GHANA INTERNANATIONAL STANDARD CLASSIFICATION OF OCCUPATIONS

	Sub-			
Major	major	Minor	Unit	DESCRIPTION OF OCCUPATION
Group	Group	Group	Group	
1	L			Managers
	11	=		Chief executives, senior officials and members of parliament
		111		Legislators and senior officials
			1111	Members of parliament
			1112	Senior government officials (Ministers, MCEs, DCEs)
			1113	Traditional chiefs and heads of village
			1114	Senior officials of special-interest organizations
			112	Managing directors and chief executives
			1121	Managing directors and chief executives (GMs, MDs, CEOs etc.)
	12	!		Administrative and commercial managers
		121		Business services and administration managers
				Finance managers
			1212	Human resource managers /Administration managers
			1213	Policy and planning managers
			1219	Business services and administration managers not elsewhere classified
		122		Sales, marketing and development managers
				Sales and marketing managers
				Advertising and public relations managers
			1223	Research and development managers
	13	}		Production and specialized services managers
		131		Production managers in agriculture, forestry and fisheries
				Agricultural and forestry production managers
			1312	Aquaculture and fisheries production managers
		132		Manufacturing, mining, construction, and distribution managers
				Manufacturing/Production managers
				Mining managers
				Construction managers
			1324	Supply, distribution and related managers
		133		Information and communications technology service managers
				Information and communications technology service managers
		134		Professional services managers
				Child care services managers
				Health services managers
				Aged care services managers
				Social welfare managers
				Education managers
				Financial and insurance services branch managers
			1349	Professional services managers not elsewhere classified
	14			Hospitality, retail and other services managers
		141		Hotel and restaurant managers
			1411	Hotel managers

1/112	Restaurant	managers
1412	nestaurant	Illaliageis

142 Retail and wholesale trade managers

1421 Retail and wholesale trade managers

143 Other services managers

- 1431 Sports, recreation and cultural centre managers
- 1439 Services managers not elsewhere classified

2 Professionals

213

21

Science and engineering professionals

211 Physical and earth science professionals

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

212 Mathematicians, actuaries and statisticians

2120 Mathematicians, actuaries and statisticians

Life science professionals

- 2131 Biologists, botanists, zoologists and related professionals
- 2132 Farming, forestry and fisheries advisers
- 2133 Environmental protection professionals

214 Engineering professionals (excluding electro technology)

- 2141 Industrial and production engineers
- 2142 Civil engineers
- 2143 Environmental engineers
- 2144 Mechanical engineers
- 2145 Chemical engineers
- 2146 Mining engineers, metallurgists and related professionals
- 2149 Engineering professionals not elsewhere classified

215 Electro technology engineers

- 2151 Electrical engineers
- 2152 Electronics engineers
- 2153 Telecommunications engineers

216 Architects, planners, surveyors and designers

- 2161 Building architects
- 2162 Landscape architects
- 2163 Product and garment designers
- 2164 Town and traffic planners
- 2165 Cartographers and surveyors
- 2166 Graphic and multimedia designers

22 Health professionals

221 Medical doctors

- 2211 Generalist medical practitioners
- 2212 Specialist medical practitioners

Nursing and midwifery professionals

- 2221 Nursing professionals
- 2222 Midwifery professionals

223 Traditional and complementary medicine professionals

	230 Traditional and complementary medicine professionals
224	Paramedical practitioners
224	240 Paramedical practitioners
225	Veterinarians
223	250 Veterinarians
226	Other health professionals
220	261 Dentists
	262 Pharmacists
	263 Environmental and occupational health and hygiene professionals
	264 Physiotherapists
	265 Dieticians and nutritionists
	266 Audiologists and speech therapists
	267 Optometrists and ophthalmic opticians
	269 Health professionals not elsewhere classified
	Teaching professionals
231	University and higher education teachers
	310 University and higher education teachers
232	Vocational education teachers
	320 Vocational education teachers
233	Secondary education teachers
	330 Secondary education teachers
234	Primary school and early childhood teachers
	341 Primary school teachers
	342 Early childhood educators
235	Other teaching professionals
	351 Education methods specialists
	352 Special needs teachers
	353 Other language teachers
	354 Other music teachers
	355 Other arts teachers
	356 Information technology trainers
	359 Teaching professionals not elsewhere classified
	Business and administration professionals
241	Finance professionals
	411 Accountants
	412 Financial and investment advisers
	413 Financial analysts
242	Administration professionals
	421 Management and organization analysts
	422 Policy administration professionals
	423 Personnel and careers professionals
	424 Training and staff development professionals
243	Sales, marketing and public relations professionals
	431 Advertising and marketing professionals
	432 Public relations professionals
	433 Technical and medical sales professionals (excluding ICT)
	434 Information and communications technology sales professionals

Information and communications technology professionals 25 Software and applications developers and analysts 251 2511 Systems analysts 2512 Software developers 2513 Web and multimedia developers 2514 Applications programmers 2519 Software and applications developers and analysts not elsewhere classified 252 Database and network professionals 2521 Database designers and administrators 2522 Systems administrators 2523 Computer network professionals 2529 Database and network professionals not elsewhere classified Legal, social and cultural professionals 26 Legal professionals 261 2611 Lawyers 2612 Judges 2619 Legal professionals not elsewhere classified Librarians, archivists and curators 262 2621 Archivists and curators 2622 Librarians and related information professionals Social and religious professionals 263 2631 Economists 2632 Sociologists, anthropologists and related professionals 2633 Philosophers, historians and political scientists 2634 Psychologists 2635 Social work and counselling professionals 2636 Religious professionals Authors, journalists and linguists 264 2641 Authors and related writers 2642 Journalists 2643 Translators, interpreters and other linguists 265 Creative and performing artists 2651 Visual artists 2652 Musicians, singers and composers 2653 Dancers and choreographers 2654 Film, stage and related directors and producers 2655 Actors 2656 Announcers on radio, television and other media 2659 Creative and performing artists not elsewhere classified Technicians and associate professionals 31 Science and engineering associate professionals Physical and engineering science technicians 311 3111 Chemical and physical science technicians

3112 Civil engineering technicians 3113 Electrical engineering technicians 3114 Electronics engineering technicians

	3115 Mechanical engineering technicians
	3116 Chemical engineering technicians
	3117 Mining and metallurgical technicians
	3118 Draughtspersons
	3119 Physical and engineering science technicians not elsewhere classified
312	Mining, manufacturing and construction supervisors
	3121 Mining supervisors
	3122 Manufacturing supervisors
	3123 Construction supervisors
313	Process control technicians
	3131 Power production plant operators
	3132 Incinerator and water treatment plant operators
	3133 Chemical processing plant controllers
	3134 Petroleum and natural gas refining plant operators
	3135 Metal production process controllers
	3139 Process control technicians not elsewhere classified
314	Life science technicians and related associate professionals
	3141 Life science technicians (excluding medical)
	3142 Agricultural technicians
	3143 Forestry technicians
	315 Ship and aircraft controllers and technicians
	3151 Ships' engineers
	3152 Ships' deck officers and pilots
	3153 Aircraft pilots and related associate professionals
	3154 Air traffic controllers
	3155 Air traffic safety electronics technicians
	Health associate professionals
321	Medical and pharmaceutical technicians
	3211 Medical imaging and therapeutic equipment technicians
	3212 Medical and pathology laboratory technicians
	3213 Pharmaceutical technicians and assistants
	3214 Medical and dental prosthetic technicians
322	Nursing and midwifery associate professionals
	3221 Nursing associate professionals
	3222 Midwifery associate professionals
323	Traditional and complementary medicine associate professionals
	3230 Traditional and complementary medicine associate professionals
324	Veterinary technicians and assistants
	3240 Veterinary technicians and assistants
325	Other health associate professionals
	3251 Dental assistants and therapists
	3252 Medical records and health information technicians
	3253 Community health workers
	3254 Dispensing opticians
	3255 Physiotherapy technicians and assistants
	3256 Medical assistants
	3257 Environmental and occupational health inspectors and associates

		3258	Ambulance workers
		3259	Health associate professionals not elsewhere classified
33			Business and administration associate professionals
	331		Financial and mathematical associate professionals
		3311	Securities and finance dealers and brokers
			Credit and loans officers
			Accounting associate professionals
			Statistical, mathematical and related associate professionals
		3315	Valuers and loss assessors
	332		Sales and purchasing agents and brokers
			Insurance representatives
			Commercial sales representatives
			Buyers Trade brokers
	333	3324	Business services agents
	333	2221	Clearing and forwarding agents
			Conference and event planners
			Employment agents and contractors
			Real estate agents and property managers
			Business services agents not elsewhere classified
	334		Administrative and specialized secretaries
		3341	Office supervisors
			Legal secretaries
		3343	Administrative and executive secretaries
		3344	Medical secretaries
	335		Regulatory government associate professionals
		3351	Customs and border inspectors
			Government tax and excise officials
		3353	Government social benefits officials
		3354	Government licensing officials
			Police inspectors and detectives
		3359	Regulatory government associate professionals not elsewhere classified
34			Legal, social, cultural and related associate professionals
	341		Legal, social and religious associate professionals
			Legal and related associate professionals
			Social work associate professionals
		3413	Religious associate professionals
	342		Sports and fitness workers
			Athletes and sports players Sports spackes instructors and officials
			Sports coaches, instructors and officials Fitness and recreation instructors and program leaders
	343	3423	Artistic, cultural and culinary associate professionals
	343	2/121	Photographers
			Interior designers and decorators
			Gallery, museum and library technicians
			Chefs
			Other artistic and cultural associate professionals
		5 ,55	2 2. della dilla dilla di dobbolate professionale

35 Information and communications technicians

Information and communications technology operations and user support technicia

- 3511 Information and communications technology operations technicians
- 3512 Information and communications technology user support technicians
- 3513 Computer network and systems technicians
- 3514 Web technicians

352 Telecommunications and broadcasting technicians

- 3521 Broadcasting and audio-visual technicians
- 3522 Telecommunications engineering technicians

Clerical support workers

4

41

43

44

432

General and keyboard clerks

411 General office clerks

- 4110 General office clerks
- 412 Secretaries (general)
 - 4120 Secretaries (general)
- 413 Keyboard operators
 - 4131 Typists and word processing operators
 - 4132 Data entry clerks

42 Customer services clerks

421 Tellers, money collectors and related clerks

- 4211 Bank tellers and related clerks
- 4212 Bookmakers, croupiers and related gaming workers
- 4213 Pawnbrokers and money-lenders
- 4214 Debt-collectors and related workers

422 Client information workers

- 4221 Travel consultants and clerks
- 4222 Contact centre information clerks
- 4223 Telephone switchboard operators
- 4224 Hotel receptionists
- 4225 Enquiry clerks
- 4226 Receptionists (general)
- 4227 Survey and market research interviewers
- 4229 Client information workers not elsewhere classified

Numerical and material recording clerks

431 Numerical clerks

- 4311 Accounting and bookkeeping clerks
- 4312 Statistical, finance and insurance clerks
- 4313 Payroll clerks
 - Material-recording and transport clerks
- 4321 Stock clerks
- 4322 Production clerks
- 4323 Transport clerks

Other clerical support workers

441 Other clerical support workers

- 4411 Library clerks
- 4412 Mail carriers and sorting clerks

			4413 Coding, proof-reading and related clerks
			4414 Scribes and related workers
			4415 Filing and copying clerks
			4416 Personnel clerks
			4419 Clerical support workers not elsewhere classified
5			Service and sales workers
	51		Personal service workers
		511	Travel attendants, conductors and guides
			5111 Travel attendants and travel stewards
			5112 Transport conductors
			5113 Travel guides
		512	Cooks
			5120 Cooks
		513	Waiters and bartenders
			5131 Waiters
			5132 Bartenders
		514	Hairdressers, beauticians and related workers
			5141 Hairdressers
			5142 Beauticians and related workers
		515	Building and housekeeping supervisors
			5151 Cleaning and housekeeping supervisors in offices, hotels and other establishments
			5152 Domestic housekeepers
			5153 Building caretakers
		516	Other personal services workers
			5161 Astrologers, fortune-tellers and related workers
			5162 Companions and valets
			5163 Undertakers and embalmers
			5164 Pet groomers and animal care workers
			5165 Driving instructors
			5169 Personal services workers not elsewhere classified
	52		Sales workers
		521	Street and market salespersons
			5211 Stall and market salespersons
		F22	Shop salespersons
		522	5221 Shop keepers
			5222 Shop supervisors
			5222 Shop sales assistants
		523	Cashiers and ticket clerks
		525	5230 Cashiers and ticket clerks
		524	Other sales workers
		324	5241 Fashion and other models
			5242 Sales demonstrators
			5243 Door to door salespersons
			5244 Contact centre salespersons
			5245 Service station attendants

53			Personal care workers
	531		Child care workers and teachers' aides
		5311	Child care workers
		5312	Teachers' aides
	532		Personal care workers in health services
		5321	Health care assistants
		5322	Home-based personal care workers
		5329	Personal care workers in health services not elsewhere classified
54			Protective services workers
	541		Protective services workers
		5411	Fire-fighters
		5412	Police officers
		5413	Prison guards
		5414	Security guards
		5419	Protective services workers not elsewhere classified
			Skilled agricultural, forestry and fishery workers
61			Market-oriented skilled agricultural workers
	611		Market gardeners and crop growers
		6111	Field crop and vegetable growers
		6112	Tree and shrub crop growers
		6113	Gardeners, horticultural and nursery growers
		6114	Mixed crop growers
	612		Animal producers
		6121	Livestock and dairy producers
		6122	Poultry producers
		6123	Apiarists and sericulturists
		6129	Animal producers not elsewhere classified
	613		Mixed crop and animal producers
		6130	Mixed crop and animal producers
62			Market-oriented skilled forestry, fishery and hunting workers
	621		Forestry and related workers
		6210	Forestry and related workers
	622		Fishery workers, hunters and trappers
			Aquaculture workers
			Inland and coastal waters fishery workers
		6223	Deep-sea fishery workers
		6224	Hunters and trappers
63			Subsistence farmers, fishers, hunters and gatherers
	631		Subsistence crop farmers
		6310	Subsistence crop farmers
	632		Subsistence livestock farmers
		6320	Subsistence livestock farmers
	633		Subsistence mixed crop and livestock farmers
		6330	Subsistence mixed crop and livestock farmers

5246 Food service counter attendants 5249 Sales workers not elsewhere classified

Subsistence fishers, hunters, trappers and gatherers

6340 Subsistence fishers, hunters, trappers and gatherers

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7	Craft and rel	ated trades work	ers

Building and related trades workers, excluding electricians

711 Building frame and related trades workers

7111 House builders

71

- 7112 Bricklayers and related workers
- 7113 Stonemasons, stone cutters, splitters and carvers
- 7114 Concrete placers, concrete finishers and related workers
- 7115 Carpenters and joiners
- 7119 Building frame and related trades workers not elsewhere classified

712 Building finishers and related trades workers

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

Painters, building structure cleaners and related trades workers

- 7131 Painters and related workers
- 7132 Spray painters and varnishers
- 7133 Building structure cleaners

72 Metal, machinery and related trades workers

Sheet and structural metal workers, moulders and welders, and related workers

- 7211 Metal moulders and coremakers
- 7212 Welders and flamecutters
- 7213 Sheet-metal workers
- 7214 Structural-metal preparers and erectors
- 7215 Riggers and cable splicers

722 Blacksmiths, toolmakers and related trades workers

- 7221 Blacksmiths, hammersmiths and forging press workers
- 7222 Toolmakers and related workers
- 7223 Metal working machine tool setters and operators
- 7224 Metal polishers, wheel grinders and tool sharpeners

723 Machinery mechanics and repairers

- 7231 Motor vehicle mechanics and repairers
- 7232 Aircraft engine mechanics and repairers
- 7233 Agricultural and industrial machinery mechanics and repairers
- 7234 Bicycle and related repairers

Handicraft and printing workers

731 Handicraft workers

- 7311 Precision-instrument makers and repairers
- 7312 Musical instrument makers and tuners

			7313 Jewellery and precious-metal workers
			7314 Potters and related workers
			7315 Glass makers, cutters, grinders and finishers
			7316 Sign writers, decorative painters, engravers and etchers
			7317 Handicraft workers in wood, basketry and related materials
			7318 Handicraft workers in textile, leather and related materials
			7319 Handicraft workers not elsewhere classified
		732	Printing trades workers
			7321 Pre-press technicians
			7322 Printers
			7323 Print finishing and binding workers
	74		Electrical and electronic trades workers
	, ,	741	Electrical equipment installers and repairers
		,41	7411 Building and related electricians
			7412 Electrical mechanics and fitters
			7413 Electrical line installers and repairers
		742	Electronics and telecommunications installers and repairers
		742	7421 Electronics mechanics and servicers
			7422 Information and communications technology installers and servicers
	75		Food processing, wood working, garment and other craft and related trades worker
		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	Garment and related trades workers
			7531 Tailors, dressmakers, furriers and hatters
			7532 Garment and related pattern-makers and cutters
			7533 Sewing, embroidery and related workers
			7534 Upholsterers and related workers
			7535 Pelt dressers, tanners and fellmongers
			7536 Shoemakers and related workers
		754	Other craft and related workers
			7541 Underwater divers
			7542 Shotfirers and blasters
			7543 Product graders and testers (excluding foods and beverages)
			7544 Fumigators and other pest and weed controllers
			7549 Craft and related workers not elsewhere classified
8			Plant and machine operators, and assemblers
	81		Stationary plant and machine operators
		811	Mining and mineral processing plant operators

	8111 Miners and quarriers
	8112 Mineral and stone processing plant operators
	8113 Well drillers and borers and related workers
	8114 Cement, stone and other mineral products machine operators
812	Metal processing and finishing plant operators
	8121 Metal processing plant operators
	8122 Metal finishing, plating and coating machine operators
813	Chemical and photographic products plant and machine operators
	8131 Chemical products plant and machine operators
	8132 Photographic products machine operators
814	Rubber, plastic and paper products machine operators
	8141 Rubber products machine operators
	8142 Plastic products machine operators
	8143 Paper products machine operators
815	Textile, fur and leather products machine operators
	8151 Fibre preparing, spinning and winding machine operators
	8152 Weaving and knitting machine operators
	8153 Sewing machine operators
	8154 Bleaching, dyeing and fabric cleaning machine operators
	8155 Fur and leather preparing machine operators
	8156 Shoemaking and related machine operators
	8157 Laundry machine operators
	8159 Textile, fur and leather products machine operators not elsewhere classified
816	Food and related products machine operators
	8160 Food and related products machine operators
817	Wood processing and papermaking plant operators
	8171 Pulp and papermaking plant operators
	8172 Wood processing plant operators
818	Other stationary plant and machine operators
	8181 Glass and ceramics plant operators
	8182 Steam engine and boiler operators
	8183 Packing, bottling and labelling machine operators
	8189 Stationary plant and machine operators not elsewhere classified
	Assemblers
821	Assemblers
	8211 Mechanical machinery assemblers
	8212 Electrical and electronic equipment assemblers 8219 Assemblers not elsewhere classified
024	Drivers and mobile plant operators
831	Locomotive engine drivers and related workers
	8311 Locomotive engine drivers
022	8312 Railway brake, signal and switch operators Car, van and motorcycle drivers
832	
	8321 Motorcycle drivers 8322 Car, taxi and van drivers
022	Heavy truck and bus drivers
833	8331 Bus and tram drivers
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	834	Mobile plant operators
		8341 Mobile farm and forestry plant operators
		8342 Earthmoving and related plant operators
		8343 Crane, hoist and related plant operators
		8344 Lifting truck operators
	835	Ships' deck crews and related workers
		8350 Ships' deck crews and related workers
		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, forestry and fishery labourers
	921	Agricultural, forestry and fishery labourers
		9211 Crop farm labourers
		9212 Livestock farm labourers
		9213 Mixed crop and livestock farm labourers
		9214 Garden and horticultural labourers
		9215 Forestry labourers
		9216 Fishery and aquaculture labourers
93		Labourers in mining, construction, manufacturing and transport
	931	Mining and construction labourers
		9311 Mining and quarrying labourers
		9312 Civil engineering labourers
		9313 Building construction labourers
	932	Manufacturing labourers
		9321 Hand packers
		9329 Manufacturing labourers not elsewhere classified
	933	Transport and storage labourers
		9331 Hand and pedal vehicle drivers
		9332 Drivers of animal-drawn vehicles and machinery
		9333 Freight handlers 9334 Shelf fillers
0.4		Food preparation assistants
94	941	Food preparation assistants Food preparation assistants
	941	9411 Fast food preparers
		9412 Kitchen helpers
95		Street and related sales and service workers
,,	951	Street and related service workers
	JJ1	9510 Street and related service workers
	952	Street vendors (excluding food)
		(

8332 Heavy truck and lorry drivers

96 Refuse workers and other elementary workers

961 Refuse workers

- 9611 Garbage and recycling collectors
- 9612 Refuse sorters
- 9613 Sweepers and related labourers

962 Other elementary workers

- 9621 Messengers, package deliverers and luggage porters
- 9622 Odd job persons
- 9623 Meter readers and vending-machine collectors
- 9624 Water and firewood collectors
- 9629 Elementary workers not elsewhere classified

Armed forces occupations

1 Armed forces

0

- 111 Army
- 112 Navy
- 113 Air force
- 114 Police

2 Other security personnel

211 Private security personnel