

Harry B.G. Ganzeboom

INTERNATIONAL STANDARD CLASSIFICATION OF OCCUPATIONS

ISCO-08

With ISEI-08 scores

<http://www.ilo.org/public/english/bureau/stat/isco/index.htm>

<http://www.harryganzeboom.nl/isco08/index.htm>

Appendix to: Ganzeboom, Harry B.G. "[A New International Socio-Economic Index \[ISEI\] of Occupational Status for the International Standard Classification of Occupation 2008 \[ISCO-08\] Constructed with Data from the ISSP 2002-2007; with an Analysis of Quality of Occupational Measurement in ISSP.](#)" Paper presented at Annual Conference of International Social Survey Programme, Lisbon, May 1 2010

Last revised: July 27 2010

Major	sub-major	minor	unit	TITLE	ISEI-08	ISSP-N
0000				Armed forces occupations	53	1207
	0100			Commissioned armed forces officers	65	79
		0110		Commissioned armed forces officers	65	79
	0200			Non-commissioned armed forces officers	53	1090
		0210		Non-commissioned armed forces officers	53	1090
	0300			Armed forces occupations, other ranks	30	38
		0310		Armed forces occupations, other ranks	30	38
1000				Managers	62	14458
	1100			Chief executives, senior officials and legislators	69	2361
		1110		Legislators and senior officials	68	815
			1111	Legislators	66	126
			1112	Senior government officials	70	466
			1113	Traditional chiefs and heads of village	57	91
			1114	Senior officials of special-interest organizations	68	101
		1120		Managing directors and chief executives	70	1546
	1200			Administrative and commercial managers	68	3281
		1210		Business services and administration managers	68	1503
			1211	Finance managers	68	675
			1212	Human resource managers	68	332
			1213	Policy and planning managers	68	
			1219	Business services and administration managers not elsewhere classified	63	70
		1220		Sales, marketing and development managers	68	976
			1221	Sales and marketing managers	66	669
			1222	Advertising and public relations managers	67	158
			1223	Research and development managers	79	149

	1300		Production and specialised services managers	60	5031
		1310	Production managers in agriculture, forestry and fisheries	49	isei68
			1311 Agricultural and forestry production managers	60	
			1312 Aquaculture and fisheries production managers	60	
		1320	Manufacturing, mining, construction, and distribution managers	60	1975
			1321 Manufacturing managers	63	808
			1322 Mining managers	60	
			1323 Construction managers	59	598
			1324 Supply, distribution and related managers	57	569
		1330	Information and communications technology service managers	77	148
		1340	Professional services managers	59	2183
			1341 Child care services managers	59	
			1342 Health services managers	59	
			1343 Aged care services managers	59	
			1344 Social welfare managers	59	
			1345 Education managers	59	
			1346 Financial and insurance services branch managers	59	
			1349 Professional services managers not elsewhere classified	59	2183
	1400		Hospitality, retail and other services managers	53	3477
		1410	Hotel and restaurant managers	43	716
			1411 Hotel managers	43	
			1412 Restaurant managers	47	2007
		1420	Retail and wholesale trade managers	56	253
		1430	Other services managers	59	1008
			1431 Sports, recreation and cultural centre managers	59	
			1439 Services managers not elsewhere classified	59	1008
2000			Professionals	65	32064
	2100		Science and engineering professionals	69	4871
		2110	Physical and earth science professionals	77	344
			2111 Physicists and astronomers	79	29
			2112 Meteorologists	70	6
			2113 Chemists	76	171
			2114 Geologists and geophysicists	80	69
		2120	Mathematicians, actuaries and statisticians	73	92
		2130	Life science professionals	67	363
			2131 Biologists, botanists, zoologists and related professionals	71	129
			2132 Farming, forestry and fisheries advisers	64	169
			2133 Environmental protection professionals	67	
		2140	Engineering professionals (excluding electrotechnology)	72	2389
			2141 Industrial and production engineers	65	isei68
			2142 Civil engineers	76	483
			2143 Environmental engineers	72	
			2144 Mechanical engineers	69	367
			2145 Chemical engineers	71	118
			2146 Mining engineers, metallurgists and related professionals	74	73
			2149 Engineering professionals not elsewhere classified	70	551
		2150	Electrotechnology engineers	74	462
			2151 Electrical engineers	74	256

		2152	Electronics engineers	75	206
		2153	Telecommunications engineers	74	
	2160		Architects, planners, surveyors and designers	60	983
		2161	Building architects	71	349
		2162	Landscape architects	60	
		2163	Product and garment designers	51	540
		2164	Town and traffic planners	60	
		2165	Cartographers and surveyors	67	94
		2166	Graphic and multimedia designers	60	
	2200		Health professionals	66	4030
		2210	Medical doctors	89	850
		2211	Generalist medical practitioners	89	
		2212	Specialist medical practitioners	89	
		2220	Nursing and midwifery professionals	54	1534
		2221	Nursing professionals	42	isei68
		2222	Midwifery professionals	52	isei68
		2230	Traditional and complementary medicine professionals	49	isei88
		2240	Paramedical practitioners	51	isei88
		2250	Veterinarians	71	120
		2260	Other health professionals	66	1135
		2261	Dentists	86	223
		2262	Pharmacists	69	283
		2263	Environmental and occupational health and hygiene professionals	66	
		2264	Physiotherapists	55	388
		2265	Dieticians and nutritionists	53	73
		2266	Audiologists and speech therapists	51	isei88
		2267	Optometrists and ophthalmic opticians	58	isei68
		2269	Health professionals not elsewhere classified	64	168
	2300		Teaching professionals	63	12622
		2310	University and higher education teachers	76	1142
		2320	Vocational education teachers	65	98
		2330	Secondary education teachers	71	3281
		2340	Primary school and early childhood teachers	57	5194
		2341	Primary school teachers	61	3429
		2342	Early childhood educators	47	1339
		2350	Other teaching professionals	56	2308
		2351	Education methods specialists	67	189
		2352	Special needs teachers	58	516
		2353	Other language teachers	54	
		2354	Other music teachers	54	
		2355	Other arts teachers	54	
		2356	Information technology trainers	54	
		2359	Teaching professionals not elsewhere classified	54	1459
	2400		Business and administration professionals	64	3491
		2410	Finance professionals	66	1364
		2411	Accountants	66	1364
		2412	Financial and investment advisers	66	
		2413	Financial analysts	66	
		2420	Administration professionals	59	574

			2421	Management and organization analysts	59	
			2422	Policy administration professionals	62	199
			2423	Personnel and careers professionals	58	375
			2424	Training and staff development professionals	59	
		2430		Sales, marketing and public relations professionals	64	
			2431	Advertising and marketing professionals	64	
			2432	Public relations professionals	64	
			2433	Technical and medical sales professionals (excluding ICT)	64	
			2434	Information and communications technology sales professionals	64	
	2500			Information and communications technology professionals	69	1662
		2510		Software and applications developers and analysts	70	918
			2511	Systems analysts	70	560
			2512	Software developers	70	
			2513	Web and multimedia developers	70	
			2514	Applications programmers	70	
			2519	Software and applications developers and analysts not elsewhere classified	70	
		2520		Database and network professionals	68	185
			2521	Database designers and administrators	68	
			2522	Systems administrators	68	
			2523	Computer network professionals	68	
			2529	Database and network professionals not elsewhere classified	68	185
	2600			Legal, social and cultural professionals	66	4730
		2610		Legal professionals	81	922
			2611	Lawyers	85	491
			2612	Judges	88	46
			2619	Legal professionals not elsewhere classified	72	246
		2620		Librarians, archivists and curators	55	394
			2621	Archivists and curators	55	67
			2622	Librarians and related information professionals	55	246
		2630		Social and religious professionals	65	1848
			2631	Economists	72	500
			2632	Sociologists, anthropologists and related professionals	75	70
			2633	Philosophers, historians and political scientists	76	35
			2634	Psychologists	74	240
			2635	Social work and counselling professionals	59	547
			2636	Religious professionals	53	255
		2640		Authors, journalists and linguists	65	674
			2641	Authors and related writers	65	
			2642	Journalists	65	
			2643	Translators, interpreters and other linguists	68	138
		2650		Creative and performing artists	53	661
			2651	Visual artists	51	208
			2652	Musicians, singers and composers	50	214
			2653	Dancers and choreographers	53	35
			2654	Film, stage and related directors and producers	63	134
			2655	Actors	64	isei68
			2656	Announcers on radio, television and other media	47	49

			2659	Creative and performing artists not elsewhere classified	41	21
3000				Technicians and associate professionals	51	25797
	3100			Science and engineering associate professionals	51	5510
		3110		Physical and engineering science technicians	52	3953
			3111	Chemical and physical science technicians	49	239
			3112	Civil engineering technicians	55	495
			3113	Electrical engineering technicians	51	351
			3114	Electronics engineering technicians	53	484
			3115	Mechanical engineering technicians	52	446
			3116	Chemical engineering technicians	52	152
			3117	Mining and metallurgical technicians	59	83
			3118	Draughtspersons	49	273
			3119	Physical and engineering science technicians not elsewhere classified	50	740
		3120		Mining, manufacturing and construction supervisors	49	336
			3121	Mining supervisors	49	
			3122	Manufacturing supervisors	49	
			3123	Construction supervisors	49	
		3130		Process control technicians	37	373
			3131	Power production plant operators	41	105
			3132	Incinerator and water treatment plant operators	38	79
			3133	Chemical processing plant controllers	37	
			3134	Petroleum and natural gas refining plant operators	37	
			3135	Metal production process controllers	37	
			3139	Process control technicians not elsewhere classified	35	189
		3140		Life science technicians and related associate professionals	47	249
			3141	Life science technicians (excluding medical)	47	
			3142	Agricultural technicians	48	124
			3143	Forestry technicians	47	
		3150		Ship and aircraft controllers and technicians	59	354
			3151	Ships' engineers	55	50
			3152	Ships' deck officers and pilots	47	116
			3153	Aircraft pilots and related associate professionals	74	73
			3154	Air traffic controllers	67	29
			3155	Air traffic safety electronics technicians	66	24
	3200			Health associate professionals	46	4848
		3210		Medical and pharmaceutical technicians	45	557
			3211	Medical imaging and therapeutic equipment technicians	51	112
			3212	Medical and pathology laboratory technicians	45	287
			3213	Pharmaceutical technicians and assistants	40	158
			3214	Medical and dental prosthetic technicians	45	
		3220		Nursing and midwifery associate professionals	48	2394
			3221	Nursing associate professionals	48	1775
			3222	Midwifery associate professionals	42	80
		3230		Traditional and complementary medicine associate professionals	42	27
		3240		Veterinary technicians and assistants	30	37
		3250		Other health associate professionals	45	1767
			3251	Dental assistants and therapists	43	167
			3252	Medical records and health information technicians	45	

			3253	Community health workers	45	
			3254	Dispensing opticians	48	85
			3255	Physiotherapy technicians and assistants	40	448
			3256	Medical assistants	46	549
			3257	Environmental and occupational health inspectors and associates	50	290
			3258	Ambulance workers	45	
			3259	Health associate professionals not elsewhere classified	45	
	3300			Business and administration associate professionals	53	11919
		3310		Financial and mathematical associate professionals	51	3521
			3311	Securities and finance dealers and brokers	67	258
			3312	Credit and loans officers	51	
			3313	Accounting associate professionals	47	1483
			3314	Statistical, mathematical and related associate professionals	63	61
			3315	Valuers and loss assessors	52	165
		3320		Sales and purchasing agents and brokers	55	3003
			3321	Insurance representatives	57	559
			3322	Commercial sales representatives	55	1788
			3323	Buyers	52	399
			3324	Trade brokers	54	132
		3330		Business services agents	56	909
			3331	Clearing and forwarding agents	54	155
			3332	Conference and event planners	56	
			3333	Employment agents and contractors	55	110
			3334	Real estate agents and property managers	57	399
			3339	Business services agents not elsewhere classified	57	245
		3340		Administrative and specialised secretaries	49	2785
			3341	Office supervisors	57	64
			3342	Legal secretaries	47	969
			3343	Administrative and executive secretaries	49	
			3344	Medical secretaries	49	
		3350		Regulatory government associate professionals	55	1361
			3351	Customs and border inspectors	63	99
			3352	Government tax and excise officials	61	102
			3353	Government social benefits officials	50	87
			3354	Government licensing officials	52	59
			3355	Police inspectors and detectives	54	329
			3359	Regulatory government associate professionals not elsewhere classified	55	339
	3400			Legal, social, cultural and related associate professionals	45	2199
		3410		Legal, social and religious associate professionals	45	1423
			3411	Legal and related associate professionals	52	516
			3412	Social work associate professionals	42	816
			3413	Religious associate professionals	31	91
		3420		Sports and fitness workers	46	229
			3421	Athletes and sports players	46	
			3422	Sports coaches, instructors and officials	46	
			3423	Fitness and recreation instructors and program leaders	46	
		3430		Artistic, cultural and culinary associate professionals	47	547
			3431	Photographers	50	169

			3432	Interior designers and decorators	47	
			3433	Gallery, museum and library technicians	47	
			3434	Chefs	47	
			3435	Other artistic and cultural associate professionals	45	378
	3500			Information and communications technicians	57	944
		3510		Information and communications technology operations and user support technicians	58	789
			3511	Information and communications technology operations technicians	56	199
			3512	Information and communications technology user support technicians	60	325
			3513	Computer network and systems technicians	50	155
			3514	Web technicians	50	94
		3520		Telecommunications and broadcasting technicians	46	isei68
			3521	Broadcasting and audio-visual technicians	46	isei68
			3522	Telecommunications engineering technicians	46	
4000				Clerical support workers	41	21591
	4100			General and keyboard clerks	41	5787
		4110		General office clerks	41	
		4120		Secretaries (general)	42	3566
		4130		Keyboard operators	39	977
			4131	Typists and word processing operators	42	582
			4132	Data entry clerks	36	395
	4200			Customer services clerks	40	3931
		4210		Tellers, money collectors and related clerks	44	1603
			4211	Bank tellers and related clerks	44	694
			4212	Bookmakers, croupiers and related gaming workers	46	81
			4213	Pawnbrokers and money-lenders	70	20
			4214	Debt-collectors and related workers	46	98
		4220		Client information workers	37	2039
			4221	Travel consultants and clerks	42	249
			4222	Contact centre information clerks	37	
			4223	Telephone switchboard operators	34	472
			4224	Hotel receptionists	37	
			4225	Enquiry clerks	37	
			4226	Receptionists (general)	37	1114
			4227	Survey and market research interviewers	37	
			4229	Client information workers not elsewhere classified	37	
	4300			Numerical and material recording clerks	43	5756
		4310		Numerical clerks	47	3266
			4311	Accounting and bookkeeping clerks	45	2076
			4312	Statistical, finance and insurance clerks	52	698
			4313	Payroll clerks	47	
		4320		Material-recording and transport clerks	38	2490
			4321	Stock clerks	36	1364
			4322	Production clerks	41	416
			4323	Transport clerks	41	517
	4400			Other clerical support workers	40	4916
		4410		Other clerical support workers	40	4916

		4411	Library clerks	42	395
		4412	Mail carriers and sorting clerks	32	634
		4413	Coding, proof-reading and related clerks	42	47
		4414	Scribes and related workers	45	96
		4415	Filing and copying clerks	40	
		4416	Personnel clerks	40	
		4419	Clerical support workers not elsewhere classified	40	
5000			Service and sales workers	31	34316
	5100		Personal service workers	30	9995
		5110	Travel attendants, conductors and guides	42	477
		5111	Travel attendants and travel stewards	44	145
		5112	Transport conductors	40	163
		5113	Travel guides	41	90
		5120	Cooks	27	2504
		5130	Waiters and bartenders	29	2433
		5131	Waiters	28	isei68
		5132	Bartenders	30	isei68
		5140	Hairdressers, beauticians and related workers	32	1458
		5141	Hairdressers	32	
		5142	Beauticians and related workers	32	
		5150	Building and housekeeping supervisors	29	2125
		5151	Cleaning and housekeeping supervisors in offices, hotels and other establishments	33	isei68
		5152	Domestic housekeepers	33	534
		5153	Building caretakers	26	910
		5160	Other personal services workers	33	809
		5161	Astrologers, fortune-tellers and related workers	43	20
		5162	Companions and valets	24	112
		5163	Undertakers and embalmers	37	45
		5164	Pet groomers and animal care workers	33	
		5165	Driving instructors	33	
		5169	Personal services workers not elsewhere classified	34	417
	5200		Sales workers	33	14600
		5210	Street and market salespersons	28	1149
		5211	Stall and market salespersons	31	676
		5212	Street food salespersons	23	473
		5220	Shop salespersons	33	11694
		5221	Shop keepers	45	1754
		5222	Shop supervisors	40	
		5223	Shop sales assistants	31	9940
		5230	Cashiers and ticket clerks	31	913
		5240	Other sales workers	35	505
		5241	Fashion and other models	37	127
		5242	Sales demonstrators	41	isei68
		5243	Door to door salespersons	34	378
		5244	Contact centre salespersons	35	
		5245	Service station attendants	17	isei68
		5246	Food service counter attendants	25	
		5249	Sales workers not elsewhere classified	25	

	5300		Personal care workers	26	5989
		5310	Child care workers and teachers' aides	26	1519
			5311 Child care workers	26	1519
			5312 Teachers' aides	38	isei88
		5320	Personal care workers in health services	27	2805
			5321 Health care assistants	28	1726
			5322 Home-based personal care workers	24	679
			5329 Personal care workers in health services not elsewhere classified	26	400
	5400		Protective services workers	40	3081
		5410	Protective services workers	40	3081
			5411 Fire-fighters	49	212
			5412 Police officers	53	734
			5413 Prison guards	49	131
			5414 Security guards	27	968
			5419 Protective services workers not elsewhere classified	38	784
6000			Skilled agricultural, forestry and fishery workers	18	8245
	6100		Market-oriented skilled agricultural workers	18	6911
		6110	Market gardeners and crop growers	18	3090
			6111 Field crop and vegetable growers	16	1548
			6112 Tree and shrub crop growers	21	353
			6113 Gardeners, horticultural and nursery growers	24	376
			6114 Mixed crop growers	14	268
		6120	Animal producers	24	1364
			6121 Livestock and dairy producers	23	934
			6122 Poultry producers	20	84
			6123 Apiarists and sericulturists	29	11
			6129 Animal producers not elsewhere classified	27	171
		6130	Mixed crop and animal producers	18	1845
	6200		Market-oriented skilled forestry, fishery and hunting workers	24	812
		6210	Forestry and related workers	26	486
		6220	Fishery workers, hunters and trappers	21	326
			6221 Aquaculture workers	18	35
			6222 Inland and coastal waters fishery workers	19	150
			6223 Deep-sea fishery workers	35	44
			6224 Hunters and trappers	10	8
	6300		Subsistence farmers, fishers, hunters and gatherers	10	332
		6310	Subsistence crop farmers	10	
		6320	Subsistence livestock farmers	10	
		6330	Subsistence mixed crop and livestock farmers	10	
		6340	Subsistence fishers, hunters, trappers and gatherers	10	
7000			Craft and related trades workers	35	25931
	7100		Building and related trades workers, excluding electricians	34	7455
		7110	Building frame and related trades workers	34	4332
			7111 House builders	40	586
			7112 Bricklayers and related workers	32	isei68
			7113 Stonemasons, stone cutters, splitters and carvers	31	1326
			7114 Concrete placers, concrete finishers and related workers	32	220
			7115 Carpenters and joiners	33	1205

		7119	Building frame and related trades workers not elsewhere classified	35	589
	7120		Building finishers and related trades workers	36	1908
		7121	Roofers	36	137
		7122	Floor layers and tile setters	35	352
		7123	Plasterers	29	236
		7124	Insulation workers	39	72
		7125	Glaziers	33	83
		7126	Plumbers and pipe fitters	38	832
		7127	Air conditioning and refrigeration mechanics	38	
	7130		Painters, building structure cleaners and related trades workers	34	1087
		7131	Painters and related workers	33	828
		7132	Spray painters and varnishers	34	130
		7133	Building structure cleaners	48	36
7200			Metal, machinery and related trades workers	38	7001
	7210		Sheet and structural metal workers, moulders and welders, and related workers	37	1718
		7211	Metal moulders and coremakers	38	108
		7212	Welders and flamecutters	37	750
		7213	Sheet-metal workers	36	281
		7214	Structural-metal preparers and erectors	38	338
		7215	Riggers and cable splicers	26	18
	7220		Blacksmiths, toolmakers and related trades workers	38	2313
		7221	Blacksmiths, hammersmiths and forging press workers	34	168
		7222	Toolmakers and related workers	40	720
		7223	Metal working machine tool setters and operators	36	983
		7224	Metal polishers, wheel grinders and tool sharpeners	41	284
	7230		Machinery mechanics and repairers	39	2833
		7231	Motor vehicle mechanics and repairers	38	1500
		7232	Aircraft engine mechanics and repairers	54	89
		7233	Agricultural and industrial machinery mechanics and repairers	38	673
		7234	Bicycle and related repairers	26	isei68
7300			Handicraft and printing workers	33	1956
	7310		Handicraft workers	31	1240
		7311	Precision-instrument makers and repairers	38	240
		7312	Musical instrument makers and tuners	42	15
		7313	Jewellery and precious-metal workers	36	118
		7314	Potters and related workers	29	90
		7315	Glass makers, cutters, grinders and finishers	35	88
		7316	Sign writers, decorative painters, engravers and etchers	30	80
		7317	Handicraft workers in wood, basketry and related materials	33	20
		7318	Handicraft workers in textile, leather and related materials	25	423
		7319	Handicraft workers not elsewhere classified	34	166
	7320		Printing trades workers	36	686
		7321	Pre-press technicians	38	254
		7322	Printers	37	193
		7323	Print finishing and binding workers	34	154
7400			Electrical and electronic trades workers	43	2848

	7410		Electrical equipment installers and repairers	43	1955
		7411	Building and related electricians	43	859
		7412	Electrical mechanics and fitters	42	857
		7413	Electrical line installers and repairers	43	239
	7420		Electronics and telecommunications installers and repairers	44	509
		7421	Electronics mechanics and servicers	45	321
		7422	Information and communications technology installers and servicers	41	188
7500			Food processing, wood working, garment and other craft and related trades workers	27	5386
	7510		Food processing and related trades workers	29	1525
		7511	Butchers, fishmongers and related food preparers	29	485
		7512	Bakers, pastry-cooks and confectionery makers	29	729
		7513	Dairy-products makers	34	43
		7514	Fruit, vegetable and related preservers	24	55
		7515	Food and beverage tasters and graders	32	35
		7516	Tobacco preparers and tobacco products makers	10	19
	7520		Wood treaters, cabinet-makers and related trades workers	32	865
		7521	Wood treaters	27	66
		7522	Cabinet-makers and related workers	34	618
		7523	Woodworking-machine tool setters and operators	21	79
	7530		Garment and related trades workers	25	2824
		7531	Tailors, dressmakers, furriers and hatters	24	1074
		7532	Garment and related pattern-makers and cutters	27	105
		7533	Sewing, embroidery and related workers	24	947
		7534	Upholsterers and related workers	29	94
		7535	Pelt dressers, tanners and fellmongers	30	50
		7536	Shoemakers and related workers	27	304
	7540		Other craft and related workers	32	172
		7541	Underwater divers	32	6
		7542	Shotfirers and blasters	49	14
		7543	Product graders and testers (excluding foods and beverages)	32	
		7544	Fumigators and other pest and weed controllers	32	
		7549	Craft and related workers not elsewhere classified	32	
8000			Plant and machine operators, and assemblers	32	15376
	8100		Stationary plant and machine operators	29	6127
	8110		Mining and mineral processing plant operators	39	693
		8111	Miners and quarriers	40	403
		8112	Mineral and stone processing plant operators	39	27
		8113	Well drillers and borers and related workers	46	51
		8114	Cement, stone and other mineral products machine operators	33	88
	8120		Metal processing and finishing plant operators	33	487
		8121	Metal processing plant operators	35	251
		8122	Metal finishing, plating and coating machine operators	31	133
	8130		Chemical and photographic products plant and machine operators	35	516
		8131	Chemical products plant and machine operators	35	425
		8132	Photographic products machine operators	34	65

		8140		Rubber, plastic and paper products machine operators	31	451
			8141	Rubber products machine operators	29	105
			8142	Plastic products machine operators	31	250
			8143	Paper products machine operators	36	69
		8150		Textile, fur and leather products machine operators	21	1300
			8151	Fibre preparing, spinning and winding machine operators	27	158
			8152	Weaving and knitting machine operators	20	209
			8153	Sewing machine operators	18	464
			8154	Bleaching, dyeing and fabric cleaning machine operators	19	164
			8155	Fur and leather preparing machine operators	22	19
			8156	Shoemaking and related machine operators	18	77
			8157	Laundry machine operators	24	isei88
			8159	Textile, fur and leather products machine operators not elsewhere classified	27	92
		8160		Food and related products machine operators	22	716
		8170		Wood processing and papermaking plant operators	29	503
			8171	Pulp and papermaking plant operators	33	108
			8172	Wood processing plant operators	27	190
		8180		Other stationary plant and machine operators	29	1289
			8181	Glass and ceramics plant operators	25	111
			8182	Steam engine and boiler operators	26	142
			8183	Packing, bottling and labelling machine operators	27	isei68
			8189	Stationary plant and machine operators not elsewhere classified	30	1036
	8200			Assemblers	29	1100
		8210		Assemblers	29	1100
			8211	Mechanical machinery assemblers	33	240
			8212	Electrical and electronic equipment assemblers	27	127
			8219	Assemblers not elsewhere classified	28	527
	8300			Drivers and mobile plant operators	36	7381
		8310		Locomotive engine drivers and related workers	44	357
			8311	Locomotive engine drivers	52	155
			8312	Railway brake, signal and switch operators	35	140
		8320		Car, van and motorcycle drivers	36	1753
			8321	Motorcycle drivers	33	188
			8322	Car, taxi and van drivers	36	1565
		8330		Heavy truck and bus drivers	36	3549
			8331	Bus and tram drivers	37	743
			8332	Heavy truck and lorry drivers	36	1832
		8340		Mobile plant operators	31	1482
			8341	Mobile farm and forestry plant operators	22	291
			8342	Earthmoving and related plant operators	35	358
			8343	Crane, hoist and related plant operators	35	341
			8344	Lifting truck operators	29	294
		8350		Ships' deck crews and related workers	44	199
9000				Elementary occupations	20	20003
	9100			Cleaners and helpers	17	7865
		9110		Domestic, hotel and office cleaners and helpers	17	7087
			9111	Domestic cleaners and helpers	17	2353
			9112	Cleaners and helpers in offices, hotels and other	16	3505

			establishments		
		9120	Vehicle, window, laundry and other hand cleaning workers	20	778
			9121 Hand launderers and pressers	19	323
			9122 Vehicle cleaners	20	
			9123 Window cleaners	20	
			9129 Other cleaning workers	20	
	9200		Agricultural, forestry and fishery labourers	14	2463
		9210	Agricultural, forestry and fishery labourers	15	2376
			9211 Crop farm labourers	16	isei68
			9212 Livestock farm labourers	20	isei68
			9213 Mixed crop and livestock farm labourers	18	isei68
			9214 Garden and horticultural labourers	16	isei68
			9215 Forestry labourers	19	195
			9216 Fishery and aquaculture labourers	19	51
	9300		Labourers in mining, construction, manufacturing and transport	24	5641
		9310	Mining and construction labourers	22	1639
			9311 Mining and quarrying labourers	24	43
			9312 Civil engineering labourers	23	608
			9313 Building construction labourers	22	834
		9320	Manufacturing labourers	23	2391
			9321 Hand packers	23	734
			9329 Manufacturing labourers not elsewhere classified	21	408
		9330	Transport and storage labourers	27	1388
			9331 Hand and pedal vehicle drivers	21	55
			9332 Drivers of animal-drawn vehicles and machinery	31	47
			9333 Freight handlers	28	622
			9334 Shelf fillers	20	
	9400		Food preparation assistants	15	
		9410	Food preparation assistants	15	
			9411 Fast food preparers	20	
			9412 Kitchen helpers	10	isei68
	9500		Street and related sales and service workers	25	547
		9510	Street and related service workers	22	102
		9520	Street vendors (excluding food)	26	445
	9600		Refuse workers and other elementary workers	26	1848
		9610	Refuse workers	17	556
			9611 Garbage and recycling collectors	18	148
			9612 Refuse sorters	17	
			9613 Sweepers and related labourers	17	332
		9620	Other elementary workers	29	1292
			9621 Messengers, package deliverers and luggage porters	30	866
			9622 Odd job persons	20	
			9623 Meter readers and vending-machine collectors	34	66
			9624 Water and firewood collectors	20	
			9629 Elementary workers not elsewhere classified	20	