calculating-machine operators  
 4115 Secretaries  
 412 Numerical clerks  
 4121 Accounting and bookkeeping clerks  
 4122 Statistical and finance clerks  
 413 Material-recording and transport clerks  
 4131 Stock clerks  
 4132 Production clerks  
 4133 Transport clerks  
 414 Library, mail and related clerks  
 4141 Library and filing clerks  
 4142 Mail carriers and sorting clerks  
 4143 Coding, proof-reading and related clerks  
 4144 Scribes and related workers  
 419 Other office clerks  
 4190 Other office clerks  
 42 Customer services clerks  
 421 Cashiers, tellers and related clerks  
 4211 Cashiers and ticket clerks  
 4212 Tellers and other counter clerks  
 4213 Bookmakers and croupiers  
 4214 Pawnbrokers and money-lenders

4215 Debt-collectors and related workers  
 422 Client information clerks  
 4221 Travel agency and related clerks  
 4222 Receptionists and information clerks  
 4223 Telephone switchboard operators  
 5 Service workers and shop and market sales workers  
 51 Personal and protective services workers  
 511 Travel attendants and related workers  
 5111 Travel attendants and travel stewards  
 5112 Transport conductors  
 5113 Travel guides  
 512 Housekeeping and restaurant services workers  
 5121 Housekeepers and related workers  
 5122 Cooks  
 5123 Waiters, waitresses and bartenders  
 513 Personal care and related workers  
 5131 Child-care workers  
 5132 Institution-based personal care workers  
 5133 Home-based personal care workers  
 5139 Personal care and related workers not elsewhere classified  
 514 Other personal services workers  
 5141 Hairdressers, barbers, beauticians and related workers  
 5142 Companions and valets  
 5143 Undertakers and embalmers  
 5149 Other personal services workers not elsewhere classified  
 516 Protective services workers  
 5161 Fire-fighters  
 5162 Police officers  
 5163 Prison guards  
 5169 Protective services workers not elsewhere classified  
 52 Models, salespersons and demonstrators  
 521 Fashion and other models  
 5210 Fashion and other models  
 522 Shop, stall and market salespersons and demonstrators  
 5220 Shop, stall and market salespersons and demonstrators  
 6 Skilled agricultural and fishery workers  
 61 Skilled agricultural and fishery workers  
 611 Market gardeners and crop growers  
 6111 Field crop and vegetable growers  
 6112 Gardeners, horticultural and nursery growers  
 612 Animal producers and related workers  
 6121 Dairy and livestock producers  
 6122 Poultry producers  
 6129 Animal producers and related workers not elsewhere classified  
 613 Crop and animal producers  
 6130 Crop and animal producers  
 614 Forestry and related workers  
 6141 Forestry workers and loggers  
 6142 Charcoal burners and related workers  
 615 Fishery workers, hunters and trappers  
 6151 Aquatic-life cultivation workers  
 6152 Inland and coastal waters fishery workers  
 6153 Deep-sea fishery workers  
 6154 Hunters and trappers  
 7 Craft and related trades workers  
 71 Extraction and building trades workers  
 711 Miners, shotfirers, stone cutters and carvers  
 7111 Miners and quarry workers  
 7112 Shotfirers and blasters  
 7113 Stone splitters, cutters and carvers  
 712 Building frame and related trades workers  
 7121 Builders  
 7122 Bricklayers and stonemasons  
 7123 Concrete placers, concrete finishers and related workers

7124 Carpenters and joiners  
 7129 Building frame and related trades workers not elsewhere classified  
 713 Building finishers and related trades workers  
 7131 Roofers  
 7132 Floor layers and tile setters  
 7133 Plasterers  
 7134 Insulation workers  
 7135 Glaziers  
 7136 Plumbers and pipe fitters  
 7137 Building and related electricians  
 7139 Building finishers and related trade workers not elsewhere classified  
 714 Painters, building structure cleaners and related trades workers  
 7141 Painters and related workers  
 7143 Building structure cleaners  
 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  
 7212 Welders and flamecutters  
 7213 Sheet-metal workers  
 7214 Structural-metal preparers and erectors  
 7215 Riggers and cable splicers  
 7216 Underwater workers  
 722 Blacksmiths, tool-makers and related trades workers  
 7221 Blacksmiths, hammer-smiths and forging-press workers  
 7222 Tool-makers and related workers  
 7223 Machine-tool setters and setter-operators  
 7224 Metal wheel-grinders, polishers and tool sharpeners  
 723 Machinery mechanics and fitters  
 7231 Motor vehicle mechanics and fitters  
 7232 Aircraft engine mechanics and fitters  
 7233 Agricultural- or industrial-machinery mechanics and fitters  
 724 Electrical and electronic equipment mechanics and fitters  
 7241 Electrical mechanics, fitters and servicers  
 7242 Electronics mechanics, fitters and servicers  
 7244 Telegraph and telephone installers and servicers  
 7245 Electrical line installers, repairers and cable jointers  
 73 Precision, handicraft, printing and related trades workers  
 731 Precision workers in metal and related materials  
 7311 Precision-instrument makers and repairers  
 7312 Musical instrument makers and tuners  
 7313 Jewellery and precious-metal workers  
 732 Potters, glass-makers and related trades workers  
 7321 Abrasive wheel formers, potters and related workers  
 7322 Glass-makers, cutters, grinders and finishers  
 7323 Glass engravers and etchers  
 7324 Glass, ceramics and related decorative painters  
 733 Handicraft workers in wood, textile, leather and related materials  
 7331 Handicraft workers in wood and related materials  
 7332 Handicraft workers in textile, leather and related materials  
 734 Craft printing and related trades workers  
 7341 Compositors, typesetters and related workers  
 7342 Stereotypers and electrotypers  
 7343 Printing engravers and etchers  
 7344 Photographic and related workers  
 7345 Bookbinders and related workers  
 7346 Silk-screen, block and craft textile printers  
 74 Other craft and related trades workers  
 741 Food processing and related trades workers  
 7411 Butchers, fishmongers and related food preparers  
 7412 Bakers, pastry-cooks and confectionery makers  
 7413 Dairy products workers  
 7414 Fruit, vegetable and related preservers  
 7415 Food and beverage tasters and graders

7416 Tobacco preparers and tobacco products makers  
 742 Wood treaters, cabinet-makers and related trades workers  
 7421 Wood treaters  
 7422 Cabinetmakers and related workers  
 7423 Woodworking machine setters and setter-operators  
 7424 Basketry weavers, brush makers and related workers  
 743 Textile, garment and related trades workers  
 7431 Fibre preparers  
 7432 Weavers, knitters and related workers  
 7433 Tailors, dressmakers and hatters  
 7434 Furriers and related workers  
 7435 Textile, leather and related pattern-makers and cutters  
 7436 Sewers, embroiderers and related workers  
 7437 Upholsterers and related workers  
 744 Pelt, leather and shoemaking trades workers  
 7441 Pelt dressers, tanners and fellmongers  
 7442 Shoe-makers and related workers  
 8 Plant and machine operators and assemblers  
 81 Stationary plant and related operators  
 811 Mining and mineral-processing-plant operators  
 8111 Mining plant operators  
 8112 Mineral-ore- and stone-processing-plant operators  
 8113 Well drillers and borers and related workers  
 812 Metal-processing plant operators  
 8121 Ore and metal furnace operators  
 8122 Metal melters, casters and rolling-mill operators  
 8123 Metal-heat-treating-plant operators  
 8124 Metal drawers and extruders  
 813 Glass, ceramics and related plant operators  
 8131 Glass and ceramics kiln and related machine operators  
 8139 Glass, ceramics and related plant operators not elsewhere classified  
 814 Wood-processing- and papermaking-plant operators  
 8141 Wood-processing-plant operators  
 8142 Paper-pulp plant operators  
 8143 Papermaking-plant operators  
 815 Chemical-processing-plant operators  
 8151 Crushing-, grinding- and chemical-mixing machinery operators  
 8152 Chemical-heat-treating-plant operators  
 8153 Chemical-filtering- and separating-equipment operators  
 8154 Chemical-still and reactor operators (except petroleum and natural gas)  
 8155 Petroleum- and natural-gas-refining-plant operators  
 8159 Chemical-processing-plant operators not elsewhere classified  
 816 Power-production and related plant operators  
 8161 Power-production plant operators  
 8162 Steam-engine and boiler operators  
 8163 Incinerator, water-treatment and related plant operators  
 817 Industrial robot operators  
 8170 Industrial robot operators  
 82 Machine operators and assemblers  
 821 Metal- and mineral-products machine operators  
 8211 Machine-tool operators  
 8212 Cement and other mineral products machine operators  
 822 Chemical-products machine operators  
 8221 Pharmaceutical- and toiletry-products machine operators  
 8222 Ammunition- and explosive-products machine operators  
 8223 Metal finishing-, plating- and coating-machine operators  
 8224 Photographic-products machine operators  
 8229 Chemical-products machine operators not elsewhere classified  
 823 Rubber- and plastic-products machine operators  
 8231 Rubber-products machine operators  
 8232 Plastic-products machine operators  
 824 Wood-products machine operators  
 8240 Wood-products machine operators  
 825 Printing-, binding- and paper-products machine operators



8251 Printing-machine operators  
 8252 Bookbinding-machine operators  
 8253 Paper-products machine operators  
 826 Textile-, fur- and leather-products machine operators  
 8261 Fibre-preparing-, spinning- and winding-machine operators  
 8262 Weaving- and knitting-machine operators  
 8263 Sewing-machine operators  
 8264 Bleaching-, dyeing- and cleaning-machine operators  
 8265 Fur- and leather-preparing-machine operators  
 8266 Shoemaking- and related machine operators  
 8269 Textile-, fur- and leather-products machine operators not elsewhere classified  
 827 Food and related products machine operators  
 8271 Meat- and fish-processing-machine operators  
 8272 Dairy-products machine operators  
 8273 Grain- and spice-milling-machine operators  
 8274 Baked-goods, cereal and chocolate-products machine operators  
 8275 Fruit-, vegetable- and nut-processing-machine operators  
 8276 Sugar production machine operators  
 8277 Tea-, coffee-, and cocoa-processing-machine operators  
 8278 Brewers-, wine and other beverage machine operators  
 8279 Tobacco production machine operators  
 828 Assemblers  
 8281 Mechanical-machinery assemblers  
 8282 Electrical-equipment assemblers  
 8283 Electronic-equipment assemblers  
 8284 Metal-, rubber- and plastic-products assemblers  
 8285 Wood and related products assemblers  
 8286 Paperboard, textile and related products assemblers  
 8287 Composite products assemblers  
 829 Other machine operators not elsewhere classified  
 8290 Other machine operators not elsewhere classified  
 83 Drivers and mobile plant operators  
 831 Locomotive engine drivers and related workers  
 8311 Locomotive engine drivers  
 8312 Railway brakemen, signallers and shunters  
 832 Motor vehicle drivers  
 8321 Motorcycle drivers  
 8322 Car, taxi and van drivers  
 8323 Bus and tram drivers  
 8324 Heavy truck and lorry drivers  
 833 Agricultural and other mobile plant operators  
 8331 Motorised farm and forestry plant operators  
 8332 Earth-moving and related plant operators  
 8333 Crane, hoist and related plant operators  
 8334 Lifting-truck operators  
 834 Ships' deck crews and related workers  
 8340 Ships' deck crews and related workers  
 9 Elementary occupations  
 91 Sales and services elementary occupations  
 911 Street vendors and related workers  
 9111 Street vendors  
 9113 Door-to-door and telephone salespersons  
 912 Shoe cleaning and other street services elementary occupations  
 9120 Shoe cleaning and other street services elementary occupations  
 913 Domestic and related helpers, cleaners and launderers  
 9131 Domestic helpers and cleaners  
 9132 Helpers and cleaners in offices, hotels and other establishments  
 9133 Hand-launderers and pressers  
 914 Building caretakers, window and related cleaners  
 9141 Building caretakers  
 9142 Vehicle, window and related cleaners  
 915 Messengers, porters, doorkeepers and related workers  
 9151 Messengers, package and luggage porters and deliverers  
 9152 Doorkeepers, watchpersons and related workers

9153 Vending-machine money collectors, meter readers and related workers  
916 Garbage collectors and related labourers  
9161 Garbage collectors  
9162 Sweepers and related labourers  
92 Agricultural, fishery and related labourers  
921 Agricultural, fishery and related labourers  
9211 Farm-hands and labourers  
9212 Forestry labourers  
9213 Fishery, hunting and trapping labourers  
93 Labourers in mining, construction, manufacturing and transport  
931 Mining and construction labourers  
9311 Mining and quarrying labourers  
9312 Construction and maintenance labourers: roads, dams and similar constructions  
9313 Building construction labourers  
932 Manufacturing labourers  
9320 Manufacturing labourers  
933 Transport labourers and freight handlers  
9330 Transport laborers and freight handlers

## NACE Rev. 1

### Statistical Classification of Economic Activities in the European Community (2-digit version)

Source: Eurostat.

- 01 Agriculture, hunting and related service activities
- 02 Forestry, logging and related service activities
- 05 Fishing, operation of fish hatcheries and fish farms; service activities incidental to fishing
  
- 10 Mining of coal and lignite; extraction of peat
- 11 Extraction of crude petroleum and natural gas; service activities incidental to oil and gas extraction, excluding surveying
- 12 Mining of uranium and thorium ores
- 13 Mining of metal ores  
Excludes:
  - mining of uranium and thorium ores
  - roasting of iron pyrites
  - production of aluminium oxide
- 14 Other mining and quarrying
- 15 Manufacture of food products and beverages
- 16 Manufacture of tobacco products
- 17 Manufacture of textiles
- 18 Manufacture of wearing apparel; dressing and dyeing of fur
- 19 Tanning and dressing of leather; manufacture of luggage, handbags, saddlery, harness and footwear
- 20 Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials
- 21 Manufacture of pulp, paper and paper products
- 22 Publishing, printing and reproduction of recorded media
- 23 Manufacture of coke, refined petroleum products and nuclear fuel
- 24 Manufacture of chemicals and chemical products
- 25 Manufacture of rubber and plastic products
- 26 Manufacture of other non-metallic mineral products
- 27 Manufacture of basic metals
- 28 Manufacture of fabricated metal products, except machinery and equipment
- 29 Manufacture of machinery and equipment n.e.c.
- 30 Manufacture of office machinery and computers
- 31 Manufacture of electrical machinery and apparatus n.e.c.
- 32 Manufacture of radio, television and communication equipment and apparatus
- 33 Manufacture of medical, precision and optical instruments, watches and clocks
- 34 Manufacture of motor vehicles, trailers and semi-trailers
- 35 Manufacture of other transport equipment
- 36 Manufacture of furniture; manufacturing n.e.c.
- 37 Recycling
- 40 Electricity, gas, steam and hot water supply
- 41 Collection, purification and distribution of water
- 45 Construction
- 50 Sale, maintenance and repair of motor vehicles and motorcycles; retail sale of automotive fuel  
Excludes:
  - renting of motor vehicles
  - renting of motorcycles
- 51 Wholesale trade and commission trade, except of motor vehicles and motorcycles  
Excludes:
  - wholesale of motor vehicles, caravans and motorcycles
  - wholesale of motor accessories
  - renting and leasing of goods
- 52 Retail trade, except of motor vehicles and motorcycles; repair of personal and household goods  
Excludes:

- sale of motor vehicles, motorcycles and their parts and of fuel for these articles
- trade in cereals, grains, ores, crude petroleum, industrial chemicals, iron and steel and industrial machinery and equipment
- sale of food and drinks for consumption on the premises and sale of take-away food
- renting and hiring of personal and household goods to the general public
- 55 Hotels and restaurants
- 60 Land transport; transport via pipelines
- 61 Water transport
- 62 Air transport
- Excludes:
  - crop spraying
  - overhaul of aircraft or aircraft engines
  - aerial advertising
  - aerial photography
- 63 Supporting and auxiliary transport activities; activities of travel agencies
- 64 Post and telecommunications
- 65 Financial intermediation, except insurance and pension funding
- 66 Insurance and pension funding, except compulsory social security
- 67 Activities auxiliary to financial intermediation
- 70 Real estate activities
- 71 Renting of machinery and equipment without operator and of personal and household goods
- Excludes:
  - financial leasing which is normally a special form of credit granting
- 72 Computer and related activities
- 73 Research and development
- 74 Other business activities
- 75 Public administration and defence; compulsory social security
- 80 Education
- Excludes:
  - education primarily concerned with recreation such as bridge or golf
- 85 Health and social work
- 90 Sewage and refuse disposal, sanitation and similar activities
- 91 Activities of membership organizations n.e.c.
- 92 Recreational, cultural and sporting activities
- 93 Other service activities
- 95 Private households with employed persons
- 99 Extra-territorial organizations and bodies

## ISO 3166-1

**Source:** International Organization of Standardization.

Transitionally reserved code elements used in ESS 2002/2003:

CS CZECHOSLOVAKIA  
SU USSR

### ISO 3166-1

The ISO 3166-1 list states the country names (official short names in English) in alphabetical order as given in ISO 3166-1 and the corresponding ISO 3166-1-alpha-2 code elements. The list was complete and up-to-date as of 2002-02-20.

AF	Afghanistan
AL	Albania
DZ	Algeria
AS	American Samoa
AD	Andorra
AO	Angola
AI	Anguilla
AQ	Antarctica
AG	Antigua and Barbuda
AR	Argentina
AM	Armenia
AW	Aruba
AU	Australia
AT	Austria
AZ	Azerbaijan
BS	Bahamas
BH	Bahrain
BD	Bangladesh
BB	Barbados
BY	Belarus
BE	Belgium
BZ	Belize
BJ	Benin
BM	Bermuda
BT	Bhutan
BO	Bolivia
BA	Bosnia and Herzegovina
BW	Botswana
BV	Bouvet Island
BR	Brazil
IO	British Indian Ocean Territory
BN	Brunei Darussalam
BG	Bulgaria
BF	Burkina Faso
BI	Burundi
KH	Cambodia
CM	Cameroon
CA	Canada
CV	Cape Verde
KY	Cayman Islands
CF	Central African Republic
TD	Chad
CL	Chile
CN	China
CX	Christmas Island
CC	Cocos (Keeling) Islands
CO	Colombia
KM	Comoros
CG	Congo
CD	Congo, The Democratic Republic of the

CK	Cook Islands
CR	Costa Rica
CI	Cote D'Ivoire
HR	Croatia
CU	Cuba
CY	Cyprus
CZ	Czechia
CS	Czechoslovakia
DK	Denmark
DJ	Djibouti
DM	Dominica
DO	Dominican Republic
TP	East Timor
EC	Ecuador
EG	Egypt
SV	El Salvador
GQ	Equatorial Guinea
ER	Eritrea
EE	Estonia
ET	Ethiopia
FK	Falkland Islands (Malvinas)
FO	Faroe Islands
FJ	Fiji
FI	Finland
FR	France
GF	French Guiana
PF	French Polynesia
TF	French Southern Territories
GA	Gabon
GM	Gambia
GE	Georgia
DE	Germany
GH	Ghana
GI	Gibraltar
GR	Greece
GL	Greenland
GD	Grenada
GP	Guadeloupe
GU	Guam
GT	Guatemala
GN	Guinea
GW	Guinea-Bissau
GY	Guyana
HT	Haiti
HM	Heard Island and McDonald Islands
VA	Holy See (Vatican City State)
HN	Honduras
HK	Hong Kong
HU	Hungary
IS	Iceland
IN	India
ID	Indonesia
IR	Iran, Islamic Republic of
IQ	Iraq
IE	Ireland
IL	Israel
IT	Italy
JM	Jamaica
JP	Japan
JO	Jordan
KZ	Kazakstan
KE	Kenya
KI	Kiribati
KP	Korea, Democratic People's Republic of

KR	Korea, Republic of
KW	Kuwait
KG	Kyrgyzstan
LA	Lao People's Democratic Republic
LV	Latvia
LB	Lebanon
LS	Lesotho
LR	Liberia
LY	Libyan Arab Jamahiriya
LI	Liechtenstein
LT	Lithuania
LU	Luxembourg
MO	Macau
MK	Macedonia
MG	Madagascar
MW	Malawi
MY	Malaysia
MV	Maldives
ML	Mali
MT	Malta
MH	Marshall Islands
MQ	Martinique
MR	Mauritania
MU	Mauritius
YT	Mayotte
MX	Mexico
FM	Micronesia, Federated States of
MD	Moldova, Republic of
MC	Monaco
MN	Mongolia
MS	Montserrat
MA	Morocco
MZ	Mozambique
MM	Myanmar
NA	Namibia
NR	Nauru
NP	Nepal
NL	Netherlands
AN	Netherlands Antilles
NC	New Caledonia
NZ	New Zealand
NI	Nicaragua
NE	Niger
NG	Nigeria
NU	Niue
NF	Norfolk Island
MP	Northern Mariana Islands
NO	Norway
OM	Oman
PK	Pakistan
PW	Palau
PS	Palestinian Territory, Occupied
PA	Panama
PG	Papua New Guinea
PY	Paraguay
PE	Peru
PH	Philippines
PN	Pitcairn
PL	Poland
PT	Portugal
PR	Puerto Rico
QA	Qatar
RE	Reunion
RO	Romania

RU	Russian Federation
RW	Rwanda
SH	Saint Helena
KN	Saint Kitts and Nevis
LC	Saint Lucia
PM	Saint Pierre and Miquelon
VC	Saint Vincent and The Grenadines
WS	Samoa
SM	San Marino
ST	Sao Tome and Principe
SA	Saudi Arabia
SN	Senegal
SC	Seychelles
SL	Sierra Leone
SG	Singapore
SK	Slovakia
SI	Slovenia
SB	Solomon Islands
SO	Somalia
ZA	South Africa
GS	South Georgia and The South Sandwich Islands
ES	Spain
LK	Sri Lanka
SD	Sudan
SR	Suriname
SJ	Svalbard and Jan Mayen
SZ	Swaziland
SE	Sweden
CH	Switzerland
SY	Syrian Arab Republic
TW	Taiwan, Province of China
TJ	Tajikistan
TZ	Tanzania, United Republic Of
TH	Thailand
TG	Togo
TK	Tokelau
TO	Tonga
TT	Trinidad and Tobago
TN	Tunisia
TR	Turkey
TM	Turkmenistan
TC	Turks and Caicos Islands
TV	Tuvalu
UG	Uganda
UA	Ukraine
AE	United Arab Emirates
GB	United Kingdom
US	United States
UM	United States Minor Outlying Islands
UY	Uruguay
SU	USSR
UZ	Uzbekistan
VU	Vanuatu
VE	Venezuela
VN	Viet Nam
VG	Virgin Islands, British
VI	Virgin Islands, U.S.
WF	Wallis and Futuna
EH	Western Sahara
YE	Yemen
YU	Yugoslavia
ZM	Zambia
ZW	Zimbabwe



## ISO 639-2

**Source:** Library of Congress.

AAR	Afar
ABK	Abkhazian
ACE	Achinese
ACH	Acoli
ADA	Adangme
AFA	Afro-Asiatic (Other)
AFH	Afrihili
AFR	Afrikaans
AKA	Akan
AKK	Akkadian
ALB	Albanian
ALE	Aleut
ALG	Algonquian languages
AMH	Amharic
ANG	English, Old (ca.450-1100)
APA	Apache languages
ARA	Arabic
ARC	Aramaic
ARM	Armenian
ARN	Araucanian
ARP	Arapaho
ART	Artificial (Other)
ARW	Arawak
ASM	Assamese
AST	Asturian, Bable
ATH	Athapascan languages
AUS	Australian languages
AVA	Avaric
AVE	Avestan
AWA	Awadhi
AYM	Aymara
AZE	Azerbaijani
BAD	Banda
BAI	Bamileke languages
BAK	Bashkir
BAL	Baluchi
BAM	Bambara
BAN	Balinese
BAQ	Basque
BAS	Basa
BAT	Baltic (Other)
BEJ	Beja
BEL	Belarusian
BEM	Bemba
BEN	Bengali
BER	Berber (Other)
BHO	Bhojpuri
BIH	Bihari
BIK	Bikol
BIN	Bini
BIS	Bislama
BLA	Siksika
BNT	Bantu (Other)
BOS	Bosnian
BRA	Braj
BRE	Breton
BTK	Batak (Indonesia)
BUA	Buriat
BUG	Buginese

BUL	Bulgarian
BUR	Burmese
CAD	Caddo
CAI	Central American Indian (Other)
CAR	Carib
CAT	Catalan
CAU	Caucasian (Other)
CEB	Cebuano
CEL	Celtic (Other)
CHA	Chamorro
CHB	Chibcha
CHE	Chechen
CHG	Chagatai
CHI	Chinese
CHK	Chuukese
CHM	Mari
CHN	Chinook jargon
CHO	Choctaw
CHP	Chipewyan
CHR	Cherokee
CHU	Old/Church Slavic, Slavonic, Bulgarian
CHV	Chuvash
CHY	Cheyenne
CMC	Chamic languages
COP	Coptic
COR	Cornish
COS	Corsican
CPE	Creoles and pidgins, English-based (Other)
CPF	Creoles and pidgins, French-based (Other)
CPP	Creoles and pidgins, Portuguese-based (Other)
CRE	Cree
CRP	Creoles and pidgins(Other)
CUS	Cushitic (Other)
CZE	Czech
DAK	Dakota
DAN	Danish
DAY	Dayak
DEL	Delaware
DEN	Slave (Athapascan)
DGR	Dogrib
DIN	Dinka
DIV	Divehi
DOI	Dogri
DRA	Dravidian (Other)
DUA	Duala
DUM	Dutch, Middle (ca. 1050-1350)
DUT	Dutch
DYU	Dyula
DZO	Dzongkha
EFI	Efik
EGY	Egyptian (Ancient)
EKA	Ekajuk
ELX	Elamite
ENG	English
ENM	English, Middle (1100-1500)
EPO	Esperanto
EST	Estonian
EWE	Ewe
EWO	Ewondo
FAN	Fang
FAO	Faroese
FAT	Fanti
FIJ	Fijian
FIN	Finnish

FIU	Finno-Ugrian (Other)
FON	Fon
FRE	French
FRM	French, Middle (ca.1400-1600)
FRO	French, Old (842-ca.1400)
FRY	Frisian
FUL	Fulah
FUR	Friulian
GAA	Ga
GAY	Gayo
GBA	Gbaya
GEM	Germanic (Other)
GEO	Georgian
GER	German
GEZ	Geez
GIL	Gilbertese
GLA	Gaelic Scottish
GLE	Irish
GLG	Gallegan
GLV	Manx
GMH	German, Middle High (ca.1050-1500)
GOH	German, Old High (ca.750-1050)
GON	Gondi
GOR	Gorontalo
GOT	Gothic
GRB	Grebo
GRC	Greek, Ancient (to 1453)
GRE	Greek, Modern (1453-)
GRN	Guarani
GUJ	Gujarati
GWI	Gwich'in
HAI	Haida
HAU	Hausa
HAW	Hawaiian
HEB	Hebrew
HER	Herero
HIL	Hiligaynon
HIM	Himachali
HIN	Hindi
HIT	Hittite
HMN	Hmong
HMO	Hiri Motu
HUN	Hungarian
HUP	Hupa
IBA	Iban
IBO	Igbo
ICE	Icelandic
IDO	Ido
IJO	Ijo
IKU	Inuktitut
ILE	Interlingue
ILO	Iloko
INA	Interlingua (International Auxiliary Language Association)
INC	Indic (Other)
IND	Indonesian
INE	Indo-European (Other)
IPK	Inupiaq
IRA	Iranian (Other)
IRO	Iroquoian languages
ITA	Italian
JAV	Javanese
JPN	Japanese
JPR	Judeo-Persian
JRB	Judeo-Arabic

CAA	Kara-Kalpak
KAB	Kabyle
KAC	Kachin
KAL	Kalaallisut
KAM	Kamba
KAN	Kannada
KAR	Karen
KAS	Kashmiri
KAU	Kanuri
KAW	Kawi
KAZ	Kazakh
KHA	Khasi
KHI	Khoisan (Other)
KHM	Khmer
KHO	Khotanese
KIK	Kikuyu
KIN	Kinyarwanda
KIR	Kirghiz
KMB	Kimbundu
KOK	Konkani
KOM	Komi
KON	Kongo
KOR	Korean
KOS	Kosraean
KPE	Kpelle
KRO	Kru
KRU	Kurukh
KUA	Kuanyama
KUM	Kumyk
KUR	Kurdish
KUT	Kutenai
LAD	Ladino
LAH	Lahnda
LAM	Lamba
LAO	Lao
LAT	Latin
LAV	Latvian
LEZ	Lezghian
LIN	Lingala
LIT	Lithuanian
LOL	Mongo
LOZ	Lozi
LTZ	Luxembourgish, Letzeburgesch
LUA	Luba-Lulua
LUB	Luba-Katanga
LUG	Ganda
LUI	Luiseno
LUN	Lunda
LUO	Luo (Kenya and Tanzania)
LUS	Lushai
MAC	Macedonian
MAD	Madurese
MAG	Magahi
MAH	Marshallese
MAI	Maithili
MAK	Makasar
MAL	Malayalam
MAN	Mandingo
MAO	Maori
MAP	Austronesian (Other)
MAR	Marathi
MAS	Masai
MAY	Malay
MDR	Mandar

MEN	Mende
MGA	Irish, Middle (900-1200)
MIC	Micmac
MIN	Minangkabau
MIS	Miscellaneous languages
MKH	Mon-Khmer (Other)
MLG	Malagasy
MLT	Maltese
MNC	Manchu
MNI	Manipuri
MNO	Manobo languages
MOH	Mohawk
MOL	Moldavian
MON	Mongolian
MOS	Mossi
MUL	Multiple languages
MUN	Munda languages
MUS	Creek
MWR	Marwari
MYN	Mayan languages
NAH	Nahuatl
NAI	North American Indian (Other)
NAU	Nauru
NAV	Navaho
NBL	Ndebele, South
NDE	Ndebele, North
NDO	Ndonga
NDS	Low German, Saxon
NEP	Nepali
NEW	Newari
NIA	Nias
NIC	Niger-Kordofanian (Other)
NIU	Niuean
NNO	Norwegian Nynorsk
NOB	Norwegian Bokmål
NON	Norse, Old
NOR	Norwegian
NSO	Sotho, Northern
NUB	Nubian languages
NYA	Chewa, Chichewa, Nyanja
NYM	Nyamwezi
NYN	Nyankole
NYO	Nyoro
NZI	Nzima
OCI	Provençal, Occitan (post 1500)
OJI	Ojibwa
ORI	Oriya
ORM	Oromo
OSA	Osage
OSS	Ossetian
OTA	Turkish, Ottoman (1500-1928)
OTO	Otomian languages
PAA	Papuan (Other)
PAG	Pangasinan
PAL	Pahlavi
PAM	Pampanga
PAN	Panjabi
PAP	Papiamentó
PAU	Palauan
PEO	Persian, Old (ca.600-400)
PER	Persian
PHI	Philippine (Other)
PHN	Phoenician
PLI	Pali

POL	Polish
PON	Pohnpeian
POR	Portuguese
PRA	Prakrit languages
PRO	Provençal, Old (to 1500)
PUS	Pushto
QAA	Local language, Italy
QUE	Quechua
RAJ	Rajasthani
RAP	Rapanui
RAR	Rarotongan
ROA	Romance (Other)
ROH	Raeto-Romance
ROM	Romany
RUM	Romanian
RUN	Rundi
RUS	Russian
SAD	Sandawe
SAG	Sango
SAH	Yakut
SAI	South American Indian (Other)
SAL	Salishan languages
SAM	Samaritan Aramaic
SAN	Sanskrit
SAS	Sasak
SAT	Santali
SCC	Serbian
SCO	Scots
SCR	Croatian
SEL	Selkup
SEM	Semitic (Other)
SGA	Irish, Old (to 900)
SGN	Sign languages
SHN	Shan
SID	Sidamo
SIN	Sinhalese
SIO	Siouan languages
SIT	Sino-Tibetan (Other)
SLA	Slavic (Other)
SLO	Slovak
SLV	Slovenian
SMA	Southern Sami
SME	Northern Sami
SMI	Sami languages (Other)
SMJ	Lule Sami
SMN	Inari Sami
SMO	Samoan
SMS	Skolt Sami
SNA	Shona
SND	Sindhi
SNK	Soninke
SOG	Sogdian
SOM	Somali
SON	Songhai
SOT	Sotho, Southern
SPA	Spanish, Castilian
SRD	Sardinian
SRR	Serer
SSA	Nilo-Saharan (Other)
SSW	Swati
SUK	Sukuma
SUN	Sundanese
SUS	Susu
SUX	Sumerian

SWA	Swahili
SWE	Swedish
SYR	Syriac
TAH	Tahitian
TAI	Tai (Other)
TAM	Tamil
TAT	Tatar
TEL	Telugu
TEM	Timne
TER	Tereno
TET	Tetum
TGK	Tajik
TGL	Tagalog
THA	Thai
TIB	Tibetan
TIG	Tigre
TIR	Tigrinya
TIV	Tiv
TKL	Tokelau
TLI	Tlingit
TMH	Tamashek
TOG	Tonga (Nyasa)
TON	Tonga (Tonga Islands)
TPI	Tok Pisin
TSI	Tsimshian
TSN	Tswana
TSO	Tsonga
TUK	Turkmen
TUM	Tumbuka
TUP	Tupi languages
TUR	Turkish
TUT	Altaic (Other)
TVL	Tuvalu
TWI	Twi
TYV	Tuvinian
UGA	Ugaritic
UIG	Uighur
UKR	Ukrainian
UMB	Umbundu
UND	Undetermined
URD	Urdu
UZB	Uzbek
VAI	Vai
VEN	Venda
VIE	Vietnamese
VOL	Volapük
VOT	Votic
WAK	Wakashan languages
WAL	Walamo
WAR	Waray
WAS	Washo
WEL	Welsh
WEN	Sorbian languages
WLN	Walloon
WOL	Wolof
XHO	Xhosa
YAO	Yao
YAP	Yapese
YID	Yiddish
YOR	Yoruba
YPK	Yupik languages
ZAP	Zapotec
ZEN	Zenaga
ZHA	Zhuang, Chuang

ZND	Zande
ZUL	Zulu
ZUN	Zuni



## **ESS Education Standards:**

### **Highest level of education, EDULVLA:**

(Based on ISCED-97, categories 0 - 1, and 5 - 6 are collapsed)

#### **Coding frame**

- 0** - Not possible to harmonise into 5-level ISCED
- 1** - Less than lower secondary education (ISCED 0-1)
- 2** - Lower secondary education completed (ISCED 2)
- 3** - Upper secondary education completed (ISCED 3)
- 4** - Post-secondary non-tertiary education completed (ISCED 4)
- 5** - Tertiary education completed (ISCED 5-6)
- 55** - Other

**Highest level of education, EISCED:**  
(European survey version of ISCED-97, ES-ISCED)

**Coding frame**

- 0** - Not possible to harmonise into ES-ISCED
- 1** - ES-ISCED I, less than lower secondary
- 2** - ES-ISCED II, lower secondary
- 3** - ES-ISCED IIIb, lower tier upper secondary
- 4** - ES-ISCED IIIa, upper tier upper secondary
- 5** - ES-ISCED IV, advanced vocational, sub-degree
- 6** - ES-ISCED V1, lower tertiary education, BA level
- 7** - ES-ISCED V2, higher tertiary education,  $\geq$  MA level
- 55** - Other