

Statistical Commission
Thirty-eighth session
27 February - 2 March 2007
Item 3 (i) of the provisional agenda

Background document
Available in English only

Items for discussion and decision: International economic and social classifications

International Standard Classification of Occupations 2008 (ISCO-08)

Draft structure

Prepared by the International Labour Office (ILO)

This document is presented by the International Labour Office for the information of the Commission with reference to Item 3 (i) of the provisional agenda. It provides supplementary information with respect to the Report of the International Labour Office on Updating the International Standard Classification of Occupations (ISCO).

It presents the draft structure of the proposed ISCO-08 as at 2 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.

The first column indicates the proposed major group (MG) code, the second shows the sub-major group code (SmG), the third shows the minor group code (mG) and the fourth column shows the unit group code (UG).

MG	SmG	mG	UG	Group title
1				Managers, senior officials and legislators
	11			Chief executives, senior officials and legislators
		111		Legislators and senior officials
			1111	Legislators
			1112	Senior government officials
			1113	Traditional chiefs and heads of village
			1114	Senior officials of special-interest organisations
		112		Managing directors and chief executives
			1120	Managing directors and chief executives
	12			Administrative and commercial managers
		121		Business services and administration managers
			1211	Corporate services managers
			1212	Finance managers
			1213	Human resource managers
			1214	Policy and administration managers
		122		Sales, marketing and business development managers
			1221	Sales and marketing managers
			1222	Advertising and public relations managers
			1223	Research and development managers
	13			Production and specialised services managers

- 132 Manufacturing, mining, construction, and distribution managers**
 - 1321 Manufacturing managers
 - 1322 Mining managers
 - 1323 Construction managers
 - 1324 Supply and distribution managers
- 133 Information and communications technology service managers**
 - 1330 Information and communications technology service managers
- 134 Education, health and welfare service managers**
 - 1341 Child care service managers
 - 1342 Health service managers
 - 1343 Aged care service managers
 - 1344 Social welfare managers
 - 1345 Education managers
- 135 Other professional services managers**
 - 1350 Other professional services managers
- 14 Hospitality, shop and related services managers**
 - 141 Hotel and restaurant managers**
 - 1411 Hotel managers
 - 1412 Restaurant managers
 - 142 Shop managers**
 - 1420 Shop managers
 - 143 Other services managers**
 - 1431 Sports, recreation and cultural centre managers
 - 1439 Services managers not elsewhere classified

2

21

Professionals

Science and engineering professionals

211 Physicists, chemists and related professionals

- 2111 Physicists and astronomers
- 2112 Meteorologists
- 2113 Chemists
- 2114 Geologists and geophysicists

212 Mathematicians, actuaries and statisticians

- 2120 Mathematicians, actuaries and statisticians

213 Life science professionals

- 2131 Biologists, botanists, zoologists and related professionals
- 2132 Pharmacologists, pathologists and related professionals
- 2133 Agronomists and farming and forestry advisers
- 2134 Environmental protection professionals

214 Engineering professionals

- 2141 Industrial and production engineers
- 2142 Civil engineers
- 2143 Electrical engineers
- 2144 Electronics engineers
- 2145 Mechanical engineers
- 2146 Chemical engineers
- 2147 Mining engineers, metallurgists and related professionals
- 2149 Engineers professionals not elsewhere classified

215 Architects, planners, surveyors and designers

- 2151 Building architects
- 2152 Landscape architects
- 2153 Product and garment designers
- 2154 Town and traffic planners
- 2155 Cartographers and surveyors
- 2156 Graphic and multimedia designers

- 22** **Health professionals**
- 221** **Medical doctors**
- 2211 Generalist medical practitioners
- 2212 Specialist medical practitioners
- 222** **Nursing and midwifery professionals**
- 2221 Nursing professionals
- 2222 Midwifery professionals
- 223** **Paramedical professionals**
- 2231 Paramedical practitioners
- 2232 Emergency paramedics
- 224** **Other health professionals**
- 2241 Dentists
- 2242 Pharmacists
- 2243 Environmental and occupational health and hygiene professionals
- 2244 Physiotherapists
- 2245 Dieticians and nutritionists
- 2246 Audiologists and speech therapists
- 2247 Veterinarians
- 2249 Health professionals not elsewhere classified
- 23** **Teaching professionals**
- 231** **University and higher education teachers**
- 2310 University and higher education teachers
- 232** **Vocational education teachers**
- 2320 Vocational education teachers
- 233** **Secondary education teachers**
- 2330 Secondary education teachers
- 234** **Primary school and early childhood teachers**
- 2341 Primary school teachers
- 2342 Early childhood educators
- 235** **Other teaching professionals**
- 2351 Education methods specialists

- 2352 Special needs teachers
- 2353 Extra-systemic language teachers
- 2354 Extra-systemic music teachers
- 2355 Information technology trainers
- 2359 Other teaching professionals not elsewhere classified
- 24 Business and administration professionals**
- 241 Finance professionals**
- 2411 Accountants
- 2412 Financial and investment advisers
- 2413 Financial analysts
- 242 Administration professionals**
- 2421 Management and organisation analysts
- 2422 Policy administration professionals
- 2423 Personnel and careers professionals
- 2424 Training and staff development professionals
- 243 Sales, marketing and public relations professionals**
- 2431 Advertising and marketing professionals
- 2432 Public relations professionals
- 2433 Technical and medical sales professionals (excluding ICT)
- 2434 Information and communications technology (ICT) sales professionals
- 25 Information and communications technology (ICT) professionals**
- 251 Software and applications developers and analysts**
- 2511 Systems analysts
- 2512 Software developers
- 2513 Web and multimedia developers
- 2514 Applications programmers
- 2519 Software and multimedia developers and analysts not elsewhere classified
- 252 Database specialists and systems administrators**
- 2521 Database designers and administrators
- 2522 Systems administrators

- 253** **ICT network and hardware professionals**
 - 2531 Computer network professionals
 - 2532 Telecommunications engineering professionals
 - 2539 ICT network and hardware professionals not elsewhere classified
- 26** **Legal, social and cultural professionals**
 - 261** **Legal professionals**
 - 2611 Lawyers
 - 2612 Judges
 - 2619 Legal professionals not elsewhere classified
 - 262** **Librarians, archivists and curators**
 - 2621 Archivists and curators
 - 2622 Librarians and similar information professionals
 - 263** **Social, religious and related professionals**
 - 2631 Economists
 - 2632 Sociologists, anthropologists and related professionals
 - 2633 Philosophers, historians and political scientists
 - 2634 Philologists, translators and interpreters
 - 2635 Psychologists
 - 2636 Social work and counselling professionals
 - 2637 Religious professionals
 - 264** **Creative or performing artists, and writers**
 - 2641 Authors and related writers
 - 2642 Visual artists
 - 2643 Musicians, singers and composers
 - 2644 Dancers and choreographers
 - 2645 Film, stage and related actors and directors
 - 2646 Journalists
 - 2647 Announcers on radio, television and other media
 - 2649 Other creative or performing artists

3

31

Technicians and associate professionals Science and engineering associate professionals

311

Physical and engineering science technicians

- 3111 Chemical and physical science technicians
- 3112 Civil engineering technicians
- 3113 Electrical engineering technicians
- 3114 Electronics engineering technicians
- 3115 Mechanical engineering technicians
- 3116 Chemical engineering technicians
- 3117 Mining and metallurgical technicians
- 3118 Draughtspersons
- 3119 Physical and engineering science technicians not elsewhere classified

312

Engineering production supervisors

- 3121 Mining supervisors
- 3122 Manufacturing supervisors
- 3123 Construction supervisors

313

Process control technicians

- 3131 Power production plant operators
- 3132 Steam engine and boiler operators
- 3133 Incinerator and water treatment plant operators
- 3134 Chemical processing plant controllers
- 3135 Petroleum and natural gas refining plant operators
- 3136 Pulp and papermaking plant operators
- 3137 Metal production process controllers
- 3138 Automated assembly line controllers

314

Life science technicians and related associate professionals

- 3141 Life science technicians (except medical)
- 3142 Medical laboratory technicians
- 3143 Veterinary assistants
- 3144 Agricultural technicians
- 3145 Fishery technicians

- 3146 Forestry technicians
- 315 Ship and aircraft controllers and technicians**
- 3151 Ships' engineers
- 3152 Ships' deck officers and pilots
- 3153 Aircraft pilots and related associate professionals
- 3154 Air traffic controllers
- 3155 Air traffic safety technicians
- 32 Health associate professionals**
- 321 Medical, pharmaceutical and veterinary technicians**
- 3211 Doctor's assistants
- 3212 Medical and pathology laboratory technicians
- 3213 Pharmaceutical technicians and assistants
- 3214 Veterinary technicians and assistants
- 322 Nursing and midwifery associate professionals**
- 3221 Nursing associate professionals
- 3222 Midwifery associate professionals
- 323 Other health associate professionals**
- 3231 Dental assistants and therapists
- 3232 Medical records and health information technicians
- 3233 Community health workers
- 3234 Optometrists and opticians
- 3235 Physiotherapy technicians and assistants
- 3236 Medical equipment technicians
- 3237 Environmental and occupational health inspectors and associates
- 3238 Traditional and complementary medicine practitioners
- 3239 Health associate professionals not elsewhere classified
- 33 Business and administration associate professionals**
- 331 Financial and mathematical associate professionals**
- 3311 Securities and finance dealers and brokers
- 3312 Credit and loans officers
- 3313 Accounting associate professionals
- 3314 Statistical, mathematical and actuarial associate professionals

- 3315 Valuers and loss assessors
- 332 Sales and purchasing agents and brokers**
 - 3321 Insurance representatives
 - 3322 Commercial sales representatives
 - 3323 Buyers
 - 3324 Trade brokers
- 333 Business services agents**
 - 3331 Clearing and forwarding agents
 - 3332 Conference and event planners
 - 3333 Employment agents and contractors
 - 3334 Real estate agents and property managers
 - 3339 Business services agents not elsewhere classified
- 334 Administrative and specialised secretaries**
 - 3341 Office supervisors
 - 3342 Legal secretaries
 - 3343 Administrative and executive secretaries
 - 3344 Medical secretaries
 - 3349 Administrative and specialised secretaries not elsewhere classified
- 335 Customs, tax and related government associate professionals**
 - 3351 Customs and border inspectors
 - 3352 Government tax and excise officials
 - 3353 Government social benefits officials
 - 3354 Government licensing officials
 - 3359 Customs, tax and related government associate professionals not elsewhere classified
- 34 Teaching, policing, legal, social and related associate professionals**
 - 341 Policing and legal associate professionals**
 - 3411 Police inspectors and detectives
 - 3422 Legal and related associate professionals
 - 342 Social and religious associate professionals**
 - 3422 Social work associate professionals

		3423	Religious associate professionals
	343		Sports and fitness workers
		3431	Athletes and sports players
		3432	Sports coaches, instructors and officials
		3433	Fitness and recreation instructors and program leaders
	344		Artistic and cultural associate professionals
		3441	Photographers
		3442	Interior designers and decorators
		3443	Gallery, library and museum technicians
		3449	Artistic associate professionals not elsewhere classified
35			Information and communications technicians
	351		ICT operations and user support technicians
		3511	ICT operations technicians
		3512	ICT user support technicians
		3513	Systems testing technicians
	352		Web technicians
		3520	Web technicians
	353		Communications technicians
		3531	Broadcasting and sound and vision recording technicians
		3532	Telecommunications engineering technicians
4			Clerks
	41		Office clerks
	411		General office clerks
		4110	General office clerks
	412		Numerical clerks
		4121	Accounting and bookkeeping clerks
		4122	Statistical, finance and insurance clerks
		4123	Payroll 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
- 415** **Keyboard operators**
 - 4151 Typists and word processing operators
 - 4152 Data entry clerks
- 416** **Secretaries (general)**
 - 4160 Secretaries (general)
- 419** **Other office clerks**
 - 4191 Personnel clerks
 - 4199 Other office clerks not elsewhere classified
- 42** **Customer services clerks**
 - 421** **Cashiers, tellers and related clerks**
 - 4211 Tellers and other counter clerks
 - 4212 Bookmakers, croupiers and related gambling workers
 - 4213 Pawnbrokers and money-lenders
 - 4214 Debt-collectors and related workers
 - 422** **Client information workers**
 - 4221 Travel agency and related clerks
 - 4222 Contact centre information clerks
 - 4223 Telephone switchboard operators
 - 4224 Hotel front desk receptionists
 - 4225 Inquiry clerks
 - 4226 Receptionists (general)
 - 4227 Survey and market research interviewers
 - 4229 Other client information workers

5

Service and 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 supervisors

5121 Cleaning and housekeeping supervisors

5122 Domestic housekeepers

5123 Housekeepers in hotels, offices and other establishments

513

Personal care and related workers

5131 Child-carers

5132 Teachers' Aides

5133 Health care assistants

5134 Home-based personal care workers

5135 Ambulance officers

5139 Personal care and related workers not elsewhere classified

514

Hairdressers, beauticians and related workers

5141 Hairdressers

5142 Beauticians and related workers

515

Other personal services workers

5151 Astrologers, fortune-tellers and related workers

5152 Companions and valets

5153 Undertakers and embalmers

5154 Pet groomers and animal care workers

5159 Other personal services workers not elsewhere classified

516

Protective services workers

5161 Fire-fighters

5162 Police officers

5163 Prison guards

5164 Security guards

	5169	Protective services workers not elsewhere classified
517		Chefs and cooks
	5171	Chefs
	5172	Cooks
518		Waiters, waitresses and bartenders
	5181	Waiters and waitresses
	5182	Bartenders
52		Sales workers
521		Street and market sales persons
	5211	Stall and market salespersons
	5212	Street food salespersons
522		Shop salespersons
	5221	Shop supervisors
	5222	Shop sales assistants
523		Cashiers and ticket clerks
	5230	Cashiers and ticket clerks
524		Other sales workers
	5241	Fashion and other models
	5242	Sales demonstrators
	5243	Door to door salespersons
	5244	Contact centre salespersons
	5245	Service station attendants
	5246	Food service counter attendants
	5249	Other sales workers nec

6

Skilled agricultural, fishery, and forestry workers

61

Market-oriented skilled agricultural and fishery, and forestry workers

611

Market gardeners and crop growers

- 6111 Crop farm supervisors and managers
- 6112 Field crop and vegetable growers
- 6113 Tree and shrub crop growers
- 6114 Gardeners, horticultural and nursery growers
- 6115 Mixed crop growers

612

Market oriented animal producers and related workers

- 6121 Livestock and dairy farm supervisors and managers
- 6122 Livestock and dairy producers
- 6123 Poultry producers
- 6124 Apiarists and sericulturists
- 6129 Market-oriented animal producers and related workers not elsewhere classified

613

Market-oriented mixed crop and animal farm workers

- 6131 Mixed crop and livestock farm supervisors and managers
- 6132 Mixed crop and animal farm producers

614

Forestry and related workers

- 6141 Forestry and related workers

615

Fishery workers, hunters and trappers

- 6151 Aquaculture workers
- 6152 Inland and coastal waters fishery workers
- 6153 Deep-sea fishery workers
- 6154 Hunters and trappers

62

Subsistence farmers, fishers, hunters and gatherers

621

Subsistence farmers, fishers, hunters and gatherers

- 6210 Subsistence farmers, fishers, hunters and gatherers

7

Craft and related trades workers

71

Extraction and building trades workers

711 Building frame and related trades workers

- 7111 House builders
- 7112 Stonemasons, stone cutters and carvers
- 7113 Concrete placers, concrete finishers and related workers
- 7114 Carpenters and joiners
- 7119 Building frame and related trades workers not elsewhere classified

712 Building finishers and related trades workers

- 7121 Roofers
- 7122 Floor layers and tile setters
- 7123 Plasterers
- 7124 Insulation workers
- 7125 Glaziers
- 7126 Plumbers and pipe fitters
- 7127 Air conditioning and refrigeration mechanics

713 Painters, building structure cleaners and related trades workers

- 7131 Painters and related workers
- 7132 Spray painters and varnishers
- 7133 Building structure cleaners
- 7134 Fumigators and other pests or weed controllers

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

722 Blacksmiths, toolmakers and related trades workers

- 7221 Blacksmiths, hammersmiths and forging press workers

- 7222 Toolmakers and related workers
- 7223 Metal working machine tool setters and operators
- 7224 Metal wheel grinders, polishers and tool sharpeners
- 723 Machinery mechanics and repairers**
 - 7231 Motor vehicle mechanics and repairers
 - 7232 Aircraft engine repairer and mechanics
 - 7233 Agricultural or industrial machinery mechanics and repairers
 - 7234 Bicycle and related repairers
- 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
 - 7314 Medical and dental prosthetic and related technicians
 - 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 and ceramics engravers, etchers and decorators
 - 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 Printing and related trades workers**
 - 7341 Pre-press technicians
 - 7342 Printers
 - 7343 Print finishing and binding workers
- 74 Electrotechnology trades workers**
 - 741 Electrical equipment installers and repairers**
 - 7411 Building and related electricians
 - 7412 Electrical mechanics and fitters
 - 7413 Electrical line installers and repairers
 - 742 Electronics and telecommunications installers and repairers**

- 7421 Electronics mechanics and servicers
- 7422 Information and communications technology installers and servicers

75

Food processing, wood working, textile and other craft and related trades workers

751 Food processing and related trades workers

- 7511 Butchers, fishmongers and related food preparers
- 7512 Bakers, pastry-cooks and confectionery makers
- 7513 Dairy-products makers
- 7514 Fruit, vegetable and related preservers
- 7515 Food and beverage tasters and graders
- 7516 Tobacco preparers and tobacco products makers

752 Wood treaters, cabinet-makers and related trades workers

- 7521 Wood treaters
- 7522 Cabinet-makers and related workers
- 7523 Woodworking-machine tool setters and operators

753 Textile, garment and related trades workers

- 7531 Tailors, dressmakers, furriers and hatters
- 7532 Textile, leather and related pattern-makers and cutters
- 7533 Sewers, embroiderers and related workers
- 7534 Upholsterers and related workers
- 7535 Pelt dressers, tanners and fellmongers
- 7536 Shoemakers and related workers

754 Other craft and related workers

- 7541 Underwater divers
- 7542 Shotfirers and blasters
- 7543 Product graders and testers
- 7549 Craft and related workers not elsewhere classified

8

Plant and machine operators and assemblers

81

Stationary plant and machine operators

811

Mining and mineral processing plant operators

- 8111 Miners and Quarriers
- 8112 Mineral ore and stone processing plant operators
- 8113 Well drillers and borers and related workers
- 8114 Cement, stone and other mineral products machine operators

812

Metal processing and finishing plant operators

- 8121 Metal processing plant operators
- 8122 Metal finishing, plating and coating machine operators

813

Chemical and photographic products plant and machine operators

- 8131 Chemical products plant and machine operators
- 8132 Photographic products machine operators

814

Rubber, plastic and paper products machine operators

- 8141 Rubber products machine operators
- 8142 Plastic products machine operators
- 8143 Paper products machine operators

815

Textile, fur and leather products machine operators

- 8151 Fibre preparing, spinning and winding machine operators
- 8152 Weaving and knitting machine operators
- 8153 Sewing machine operators
- 8154 Bleaching, dyeing and fabric cleaning machine operators
- 8155 Fur and leather preparing machine operators
- 8156 Shoemaking and related machine operators
- 8157 Laundry machine operators
- 8159 Textile, fur and leather-products machine operators not elsewhere classified

816

Food and related products machine operators

- 8160 Food and related products machine operators

817

Other stationary plant and machine operators

- 8171 Glass, ceramics and related plant operators
- 8172 Wood processing plant operators

- 8173 Packing, bottling and labelling machine operators
- 8179 Stationary plant and machine operators not elsewhere classified

82

Assemblers

821

Assemblers

- 8211 Mechanical machinery assemblers
- 8212 Electrical equipment assemblers
- 8213 Electronic equipment assemblers
- 8214 Metal, rubber and plastic products assemblers
- 8215 Wood and related products assemblers
- 8216 Paperboard, textile and related products assemblers
- 8219 Assemblers 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

Car, van and motor-cycle drivers

- 8321 Motor-cycle drivers
- 8322 Car, taxi and van drivers

833

Heavy truck and bus drivers

- 8331 Bus and tram drivers
- 8332 Heavy truck and lorry drivers

834

Mobile-plant operators

- 8341 Motorised farm and forestry plant operators
- 8342 Earth-moving- and related plant operators
- 8343 Crane, hoist and related plant operators
- 8344 Lifting truck operators

835

Ships' deck crews and related workers

- 8350 Ships' deck crews and related workers

9

Elementary occupations

91

Cleaners and helpers

911 Domestic, hotel and office cleaners and helpers

- 9111 Domestic cleaners and helpers
- 9112 Cleaners and helpers in offices, hotels and other establishments

912 Vehicle, window, laundry and other hand cleaning workers

- 9121 Hand launderers and pressers
- 9122 Vehicle cleaners
- 9123 Window cleaners
- 9129 Other cleaning workers

92

Agricultural, fishery and forestry labourers

921 Agricultural, fishery and forestry labourers

- 9211 Crop farm labourers
- 9212 Livestock farm labourers
- 9213 Mixed crop and livestock farm labourers
- 9214 Garden and horticultural labourers
- 9215 Forestry labourers
- 9216 Fishery and aquaculture labourers
- 9217 Water and firewood collectors

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

- 9321 Hand packers
- 9329 Manufacturing labourers not elsewhere classified

933 Transport and storage labourers

- 9331 Hand or pedal vehicle drivers
- 9332 Drivers of animal-drawn vehicles and machinery
- 9333 Freight handlers

	9334	Shelf fillers
94		Food preparation assistants
	941	Food preparation assistants
	9411	Fast-food preparers
	9412	Kitchen helpers
95		Street and related sales and service workers
	951	Street and related service workers
	9510	Street and related service workers
	952	Street vendors
	9520	Street vendors
96		Refuse workers and other elementary service workers
	961	Refuse workers
	9631	Garbage collectors
	9632	Refuse sorters
	9633	Sweepers and related labourers
	962	Other elementary service workers
	9621	Messengers, package and luggage porters and deliverers
	9622	Odd job persons
	9623	Vending-machine money collectors, meter readers and related workers
	9629	Other elementary service workers not elsewhere classified
0		Armed Forces occupations
	01	Commissioned armed forces officers
	011	Commissioned armed forces officers
	0110	Commissioned armed forces officers
	02	Non-commissioned armed forces officers
	021	Non-commissioned armed forces officers
	0210	Non-commissioned armed forces officers
	03	Armed forces occupations, other ranks
	031	Armed forces occupations, other ranks
	0310	Armed forces occupations, other ranks