

**APPENDIX 1**

**ACCIDENT AND DANGEROUS OCCURRENCE REPORT FORM**

**(SAMRASS 1)**

**DEPARTMENT OF MINERALS AND ENERGY**

**This form must be completed for reportable accidents in terms of regulations 23.1(a) (b) (c) and (d) and dangerous occurrences in terms of regulation 23.4. Sections E and F, need not be completed in the event of a Dangerous Occurrence. Attach forms SAMRASS 2, 3, 5, 6, 7, and 8, where applicable.**

**SECTION A: EMPLOYER DETAILS**

1. NAME OF MINE											
2. DME MINE CODE											
3. MAIN COMMODITY											

**SECTION B: ACCIDENT OR DANGEROUS OCCURRENCE DETAILS**

1. Mine Accident or Dangerous Occurrence Number	YEAR				ACC /DO REF NO				SHAFT			
	Y	Y	Y	Y	N	N	N	N	S	S	S	S
2. Number of persons killed												
3. Number of persons totally disabled												
4. Number of persons injured												
5. Date of accident or dangerous occurrence (use YYYY/MM/DD format)	Y	Y	Y	Y	M	M	D	D				
6. Time of accident or dangerous occurrence					H	H	M	M				
7. Location of accident or dangerous occurrence												
8. Name of working place												
9. Depth below surface (in metres)												
10. Section												
11. Description of accident or dangerous occurrence in words	..... ..... .....											
12. Accident classification code												
13. Dangerous Occurrence classification code												
14. Did accident or dangerous occurrence occur during normal working hours or overtime?									Normal	O/Time		
15. Did accident or dangerous occurrence happen at normal workplace?									Y	N		
16. Average number of persons at work during the previous month	SURF OPS		U/G		O/CAST		SURF MIN		MARINE			

**Section C: Responsible persons**

NAME	IDENTITY NUMBER/PASSPORT NUMBER	CERTIFICATE No.	OCCUPATION
1 <sup>ST</sup> LEVEL SUPERVISOR			
2 <sup>ND</sup> LEVEL SUPERVISOR			
3 <sup>RD</sup> LEVEL SUPERVISOR			
4 <sup>TH</sup> LEVEL SUPERVISOR			
Name of Manager	Designation	Signature	Date
			Y Y Y Y M M D D

**SECTION D: FOR USE BY THE DEPARTMENT OF MINERALS AND ENERGY**

1. REGIONAL ACCIDENT OR DANGEROUS OCCURRENCE NUMBER	Y	Y	Y	Y	R	N	N	N	I				
2. DATE REPORTED	Y	Y	Y	Y	M	M	D	D					
3. TYPE OF ACCIDENT OR DANGEROUS OCCURRENCE													
4. ACCIDENT OR DANGEROUS OCCURRENCE REGISTERED BY					DATE	Y	Y	Y	Y	M	M	D	D
5. INQUIRY TYPE													
6. PROBABLE CAUSE OF ACCIDENT OR DANGEROUS OCCURRENCE													
7. CONTRAVENTION IN INSPECTOR'S OPINION									YES	NO			
8. IF YES, ACT/REGULATION CONTRAVENED													
9. ADMINISTRATIVE FINE RECOMMENDED?									YES	NO			
10. DATE EVALUATION FORM COMPLETED	Y	Y	Y	Y	M	M	D	D					
INSPECTORATE DETAILS	NAME (IN BLOCK LETTERS)				DATE				SIGNATURE				
11. INSPECTOR OF MINES													
12. SENIOR INSPECTOR OF MINES (MINING)													
13. SENIOR INSPECTOR OF MINES (MINING EQUIPMENT)													
14. ARE CRIMINAL PROCEEDINGS ENVISAGED?									YES	NO			

## APPENDIX 2 INJURY REPORT FORM

(SAMRASS 2)

NAME OF MINE																		
Mine Accident or Dangerous Occurrence Number	YEAR				ACC /DO REF NO				SHAFT									
	Y	Y	Y	Y	N	N	N	N	S	S	S	S						
Date of accident or dangerous occurrence (use YYYY/MM/DD format)										Y	Y	Y	Y	M	M	D	D	
REGIONAL ACCIDENT OR DANGEROUS OCCURRENCE NUMBER										Y	Y	Y	Y	R	N	N	N	I

<b>SECTION E: EMPLOYEE'S DETAILS</b>																	
<b>NOTE: THIS SECTION NEED NOT BE COMPLETED FOR A DANGEROUS OCCURRENCE</b>																	
1. SURNAME																	
2. FULL FIRST NAMES																	
3. INDUSTRY NUMBER																	
4. PF/COMPANY NUMBER																	
5. IDENTITY/PASSPORT NUMBER																	
6. DATE OF BIRTH (USE YYYYMMDD FORMAT)										Y	Y	Y	Y	M	M	D	D
7. COUNTRY OF ORIGIN																	
8. POPULATION GROUP										01	02	03	04				
9. WAS THE INJURED A PERMANENT EMPLOYEE ("E"), A CONTRACTOR ("C") OR A CASUAL ("T")?										E	C	T					
10. NAME OF CONTRACTING COMPANY (IF APPLICABLE)																	
11. MALE OR FEMALE										M	F						
12. NORMAL OCCUPATION AT TIME OF ACCIDENT																	
13. TOTAL EXPERIENCE IN CURRENT OCCUPATION										Y	Y	M	M				
14. WAS INJURED CARRYING OUT NORMAL DUTIES AT TIME OF ACCIDENT?										Y	N						
15. DATE FIRST EMPLOYED WITH CURRENT EMPLOYER (USE YYYYMMDD FORMAT)										Y	Y	Y	Y	M	M	D	D
16. DATE LAST SHIFT WORKED (USE YYYYMMDD FORMAT)										Y	Y	Y	Y	M	M	D	D
17. DATE RESUMED WORK (USE YYYYMMDD FORMAT)										Y	Y	Y	Y	M	M	D	D
18. IF FATAL, DATE OF DEATH (USE YYYYMMDD FORMAT)										Y	Y	Y	Y	M	M	D	D
<b>Section f: injury details</b>																	
<b>This section need not be completed for a dangerous occurrence accident</b>																	
1. TASK: (PERSON INJURED OR KILLED WHILE PERFORMING)																	
2. ACTIVITY: (INJURED OR KILLED WHILE...)																	
3. NATURE OF INJURY																	
4. PART OF BODY INJURED																	
5. TYPE OF ACCIDENT OF INDIVIDUAL FATAL (F), TOTALLY DISABLING (T), INJURY (I)										F	T	I					
6. ALLOCATED DAYS LOST (TO BE COMPLETED BY DME)																	

# APPENDIX 3

## ADDENDUM ON ROCKBURST AND FALL OF GROUND ACCIDENTS (SAMRASS 3)

**DEPARTMENT OF MINERALS AND ENERGY**  
*Minerals and Energy for Development and Prosperity*

<b>A. DETAILS OF MINE</b>														
MINE NAME														
MINE'S ACCIDENT NUMBER			Y			Y			Y			shaft no.		
ACTIVITY														
DATE OF ACCIDENT			Y		Y	/		M		M	/	D		D
CAUSE OF ACCIDENT														
DEPTH BELOW SURFACE (m)														
MINING METHOD														
<b>B. DETAILS OF ACCIDENT</b>														
<b>B.1. LOCATION</b>														
DESCRIPTION OF WORKING PLACE														
DISTANCE FROM FACE (m)														
DISTANCE FROM PANEL BOTTOM STRIKE GULLY (m)														
DIMENSIONS OF STOPE	STRIKE SPAN (m)							DIP SP/ (m)				STO G (m)		
DIMENSIONS OF OTHER EXCAVATIONS	HEIGHT (m)							WIDTH (m)				LENGTH		
DISTANCE FROM REEF (m)														
<b>B.2. SITE DESCRIPTION</b>														
QUALITY OF EXCAVATION:														
<b>B.3. TEMPORARY SUPPORT</b>														
<b>B.3.1. ACCORDING TO CODE OF PRACTICE</b>														
TYPE OF SUPPORT														
SIZE OF SUPPORT (m)														
SPACING OF SUPPORT (m)														
ROWS OF SUPPORT														
DISTANCE FROM FACE (m)														
<b>B.3.2. OBSERVED AFTER ACCIDENT</b>														
TYPE OF SUPPORT														
SIZE OF SUPPORT (m)														

SPACING OF SUPPORT (m)									
ROWS OF SUPPORT									
DISTANCE FROM FACE (m)									

**B.4. PERMANENT SUPPORT**

**B.4.1. ACCORDING TO CODE OF PRACTICE**

TYPE OF SUPPORT									
SIZE OF SUPPORT (m)									
SPACING OF SUPPORT (m)									
DISTANCE FROM FACE (m)									

**B.4.2. OBSERVED AFTER ACCIDENT**

TYPE OF SUPPORT									
SIZE OF SUPPORT (m)									
SPACING OF SUPPORT (m)									
DISTANCE FROM FACE (m)									

**B.5. REGIONAL SUPPORT**

**B.5.1. ACCORDING TO CODE OF PRACTICE**

TYPE OF SUPPORT									
SIZE OF SUPPORT (m)									
SPACING OF SUPPORT (m)									

**B.5.2. OBSERVED AFTER ACCIDENT**

TYPE OF SUPPORT									
SIZE OF SUPPORT (m)									
SPACING OF SUPPORT (m)									

COMMENTS ON SUPPORT:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

COMMENTS ON EFFECTIVE USE:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**B.6. INSTRUMENTATION**

INSTRUMENT	CODE	WARNING SIGNAL	
		YES	NO
		YES	NO
		YES	NO
		YES	NO
		YES	NO
		YES	NO

										YES	NO						
<b>B.7. GEOLOGICAL DETAILS</b>																	
REEF BEING MINED				CODE:				DESCRIPTION:									
						ROCK TYPE	CODE	U.C.S. STRENGTH									
IMMEDIATE HANGING WALL						MPa											
IMMEDIATE FOOTWALL						Mpa											
REEF/ORE						MPa											
RELEVANT GEOLOGICAL STRUCTURE																	
SHORTEST DISTANCE FROM SCENE TO DISTURBENCE (m)																	
COMMENT ON DISTANCE:																	
MEASURED OR ESTIMATED FIELD STRESS STATE																	
INDUCED FRACTURES																	
<b>B.8. FALL OF GROUND</b>																	
DIMENSIONS OF FALL				HEIGHT (m)					WIDTH (m)					LENGTH			
BOUNDARIES OF FALL																	
<b>B.9. ROCKBURST</b>																	
TOTAL SIZE OF AFFECTED AREA (m <sup>2</sup> )				ESTIMATED MAXIMUM CLOSURE													
<b>B.9.1 EXTENT OF DAMAGE</b>																	
HANGING WALL DAMAGE (m <sup>2</sup> )																	
FOOTWALL DAMAGE (m <sup>2</sup> )																	
SIDEWALL DAMAGE (m <sup>2</sup> )																	
ROOF SUPPORT UNITS DAMAGED																	
SUSPECTED BURSTING MECHANISM																	
SUSPECTED MECHANISM BASED ON																	
DISTANCE BETWEEN HYPOCENTRE AND ROCKBURST DAMAGE (m)																	
<b>B.10. GENERAL MINE LAYOUT</b>																	
MINE LAYOUT										CODE		CONTRIBUTE					
												YES	NO				
												YES	NO				
												YES	NO				
												YES	NO				
												YES	NO				
												YES	NO				
<b>C. SEISMIC EVENT DETAIL</b>																	
REFERENCE NUMBER																	
HYPOCENTRE (m)				X	Y	Z											
LOCATION ERROR (m)								LOCATION MAGNITUDE									
TIME				H	H	M	M	SEISMIC MOMENT (Nm)									
ENERGY RADIATED: P-WAVE (J)								ENERGY RADIATED: S-WAVE (J)									
SOURCE RADIUS (m)								CORNER FREQUENCY (Hz)									

STATIC STRESS DROP (MPa)				DYNAMIC STRESS DROP (Mpa)							
PEAK ACCELERATION (g)				PEAK VELOCITY (cm/sec)							
DISPLACEMENT (cm)				DURATION (sec)							
<b>C.1. SEISMIC MOMENT RELEASED</b>				1 WEEK		1 MONTH		AVERAGE			
PER 1m OF FACE ADVANCE (Nm/m)											
PER 1t OF ROCK OUTPUT WITHIN 300m RADIUS											
<b>D. SEISMIC HISTORY</b>											
WITHIN 300m RADIUS OF SENE OF THE ACCIDENT					MAGNITUDE						
HISTORY DETIAL			< 0		0 - 1		1 - 2		> 2		TOTAL
1 Day before Accident	1. NUMBER OF SEISMIC EVENTS										
	2. ENERGY RELEASED: P-WAVE (J)										
	3. S-WAVE (J)										
	4. SEISMIC MOMENT RELEASED (Nm)										
	5. STATIC STRESS DROP (MPa)										
	6. MAX. ENERGY INDEX (E-obs/E-expec)										
1 Week before Accident	1. NUMBER OS SEISMIC EVENTS										
	2. ENERGY RELEASED: P-WAVE (J)										
	3. S-WAVE (J)										
	4. SEISMIC MOMENT RELEASED (Nm)										
	5. STATIC STRESS DROP (MPa)										
	6. MAX. ENERGY INDEX (E-obs/E-expec)										
6 Months before Accident	1. NUMBER OS SEISMIC EVENTS										
	2. ENERGY RELEASED: P-WAVE (J)										
	3. S-WAVE (J)										
	4. SEISMIC MOMENT RELEASED (Nm)										
	5. STATIC STRESS DROP (MPa)										
	6. MAX. ENERGY INDEX (E-obs/E-expec)										
<b>D.1. BEFORE ACCIDENT</b>											
1 WEEK				1 MONTH				AVERAGE FOR LAST 6 MONTHS			
<b>E. COMPLETED BY</b>											
NAME		SIGNATURE		DATE							
DESIGNATION		MANAGER'S SIGNATURE		DATE							



**APPENDIX 5  
ADDENDUM ON EXPLOSIVES**

**(SAMRASS 5)**

**DEPARTMENT OF MINERALS AND ENERGY**  
*Minerals and Energy for Development and Prosperity*

Complete a form for each accident involving explosives and attach this to form SAMRASS 1

REGIONAL ACCIDENT OR DANGEROUS OCCURENCE NO	Y	Y	Y	Y	R	N	N	N	N	I
---	---	---	---	---	---	---	---	---	---	---

MINE NAME												
MINE'S ACCIDENT OR DANGEROUS OCCURENCE NUMBER	Y	Y	Y	Y	N	N	N	N	shaft no.			
TYPE OF EXPLOSIVES												
SUPPLIER OF EXPLOSIVES												
RELATIVE ENERGY												
DETONATION												
TYPE OF DETONATOR												
SUPPLIER OF DETONATOR												
TYPE OF FUSE												
SUPPLIER OF FUSE												
PRIMER CARTRIDGE												
LENGTH OF CARTRIDGE (mm)												
DIAMETER OF CARTRIDGE (mm)												
DIAMETER OF SHOTHOLE												
METHOD USED TO DETECT MISFIRES												
EXPERIENCE OF MINER									Y	Y	M	M
CAUSE OF EXPLOSION												



**APPENDIX 6  
ADDENDUM ON FIRES**

**(SAMRASS 6)**

**DEPARTMENT OF MINERALS AND ENERGY  
Minerals and Energy for Development and Prosperity**

REGIONAL ACCIDENT OR DANGEROUS OCCURRENCE NO	Y	Y	Y	Y	R	N	N	N	N	I
---	---	---	---	---	---	---	---	---	---	---

MINE NAME															
MINE'S ACCIDENT OR DANGEROUS OCCURENCE NUMBER		Y	Y	Y	Y	N	N	N	N	shaft no.					
DATE FIRE DETECTED		Y	Y	Y	Y	M	M	D	D						
TIME FIRE DETECTED								H	H	:	M	M			
BY WHOM DETECTED															
OCCUPATION OF PERSON															
WHAT BURNT?															
NUMBER OF PROTO TEAMS CALLED OUT															
NUMBER OF PROTOTEAMS SENT UNDERGROUND															
SEALED OFF												YES	NO		
TIME TAKEN								D	D	:	H	H	:	M	M
INDIRECT COST															
DIRECT COST															
LOSS IN PRODUCTION (Time)															
REPORTABLE CASUALTIES	KILLED						DISABLED						INJURED		
DID CODE OF PRACTICE CATER FOR PREVENTION OF FIRE?												YES	NO		
WAS THERE ANY NEGLIGENCE?												YES	NO		
WERE PERSONS ENDANGERED?												YES	NO		
WERE SELF RESCUERS USED?												YES	NO		
IS PROSECUTION ENVISAGED?												YES	NO		
IOM SIGNATURE: .....											DATE: .....				

**APPENDIX 7**

**ADDENDUM ON SUBSIDENCES IN COAL MINES**

**(SAMRASS 7)**

**DEPARTMENT OF MINERALS AND ENERGY**

Minerals and Energy for Development and Prosperity

REGIONAL ACCIDENT OR DANGEROUS OCCURRENCE NO	Y	Y	Y	Y	R	N	N	N	N	I
---	---	---	---	---	---	---	---	---	---	---

Complete a form for each subsidence and attach this to SAMRASS 1 Form

MINE NAME											
MINE'S ACCIDENT OR DANGEROUS OCCURENCE NUMBER	Y	Y	Y	Y	N	N	N	st	st		
DATE DETECTED	Y	Y	/	M	M	/	D	D			
MINING METHOD											
MAXIMUM DEPTH OF SUBSIDENCE (m)											
VENTILATION PLAN GRID REFERENCE											
INFLUENCE ON UNDERGROUND WORKINGS											
MINING PARAMETERS:	PLANNED MINING PARAMETERS:				ACTUAL MINING PARAMETERS:						
ROAD WIDTH:											
MINING HEIGHT (m)											
PILLAR CENTRES(m)											
PILLAR SIZE(m)											
BARRIER PILLAR(m)											
SAFETY FACTOR											
PANEL WIDTH(m)											
PANEL ROADS											
% OVERMINED											
GEOLOGY											
SEAM											
INFLUENCE ON STRUCTURES											
ACTION TO BE TAKEN											
IOM SIGNATURE: .....						DATE: .....					

# APPENDIX 8

## ADDENDUM ON HEAT STROKE/HEAT EXHAUSTION

(SAMRASS 8)

DEPARTMENT OF MINERALS AND ENERGY  
Minerals and Energy for Development and Prosperity

REGIONAL ACCIDENT OR DANGEROUS OCCURRENCE NO	Y	Y	Y	Y	R	N	N	N	N	I
---	---	---	---	---	---	---	---	---	---	---

A. PERSONAL DETAILS																			
NAME OF MINE																			
MINE'S ACCIDENT OR D\ OCCURENCE NUMBER										Y	Y	Y	Y	N	N			shaft no.	
SURNAME						FIRST NAME													
OCCUPATION						LENGTH OF TIME WORKED IN AREA						H	H	:	M	M	:	S	S
B. EXPERIENCE (OTHER MINES)																			
MINE				PERIOD WORKED				OCCUPATION											
	Y	Y	/	M	M														
	Y	Y	/	M	M														
	Y	Y	/	M	M														
C. HEAT STRESS ACCLIMATIZATION																			
METHOD OF ACCLIMATIZATION ON MINE																			
WAS ACCLIMATIZATION PERIOD EVADED IN ANY WAY?											YES	NO							
ACCLIMATIZATION DETAILS																			
DETAILS REGARDING DATES, TEMPERATURE AND MASS RESPONSES DURING THE ACCLIMATIZATION PROCEDURE, TO BE OBTAINED FROM THE ACCLIMATIZATION CENTRE						TIME TAKEN				TEMPERATURE									
						H	H	:	M	M									
						H	H	:	M	M									
						H	H	:	M	M									
						H	H	:	M	M									
D. SYMPTOMS, ETC																			
SIGN OF ILLNESS											YES	NO							
LENGTH OF TIME WORKED BEFORE COLLAPSE											H	H	:	M	M				
APPEARANCE NORMAL											YES	NO							
SIGN OF FATIGUE											YES	NO							
DRINKING WATER AVAILABLE											YES	NO							
WATER DRUNK											YES	NO							
SIGN OF COLLAPSE																			
SWEATING											YES	NO							
DAY OF COLLAPSE (1 - MONDAY, 2 - TUESDAY, 3 - WEDNESDAY, 4 - THURSDAY, 5 - FRIDAY, 6 - SATURDAY, 7 - SUNDAY)																			
E. TREATMENT																			
DATE TAKEN						TIME TAKEN				TEMPERATURE									
Y	Y	/	M	M	/	D	D	H	H	:	M	M							
Y	Y	/	M	M	/	D	D	H	H	:	M	M							
Y	Y	/	M	M	/	D	D	H	H	:	M	M							
F. WORKING AREA																			
WET KATA READING																			
WET BULB READING																			
DRY BULB READING																			
AVERAGE WET BULB READING																			
AVERAGE DRY BULB READING																			
AIR QUANTITY																			
AIR VELOCITY																			
AVERAGE QUANTITY																			
AVERAGE VELOCITY																			
MEANS OF VENTILATION																			



**APPENDIX 10****EXPLANATION OF MISCO CODES.**

The fundamental principle on which the MISCO Coding System is based, is that the **type** and **level** of skill of each occupation are cross-tabulated and expressed as two parts of a digital code, rather like longitude and latitude on a map. The **type** of skill is expressed in five digits, and the **level** of skill in two.

**Type of skill:**

The type of skill consists of a variety of disciplines, each embodying a common core skill. Each discipline has been progressively sub-divided into:

Disciplines	(1 digit)
Sub-disciplines	(2 digits)
Occupations	(2 digits)

**Level:**

The level of skill is defined in terms of the Paterson job grading system, which is well known in the mining industry.

**01 Type of skill**

Disciplines	(1 digit)
Sub-disciplines	(2 digits)
Occupations	(2 digits)

**01(a) Disciplines**

All disciplines have been divided into ten broad disciplines.

The basic logic is that an individual is classified according to his major activity e.g. a general manager of a mine who is a qualified mining engineer is classified as a general manager.

\* *It should be noted that the relationship between jobs does not necessarily conform to the reporting structure within an organisation.*

**1. Generalists**

- Generalists such as top management who oversee multiple disciplines, e.g. Company Chairmen, Chief Executives and Mine Managers;
- general labourers e.g. pool gang workers who have no special skill.

**2. Administration and Finance**

- Includes all administrative occupations such as dealing with accounts, finance, statutory obligations, stores and administration-related occupations such as secretaries, typists, receptionists, postage and telephone switchboard workers and duplicating;
- **clerks** : to be classified under the discipline in which they do clerical work, e.g. accounts clerks to be classified under accounts;
- **general clerks**: classified under Administration: Clerk (General) (n.e.c).

**3. Mining production**

- Occupations directly related to obtaining ore from the earth by whatever method, underground mining, opencast mining or pumping or dredging from the seabed;
- transportation to the processing plant.

**4. Reduction, beneficiation, manufacturing**

- All occupations involved in the treatment of ore to extract the desired mineral;

- the processing and production of the final product e.g. gold bars, uranium oxide, acid graded coal, waste, etc.;
- manufacturing activities.

**5. Engineering support**

All supporting engineering activities in support of the production process.

**6. Scientific and technical support**

- Scientific and technical service occupations not classified above;
- geological exploration, surveying, assaying, information services, safety/loss control, environmental engineering.

**7. Humanities**

Non-scientific occupations such as personnel, industrial relations, law and public relations.

**8. Medical and Health Care**

All occupations relating to medicine and health care.

**9. Services**

Security, rescue, fire-fighting, accommodation, catering, personal care and transport.

**10. Agriculture**

- All occupations involved in growing things from the land;
- Land rehabilitation, forestry, other crops, livestock including wild game.

**1(b). Sub-disciplines**

Each discipline has been split into **sub-disciplines** using a two-digit code.

**1(c) Reserved codes**

00	Management
92	Project managers/officers
93	Students
94	Draughtsmen and related
95	Clerks
96	Consultants
97	Researchers
98	Trainers
99	Unclassified

**APPENDIX 11****ALLOCATED DAYS LOST****NATURE OF INJURY**

*In some cases the injured person suffers different types of injuries to different body parts. In such cases the injury resulting in the most days lost must be used, unless it can be classified as multiple to the whole body.*

A	Amputation
B	Abrasion
C	Burn (flame)
D	Burn (chemical)
E	Burn (steam/hot substance)
F	Concussion
G	Crushing (injury)
H	Contusion bruise
I	Dislocation
J	Drowning
K	Dermatitis
L	Burn (electric)
M	Fracture
N	Foreign body/splinter
P	Gassing
Q	Heat exhaustion
R	Heat stroke
S	Hernia
T	Laceration
U	Multiple injury
V	Poisoning
W	Puncture
X	Asphyxiation
Z	Other
Y	Sprain/strain
AB	Blindness

**PART OF BODY INJURED****Head/face and neck**

1	Skull and scalp (occipital, frontal, maxilla)
2	Ear (malleus, otitis, barotrauma)
3	Eyes and orbit (eye socket) <b>Note: where blindness results, use code AB in Nature of Injury (ITEM 3) i.e. AB03= 6000 days lost</b>
4	Nose and sinuses
5	Face (upper jaw, zygoma (cheekbone))
6	Lower jaw (teeth, mandible(lower jaw), ramus)
7	Neck (throat)
9	Multiple injuries to head, face and neck
60	Brain

**Trunk**

10	Thorax (chest - excluding spinal region)
11	Thoracic (chest, spinal region, lungs, sternum, ribs)
12	Abdomen (including lumbar spine, back, vertebrae)
13	Anterior abdominal wall
14	Pelvic girdle (sacrum, coccyx, buttocks, hip)
15	External genital area (scrotum)

- 18 Other (specify)
- 19 Multiple injuries to trunk
- 20 Scapula (shoulder blade)
- 21 Collar bone (clavicle)
- 22 Shoulder (acromion)

### **Arms and hands**

- 23 Forearm (ulna, radius, extensor (muscle), indicis)
- 24 Elbow
- 25 Arm
- 26 Both arms
- 29 Multiple injuries to one arm only
- 30 Wrist (scaphoid, flexor, carpus (muscle), colles)
- 31 Palm (thenar)
- 32 Back of hand (including metacarpal bones, dorsum)
- 33 Thumb
- 34 Single finger
- 35 Thumb plus one or more fingers
- 36 Two or more fingers (excluding thumb)
- 37 Both hands injured
- 39 Multiple injuries to one hand (hand general)

### **Legs and feet**

- 40 Thigh (femur)
- 41 Knee joint (including patella)
- 42 Leg injured below the knee (fibula, tibia, shin)
- 43 Ankle (cuneiform, calcaneus, talus, cuboid, heel)
- 44 Foot (including toes)
- 45 Foot (excluding toes), metatarsal
- 46 Toes (one or more)
- 47 Whole of lower limb (whole leg)
- 48 Both feet
- 49 Both lower limbs (legs)

### **Multiple**

- 50 Multiple injuries to head, face, neck and trunk
- 51 Multiple injuries to head, face, neck and limbs
- 52 Multiple injuries to the entire body
- 53 Multiple injuries to the trunk and upper limb(s)
- 54 Multiple injuries to the trunk and lower limb(s)
- 55 Multiple injuries to the upper and lower limb(s)
- 56 Multiple injuries to the trunk, lower limbs and upper limbs
- 99 UNSPECIFIED



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The allocated days lost must be completed according to the nature of injury and body part injured, as reflected in the table in Appendix 9, e.g. a fracture (M) to the leg (42) is attributed 160 days lost.

A02 = 600	B01 = 31	C01 = 14	D01 = 14	E01 = 14	F60 = 51	G01 = 152	H01 = 31	I01 = 24
A04 = 600	B02 = 31	C02 = 14	D02 = 14	E02 = 14		G02 = 152	H02 = 31	I03 = 1800
A09 = 6000	B03 = 22	C03 = 48	D03 = 48	E03 = 48		G03 = 1800	H03 = 22	I04 = 24
A15 = 600	B04 = 31	C04 = 14	D04 = 14	E04 = 14		G04 = 152	H04 = 31	I05 = 24
A22 = 5000	B05 = 31	C05 = 14	D05 = 14	E05 = 14		G05 = 152	H05 = 31	I06 = 24
A23 = 3600	B06 = 31	C06 = 14	D06 = 14	E06 = 14		G06 = 152	H06 = 31	I07 = 24
A24 = 3600	B07 = 31	C07 = 14	D07 = 14	E07 = 14		G07 = 152	H07 = 31	I09 = 24
A25 = 4500	B09 = 31	C09 = 14	D09 = 14	E09 = 14		G09 = 152	H09 = 31	I11 = 27
A30 = 3000	B10 = 14	C10 = 14	D10 = 14	E10 = 14		G10 = 22	H10 = 14	I12 = 151
A33 = 600	B11 = 16	C11 = 21	D11 = 21	E11 = 21		G11 = 62	H11 = 16	I14 = 31
A34 = 300	B12 = 86	C12 = 21	D12 = 21	E12 = 21		G12 = 374	H12 = 86	I18 = 60
A35 = 1500	B13 = 16	C13 = 22	D13 = 22	E13 = 22		G13 = 200	H13 = 16	I19 = 60
A36 = 1200	B14 = 19	C14 = 21	D14 = 21	E14 = 21		G14 = 469	H14 = 19	I21 = 60
A37 = 6000	B15 = 16	C15 = 22	D15 = 22	E15 = 22		G15 = 200	H15 = 16	I22 = 266
A39 = 3000	B18 = 31	C18 = 48	D18 = 48	E18 = 48		G18 = 186	H18 = 31	I23 = 14
A40 = 4500	B19 = 31	C19 = 48	D19 = 48	E19 = 48		G19 = 186	H19 = 31	I24 = 16
A41 = 3000	B20 = 16	C20 = 21	D20 = 21	E20 = 21		G20 = 62	H20 = 16	I25 = 16
A42 = 2400	B21 = 31	C21 = 48	D21 = 48	E21 = 48		G21 = 186	H21 = 31	I26 = 266
A43 = 2400	B22 = 15	C22 = 16	D22 = 16	E22 = 16		G22 = 269	H22 = 15	I29 = 266
A44 = 2400	B23 = 14	C23 = 14	D23 = 14	E23 = 14		G23 = 127	H23 = 14	I30 = 14
A46 = 300	B24 = 14	C24 = 651	D24 = 651	E24 = 651		G24 = 246	H24 = 14	I32 = 16
A47 = 3000	B25 = 14	C25 = 651	D25 = 651	E25 = 651		G25 = 246	H25 = 14	I33 = 16
A48 = 6000	B26 = 15	C26 = 651	D26 = 651	E26 = 651		G26 = 269	H26 = 15	I34 = 16
A49 = 6000	B29 = 15	C29 = 651	D29 = 651	E29 = 651		G29 = 269	H29 = 15	I35 = 16
A53 = 6000	B30 = 14	C30 = 14	D30 = 14	E30 = 14		G30 = 127	H30 = 14	I36 = 16
A54 = 6000	B31 = 14	C31 = 86	D31 = 86	E31 = 86		G31 = 63	H31 = 14	I37 = 16
A55 = 6000	B32 = 14	C32 = 86	D32 = 86	E32 = 86		G32 = 63	H32 = 14	I39 = 16
A56 = 6000	B33 = 14	C33 = 86	D33 = 86	E33 = 86		G33 = 63	H33 = 14	I40 = 31
A99 = 1000	B34 = 14	C34 = 86	D34 = 86	E34 = 86		G34 = 63	H34 = 14	I41 = 31
<b>AB03=6000</b>	B35 = 14	C35 = 86	D35 = 86	E35 = 86		G35 = 63	H35 = 14	I43 = 83
	B36 = 14	C36 = 86	D36 = 86	E36 = 86		G36 = 63	H36 = 14	I44 = 14
	B37 = 14	C37 = 86	D37 = 86	E37 = 86		G37 = 63	H37 = 14	I45 = 14
	B39 = 14	C39 = 86	D39 = 86	E39 = 86		G39 = 63	H39 = 14	I46 = 14
	B40 = 14	C40 = 14	D40 = 14	E40 = 14		G40 = 469	H40 = 14	I48 = 14
	B41 = 14	C41 = 14	D41 = 14	E41 = 14		G41 = 469	H41 = 14	I99 = 103
	B42 = 14	C42 = 25	D42 = 25	E42 = 25		G42 = 160	H42 = 14	
	B43 = 14	C43 = 25	D43 = 25	E43 = 25		G43 = 160	H43 = 14	
	B44 = 14	C44 = 17	D44 = 17	E44 = 17		G44 = 50	H44 = 14	
	B45 = 14	C45 = 17	D45 = 17	E45 = 17		G45 = 50	H45 = 14	
	B46 = 14	C46 = 17	D46 = 17	E46 = 17		G46 = 50	H46 = 14	
	B47 = 17	C47 = 25	D47 = 25	E47 = 25		G47 = 469	H47 = 17	
	B48 = 14	C48 = 17	D48 = 17	E48 = 17		G48 = 50	H48 = 14	
	B49 = 17	C49 = 25	D49 = 25	E49 = 25		G49 = 469	H49 = 17	
	B50 = 31	C50 = 48	D50 = 48	E50 = 48		G50 = 186	H50 = 31	
	B51 = 31	C51 = 651	D51 = 651	E51 = 651		G51 = 469	H51 = 31	
	B52 = 31	C52 = 651	D52 = 651	E52 = 651		G52 = 469	H52 = 31	
	B53 = 31	C53 = 651	D53 = 651	E53 = 651		G53 = 269	H53 = 31	

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B55 = 17 C54 = 48 D54 = 48 E54 = 48  
B56 = 31 C55 = 651 D55 = 651 E55 = 651  
B60 = 152 C56 = 651 D56 = 651 E56 = 651  
B99 = 20 C99 = 82 D99 = 82 E99 = 82

G54 = 469 H54 = 31  
G55 = 469 H55 = 17  
G56 = 469 H56 = 31  
G60 = 152 H60 = 51  
G99 = 583 H99 = 20

J99 = 6000 K01 = 50 L01 = 14 M01 = 152 N01 = 14 P99 = 500 Q99 = 30 R99 = 2000 S10 = 39  
K02 = 50 L02 = 14 M02 = 152 N02 = 14 S11 = 39  
K03 = 50 L03 = 48 M03 = 1800 N03 = 191 S12 = 39  
K04 = 50 L04 = 14 M04 = 152 N04 = 14 S13 = 39  
K05 = 50 L05 = 14 M05 = 152 N05 = 14 S15 = 39  
K06 = 50 L06 = 14 M06 = 152 N06 = 14 S18 = 39  
K07 = 50 L07 = 14 M07 = 152 N07 = 14 S19 = 411  
K09 = 50 L09 = 14 M09 = 152 N09 = 14 S60 = 152  
K10 = 50 L10 = 14 M10 = 22 N10 = 17  
K11 = 50 L11 = 21 M11 = 62 N11 = 17  
K12 = 50 L12 = 21 M12 = 374 N12 = 16  
K13 = 50 L13 = 22 M14 = 469 N13 = 175  
K14 = 50 L14 = 21 M18 = 186 N14 = 23  
K15 = 50 L15 = 22 M19 = 186 N15 = 175  
K18 = 50 L18 = 48 M20 = 62 N18 = 14  
K19 = 50 L19 = 48 M21 = 186 N19 = 14  
K20 = 50 L20 = 21 M22 = 269 N20 = 14  
K21 = 50 L21 = 48 M23 = 127 N21 = 14  
K22 = 50 L22 = 16 M24 = 246 N22 = 23  
K23 = 50 L23 = 14 M25 = 246 N23 = 14  
K24 = 50 L24 = 651 M26 = 269 N24 = 14  
K25 = 50 L25 = 651 M29 = 269 N25 = 14  
K26 = 50 L26 = 651 M30 = 127 N26 = 23  
K29 = 50 L29 = 651 M31 = 63 N29 = 23  
K30 = 50 L30 = 14 M32 = 63 N30 = 14  
K31 = 50 L31 = 86 M33 = 63 N31 = 17  
K32 = 50 L32 = 86 M34 = 63 N32 = 17  
K33 = 50 L33 = 86 M35 = 63 N33 = 17  
K34 = 50 L34 = 86 M36 = 63 N34 = 17  
K35 = 50 L35 = 86 M37 = 63 N35 = 17  
K36 = 50 L36 = 86 M39 = 63 N36 = 17  
K37 = 50 L37 = 86 M40 = 469 N37 = 17  
K39 = 50 L39 = 86 M41 = 469 N39 = 17  
K40 = 50 L40 = 14 **M42 = 160** N40 = 23  
K41 = 50 L41 = 14 M43 = 160 N41 = 23  
K42 = 50 L42 = 25 M44 = 50 N42 = 14  
K43 = 50 L43 = 25 M45 = 50 N43 = 14  
K44 = 50 L44 = 17 M46 = 50 N44 = 14  
K45 = 50 L45 = 17 M47 = 469 N45 = 14  
K46 = 50 L46 = 17 M48 = 50 N46 = 14  
K47 = 50 L47 = 25 M49 = 469 N47 = 23  
K48 = 50 L48 = 17 M50 = 186 N48 = 14  
K49 = 50 L49 = 25 M51 = 469 N49 = 23  
K50 = 50 L50 = 48 M52 = 469 N50 = 14  
K51 = 50 L51 = 651 M53 = 269 N51 = 23  
K52 = 50 L52 = 651 M54 = 469 N52 = 23  
K53 = 50 L53 = 651 M55 = 469 N53 = 23

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K54 = 50	L54 = 48	M56 = 469	N54 = 23			
K55 = 50	L55 = 651	M99 = 583	N55 = 23			
K56 = 50	L56 = 651		N56 = 23			
K99 = 50	L99 = 82		N60 = 51			
			N99 = 14			
T01 = 14	U01 = 152	V99 = 50	W01 = 14	X99 = 6000	Y07 = 19	Z01 = 34
T02 = 14	U02 = 152		W02 = 14		Y09 = 19	Z02 = 34
T03 = 164	U03 = 1800		W03 = 191		Y10 = 14	Z03 = 42
T04 = 14	U04 = 152		W04 = 14		Y11 = 23	Z04 = 34
T05 = 14	U05 = 152		W05 = 14		Y12 = 82	Z05 = 34
T06 = 14	U06 = 152		W06 = 14		Y13 = 39	Z06 = 34
T07 = 14	U07 = 152		W07 = 14		Y14 = 23	Z07 = 34
T09 = 14	U09 = 152		W09 = 14		Y18 = 22	Z09 = 34
T10 = 306	U10 = 22		W10 = 17		Y19 = 22	Z10 = 14
T11 = 21	U11 = 62		W11 = 17		Y20 = 23	Z11 = 14
T12 = 21	U12 = 374		W12 = 16		Y21 = 22	Z12 = 56
T13 = 35	U13 = 200		W13 = 175		Y22 = 36	Z13 = 210
T14 = 22	U14 = 469		W14 = 23		Y23 = 18	Z14 = 128
T15 = 35	U15 = 200		W15 = 175		Y24 = 14	Z15 = 210
T18 = 14	U18 = 186		W18 = 14		Y25 = 14	Z18 = 14
T19 = 14	U19 = 186		W19 = 14		Y26 = 36	Z19 = 14
T22 = 14	U20 = 62		W20 = 14		Y29 = 36	Z20 = 14
T23 = 35	U21 = 186		W21 = 14		Y30 = 18	Z21 = 14
T24 = 16	U22 = 269		W22 = 23		Y31 = 15	Z22 = 18
T25 = 16	U23 = 127		W23 = 14		Y32 = 15	Z23 = 14
T26 = 16	U24 = 246		W24 = 14		Y33 = 15	Z24 = 14
T29 = 16	U25 = 246		W25 = 14		Y34 = 15	Z25 = 14
T30 = 35	U26 = 269		W26 = 23		Y35 = 15	Z26 = 18
T31 = 33	U29 = 269		W29 = 23		Y36 = 15	Z29 = 18
T32 = 33	U30 = 127		W30 = 14		Y37 = 15	Z30 = 14
T33 = 33	U31 = 63		W31 = 17		Y39 = 15	Z31 = 19
T34 = 33	U32 = 63		W32 = 17		Y40 = 17	Z32 = 19
T35 = 33	U33 = 63		W33 = 17		Y41 = 17	Z33 = 19
T36 = 33	U34 = 63		W34 = 17		Y42 = 14	Z34 = 19
T37 = 33	U35 = 63		W35 = 17		Y43 = 14	Z35 = 19
T39 = 33	U36 = 63		W36 = 17		Y44 = 18	Z36 = 19
T40 = 22	U37 = 63		W37 = 17		Y45 = 18	Z37 = 19
T41 = 22	U39 = 63		W39 = 17		Y46 = 18	Z39 = 19
T42 = 41	U40 = 469		W40 = 23		Y47 = 38	Z40 = 128
T43 = 41	U41 = 469		W41 = 23		Y48 = 18	Z41 = 128
T44 = 20	U42 = 160		W42 = 14		Y49 = 38	Z42 = 14
T45 = 20	U43 = 160		W43 = 14		Y50 = 22	Z43 = 14
T46 = 20	U44 = 50		W44 = 14		Y51 = 38	Z44 = 14
T47 = 41	U45 = 50		W45 = 14		Y52 = 38	Z45 = 14
T48 = 20	U46 = 50		W46 = 14		Y53 = 36	Z46 = 14
T49 = 41	U47 = 469		W47 = 23		Y54 = 38	Z47 = 128
T50 = 14	U48 = 50		W48 = 14		Y55 = 38	Z48 = 14
T51 = 41	U49 = 469		W49 = 23		Y56 = 38	Z49 = 128
T52 = 41	U50 = 186		W50 = 14		Y99 = 16	Z50 = 34
T53 = 35	U51 = 469		W51 = 23			Z51 = 128
T54 = 41	U52 = 469		W52 = 23			Z52 = 128
T55 = 41	U53 = 269		W53 = 23			Z53 = 18

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T56 = 41 U54 = 469  
T60 = 152 U55 = 469  
T99 = 14 U56 = 469  
U60 = 152  
U99 = 583

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W54 = 23  
W55 = 23  
W56 = 23  
W60 = 14  
W99 = 14

Z54 = 128  
Z55 = 128  
Z56 = 128  
Z60 = 51  
Z99 = 19

**APPENDIX 12 ALPHABETICAL CROSS REFERENCE: CLASS OF PLACE**

<b>Place</b>		<b>Code</b>
Acclimatisation area		021101
Acid plant		010911
Adit		020609
Agricultural land		010401
Assay laboratory		010501
At sea		050001
Backfill dams	Surface	011301
Backfill dams	Underground	020801
Bar		011001
Battery charging stations		021015
Berm		030101
Blacksmith shop	Surface	011601
Blacksmith shop	Underground	021001
Block caving/sub-level caving/sub-level stoping		020124
Boiler house/room		010601
Boilermaking or welding shop		011602
Boilermaking or welding shop		021002
Bord and pillar (Conventional)		020101
Bord and pillar (Continuous Haulage)		020102
Bord and pillar (Continuous Miner)		020103
Boxhole or orepass (Mineral Excavation)		020111
Boxhole or orepass (Mine Development)		020201
Boxhole or orepass (Shaft Area)		020601
Brick yard/dressing yard		011701
Carpenter shop	Surface	011603
Carpenter shop	Underground	021003
Centre gully		020112
Chairlift		020901
Change house		011101
Coal laboratory		010502
Compressed air plant		020401
Compressor house/room		010602
Concentrator		010912
Conveyor belt road (coal)		020902
Conveyor discharge point	Surface	011501
Conveyor discharge point	Underground	020903
Conveyor discharge point	Opencast	030201
Conveyor loading point	Surface	011502
Conveyor loading point	Underground	020904
Conveyor loading point	Opencast	030202
Conveyor transfer point	Surface	011503
Conveyor transfer point	Opencast	030203
Conveyor transfer point (belt to belt)	Underground	020905
Crosscut		020906
Crosscut or drawpoint crosscut		020202

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Crushing plant		010913
Cut and fill		020122
Dam or sump	Surface	011302
Dam or sump	Underground	020802
Dam reclamation		040101
Development or reef drive		020203
Drawpoint		011303
Dredges		050003
Dressing station		010701
Drill sharpening shop	Surface	011604
Drill sharpening shop	Underground	021004
Electrical reticulation network		020301
Electrical reticulation network e.g. overhead powerlines		010201
Electrical shop	Surface	011605
Electrical shop	Underground	021005
Endless rope haulage	Surface	011504
Endless rope haulage	Underground	020907
Explosives magazine	Surface	010301
Explosives store/magazine	Underground	020803
Fanhouse/chamber		010603
First aid station		020602
Fitting shop	Surface	011606
Fitting shop	Underground	021006
Foundry		011607
Garage (motor vehicles)	Surface	011608
Garage (motor vehicles)	Underground	021007
Gardens		010402
Goaf		020104
Haul road	Surface	011505
Haul road	Opencast	030204
Haul road/travelling Way	Underground	020908
Haulage (Mine Development)		020204
Haulage (Transport Systems)		020909
Headgear tipping point (vertical/inclined)		020701
Hoist chamber		020402
Hospital		010702
Hostel kitchens		010102
Hostels		010101
Hydraulic transfer		011506
Incline shaft bank area		020702
Incline shaft travelling way		020603
Inclined shaft		020703
Inclined shaft bank		011201
Inclined shaft headgear	Surface	011202
Inclined shaft headgear	Underground	020704
Inclined shaft loading box		020705
Issue room		010302
Lamproom		011102
Laundry		011103
Ledging stope		020113

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Loading box	Surface	011203
Loading box	Underground	020910
Loading station		020706
Loco shed or repair bay	Surface	011609
Loco shed or repair bay	Underground	021008
Longwall		020105
Maintenance/service bay		030301
Medical laboratories		010703
Milling plant		010914
Mono winch way		020911
Nursery		010403
Offices		010801
Open stopes		020123
Opencast		030102
Other		011702
Other workshops (not repair bays)	Surface	011610
Other workshops (not repair bays)	Underground	021013
Overland conveyor way	Surface	011507
Overland conveyor way	Opencast	030205
Paint shop		011611
Paint shop		021009
Personnel crush		011104
Pit bottom		030103
Playing fields		011002
Plumber shop	Surface	011612
Plumber shop	Underground	021010
Powerstation		010202
Pump station/chamber		010604
Pumpstation		020403
Pyro metallurgy (heating/smelting/roasting)		010915
Railway line	Surface	011508
Railway line	Underground	020912
Railway line		030206
Raise (incl. Poleway)		020205
Raise borer (shaft)		020707
Raisebore hole (excl. shafts)		020206
Refrigeration/chilled ice	Surface	010921
Refrigeration/chilled ice	Underground	020501
Refuelling bays		021014
Refuge chamber (Shaft Area)		020604
Refuge chamber (Other Areas)		021102
Rehabilitation area		010404
Residue deposition (ashfilling/backfilling)		020804
Return Airway (Mineral Excavation)		020110
Return Airway (Mine Development)		020207
Rib pillar		020106
Ringtunnel		020208
River mining		050002
Road		011509
Salvage yard/scrap yard		011304

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Screening		010916
Security department		010802
Service bay	Surface	011613
Service bay	Underground	021011
Sewerage		010922
Shaft station		020708
Shaft station tip		020605
Shortwall		020107
Siding	Surface	011510
Siding	Opencast	030207
Silo or bunker		011305
Sinking shaft		020709
Sinking shaft bank area		011204
Sinking shaft bank area		020710
Sinking shaft bottom		020711
Sinking shaft headgear		011205
Sinking shaft headgear		020712
Sinking shaft loading box		020713
Sinking shaft travelling way		020606
Sinking stage		020714
Slimes dam/residue deposit		011306
Smelter (platinum)		010917
Stockpiles		011307
Stooping		020108
Stope entrance/travelling way		020114
Stope reclamation area		020115
Stope worked out area		020117
Stope working face		020116
Store or store yard		011308
Stores		020805
Strike gully or cutting		020118
Substation	Surface	010203
Substation	Underground	020302
Surface working/processing		040102
Swimming pool		011003
Timber treatment plant		010923
Timber yard or treatment plant		011309
Tip		020119
Tips		021013
Tips/ore passes/chutes		030208
Training area		021103
Training centre		011401
Travelling road		020109
Travelling way (stope proper)		020120
Treatment plant including washing plants and grease tables		010918
Updip stope		020121
Vehicle maintenance	Surface	011614
Vehicle maintenance	Underground	021012
Vertical shaft		020715
Vertical shaft bank		011206



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Vertical shaft bank area		020716
Vertical shaft bottom		020717
Vertical shaft headgear		011207
Vertical shaft headgear		020718
Vertical shaft loading box		020719
Vertical shaft travelling way		020607
Village or married quarters		010103
Waiting place (Mineral Excavation)		020125
Waiting place (Shaft Area)		020608
Walkway		011511
Waste dump		011310
Water purification	Surface	010924
Water purification	Underground	020502
Winch engine room/chamber		010605
Winding engine room		010606
Winze		020209

**NUMERICAL INDEX FOR  
OCCUPATIONS**

<b>MISCO Code</b>	<b>O C C U P A T I O N</b>
00000	Chairman (group)
00000	Chief executive
00000	Executive director (n.e.c.)
00101	General manager (mine)
00101	Mine manager
00101	Offshore Installation manager (Ocean)
00102	General manager (company)
00199	General management (n.e.c.)
00200	Strategic planning management
00201	Strategic planning analyst
00295	Clerk (strategic planning)
00299	Strategic planning worker (n.e.c.)
09801	Pool gang worker
09992	Project manager/officer (general management n.e.c.)
09996	Consultant (general management n.e.c.)
09997	Researcher (general management n.e.c.)
09998	Trainer (general management n.e.c.)
09999	Unclassified occupation (unknown/no specific skill)
10000	Administrative/financial management (multi-disciplinary)
10000	Financial/administrative management (multi-disciplinary)
10001	Business management
10099	Administrative/financial management (n.e.c.)
10100	Auditing management
10101	Auditor (internal and external)
10102	Auditor (computer/systems)
10195	Clerk (auditing)
10199	Auditing worker (n.e.c.)
10200	Accounting/financial management
10200	Financial/accounting management
10201	Financial analyst
10202	Financial engineer
10203	Management accountant
10203	Systems accountant
10204	Financial accountant
10205	Cost accountant
10205	Cost controller
10205	Economy controller
10206	Accountant (n.e.c.)
10207	Credit controller
10208	Bookkeeper
10209	Cashier
10295	Clerk (accounts/finance)
10299	Accounting/financial worker (n.e.c.)
10300	Purchasing/stores management
10300	Stores/purchasing management
10310	Stores controller
10311	Standards officer
10312	Buyer/purchaser
10312	Purchaser/buyer

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10313	Receiver (stores)
10313	Stores receiver
10314	Storekeeper
10315	Inventory controller
10316	Issuer (stores, non-explosive)
10316	Stores issuer (non-explosive)
10317	Explosives issuer
10317	Issuer (explosives)
10317	Magazine master
10318	Yard supervisor
10319	Salvage yard aide
10320	Salvage and reclamation worker (surface)
10321	Yard worker (n.e.c.)
10395	Checker
10395	Clerk (stores)
10395	Weighbridge attendant
10399	Stores worker (n.e.c.)
10400	Payroll management
10401	Payroll controller
10402	Payroll administrator
10403	Timekeeper
10404	Paymaster
10495	Clerk (payrole/timekeeping)
10499	Payroll worker (n.e.c.)
10500	Insurance management
10510	Valuator
10511	Assessor
10595	Clerk (insurance)
10596	Insurance adviser
10599	Insurance worker (n.e.c.)
10600	Property/mining rights management
10601	Property broker
10602	Property/mining rights officer
10695	Clerk (property/mining rights)
10699	Property/mining rights worker (n.e.c.)
10700	Economics management
10701	Financial economist
10702	Economist (n.e.c.)
10703	Economics assistant
10795	Clerk (economics)
10799	Economics worker (n.e.c.)
10800	Marketing and sales management
10810	Marketing officer
10811	Sales representative
10812	Marketing assistant
10895	Clerk (marketing/sales)
10899	Marketing/sales worker (n.e.c.)
10900	Administration/secretarial management
10900	Company secretary (administrative)
10900	Mine secretary (administrative)
10900	Secretarial/administration management
10901	Corporate secretary (administrative)
10902	Hospital secretary
10903	Administrative officer
10904	Filing/records officer
10904	Records/filing officer
10905	Personal assistant/secretary
10905	Secretary/personal assistant
10906	Receptionist/typist/word processor operator
10906	Typist/word processor operator/receptionist

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10906	Word processor operator/typist/receptionist	
10907	Duplicator	
10995	Clerk (filing, general n.e.c.)	
10999	Secretarial/administrative worker (n.e.c.)	
11010	Messenger/postal worker	
11010	Postal worker/messenger	
11011	Telephonist	
11012	Radio operator	
11099	Telecommunications worker (n.e.c.)	
11100	Banking/investment management	
11110	Stockbroker	
11111	Share transfer officer	
11112	Securities officer	
11113	Money market dealer	
11114	Banking Officer	
11195	Clerk (banking/investment)	
11199	Banking/investment worker (n.e.c.)	
11295	Clerk (tax)	
11296	Consultant (tax)	
19910	Encoder	
19992	Project manager (administrative/financial n.e.c.)	
19993	Student (administrative/financial n.e.c.)	
19996	Consultant (administrative/financial n.e.c.)	
19998	Trainer (administrative/financial n.e.c.)	
19999	Administrative/financial/business worker (n.e.c.)	
20000	Consulting engineer (mining)	
20001	Production/section/underground manager	
20001	Section/production/underground manager	
20001	Underground/production/section manager	
20002	Mine overseer	516B
20099	Mine production management (n.e.c.)	
20100	Planning management (mining)	
20101	Mine planning/valuation engineer	
20102	Planning officer	
20103	Critical path scheduler	
20104	Planning observer	
20195	Clerk (mining planning)	
20199	Planning worker mining (n.e.c.)	
20201	Mining engineer (n.e.c.)	239A
20202	Learner official (mining)	
20210	Mining technician (n.e.c.)	
20211	Technical assistant (mining n.e.c.)	
20299	Conveyer worker (n.e.c.)	
20299	Mining technical worker (n.e.c.)	
20301	Shaft foreman	515A
20302	Shift boss	
20303	Developer	
20304	Stoper	
20305	General miner	513D
20305	Miner (general)	
20306	Blaster (supervisory)	
20307	Quarryman	
20308	Night shift cleaner	
20309	Learner miner	
20310	Development team leader/supervisor	
20311	Stope team leader/supervisor	
20312	Team leader/supervisor (other mining production)	
20312	Tool pusher (Ocean)	
20313	Deck leader (Ocean)	
20399	Mine production supervisor (n.e.c.)	

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20401	Drill rig operator (jumbo)	
20402	Driller: hand percussion/jackhammer	
20403	Driller: hand (coal)	
20404	Driller: opencast/large diameter	
20405	Spannerman/driller's assistant	
20406	Wireline operator (Ocean)	
20499	Drilling worker (n.e.c.)	
20501	Blaster: underground metal (non-supervisory)	
20502	Blaster: opencast/quarry (non-supervisory)	
20503	Blaster: surface works (e.g. smelter) (non-supervisory)	
20504	Miner's assistant (cheesa)	513A
20599	Blasting worker (n.e.c.)	
20601	Coal cutter operator	
20602	Continuous miner driver	879B
20603	Longwall sheerer operator	879K
20604	Coal auger operator	
20605	Coal plough operator	
20606	Raise/tunnel borer supervisor	
20607	Raise/tunnel borer operator	
20699	Mechanical rockbreaking worker (n.e.c.)	
20701	Development team worker	511C
20702	Stope team worker	
20703	Pit worker	
20799	Rock breaking worker (n.e.c.)	
20801	Hydraulic prop teamleader/supervisor	
20802	Hydraulic prop worker	
20803	Meshing and lacing team leader/supervisor	
20804	Meshing and lacing worker	
20804	Shotcrete worker	
20805	Backfill worker	
20806	Roof bolt machine operator	
20807	Roof bolt worker	
20899	Rock support worker (n.e.c.)	
20901	Scraper winch driver	
20902	Scraper winch bell operator	
20999	Scraping worker (n.e.c.)	
21001	Haulage team leader/supervisor	
21002	Loco driver (underground)	
21003	Loco guard (underground)	
21004	Loader driver (rail)	
21099	Haulage/underground rail transport worker (n.e.c.)	
21101	Dragline supervisor	
21101	Trackless machine team leader/supervisor	
21102	Dragline operator	
21103	Driver: bulldozer	
21104	Loader driver (trackless)	
21105	Shovel operator	
21106	Load haul dump driver	
21107	Self-propelled machine driver (n.e.c.)	
21108	Shuttlecar driver	879I
21109	Driver: haul truck (underground and opencast)	
21198	Trackless machine trainer (e.g. dragline)	
21199	Trackless machine worker (n.e.c.)	
21201	Conveyer belt team leader/supervisor	
21202	Conveyer belt attendant	857E
21301	Winding engine driver (licensed)	
21302	Hoist driver	818D
21303	Skipman	
21304	Banksman/onsetter	

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21304	Onsetter/banksman	519B
21305	Bell signaller	
21306	Lift operator	
21307	Chairlift operator	
21308	Monorail winch operator	
21309	Monorope winch operator	
21399	Hoisting worker (n.e.c.)	
21401	Grab operator	
21402	Stacker operator	
21403	Reeler	
21404	Box/orepass controller	
21404	Orepass/box controller	
21405	Tip team leader/supervisor	
21406	Aquajet operator	879L
21406	Tip worker	
21499	Mine transport worker (n.e.c.)	
21501	Shaft sinker	515B
21502	Shaft timberman/timberman	
21503	Shaft timberman worker	518D
21504	Equipper	
21504	Handyman (mining)	792C
21505	Pipes and tracks team leader/supervisor	
21506	Pipes and tracks worker	518B
21507	Air and water services team leader/supervisor	
21508	Air and water services worker	
21509	Stage worker	
21510	Mine construction team leader/supervisor (n.e.c.)	
21599	Mine construction worker (n.e.c.)	
21601	Cementation supervisor	
21602	Cementation driller/injector	
21699	Cementation worker (n.e.c.)	
21699	Cementers (Ocean)	
29901	Section leader	
29902	Supervisor's assistant (underground)	
29903	Sweeper/vamper	
29904	Stone packer	
29905	Lasher/loader (n.e.c.)	753D
29906	Drains cleaner	759A
29907	Salvage/reclamation worker (underground)	
29908	Day pusher (Ocean)	
29908	Night pusher (Ocean)	
29909	Assistant driller (Ocean)	
29909	Roughneck (Ocean)	
29910	Deck attendant (Ocean)	
29911	Diver (Ocean)	
29992	Project manager/officer (mining, n.e.c.)	
29993	Student (mining production n.e.c.)	
29994	Draughtsperson (mining production n.e.c.)	
29995	Clerk (mining) (n.e.c.)	
29996	Consultant (mining production n.e.c.)	
29997	Researcher (mining production n.e.c.)	
29998	Trainer (mining production n.e.c.)	
29999	Mine production worker (n.e.c.)	
30000	Metallurgical/plant management	
30001	Metallurgical/plant superintendent	
30002	Metallurgical/plant supervisor	
30003	Consulting metallurgist	
30099	Reduction/beneficiation/manufacturing management (n.e.c.)	
30101	Metallurgist	232F

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30102	Metallurgy technician (extractive)	
30103	Metallurgical official (n.e.c.)	
30104	Pupil metallurgist	
30105	Learner official (metallurgy)	
30110	Amalgamator	
30199	Metallurgical worker (n.e.c.)	
30201	Plant/reduction official	
30201	Reduction/plant official	
30202	Control room operator	
30203	Process controller	
30204	Plant team leader/supervisor	
30205	Beltsman	857C
30206	Sorter	
30207	Crusher attendant	
30208	Milling worker	
30209	Screensman	
30210	Grinderman/pulveriser	
30210	Pulveriser/grinderman	
30211	Coal preparation worker	
30299	Plant worker (n.e.c.)	
30301	Filter team leader/supervisor	
30302	Filter operator/worker	
30399	Concentration/flotation worker (n.e.c.)	
30401	Uranium plant official	
30402	Acid plant official	
30403	Cyanidation team leader/supervisor	
30404	Acid plant worker	
30405	Cyanidation worker	
30406	Dryerman	
30407	Leaching worker	
30408	Stripper operator	
30499	Chemical process worker (n.e.c.)	
30501	Smelter	
30502	Smelter team leader/supervisor	
30503	Smelter worker	
30504	Kilnman	
30505	Cupolaman	
30506	Ladleman	
30507	Caster	
30508	Calcinating worker	
30509	Coking plant attendant	
30599	Furnace worker (n.e.c.)	
30601	Refiner	
30699	Refining worker (n.e.c.)	
30701	Dumpsman	
30702	Dump team leader/supervisor	
30703	Dump worker	
30704	Slimes dam team leader/supervisor	
30705	Slimes dam worker	
30799	Slimes dam/dump worker (n.e.c.)	
34510	Tailor	
35010	Butcher	
35020	Baker	
35110	Beer maker	
35710	Sawyer	
35900	Paper manufacturing management	
35910	Assopulp worker	
35911	Paper maker	
35912	Paper tester	
35913	Wrapper	

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35999	Timber, pulp and paper worker (n.e.c.)	
36000	Printing management	
36001	Printing supervisor	
36010	Lithographer	
36011	Printer (n.e.c.)	
36012	Printing machine operator	
36013	Guillotine operator	
36014	Collator	
36015	Book binder	
36095	Clerk (printing)	
36099	Printing worker (n.e.c.)	
36710	Brick maker	
39992	Project manager/officer (reduction/beneficiation/manufacturing)	
39993	Student (metallurgy/beneficiation/manufacturing n.e.c.)	
39995	Clerk (metallurgical plant)	
39996	Consultant (metallurgy/beneficiation/manufacturing n.e.c.)	
39997	Researcher (metallurgy/beneficiation/manufacturing n.e.c.)	
39998	Trainer (metallurgy/beneficiation/manufacturing n.e.c.)	
39999	Reduction/beneficiation/manufacturing worker (n.e.c.)	
40000	Consulting engineer (engineering support)	
40001	Engineering management (multi-disciplinary)	
40002	General engineering supervisor	
40003	Planned maintenance foreman	
40004	Engineering foreman (n.e.c.)	
40099	Engineering management (n.e.c.)	
40100	Planning management (engineering)	
40101	Planning officer (engineering)	
40102	Designer (engineering)	
40103	Model maker	
40104	Estimator/calculator	
40195	Clerk (engineering planning)	
40199	Planning worker: engineering (n.e.c.)	
40201	Engineer (n.e.c.)	
40202	Engineering inspector	
40203	Engineering technician (n.e.c.)	
40204	Technical assistant (engineering) (n.e.c.)	
40205	Engineering assistant (n.e.c.)	
40206	Learner official (engineering, n.e.c.)	
40208	Learner operative	
40299	Engineering technical worker (n.e.c.)	
40300	Electrical engineering management	
40301	Electrical engineer	
40302	Junior engineer (electrical engineering)	
40303	Learner official (electrical engineering)	
40310	Electrical technician	429A
40311	Electronic technician	
40312	Electrician: foreman	
40313	Electrician: chargehand	
40314	Electrician	425A
40315	Electrician: apprentice	425Y
40316	Electrician: underground/ground section	
40317	Electrician: aide	425Z
40318	Electrician: worker (n.e.c.)	
40319	Auto electrician	



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40320	Armature winder	
40321	Instrument engineer	
40322	Instrument technician	
40323	Instrument mechanician (industrial): foreman	
40324	Instrument mechanician (industrial): chargehand	
40325	Instrument mechanician (industrial)	
40326	Instrument mechanician (industrial): apprentice	
40327	Radio mechanician	
40340	Electrical foreman (other n.e.c.)	
40341	Electrical chargehand (other, n.e.c.)	
40342	Electrical tradesman (other n.e.c.)	
40343	Cable joiner	
40344	Fan attendant	
40345	Lampsmen	755B
40346	Lamp room team leader /supervisor	
40347	Lamp room worker	
40394	Draughtsperson (electrical engineering)	
40398	Trainer (electrical engineering)	
40399	Electrical engineering worker (n.e.c.)	
40400	Mechanical engineering management	
40401	Mechanical engineer	
40402	Junior engineer (mechanical engineering)	
40403	Learner official (mechanical engineering)	
40407	Junior engineer (n.e.c)	
40410	Mechanical technician	439B
40410	Mechanic (Ocean)	
40411	Hydraulic technician	
40412	Air conditioning/refrigeration engineer	
40412	Refrigeration/air conditioning engineer	
40413	Air conditioning/refrigeration mechanic	
40413	Refrigeration/air conditioning mechanic	
40414	Refrigeration plant team leader/supervisor	
40415	Refrigeration plant operator	
40420	Blacksmith: foreman	
40421	Blacksmith: chargehand	
40422	Blacksmith	430B
40423	Blacksmith: operative	
40424	Blacksmith: apprentice	430A
40425	Blacksmith: worker (n.e.c.)	
40426	Fitter and turner: foreman	
40427	Fitter and turner: chargehand	
40428	Fitter and turner	433B
40429	Fitter and turner: apprentice	433Y
40430	Fitter (including. machining) foreman	
40431	Fitter (including machining): chargehand	
40432	Fitter (including machining)	
40433	Fitter apprentice (including machining)	
40434	Fitter: operative (Grade 1)	
40435	Fitter: operative aide (Grade 2)	
40436	Fitter: worker (n.e.c.)	
40437	Electro mechanic/millwright/minewright	
40437	Millwright/electro mechanic/minewright	434Y
40445	Plater/boilermaker: foreman	
40446	Plater/boilermaker: chargehand	
40447	Plater/boilermaker	
40448	Plater	
40449	Plater/boilermaker: apprentice	
40450	Boilermaker: operative (Grade 1)	431A
40451	Boilermaker aide: operative (Grade 2)	
40452	Plater/boilermaker: worker (n.e.c.)	

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40453	Plater/welder: foreman	
40454	Plater/welder: chargehand	
40455	Plater/welder	
40456	Welder	438C
40457	Plater/welder: apprentice	
40458	Plater/welder: worker (n.e.c.)	
40459	Sheetmetal worker	
40470	Panelbeater	547B
40471	Motor mechanic: foreman	
40472	Motor mechanic: chargehand	
40473	Motor mechanic	
40474	Motor mechanic: apprentice	
40475	Diesel mechanic: foreman	
40476	Diesel mechanic: chargehand	
40477	Diesel mechanic	
40478	Diesel mechanic: apprentice	
40479	Motor/diesel mechanic: operative	
40480	Garage mechanic: aide	
40481	Garage serviceman	
40482	Garage worker (n.e.c.)	
40501	Diecaster	
40502	Forger	
40503	Patternmaker	
40504	Moulder	
40505	Founder	
40506	Rigger and ropeman: foreman	
40507	Rigger and ropeman: chargehand	
40508	Rigger and ropeman	
40509	Rigger and ropeman: apprentice	435Y
40510	Rigger: aide	
40511	Rigger and ropeman: worker (n.e.c.)	
40512	Toolmaker	
40520	Mechanical foreman (other, n.e.c.)	
40521	Mechanical charge hand	
40522	Mechanical tradesman (other, n.e.c.)	
40523	Rubber reliner	
40524	Winch transporter/erector	
40525	Winch transporter team leader	
40526	Shot blast operator	
40527	Drillsmith	
40528	Drill sharpener	430C
40529	Press operator	663A
40530	Power hammer operator	
40531	Pump team leader/supervisor	
40532	Pump worker	
40540	Saw doctor	
40541	Sawmill mechanic	
40542	Saw sharpener	
40543	Motorman (Ocean)	
40594	Draughtsperson (mechanical engineering)	
40598	Trainer (mechanical engineering)	
40599	Mechanical engineering worker (n.e.c.)	
40600	Civil engineering management	
40601	Civil engineer	
40602	Junior engineer (civil engineering)	
40610	Civil engineering technician	
40611	Clerk of works	
40612	Town planner	
40613	Quantity surveyor	
40614	Bricklayer	470A

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40615	Builder	
40616	Building worker: operative	
40617	Bricklayer: aide	470Z
40618	Building worker (n.e.c.)	
40619	Carpenter and joiner: foreman	
40620	Carpenter and joiner: chargehand	
40621	Carpenter	411A
40622	Carpenter and joiner	
40623	Carpenter and joiner: apprentice	
40624	Carpenter: aide	411Z
40625	Carpenter: worker (n.e.c.)	
40626	Mason	
40627	Mason aide	
40628	Plasterer	475A
40629	Paver	
40630	Plumber: foreman	
40631	Plumber: chargehand	
40632	Plumber	544C
40633	Plumber: apprentice	
40634	Plumber: operative	
40635	Plumber: aide	
40636	Plumber: worker (n.e.c.)	
40637	Painter and decorator	534A
40638	Painter and decorator: worker (n.e.c.)	
40639	Signwriter	
40650	Civil/building foreman (other n.e.c.)	
40651	Civil/building chargehand (other, n.e.c.)	
40652	Civil/building tradesman (other, n.e.c.)	
40653	Maintenance supervisor	
40654	Handyman (maintenance)	
40655	Road builder	
40656	Ganger/plate/tracklayer (main line)	751A
40656	Plate/track layer/ganger (main line)	
40656	Track/plate layer/ganger (main line)	
40694	Draughtsperson (civil engineering)	
40698	Trainer (civil engineering)	
40699	Civil engineering worker (n.e.c.)	
40700	Chemical engineering management	
40701	Chemical engineer	
40794	Draughtsperson (chemical engineering)	
40798	Trainer (chemical engineering)	
40799	Chemical engineering worker (n.e.c.)	
40800	Energy systems management	
40801	Energy systems team leader/supervisor	
40802	Electricity generator worker	
40803	Boiler attendant	431Y
40804	Compressor attendant	
40805	Energy systems officer	
40899	Energy systems worker (n.e.c.)	
40900	Water, effluent and sanitation management	
40901	Water, effluent and sanitation team Leader/supervisor	
40902	Water treatment operator	
40903	Sewage plant operator	
40904	Sanitation worker	
40905	Disinfestation worker	
40906	Refuse collector	
40907	Water, effluent and sanitation officer	
40999	Hygiene services worker (n.e.c.)	
49901	Engineering team leader (n.e.c.)	

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49902	Contractor (outside)	
49903	Cutter	
49992	Project manager/officer (engineering n.e.c.)	
49993	Student (engineering n.e.c.)	
49994	Draughting technician	
49994	Draughtsperson (n.e.c.)	
49994	Tracer (n.e.c.)	
49995	Clerk (engineering)	
49996	Consultant (engineering n.e.c.)	
49997	Researcher (engineering n.e.c.)	
49998	Trainer (general engineering n.e.c.)	
49999	General engineering worker (n.e.c.)	
50000	Scientific/technical management (multi-disciplinary)	
50001	Technical services management	
50099	Scientific/technical management (n.e.c.)	
50100	Geological management	
50101	Geologist	240A
50102	Geophysicist	
50103	Geochemist	
50104	Mineralogist	
50105	Sedimentologist	
50106	Magnetometer specialist	
50107	Prospector	
50108	Geology technician	
50109	Geological observer/field assistant	
50110	Diamond driller	
50111	Diamond drill team leader/supervisor	
50112	Diamond drill worker	
50113	Learner official (geology)	
50193	Student (geology)	
50194	Draughtsperson (geological)	
50195	Clerk (geology)	
50199	Geological worker (n.e.c.)	
50200	Survey management	
50201	Surveyor (land)	
50202	Surveyor (mine)	
50203	Sampler	
50204	Sample worker	
50205	Model maker (survey)	
50294	Draughtsperson (survey)	
50295	Clerk (survey)	
50299	Survey worker (n.e.c.)	
50300	Rock mechanics management	
50301	Rock mechanics engineer	
50302	Rock mechanics officer	
50303	Strata control officer	
50304	Strata control observer	
50305	Seismologist	
50306	Seismic network technician	
50395	Clerk (rock mechanics)	
50397	Researcher (rock mechanics)	
50399	Rock mechanics worker (n.e.c.)	
50400	Laboratory manager/superintendent	
50401	Assayer	232D
50402	Chemist	
50403	Assay technician	
50404	Chemist technician	
50405	Laboratory technician	
50406	Laboratory assistant	249A
50407	Spectrographer	

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50408	Grade officer	673A
50409	Learner official (assay/chemistry)	
50499	Assay/chemistry/laboratory worker (n.e.c.)	232C
50500	Information services management	
50501	Development management (hardware)	
50502	Development management (software)	
50503	Business analyst (computers)	
50504	Systems analyst	
50505	Computer programmer	
50506	Facilities management (computers)	
50507	Operations/network operator (computers)	
50508	Computer operator	
50509	Data controller (computers)	
50510	Data capture supervisor	
50511	Data capture typist	
50512	Systems/network programmer	
50513	Database administrator	
50514	Database technician	
50515	Network technician (computers)	
50516	Information centre management (computers)	
50517	PC programmer/product specialist	
50518	User support (computers)	
50598	Trainer (computers)	
50599	Info services/computer worker (n.e.c.)	
50600	Statistics management	
50601	Statistician	
50602	Statistical officer	
50695	Clerk (statistics)	
50699	Statistical worker (n.e.c.)	
50700	Industrial engineering management	
50701	Industrial engineer	
50702	Industrial engineering technician	
50703	Operations research officer	
50704	Industrial engineering officer	
50705	Productivity officer	
50706	Work study officer	
50707	Work study observer/assistant	
50795	Clerk (industrial engineering)	
50799	Industrial engineering worker (n.e.c.)	
50800	Safety/loss control management	
50801	Safety/loss control officer	
50802	Safety/loss control auditor	
50803	Safety/loss control observer/assistant	
50895	Clerk (safety/loss control)	
50898	Trainer (safety/loss control)	
50899	Safety/loss control worker (n.e.c.)	
50900	Architectural management	
50901	Architect	
50902	Architectural assistant	
50994	Draughtsperson (architectural)	
50995	Clerk (architectural)	
50999	Architectural worker (n.e.c.)	
51000	Environmental engineering management	
51001	Environmental engineer	
51002	Environmental superintendent	
51003	Environmental officer	
51004	Environmental assistant	
51005	Environmental observer	
51006	Microscopist	
51007	Environmental construction supervisor	

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51008	Environmental construction worker
51095	Clerk (environmental)
51099	Environmental worker (n.e.c.)
59901	Technical services department (TSD) officer (n.e.c.)
59992	Project manager/officer (scientific/technical n.e.c.)
59993	Student (scientific/technical, n.e.c.)
59994	Draughtsperson (technical services)
59996	Consultant (scientific/technical, n.e.c.)
59997	Researcher (scientific/technical, n.e.c.)
59998	Trainer (scientific/technical, n.e.c.)
59999	Scientific/technical worker (n.e.c.)
60000	Humanities management (multi-disciplinary)
60099	Humanities management (n.e.c.)
60100	Personnel management
60101	Personnel officer/practitioner
60102	Personnel assistant/masiza
60103	Labour controller
60104	Psychologist (industrial)
60105	Aptitude testing supervisor
60106	Aptitude tester
60195	Clerk (personnel)
60199	Personnel worker (n.e.c.)
60200	Industrial relations management
60201	Industrial relations practitioner
60202	Industrial relations assistant
60203	Induna/tribal representative
60203	Tribal representative/induna
60295	Clerk (industrial relations)
60299	Industrial relations worker (n.e.c.)
60300	Training management
60301	Training officer (n.e.c.)
60302	Training assistant
60395	Clerk (training)
60398	Trainer/instructor (n.e.c.)
60399	Training worker (n.e.c.)
60400	Educational management
60401	School principal
60402	Teacher (secondary education)
60403	Teacher (primary education)
60404	Play school supervisor
60404	Teacher (nursery education)
60405	Pre-Primary school assistant
60495	Clerk (school)
60499	Educational/school worker (n.e.c.)
60500	Employee assistance programme management
60501	Psychologist (clinical)
60502	Social worker
60503	Welfare officer
60504	Welfare assistant
60595	Clerk (welfare)
60599	Welfare worker (n.e.c.)
60600	Legal management
60601	Advocate/barrister
60601	Barrister/advocate
60602	Attorney/solicitor/conveyancer
60602	Conveyancer/attorney/solicitor
60602	Solicitor/attorney/conveyancer
60603	Legal assistant
60695	Clerk (legal)
60699	Legal worker (n.e.c.)

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60700	Library management
60701	Librarian
60702	Library assistant
60795	Clerk (library)
60799	Library worker (n.e.c.)
60800	Public relations management
60801	Public relations officer
60802	Diplomatic/political liaison officer
60803	Public relations assistant
60804	Tour guide
60805	Cinema/video operator
60895	Clerk (public relations)
60899	Public relations worker (n.e.c.)
60900	Producer/director (creative arts)
60901	Editor
60902	Journalist/writer
60902	Writer/journalist
60903	Translator
60904	Graphic artist
60905	Entertainer
60905	Musician
60905	Performing artist
60906	Photographer
60907	Television cameraman
60908	Media technician
60995	Clerk (creative arts)
60999	Creative worker (n.e.c.)
61000	Sports/recreation management
61001	Sports/recreation officer
61002	Sports/recreation assistant
61095	Clerk (sports/recreation)
61099	Sports worker (n.e.c.)
69992	Project manager/officer (humanities n.e.c.)
69993	Student (humanities n.e.c.)
69996	Consultant (humanities n.e.c.)
69997	Researcher (humanities n.e.c.)
69998	Trainer (humanities n.e.c.)
69999	Humanities worker (n.e.c.)
70000	Medical/health care management (multi-disciplinary)
70001	Medical advisor
70002	Hospital superintendent
70099	Medical/health care management (n.e.c.)
70101	Anaesthetist
70102	Biokineticist
70103	Dermatologist
70104	Ear, nose and throat specialist
70105	Gynaecologist
70106	Industrial physician
70107	Internist/specialist physician
70108	Neurologist
70109	Neurosurgeon
70110	Ophthalmologist
70111	Orthopaedic surgeon
70112	Pathologist (medical)
70113	Paediatrician
70114	Plastic surgeon
70115	Psychiatrist
70116	Radiologist
70117	Surgeon (general)

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70118	Thoracic surgeon
70119	Urologist
70120	Occupational health physician
70199	Medical specialist (n.e.c.)
70201	General practitioner
70201	Medical officer
70202	Clinical assistant
70202	Registrar (medical)
70301	Acclimatisation supervisor
70302	Acclimatisation worker
70303	Audio visual tester
70304	Bio medical engineer
70305	Dietician
70306	EEG technician
70307	Health/food inspector
70308	Masseur/masseuse
70309	Medical orthotist/prosthetist
70309	Prosthetist/medical orthotist
70310	Medical physicist
70311	Medical technician
70312	Medical technologist
70313	Mortuary attendant
70314	Occupational therapist
70315	Optician/optometrist
70316	Optical dispenser
70317	Orthoptist
70318	Physiologist
70319	Physiotherapist
70320	Chiropodist/podiatrist
70320	Podiatrist/chiropodist
70321	Radiographer
70322	Audiologist/speech therapist
70322	Speech therapist/audiologist
70323	Audiometrist
70324	Hospital worker/orderly
70324	Orderly/hospital worker
70399	Supplementary medical worker (n.e.c.)
70401	Dental surgeon/dentist
70402	Maxillo-facial and oral surgeon
70403	Orthodontist
70404	Perodontist
70405	Prosthodontist
70499	Dental specialist n.e.c. (e.g. oral pathologist)
70501	Oral hygienist
70502	Dental therapist
70503	Dental mechanic
70504	Dental assistant
70599	Dental worker (n.e.c.)
70600	Matron/nursing services management
70600	Nursing services management/matron
70601	Nurse: charge/senior sister
70602	Nurse: registered (all categories n.e.c.)
70603	Nurse: enrolled/staff
70604	Nursing assistant
70698	Nursing instructor
70698	Trainer (nursing)
70699	Nursing worker (n.e.c.)
70701	Pharmacist
70799	Pharmaceutical worker (n.e.c.)
70800	First aid management/medical station



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superintendent  
70800 Medical station superintendent/first aid management  
70801 First aid team leader/supervisor  
70802 First aid attendant  
70803 Ambulance officer  
70895 Clerk (first aid)  
70898 First aid trainer  
70898 First aid training superintendent  
70898 Trainer (first aid)  
70899 First aid worker (n.e.c.)  
79901 Hospital cleaner  
79901 Medical labourer  
79992 Project manager/officer (medical/health n.e.c.)  
79993 Student (medical)  
79995 Clerk (medical)  
79996 Consultant (medical, n.e.c.)  
79997 Researcher (medical, n.e.c.)  
79998 Trainer (medical, n.e.c.)  
79999 Medical worker (n.e.c.)  
79999 Radio\medic (Ocean  
80000 Services management (multi-disciplinary)  
80099 Services management (n.e.c.)  
80100 Security management  
80101 Security inspector/officer  
80102 Security supervisor (e.g. sergeant)  
80103 Mine police/security guard  
80103 Security guard/mine police  
80104 Detective  
80105 Dog handler  
80195 Clerk (security)  
80198 Trainer (security)  
80199 Security worker (n.e.c.)  
80200 Rescue training service management  
80201 Firemaster  
80202 Fire fighting/rescue officer  
80202 Rescue/fire fighting officer  
80203 Fire fighting/rescue team leader/supervisor  
80203 Rescue/fire fighting team leader/supervisor  
80298 Fire fighting/rescue trainer  
80298 Rescue/fire fighting trainer  
80298 Trainer (fire fighting/rescue)  
80299 Fire fighting/rescue worker (n.e.c.)  
80299 Rescue/fire fighting worker (n.e.c.)  
80300 Estate/township management  
80301 Estate/township officer  
80302 Estate/township team leader/supervisor  
80395 Clerk (estate/township)  
80399 Estate/township worker (n.e.c.)  
80400 Building services management  
80401 Commissionaire (offices)  
80402 Cleaner (office)/tea maker  
80402 Tea maker/office cleaner  
80499 Building service worker (n.e.c.)  
80500 Guest house/quarters management  
80501 Caretaker/housekeeper  
80501 Housekeeper/caretaker  
80502 Commissionaire (residential accommodation)  
80503 Laundry supervisor  
80504 Laundry worker  
80505 Hostel management

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80506	Hostel official	
80507	Hostel team leader/supervisor	
80595	Clerk (hostel/quarters).	
80599	Accommodation worker (residential n.e.c.)	
80600	Club management	
80601	Club secretary	
80602	Club team leader	
80603	Club worker	
80604	Changehouse team leader/supervisor	
80605	Changehouse worker	300A
80695	Clerk (club)	
80699	Accommodation worker (other accommodation n.e..c.)	
80700	Catering management	
80701	Canteen supervisor	
80702	Chef/cook	
80702	Cook/chef	
80703	Canteen worker	
80703	Kitchen worker	
80704	Waiter/waitress	
80705	Beerhall supervisor	
80705	Liquor outlet supervisor	
80706	Barman	
80795	Clerk (catering)	
80799	Catering worker (n.e.c.)	
80801	Domestic servant	
80802	Child minder	
80803	Barber/hairdresser	
80803	Hairdresser/barber	
80899	Personal care worker (n.e.c.)	
80900	Road transport management	
80901	Road transport officer	
80902	Road transport team leader	
80903	Driver: motorcycle (code 01-04)	
80904	Driver: tractor (code 05)	
80905	Driver: forklift	
80906	Driver: mobile industrial./agricultural/equipment (code 07)	
80907	Driver: light motor vehicle/car (code 08)	
80908	Driver: ambulance (code 08)	
80909	Driver: heavy motor vehicle (code 10) (including bus/ambulance)	
80910	Driver: extra heavy motor vehicle, including buses (code 11)	
80911	Driver: heavy motor vehicle (code 13)	
80912	Driver: extra heavy motor vehicle (code 14)	
80995	Clerk (road transport)	
80998	Driving instructor	
80998	Trainer (road driving)	
80999	Road transport worker (n.e.c.)	
81000	Rail transport management	
81001	Rail transport officer	
81002	Rail transport team leader	
81003	Loco driver (main line - TRANSNET)	
81004	Loco driver (not main line)	
81005	Fireman/stoker	854A
81005	Stoker/fireman	
81006	Train guard	
81007	Shunter	
81008	Signaller	

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81009	Crossing attendant	
81095	Clerk (rail transport)	
81099	Rail transport worker (n.e.c.)	
81100	Air transport management	
81101	Air transport officer	
81102	Airport controller	
81103	Pilot (aircraft)	
81195	Clerk (air transport)	
81199	Air transport worker (n.e.c.)	
81201	Stevedore	
81201	Roustabout	
81202	Bargemaster \ Bosun (Ocean)	
81299	Sea transport worker (n.e.c.)	
81301	Crane driver	811A
81398	Crane driver trainer	
81398	Trainer (crane driving)	
81399	Transport worker (n.e.c.)	
89992	Project manager/officer (services n.e.c.)	
89993	Student (service occupation n.e.c.)	
89996	Consultant (service occupation n.e.c.)	
89997	Researcher (service occupation n.e.c.)	
89998	Trainer (service occupation n.e.c.)	
89999	Service worker (n.e.c.)	
90000	Agricultural management (multi-disciplinary)	
90001	Farm manager	
90099	Agricultural management (n.e.c)	
90101	Horticulturist	
90102	Garden supervisor/groundsman	
90102	Groundsman/garden supervisor	
90199	Garden worker	
90200	Land rehabilitation engineer	
90201	Land rehabilitation supervisor	
90299	Land rehabilitation worker	
90300	Forestry engineer	
90301	Forester	
90399	Forestry worker	
90400	Irrigation engineer	
90499	Crop worker	
90501	Game ranger	
90502	Herdsman/stable hand <sup>1</sup> d	
90502	Stable hand/herdsman	
90503	Kennel worker	
90599	Livestock worker (n.e.c.)	
90699	Mixed farming worker (n.e.c.)	
99992	Project manager/officer (agriculture n.e.c.)	
99993	Student (agriculture n.e.c.)	
99995	Clerk (agriculture n.e.c.)	
99996	Consultant (agriculture n.e.c.)	
99997	Researcher (agriculture n.e.c.)	
99998	Trainer (agric ulture n.e.c.)	
99999	Agricultural worker (n.e.c)	