December 2007 revision
SAMRASS
South African Mines Reportable Accidents Statistics System

Codebook for mines

Directorate: Technical Services
Department of Mineral Resources
Private Bag X59
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Introduction

A good official statistics system is characterised by its ability to elucidate issues, not just to monitor them and by its ability to evolve in response to needs. Such a system must have a high level of public credibility, since few in society can verify national statistics and therefore must have to rely on the public reputation of the agency providing the statistics.

Ivan Fellegi, Chief Statistician of Canada

Keeping Fellegi’s statement in mind, the Department of Minerals and Energy (DME), has revisited the entire system of accident reporting and recordkeeping in its SAMRASS system, the South African Mines Reportable Accidents Statistics System, a sub-set of the entire DME database.

In order to produce a good quality statistical product, in accordance with the needs and requirements of the various users, a tripartite working group consisting of representatives from the state (DME), labour (mine worker unions), and the employer sector (Chamber of Mines), have revised the codebook, subject to the conditions embodied in the Mine Health and Safety Act and relevant regulations. This revision process will in future be continuously developed and adapted/assessed against stakeholder and community needs.

The following aspects were taken into account:

- **Simplification**
  An important consideration in the revision process was to design the reporting system without adding to the workload for the mines. With this in mind, codes which are consistent with industry reporting to Rand Mutual Assurance have been incorporated with SAMRASS reporting.

- **Content**
  The choice and definition of variables to be reported, statistical measures and categories and groups for which statistics are reported, were revisited. The new system has also been designed to conform to international standards and to facilitate comparison with other statistics.

- **Accuracy and Consistency**
  Coding structures should be consistent with previous code sets so that history is not lost and should be readily understood by the persons completing the prescribed forms.

- **Accessibility**
  Statistics will be published (on-line and in hard copy), and disseminated in formats that make them easy to understand and easy to use. Graphs, diagrams and explanatory notes will be used whenever possible.

- **Uses**
  Statistics to be presented illustrating the situation and trends within the different mining sectors.

- **Common Vocabulary**
  The intention of this Codebook is to ensure that all mines make use of the same terminology regarding accidents and accident reporting.
Instructions for the completion of SAMRASS Forms i.r.o. accidents or dangerous occurrences.

The correct description of accidents or dangerous occurrences is of utmost importance if the statistics produced from these reports are to be meaningful. The statistical summary should result in a profile of the various types of accidents and contribute to meaningful information which highlight trends within the industry and focus specific research, hazard identification, risk assessment, safety management, and training activities.

In the rest of this document wherever the term “Accident” is used, read it to include the term “Dangerous Occurrence” as well. An accident is where a person was injured or killed and a dangerous occurrence is where no injury took place. Use the appropriate coding in Sections B 12 for accidents and B13 for dangerous occurrences.

The regulations contained in Chapter 23 of the Mine Health and Safety Act prescribes the following accidents or dangerous occurrences to be reported to the Mine Health and Safety Inspectorate of the DME on the prescribed forms (see addenda to this Codebook):

CHAPTER 23

ACCIDENTS AND DANGEROUS OCCURRENCES

ACCIDENTS TO BE REPORTED

23.1 The employer must report to the Principal Inspector of Mines in the manner prescribed in this chapter any accident at the mine that results in:

(a) the death of any employee;

(b) an injury, to any employee, likely to be fatal;
(c) unconsciousness, incapacitation from heatstroke or heat exhaustion, oxygen deficiency, the inhalation of fumes or poisonous gas, or electric shock or electric burn accidents of or by any employee and which is not reportable in terms of paragraph (d).

(d) an injury which either incapacitates the injured employee from performing that employee’s normal or a similar occupation for a period totaling 14 days or more, or which causes the injured employee to suffer the loss of a joint, or a part of a joint, or sustain a permanent disability,

(e) an injury, other than injuries referred to in paragraph (d), which incapacitates the injured employee from performing that employee’s normal or a similar occupation on the next calendar day.

23.2 (1) An accident referred to in paragraph (a), (b) or (c) of regulation 23.1 must be reported immediately by the quickest means available and must be confirmed without delay on Forms SAMRASS 1 and 2 prescribed in Chapter 21.

23.2 (2) An accident referred to in paragraph (d) of regulation 23.1 must, after the accident becomes reportable, be reported within three days on Forms SAMRASS 1 and 2 prescribed in Chapter 21.

23.2 (3) The Form SAMRASS 9 must be submitted on a monthly basis for all persons not having returned to work at the time of submitting SAMRASS 2 on a monthly basis.

23.2 (4) An accident referred to in paragraph (e) of regulation 23.1 must be reported without delay on a monthly basis, on Form SAMRASS 4 prescribed in Chapter 21.
23.3 (1) Where the death of an employee, referred to in regulation 23.1(a) is related to a rockburst or fall of ground, the duly completed Form SAMRASS 3, prescribed in Chapter 21, for such rockburst or fall of ground must be forwarded by the employer to the Principal Inspector of Mines within 14 days of such death.

23.3 (2) When an injury results in the death of the injured employee after the report in terms of regulation 23.1 (b), (c), (d) or (e) has been given or when a slight injury, which was not reportable, results in the death of the injured employee, or when general sepsis or tetanus develops as a result of an injury, the employer must immediately report it to the Principal Inspector of Mines and without delay submit amended Form SAMRASS 1 prescribed in Chapter 21.

23.3 (3) Where the injury of a person referred to in regulation 23 (1) or a dangerous occurrence referred to in regulation 23.4 (o), is related to the use of explosives, in addition to Form SAMRASS 1, the duly completed Form SAMRASS 5, prescribed in Chapter 21, must be forwarded by the employer to the Principal Inspector of Mines within 14 days of such occurrence.

23.3 (4) Where the injury of a person referred to in regulation 23 (1) or a dangerous occurrence referred to in regulation 23.4 (f) is related to fires, in addition to Form SAMRASS 1, the duly completed Form SAMRASS 6, prescribed in Chapter 21, must be forwarded by the employer to the Principal Inspector of Mines within 14 days of such occurrence.

23.3 (5) Where the injury of a person referred to in regulation 23 (1) or a dangerous occurrence referred to in regulation 23.4 (b) is related to a subsidence in a coal mine, in addition to Form SAMRASS 1, the duly completed Form SAMRASS 7, prescribed in Chapter 21, must be forwarded by the employer to the Principle Inspector of Mines within 14 days of such occurrence.
23.3 (6) Where the injury of a person referred to in regulation 23 (1) is related to heat stroke or heat exhaustion, in addition to Form SAMRASS 1, the duly completed Form SAMRASS 8, prescribed in Chapter 21, must be forwarded by the employer to the Principal Inspector of Mines within 14 days of such occurrence.

DANGEROUS OCCURRENCES TO BE REPORTED

23.4 The employer must report to the Principal Inspector of Mines in the manner prescribed in this Chapter any of the following dangerous occurrences at the mine-

(a) ROCKBURSTS AND FALLS OF GROUND

An extensive rockburst or fall of ground causing the following damage underground –

(i) At least 10 linear metres of working face has been severely damaged and choked and will require re-establishment and re-supporting, or be abandoned;

(ii) At least 25m² of working area has been severely damaged and choked rendering support units ineffectual and will have to be re-established and re-supported or be abandoned;

(iii) At least 10 linear metres of gully has been restricted with rock clearly recently displaced from the hanging wall and gully sidewalls;

(iv) At least 10 linear metres continuous or 30 linear metres cumulative of access ways of tunnel or travelling way has been severely damaged and will require rehabilitation or be abandoned;
(v) At least 10 m$^2$ of roof or 5m$^3$ of rock has been displaced from the roof of the mining cavity or excavation;

(vi) At least 10m$^3$ of rock has been freshly displaced from pillars or tunnel sidewalls.

(b) CAVING

Any unplanned or uncontrolled caving, side wall or slope failure or subsidence in the ground or workings, causing damage to the surface, which may pose a significant risk to the safety of persons at a mine.

(c) FLOW OF BROKEN ROCK

Any unplanned or uncontrolled flow of broken rock, mud or slimes in the workings of a mine which may pose a significant risk to the safety of persons at a mine.

(d) BREAKDOWN OF MAIN VENTILATION FAN

Breakdown of any main ventilation fan.

(e) POWER FAILURE

Any power failure occurring in the underground workings of a mine, which poses a significant risk to the health, or safety of persons at a mine.

(f) FIRES AND EXPLOSIONS

Any ignition or explosion of gas or dust, or any fire related to mining activities or any indication or recrudescence of fire or spontaneous combustion at or in a mine.
(g) **FLAMMABLE GAS**

The presence of flammable gas exceeding one comma four parts per hundred by volume in the general atmosphere at a mine, or any portion of a mine:

(i) if such flammable gas is detected for the first time; or

(ii) the first time such flammable gas is again detected after not having been detected therein for a continuous period of three months.

(h) **WINDING PLANTS**

(i) Running out of control of winding-engine, winding drum or conveyance;

(ii) Fracture or failure of any essential part of the winding-engine, fracture or failure of any safety device used in connection with the winding equipment;

(iii) Fracture, failure or serious distortion of winding rope, fracture, failure or serious distortion of any connection between the winding rope and the drum or between the winding rope and the conveyance and any other load suspended Form or attached to such rope; fracture, failure or failure or serious distortion of any connection between conveyances or between a conveyance and any suspended or attached load, fracture of guide rope or its connections, fracture of balance or tail rope or its connections;

(iv) Fracture or failure of winding or balance sheave; fracture or failure of any essential part of the headgear or other sheave support;

(v) Jamming or accidental overturning of conveyance; conveyance or its load fouling shaft equipment; jamming of crosshead;

(vi) Derailing of conveyance;

(vii) Conveyance, bridle, frame or crosshead accidentally leaving guides;
(viii) Fracture or failure of the braking system or of any critical parts thereof;

(ix) Failure to activate when required of any safety catches and/or arresting devices or activation of any safety catches and/or arresting devices when not required;

(x) Failure to activate when required of any overwinding prevention device or activation of such device when not required;

(xi) Any overwind or over-run of the conveyance to an extent which may have endangered persons or may have caused damage to the winding equipment;

(xii) Failure of depth indicator.

(i) LIFTS AND ELEVATORS

(i) Fracture or failure of any essential part of the driving or operating machinery, fracture or failure of any safety device used in connection with lifts or elevators.

(ii) Fracture or distortion of the lift or elevator rope, fracture or failure of attachments of such rope.

(iii) Fracture or failure of any sheave or of the shaft or shaft bearing of such sheave.

(iv) Jamming of car or counterpoise.

(v) Fracture or failure of braking system or of any critical parts thereof.
(vi) Failure to activate when required of any safety catches and/or arresting devices or activation of any safety catches and/or arresting devices when not required.

(j) **OBJECTS FALLING DOWN SHAFTS**

Any object falling down the shaft or any other incident which necessitates the inspection of the shaft.

(k) **EMERGENCY OR RESCUE PROCEDURES**

(i) Any failure of breathing apparatus whilst deployed.

(ii) The use of emergency escape apparatus, procedures or rescue mechanisms, or the rescue from entrapment, associated with mining or related activities, of any employee.

(l) **SELF PROPELLED MOBILE MACHINERY**

Any self-propelled mobile machine running out of control which may pose significant risk to the safety of persons at a mine.

(m) **BOILERS AND PRESSURE VESSELS**

Fracture or failure of any part of a boiler or safety device of a boiler or pressure vessel which may have endangered persons.

(n) **CHAIRLIFTS**
(i) Fracture or failure of any part or safety device of a chairlift installation which may have endangered persons or may have caused damage to such chairlift installation.

(ii) Fracture or failure of any essential part of the driving machinery.

(iii) Fracture failure or serious distortion of any rope or chain forming part of a chairlift installation.

(o) EXPLOSIVES

(i) Any unauthorised or accidental ignition or detonation of explosives.

(ii) Any exposure of persons to blasting fumes which is not reportable in terms of regulation 23.1.

(iii) Any detonation of explosives which may pose a significant risk to the safety of persons.

23.5 A dangerous occurrence referred to in regulation 23.4 must be reported immediately by the quickest means available and must be confirmed without delay on Form SAMRASS 1 prescribed in Chapter 21.

23.6 Every employer must ensure that a system is in place whereby the employer is informed, as soon as is practicable after its occurrence, of any accident or dangerous occurrence, which is reportable in terms of this Chapter.

23.7 (i) Every employer must keep and maintain a record in which the particulars of all accidents and dangerous occurrences, which are required to be reported in terms of this Chapter, must be recorded without delay.
(ii) The record contemplated in Regulation 23.7(i) in respect of all accidents or dangerous occurrences must be kept and maintained for two years from the time that the accident or dangerous occurrence becomes reportable.
PLACE OF AN ACCIDENT TO BE LEFT UNDISTURBED

10.1(1) When an accident causes the immediate death of any employee, the place where the accident occurred must not, without the consent of the Principal Inspector of Mines, be disturbed or altered before such place has been inspected by an Inspector or any other person authorised under section 49(4) by the Chief Inspector of Mines.

10.1(2) Regulation 10.1(1) does not apply if:

(a) such disturbance or alteration is unavoidable to prevent further accidents, to remove fatalities and injured employees or to rescue employees from danger; or

(b) the discontinuance of work at such place would seriously impede the working of the mine.

10.1(3) Despite regulation 10.1(1), work may be resumed at the place where the accident occurred if such inspector or other person authorised by the Chief Inspector of Mines fails to inspect the place within three days after notice of the accident has been given.

RIGHT TO ATTEND INSPECTION IN LOCO

10.2 Any employee having a material interest in an accident referred to in paragraph 10.1(1) as well as that employee’s representative may attend any inspection in loco conducted by an inspector but such attendance is at their own risk. In case such employee is, by reason of death or the severity of his/her injuries, unable to appoint any representative to attend the inspection in loco, the relatives, or in their absence the fellow employees, of such employee may appoint such representative.
SIGNIFICANT RISK

Section 11 of the Mine Health and Safety Act (MHSA) requires the employer to assess and respond to risk.

11 (1) Every employer must-

a) identify the hazards to health or safety to which employees may be exposed while they are at work;

b) assess the risk to health and safety to which employees may be exposed while they are at work;

c) record the significant hazards identified and risks assessed; and

d) make these records available for inspection by employees.

Section 102 of the MHSA defines the terms hazard and risk as follows:

"Hazard" means a source of or exposure to danger

"risk" means the likelihood that occupational injury or harm to persons will occur

The term "Significant" is defined in the Oxford Dictionary as being "noteworthy, of considerable amount or considerable effect or considerable importance"

Several of the dangerous occurrences refer to an incident occurring "which may pose significant risk to the safety of persons at a mine."

It is not possible to legislate the definition of significant risk, as this will invariably differ from mine to mine, commodity to commodity or even operation to operation. It is therefore the duty of every employer to conduct a risk assessment as required in terms of Section 11 of the MHSA to determine the significant risks to the safety of persons at that particular mine.

For example, a runaway vehicle may pose a significant risk to a large opencast mine, but will in all likelihood be an insignificant risk at a small salt mine. Similarly a diamond mine may be exposed to the significant risk of an inrush of water while a small quarry would not be faced with that particular problem. It is often possible that an incident could occur where no persons are present, thereby not posing any risk at all. Under slightly different circumstances such as at a later time, or when persons are nearby, the same incident could occur and persons are injured or exposed to significant risk.

It is therefore the duty of the employer to ensure that he has identified all the hazards on that mine which may pose a significant risk to the health and/or safety of persons at that mine, and to ensure that any dangerous occurrences that occur are reported in terms of this regulation.
SAMRASS 1 FORM
SECTION A: EMPLOYER DETAILS

ITEM 1. NAME OF MINE

Complete the name of the mine as registered with the Mineral Economics of the Department of Minerals and Energy. The name must correlate with the DME Mine Code. (Item 2).

ITEM 2. DME MINE CODE

The four digit code of the mine as assigned by the Mineral Economics, e.g.

**Premier Mine**    **0509**

**Note:** The Mineral Economics (of the Department of Minerals and Energy), allocates numbers to new mines, and also to mines that have amalgamated or unbundled or changed name.

It is imperative that these new numbers are linked to the old numbers in order to ensure the continuity of information. This will ensure that information will not be lost and that comparisons with old data are possible. The Mineral Economics is contactable at the Pretoria office, Tel No. 012 317 8000

ITEM 3. MAIN COMMODITY

The main commodity being produced by the mine.

- **Al**   Aluminia
- **AA**  Andalusite
- **AE**  Andesite
- **AG**  Silver
- **SB**  Antimony
- **AR**  Arkose  ?????????
- **AS**  Asbestos
- **AP**  Attapulgite
- **BT**  Bentonite
- **CA**  Calcrete
- **CL**  Coal
- **CR**  Chrome
- **CY**  Clay
- **CU**  Copper
- **DI**  Diamonds
- **DR**  Dolerite
**SECTION B: ACCIDENT OR DANGEROUS OCCURRENCE DETAILS**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th>YEAR</th>
<th>ACC/D.Occ REF NO</th>
<th>SHAFT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Mine accident or dangerous occurrence number</td>
<td></td>
<td>Y Y Y Y N N N N S S</td>
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<tr>
<td>2. Number of persons killed</td>
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<td>3. Number of persons totally disabled</td>
<td></td>
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<tr>
<td>4. Number of persons injured</td>
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<td></td>
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<tr>
<td>5. Date of accident or dangerous occurrence (use YYYY/MM/DD format)</td>
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<td>Y Y Y Y M M D D</td>
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<td></td>
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<tr>
<td>6. Time of accident or dangerous occurrence</td>
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<td>H H M M</td>
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<td></td>
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<tr>
<td>7. Location of accident dangerous occurrence</td>
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<tr>
<td>8. Name of working place</td>
<td></td>
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<tr>
<td>9. Depth below surface (in metres)</td>
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<tr>
<td>10. Section</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11. Description of accident or dangerous occurrence in words</td>
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</tbody>
</table>

**ITEM 1. MINE ACCIDENT OR DANGEROUS OCCURRENCE NUMBER**

The number is assigned by indicating the year in which the accident occurred, e.g. 2007 for the first four spaces. The next four spaces are for the sequential numbering of the accident on the mine, e.g. the tenth accident for 2007 will be numbered 0010. The next two spaces are for the shaft number where the accident occurred if applicable, e.g. number 5 shaft will be 05. If there are no shafts on the mine, use 00.

For example,
2007 0010 05.

**NOTE:** In the event of a multiple accident, page one of the form need only be completed once, irrespective of the number of persons killed or injured.
However, a separate SAMRASS 2 form must be completed for each person killed or injured.

ITEM 2. NUMBER OF PERSONS KILLED

The number of persons killed as a direct result of the mining accident.

Excludes the number of persons injured or totally disabled.

NOTE: In the event of a multiple accident, page one of the form need only be completed once, irrespective of the number of persons killed. However, a separate SAMRASS 2 form must be completed for each person killed.

ITEM 3. NUMBER OF PERSONS TOTALLY DISABLED

The number of persons totally disabled as a direct result of the mining accident.

Excludes the number of persons killed or injured.

The following disabilities will classify a person as totally disabled:
- total loss of sight;
- total paralysis;
- injuries resulting in being permanently bedridden;
- any other injury causing permanent total disablement. E.g. loss of two hands or two legs or deafness

NOTE: In the event of a multiple accident, page one of the form need only be completed once, irrespective of the number of persons injured. However, a separate SAMRASS 2 form must be completed for each person disabled.

ITEM 4. NUMBER OF PERSONS INJURED

The number of persons injured as a direct result of the mining accident.

Excludes the number of persons killed or totally disabled.

NOTE: In the event of a multiple accident, page one of the form need only be completed once, irrespective of the number of persons injured. However, a separate SAMRASS 2 form must be completed for each person injured.
ITEM 5. DATE OF ACCIDENT OR DANGEROUS OCCURRENCE

- The date on which the accident or dangerous occurrence occurred;
- the format of the field is: YYYY-MM-DD

ITEM 6. TIME OF ACCIDENT OR DANGEROUS OCCURRENCE

The 24 hour system to be used e.g. 13:15.

ITEM 7. LOCATION OF ACCIDENT OR DANGEROUS OCCURRENCE (CLASS OF PLACE)

Working places should be classified into one of the following locations:

<table>
<thead>
<tr>
<th>Code</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Surface Operations</td>
</tr>
<tr>
<td>02</td>
<td>Underground</td>
</tr>
<tr>
<td>03</td>
<td>Opencast</td>
</tr>
<tr>
<td>04</td>
<td>Surface Mining</td>
</tr>
<tr>
<td>05</td>
<td>Aquatic (sea/river)</td>
</tr>
</tbody>
</table>

A working place may occur in one or more of the above locations, e.g. a workshop could be found on surface, underground or even at sea. Similarly, a substation could be found on surface as well as underground. A different code is provided to specify each workplace and location so as to distinguish between the categories of underground, opencast, surface mining and at sea. Each category of working place is further split into detailed working places.

**NOTE:** The section on Plants has been divided into processes e.g. screening, crushing, etc. Commodity is classified elsewhere and will therefore cater for gold crushing or coal treatment etc.

For an alphabetical listing of places, see alphabetical index at the back of this codebook. (Appendix 12)
Use the full 6-digit code in each instance.

### 01 SURFACE OPERATIONS

<table>
<thead>
<tr>
<th>Code</th>
<th>Working Place</th>
</tr>
</thead>
<tbody>
<tr>
<td>010101</td>
<td>Hostels</td>
</tr>
<tr>
<td>010102</td>
<td>Hostel kitchens</td>
</tr>
<tr>
<td>010103</td>
<td>Village or married quarters</td>
</tr>
</tbody>
</table>

#### Electrical

<table>
<thead>
<tr>
<th>Code</th>
<th>Working Place</th>
</tr>
</thead>
<tbody>
<tr>
<td>010201</td>
<td>Electrical reticulation network e.g. overhead powerlines</td>
</tr>
<tr>
<td>010202</td>
<td>Powerstation</td>
</tr>
<tr>
<td>010203</td>
<td>Substation</td>
</tr>
</tbody>
</table>

#### Explosives distribution

<table>
<thead>
<tr>
<th>Code</th>
<th>Working Place</th>
</tr>
</thead>
<tbody>
<tr>
<td>010301</td>
<td>Explosives magazine</td>
</tr>
<tr>
<td>010302</td>
<td>Issue room</td>
</tr>
</tbody>
</table>

#### Horticultural

<table>
<thead>
<tr>
<th>Code</th>
<th>Working Place</th>
</tr>
</thead>
<tbody>
<tr>
<td>010401</td>
<td>Agricultural land</td>
</tr>
<tr>
<td>010402</td>
<td>Gardens</td>
</tr>
<tr>
<td>010403</td>
<td>Nursery</td>
</tr>
<tr>
<td>010404</td>
<td>Rehabilitation area</td>
</tr>
</tbody>
</table>

#### Laboratories other than medical laboratories

<table>
<thead>
<tr>
<th>Code</th>
<th>Working Place</th>
</tr>
</thead>
<tbody>
<tr>
<td>010501</td>
<td>Assay laboratory</td>
</tr>
<tr>
<td>010502</td>
<td>Coal laboratory</td>
</tr>
</tbody>
</table>

#### Machinery house (mechanical room)

<table>
<thead>
<tr>
<th>Code</th>
<th>Working Place</th>
</tr>
</thead>
<tbody>
<tr>
<td>010601</td>
<td>Boiler house/room</td>
</tr>
<tr>
<td>010602</td>
<td>Compressor house/room</td>
</tr>
<tr>
<td>010603</td>
<td>Fanhouse/chamber</td>
</tr>
<tr>
<td>010604</td>
<td>Pump station/chamber</td>
</tr>
<tr>
<td>010605</td>
<td>Winch engine room/chamber</td>
</tr>
<tr>
<td>010606</td>
<td>Winding engine room</td>
</tr>
</tbody>
</table>

#### Medical

<table>
<thead>
<tr>
<th>Code</th>
<th>Working Place</th>
</tr>
</thead>
<tbody>
<tr>
<td>010701</td>
<td>Dressing station</td>
</tr>
<tr>
<td>010702</td>
<td>Hospital</td>
</tr>
<tr>
<td>010703</td>
<td>Medical laboratories</td>
</tr>
</tbody>
</table>

#### Offices

<table>
<thead>
<tr>
<th>Code</th>
<th>Working Place</th>
</tr>
</thead>
<tbody>
<tr>
<td>010801</td>
<td>Offices</td>
</tr>
<tr>
<td>010802</td>
<td>Security department</td>
</tr>
</tbody>
</table>
PLANTS

Beneficiation plants

010911 Acid plant
010912 Concentrator
010913 Crushing plant
010914 Milling plant
010915 Pyro metallurgy (heating/smelting/roasting)
010916 Screening
010917 Smelter (platinum)
010918 Treatment plant including washing plants and grease tables

Other Plants:

010921 Refrigeration/chilled ice
010922 Sewerage
010923 Timber treatment plant
010924 Water purification

Recreation facilities

011001 Bar
011002 Playing fields
011003 Swimming pool

Shaft area

011101 Change house
011102 Lamproom
011103 Laundry
011104 Personnel crush

Shaft bank

011201 Inclined shaft bank
011202 Inclined shaft headgear
011203 Loading box
011204 Sinking shaft bank area
011205 Sinking shaft headgear
011206 Vertical shaft bank
011207 Vertical shaft headgear

Storage areas

011301 Backfill dams
011302 Dam or sump
011303 Drawpoint
011304 Salvage yard/scrap yard
011305 Silo or bunker
011306 Slimes dam/residue deposit
011307 Stockpiles
011308 Store or store yard
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>011309</td>
<td>Timber yard or treatment plant</td>
</tr>
<tr>
<td>011310</td>
<td>Waste dump</td>
</tr>
<tr>
<td>011401</td>
<td>Training centre</td>
</tr>
<tr>
<td>011501</td>
<td>Conveyor discharge point</td>
</tr>
<tr>
<td>011502</td>
<td>Conveyor loading point</td>
</tr>
<tr>
<td>011503</td>
<td>Conveyor transfer point</td>
</tr>
<tr>
<td>011504</td>
<td>Endless rope haulage</td>
</tr>
<tr>
<td>011505</td>
<td>Haul road</td>
</tr>
<tr>
<td>011506</td>
<td>Hydraulic transfer</td>
</tr>
<tr>
<td>011507</td>
<td>Overland conveyor way</td>
</tr>
<tr>
<td>011508</td>
<td>Railway line</td>
</tr>
<tr>
<td>011509</td>
<td>Road</td>
</tr>
<tr>
<td>011510</td>
<td>Siding</td>
</tr>
<tr>
<td>011511</td>
<td>Walkway</td>
</tr>
<tr>
<td>011601</td>
<td>Blacksmith shop</td>
</tr>
<tr>
<td>011602</td>
<td>Boilermaking or welding shop</td>
</tr>
<tr>
<td>011603</td>
<td>Carpenter shop</td>
</tr>
<tr>
<td>011604</td>
<td>Drill sharpening shop</td>
</tr>
<tr>
<td>011605</td>
<td>Electrical shop</td>
</tr>
<tr>
<td>011606</td>
<td>Fitting shop</td>
</tr>
<tr>
<td>011607</td>
<td>Foundry</td>
</tr>
<tr>
<td>011608</td>
<td>Garage (motor vehicles)</td>
</tr>
<tr>
<td>011609</td>
<td>Loco shed or repair bay</td>
</tr>
<tr>
<td>011610</td>
<td>Other workshops (not repair bays)</td>
</tr>
<tr>
<td>011611</td>
<td>Paint shop</td>
</tr>
<tr>
<td>011612</td>
<td>Plumber shop</td>
</tr>
<tr>
<td>011613</td>
<td>Service bay</td>
</tr>
<tr>
<td>011614</td>
<td>Vehicle maintenance</td>
</tr>
<tr>
<td>011701</td>
<td>Brick yard\dressing yard</td>
</tr>
<tr>
<td>011702</td>
<td>Other</td>
</tr>
</tbody>
</table>
## 02 UNDERGROUND

### Category of Working Place

**Mineral excavation**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>020101</td>
<td>Bord and pillar (Conventional)</td>
</tr>
<tr>
<td>020102</td>
<td>Bord and pillar (Continuous haulage)</td>
</tr>
<tr>
<td>020103</td>
<td>Bord and pillar (Continuous miner)</td>
</tr>
<tr>
<td>020104</td>
<td>Goaf</td>
</tr>
<tr>
<td>020105</td>
<td>Longwall</td>
</tr>
<tr>
<td>020106</td>
<td>Rib pillar</td>
</tr>
<tr>
<td>020107</td>
<td>Shortwall</td>
</tr>
<tr>
<td>020108</td>
<td>Stoooping</td>
</tr>
<tr>
<td>020109</td>
<td>Travelling road</td>
</tr>
<tr>
<td>020110</td>
<td>Return airway</td>
</tr>
<tr>
<td>020111</td>
<td>Boxhole or orepass/muckbay</td>
</tr>
<tr>
<td>020112</td>
<td>Centre gully</td>
</tr>
<tr>
<td>020113</td>
<td>Ledging stope</td>
</tr>
<tr>
<td>020114</td>
<td>Stope entrance/travelling way</td>
</tr>
<tr>
<td>020115</td>
<td>Stope reclamation area</td>
</tr>
<tr>
<td>020116</td>
<td>Stope working face</td>
</tr>
<tr>
<td>020117</td>
<td>Stope worked out area</td>
</tr>
<tr>
<td>020118</td>
<td>Strike gully or cutting</td>
</tr>
<tr>
<td>020119</td>
<td>Tip</td>
</tr>
<tr>
<td>020120</td>
<td>Travelling way (stope proper)</td>
</tr>
<tr>
<td>020121</td>
<td>Updip stope</td>
</tr>
<tr>
<td>020122</td>
<td>Cut and fill</td>
</tr>
<tr>
<td>020123</td>
<td>Open stopes</td>
</tr>
<tr>
<td>020124</td>
<td>Block caving/sub-level caving/sub-level stoping</td>
</tr>
<tr>
<td>020125</td>
<td>Waiting place</td>
</tr>
</tbody>
</table>

**Mine development**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>020201</td>
<td>Boxhole or orepass</td>
</tr>
<tr>
<td>020202</td>
<td>Crosscut or drawpoint crosscut</td>
</tr>
<tr>
<td>020203</td>
<td>Development or reef drive</td>
</tr>
<tr>
<td>020204</td>
<td>Haulage</td>
</tr>
<tr>
<td>020205</td>
<td>Raise (incl. poleway)</td>
</tr>
<tr>
<td>020206</td>
<td>Raisebore hole (excl. shafts)</td>
</tr>
<tr>
<td>020207</td>
<td>Return airway</td>
</tr>
<tr>
<td>020208</td>
<td>Ringtunnel</td>
</tr>
<tr>
<td>020209</td>
<td>Winze</td>
</tr>
</tbody>
</table>

**Electrical**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>020301</td>
<td>Electrical reticulation network</td>
</tr>
<tr>
<td>020302</td>
<td>Substation</td>
</tr>
</tbody>
</table>
Machinery room/chamber

020401  Compressed air plant
020402  Hoist chamber
020403  Pumpstation

Plants

020501  Refrigeration/chilled ice
020502  Water purification

Shaft area

020601  Boxhole or orepass
020602  First aid station
020603  Incline shaft travelling way
020604  Refuge chamber
020605  Shaft station tip
020606  Sinking shaft travelling way
020607  Vertical shaft travelling way
020608  Waiting place
020609  Adit

Shaft

020701  Headgear tipping point (vertical/inclined)

020702  Inclined shaft bank area
020703  Inclined shaft
020704  Inclined shaft headgear
020705  Inclined shaft loading box
020706  Loading station
020707  Raise borer (shaft)
020708  Shaft station
020709  Sinking shaft
020710  Sinking shaft bank area
020711  Sinking shaft bottom
020712  Sinking shaft headgear
020713  Sinking shaft loading box
020714  Sinking stage
020715  Vertical shaft
020716  Vertical shaft bank area
020717  Vertical shaft bottom
020718  Vertical shaft headgear
020719  Vertical shaft loading box
020720  Cage/skip/conveyance

Storage areas

020801  Backfill dams
020802  Dam or sump
020803  Explosives store/magazine
020804  Residue deposition (ashfilling/backfilling)
Stores
Bunker

Transport systems
Chairlift
Conveyor belt roadway
Conveyor discharge point
Conveyor loading point
Conveyor transfer point (belt to belt)
Crosscut
Endless rope haulage
Haul road/travelling way
Haulage
Loading box
Mono winch way
Railway line
Tips

Workshops
Blacksmith shop
Boilermaking or welding shop
Carpenter shop
Drill sharpening shop
Electrical shop
Fitting shop
Garage (motor vehicles)
Loco shed or repair bay
Paint shop
Plumber shop
Service bay
Vehicle maintenance
Other workshops (not repair bays)
Refuelling bays
Battery charging stations

Other
Acclimatisation area
Refuge chamber
Training area
03  OPENCAST (pit mining)

Category of working place

**NOTE** that areas such as workshops, plants, offices etc. will not occur under this classification and should rather be placed at the surface groupings.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>030101</td>
<td>Berm</td>
</tr>
<tr>
<td>030102</td>
<td>Opencast</td>
</tr>
<tr>
<td>030103</td>
<td>Pit bottom</td>
</tr>
</tbody>
</table>

**Transport Systems**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>030201</td>
<td>Conveyor discharge point</td>
</tr>
<tr>
<td>030202</td>
<td>Conveyor loading point</td>
</tr>
<tr>
<td>030203</td>
<td>Conveyor transfer point</td>
</tr>
<tr>
<td>030204</td>
<td>Haul road</td>
</tr>
<tr>
<td>030205</td>
<td>Overland conveyor way</td>
</tr>
<tr>
<td>030206</td>
<td>Railway line</td>
</tr>
<tr>
<td>030207</td>
<td>Siding</td>
</tr>
<tr>
<td>030208</td>
<td>Tips/ore passes/chutes</td>
</tr>
</tbody>
</table>

**Workshops**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>030301</td>
<td>Maintenance/service bay</td>
</tr>
</tbody>
</table>

04  SURFACE MINING

Category of working place

**Mineral mining**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>040101</td>
<td>Dam reclamation</td>
</tr>
<tr>
<td>040102</td>
<td>Surface working/processing</td>
</tr>
<tr>
<td>040103</td>
<td>Waste dump reclamation</td>
</tr>
</tbody>
</table>

05  AQUATIC MINING

**NOTE**: Accidents that occur whilst the ship/boat/oilrig is travelling or being transported, should not be classified as a reportable accident as they fall under Marine legislation. It is only when the ship/boat/oilrig is in position and operating that a mining related accident can occur.

Category of working place

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>050001</td>
<td>At sea</td>
</tr>
<tr>
<td>050002</td>
<td>Platforms</td>
</tr>
</tbody>
</table>
050003  Diving vessels
050004  Floating process vessels
050005  On land
050006  River mining
050007  Dredges
ITEM 8.  NAME OF WORKING PLACE

Name of the working place where the accident happened as indicated on the mine plan. This plan, as prescribed in Chapter 17 of the MHSA, is to be kept in the office of the mine manager or an office designated by him.

ITEM 9.  DEPTH BELOW THE SURFACE (IN METRES)

The depth in metres below surface at which the accident occurred. This field applies only to underground and opencast mining, where depth is reflected as excavated depth.

ITEM 10.  SECTION

NOTE: Name or codification given by mine must remain the same on all the accident report forms, as consistency for name of working place is important. Shift boss or mine overseer’s section or cost coding number can be used if this is the practice on the mine.

ITEM 11.  DESCRIPTION OF ACCIDENT OR DANGEROUS OCCURRENCE IN WORDS

Narrative description of what happened. This should indicate clearly how and why the accident occurred, and the classification should be evident from the description.
ITEM 12.  ACCIDENT CLASSIFICATION CODE

*Item 12 to be used only when a person has been injured/disabled/killed. If no person was injured/disabled/killed, use Item 13 – Dangerous Occurrence Classification Codes.*

**01 Fall of ground**

All fall of ground accidents should be further classified into the categories provided.

*For each fall of ground accident resulting in a fatality, Addendum 3 (SAMRASS 3 Form) at the back of this Codebook, must also be submitted. See Regulation 23.3 (1)*

**Rockburst (bump)**

Rockbursts are those accompanied by positive signs of rapid closure of the excavations. This should be evident from fresh distortion of the supports, the face, hangingwall or sidewall. There should also be evidence of positive movement and energy release in the area at the time of the event. Falls which occur due to remote seismic activity must be classified as 01C: Gravity.

- 01A001 Face
- 01A002 Hanging wall
- 01A003 Sidewall
- 01A004 Footwall

**Strainburst**

Strainbursts are those involving spitting, flaking, scaling, or slabbing of the face or sidewall caused by the stress which occur instantaneously but are not associated with rapid closure. Flaking, scaling or slabbing which has taken place over a period of time and the fall that occurred as a result of gravity should be classified as 01C: Gravity.

- 01B001 Face
- 01B002 Hanging wall
- 01B003 Sidewall
- 01B004 Footwall

**Gravity**

Gravity falls are falls of ground which originate from their places in situ and do not fall into the two previous categories. *An accident resulting from a falling rock striking someone after it has come into contact with the footwall, should be classified as 04A220 Rolling Rock. (see 04 General)*

- 01C001 Face
- 01C002 Hanging wall
- 01C003 Sidewall
- 01C004 Footwall
- 01C005 Brow
02 Machinery, tools and equipment

These classifications should only be used for classifying accidents caused by and during the operation of the machinery. Electrocution during operation must be classified as 06. Machinery is used as defined in the regulations.

Conveyor belts

02A001 Head pulley
02A002 Snub pulley
02A003 Tail pulley
02A004 Idler
02A005 Tension carriage
02A006 Loading/transfer chute
02A007 Feederbreaker
02A008 Other (specify)

Drives, belts and chains

02B001 V-belt
02B002 Flat belt
02B003 Chain
02B004 Gears
02B005 Other (specify)

Portable power tools

This classification includes any hand tools which are operated by an external power source such as electricity, compressed air or hydraulics.

02C001 Coal drill
02C002 Rock drill
02C003 Portable electric tools
02C004 Other portable power tools
02C005 Aqua-jet \ water-jet

Other machinery not included under transportation and mining

02D001 Crushers
02D002 Fans
02D003 Processing plant equipment
02D004 (Specify)

03 Transportation and mining

Trackbound transport

These classifications should only be used for classifying accidents which occur as a result of the operation of the equipment.

Locomotive

0301A1 Diesel
0301A2 Battery
0301A3 Overhead trolley
0301A4 Diesel-electric
0301A5 Steam
0301A6 Other (specify)
**Locomotive drawn vehicle**
*For personnel transporters use 0301F*

- 0301B1  Hopper
- 0301B2  Other (specify)

**Rerailing**

- 0301C1  Rerailing
Accidents occurring during the rerailing of any railbound vehicle must be classified under this heading.

**Coupling/uncoupling**

- 0301D1  Coupling/uncoupling
Accidents occurring during the coupling/uncoupling of any railbound vehicles and during the coupling/uncoupling of any trailers must be classified under this heading.

**Loading equipment (trackbound)**

- 0301E1  Rocker arm shovel (boesman)

**Personnel transport**

- 0301F1  Bicycle
- 0301F2  Mancarriage
- 0301F3  Other

**Other**

- 0301G1  rail switches
- 0301G2  Tips
- 0301G3  Other (Specify)
Any trackbound transport not mentioned elsewhere above.

**Endless rope vehicle**

- 0302A1  Endless rope vehicle
- 0302A2  Chair lift
All accidents involving the driving machinery, haulage rope and attachments (including vehicles).

**Winches**

- 0303A1  Single drum winch
All accidents involving these machines, excluding runaways (05F). This classification does not include mono-rope installations.

- 0303A2  Double drum winch
All accidents involving these machines, excluding runaways (05F). This classification does not include scraper winch installations.

**Scraper winch installation**
All accidents involving driving machinery, ropes, snatchblocks, attachments, rigs etc.

- 0303B1  Face scraper
- 0303B2  Gully scraper
- 0303B3  Remote controlled
- 0303B4  Other (specify)
Mono-rope/rail installations

0303C1  Mono-rope installation
0303C2  Mono-rail installation
Hand tramming

Hand tramming

All accidents directly caused by any vehicle which is being propelled by hand, whether it is railbound or not. Slipping etc. during operation is excluded.

Trackless transport

Tractor

Towed vehicles (including trailers)

Any accident caused during the operation of the trailer, semi-trailer or other vehicle normally attached to the towing vehicle.

Drawn by tractor
Drawn by a vehicle other than the tractor
Uncoupled trailer
Other (specify)

Coal mining machines

Coal cutter
Mechanical miners, e.g. continuous miners, road headers.
Shearer/longwall/shortwall mining equipment

Mechanical loaders: all mines (trackless)

Rocker arm shovel (boesman)
Gathering arm coal loader
Excavator
Dragline
Backhoe (backactor)
Stacker/reclaimer
Bucketweel excavator
Grab
Front end loader
Other mechanical loaders (specify)

Transporters

Shuttle car
L H D (load haul dumper)
Scooptram
Haultruck:
0-9 ton
10-19 ton
20-99 ton
100-199 ton
200-299 ton
>300 ton
Motor cycle
Bicycle: pneumatic tyre
Multi purpose vehicle or utility vehicle
Other transporters (specify)

Motor vehicles
0309A1  Car
0309A2  LDV
0309B1  Bus
0309B2  Personnel transporter
0309C1  Trucks (excluding haultruck)
          See 0310A4 for a jib or boom on a truck
0309D1  Other motor vehicles(specify)

Lifting machines

All accidents involving the load falling due to any reason other than the failure of the machine, should be
classified as fall of material (04A).

Crane, jib, or crabwinch

0310A1  Mobile crane
0310A2  Overhead crane
0310A3  Crabwinch
0310A4  Jib or boom on a truck
0310B1  Raiseclimber
0310C1  Forklift
0310D1  Bosun chair
0310E1  Chainblock
0310E2  Ropeblock
0310F1  Other lifting machines (specify)
0310G1  Scissors lift, or platform lift (for raising or lowering persons)

Drilling

0311A1  Roofbolter
0311B1  Hydraulic drill rig0311B2  Pneumatic drill rig

Other transportation and mining equipment

Use only in cases where no specific classification is available.

0312A1  Bulldozer
0312B1  Road grader
0312C1  Scaler
0312D1  Other (specify)

04  General

Fall of material/rolling rock

Any material falling freely or any other material or rock rolling after falling, or stacked material rolling or
falling should be classified under this category, as well as falling objects during repairs to
machines/equipment.

04A110  Fall of material
04A120  Rolling material
04A220  Rolling rock (mineral, not fall of ground)
Manual handling of material/mineral

Manual handling of material
04B101 Loading
04B102 Offloading
04B103 Carrying
04B104 Rolling
04B105 Pushing
04B106 Pulling
04B107 Lifting
04B108 Lowering

Manual handling of mineral
04B201 Loading
04B202 Offloading
04B203 Carrying
04B204 Rolling
04B205 Pushing
04B206 Pulling
04B207 Lifting
04B208 Lowering

Falling in/from

Persons free-falling in shafts, excavations and from structures. Falling from structures includes falling from stationary machines.

04C001 In shafts
04C002 In excavations
04C003 From structures
04C004 From machines

Slipping and falling

A person that is running, walking or standing, including slipping, tripping over, stumbling or overbalancing on more or less the same level.

For falls into excavations, use 04C

04D001 Slipping
04D002 Tripping over
04D003 Stumbling
04D004 Overbalancing

Burning and scalding

Burning and scalding due to electricity must be classified as 06.

04E001 Naked flame
04E002 Hot surface
04E003 Hot liquid
04E004 Steam
04E005 Chemical
04E006 Cement

For cement as a chemical, use 04E005

04E007 Other
<table>
<thead>
<tr>
<th>Splinters</th>
</tr>
</thead>
<tbody>
<tr>
<td>04F001  Wood</td>
</tr>
<tr>
<td>04F002  Metal</td>
</tr>
<tr>
<td>04F003  Rock</td>
</tr>
<tr>
<td>04F004  Other (specify)</td>
</tr>
</tbody>
</table>

- 

<table>
<thead>
<tr>
<th>Explosion</th>
</tr>
</thead>
<tbody>
<tr>
<td>04G101  Methane</td>
</tr>
<tr>
<td>04G102  Coal dust</td>
</tr>
<tr>
<td>04G103  Hydrogen</td>
</tr>
<tr>
<td>04G105  Carbon dioxide</td>
</tr>
<tr>
<td>04G106  Carbon monoxide</td>
</tr>
<tr>
<td>04G107  Hydrogen sulphide</td>
</tr>
<tr>
<td>04G108  Other (specify)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ignition</th>
</tr>
</thead>
<tbody>
<tr>
<td>04G201  Methane</td>
</tr>
<tr>
<td>04G202  Coal dust</td>
</tr>
<tr>
<td>04G203  Hydrogen</td>
</tr>
<tr>
<td>04G205  Carbon dioxide</td>
</tr>
<tr>
<td>04G206  Carbon monoxide</td>
</tr>
<tr>
<td>04G207  Hydrogen sulphide</td>
</tr>
<tr>
<td>04G208  Other (specify)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Inhalation (gassing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>04G301  Methane</td>
</tr>
<tr>
<td>04G303  Hydrogen</td>
</tr>
<tr>
<td>04G304  Blasting fumes</td>
</tr>
<tr>
<td>04G305  Carbon dioxide</td>
</tr>
<tr>
<td>04G306  Carbon monoxide</td>
</tr>
<tr>
<td>04G307  Hydrogen sulphide</td>
</tr>
<tr>
<td>04G308  Other (specify)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Inundation/drowning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Persons engulfed or drawn in by water, slime, rock or sand;</td>
</tr>
<tr>
<td>include mudrush and drowning, collapse of sand, ash, fines, residue deposit etc.;</td>
</tr>
<tr>
<td>also includes inundation whilst removing material from a dump or silo;</td>
</tr>
<tr>
<td>being drawn into a bin or orepass/rockpass.</td>
</tr>
</tbody>
</table>

| 04H001  Engulfed by |
| 04H002  Drawn in by |
| 04H003  Drowned (fatal) |
Struck by ventilation door
04J002 As a result of impact with
04J003 As a result of opening /closing of air lock etc.
04J004 Other (specify)

Struck by any object being physically handled by a worker
04K001 Struck by any object being physically handled by a worker

05 Conveyance accidents (shaft/winze)

These classifications only apply to the conveyance specified.
For railbound and trackless personnel transporters use 0301B2 or 0308G respectively.

Struck by

05A001 Cage
05A002 Skip
05A003 Kibble
05A004 Trailer (shaft conveyance)
05A005 Inspection conveyance
05A006 Elevator
05A007 Chair lift
05A008 Other conveyance (specify)

Struck by counterpoise of

05B001 Cage
05B002 Skip
05B003 Kibble
05B004 Trailer (shaft conveyance)
05B005 Inspection conveyance
05B006 Elevator
05B008 Other (specify)

Travelling by

05C001 Cage
05C002 Skip
05C003 Kibble
05C004 Trailer (shaft conveyance)
05C005 Inspection conveyance
05C006 Elevator
05C007 Chair lift
05C008 Other conveyance (specify)
05C009 Ladder (shaft/winze/travelling way)

Conveyance: breaking of rope or connections

In new regulations, all vertical and inclined winzes are considered to be shafts. Therefore, codes applying to winzes are not use in new SAMRASS codesets; hence the breaks in numbering in Section 05D.

Breaking of haulrope

05D101 Vertical shaft
05D102 Inclined shaft
05D105 Hatchway/elevator
05D106 Other (specify)
Breaking of tail rope
05D201  Vertical shaft
05D202  Inclined shaft
05D205  Hatchway/elevator
05D206  Other (specify)

Breaking of connections
05D301  Vertical shaft
05D302  Inclined shaft
05D305  Hatchway/elevator
05D306  Other (specify)

OVERWINDS OR UNDERWINDS

Overwind of conveyance
05E101  Vertical shaft
05E102  Inclined shaft
05E105  Hatchway/elevator
05E106  Other (specify)

Underwind of conveyance
05E201  Vertical shaft
05E202  Inclined shaft
05E205  Hatchway/elevator
05E206  Other (specify)

Runaway of conveyance
05F101  Vertical shaft
05F102  Inclined shaft
05F105  Hatchway/elevator
05F106  Other runaway (specify)

Derailment of conveyance
05F201  Vertical shaft
05F202  Inclined shaft
05F205  Hatchway/elevator
05F206  Other derailment (specify)

Conveyance leaving guides
05F301  Vertical shaft
05F302  Inclined shaft
05F305  Hatchway/elevator
05F306  Other “leaving guides” (specify)

Jamming of conveyance
05F401  Vertical shaft
05F402  Inclined shaft
05F405  Hatchway/elevator
05F406  Other
06 Electricity (not causing fires)

*For fires caused by electricity use codes 07G*

**Electrocution (fatal)**

<table>
<thead>
<tr>
<th>AC</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>06A101</td>
<td>Low pressure (not exceeding 250V)</td>
</tr>
<tr>
<td>06A102</td>
<td>Medium pressure (above 250V but not exceeding 650V)</td>
</tr>
<tr>
<td>06A103</td>
<td>High pressure (above 650V but not exceeding 3000V)</td>
</tr>
<tr>
<td>06A104</td>
<td>Extra high pressure (exceeding 3000V)</td>
</tr>
</tbody>
</table>

**Electric shock**

<table>
<thead>
<tr>
<th>AC</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>06B101</td>
<td>Low pressure (not exceeding 250V)</td>
</tr>
<tr>
<td>06B102</td>
<td>Medium pressure (above 250V but not exceeding 650V)</td>
</tr>
<tr>
<td>06B103</td>
<td>High pressure (above 650V but not exceeding 3000V)</td>
</tr>
<tr>
<td>06B104</td>
<td>Extra high pressure (exceeding 3000V)</td>
</tr>
</tbody>
</table>

**Electric flash**

<table>
<thead>
<tr>
<th>AC</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>06C101</td>
<td>Low pressure (not exceeding 250V)</td>
</tr>
<tr>
<td>06C102</td>
<td>Medium pressure (above 250V but not exceeding 650V)</td>
</tr>
<tr>
<td>06C103</td>
<td>High pressure (above 650V but not exceeding 3000V)</td>
</tr>
<tr>
<td>06C104</td>
<td>Extra high pressure (exceeding 3000V)</td>
</tr>
</tbody>
</table>

**Equipment exploding**  Switchgear but not transformers

<table>
<thead>
<tr>
<th>AC</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>06D101</td>
<td>Low pressure (not exceeding 250V)</td>
</tr>
<tr>
<td>06D102</td>
<td>Medium pressure (above 250V but not exceeding 650V)</td>
</tr>
<tr>
<td>06D103</td>
<td>High pressure (above 650V but not exceeding 3000V)</td>
</tr>
<tr>
<td>06D104</td>
<td>Extra high pressure (exceeding 3000V)</td>
</tr>
</tbody>
</table>

**Transmission equipment**  Include overhead powerlines, cables and transformers.

<table>
<thead>
<tr>
<th>AC</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>06E101</td>
<td>Low pressure (not exceeding 250V)</td>
</tr>
<tr>
<td>06E102</td>
<td>Medium pressure (above 250V but not exceeding 650V)</td>
</tr>
<tr>
<td>06E103</td>
<td>High pressure (above 650V but not exceeding 3000V)</td>
</tr>
<tr>
<td>06E104</td>
<td>Extra high pressure (exceeding 3000V)</td>
</tr>
</tbody>
</table>
Oil burns to person
Oil from a transformer or switchgear that exploded or short-circuited.

<table>
<thead>
<tr>
<th>AC</th>
<th>06F101</th>
<th>Low pressure (not exceeding 250V)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>06F102</td>
<td>Medium pressure (above 250V but not exceeding 650V)</td>
</tr>
<tr>
<td></td>
<td>06F103</td>
<td>High pressure (above 650V but not exceeding 3000V)</td>
</tr>
<tr>
<td></td>
<td>06F104</td>
<td>Extra high pressure (exceeding 3000V)</td>
</tr>
<tr>
<td>DC</td>
<td>06F201</td>
<td>Low pressure (not exceeding 250V)</td>
</tr>
<tr>
<td></td>
<td>06F202</td>
<td>Medium pressure (above 250V but not exceeding 650V)</td>
</tr>
<tr>
<td></td>
<td>06F203</td>
<td>High pressure (above 650V but not exceeding 3000V)</td>
</tr>
<tr>
<td></td>
<td>06F204</td>
<td>Extra high pressure (exceeding 3000V)</td>
</tr>
</tbody>
</table>

07  Fires

Please note the following:
- See 04G101 to 04G108 for an explosion not causing a fire.
- See 06 for electricity not causing a fire.

繁荣 For each accident or dangerous occurrence resulting from a fire, Addendum 6
（SAMRASS 6 Form）at the back of this Codebook, must also be submitted. See Regulation 23.3(4)

<table>
<thead>
<tr>
<th>07A001</th>
<th>Explosives</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Causing a fire (see also codes 08 Explosives).</td>
</tr>
<tr>
<td>07B001</td>
<td>Igniter cord</td>
</tr>
<tr>
<td>07C001</td>
<td>Spontaneous combustion</td>
</tr>
<tr>
<td>07D001</td>
<td>Friction</td>
</tr>
<tr>
<td>07E001</td>
<td>Openflame (oxy-acetylene torch, blow lamp, gas film etc.)</td>
</tr>
<tr>
<td>07F001</td>
<td>Cutting or welding</td>
</tr>
<tr>
<td>07G001</td>
<td>Electrical Causing a fire (see also 04G1).</td>
</tr>
<tr>
<td>07J001</td>
<td>Explosions such as coal dus/gast causing a fire</td>
</tr>
<tr>
<td>07K001</td>
<td>Other fires (specify)</td>
</tr>
</tbody>
</table>

08  Explosives and accessories

Detailed descriptions of explosives concerned are to be supplied in the addendum.

繁荣 For each accident or dangerous occurrence resulting from the use of explosives, Addendum 5
（SAMRASS 5 Form）at the back of this Codebook, must also be submitted. See Regulation 23.3 (3)

<table>
<thead>
<tr>
<th>08A001</th>
<th>While drilling</th>
</tr>
</thead>
<tbody>
<tr>
<td>08B001</td>
<td>While handling</td>
</tr>
<tr>
<td>08C001</td>
<td>While charging</td>
</tr>
<tr>
<td>08D001</td>
<td>While withdrawing charges</td>
</tr>
<tr>
<td>08E001</td>
<td>During blasting operations</td>
</tr>
<tr>
<td>08F001</td>
<td>Other (specify) (eg stray currents)</td>
</tr>
<tr>
<td>08G001</td>
<td>While dealing with misfires</td>
</tr>
</tbody>
</table>
09 Subsidence or caving

Subsidence due to total extraction of coal to be excluded.

Subsidence has taken place when there is a visible effect on the surface, e.g. a sinkhole.

Caving has taken place when a large area underground has caved in, for reasons other than block cavity or total extraction in coal mines.

For each accident or dangerous occurrence resulting from a subsidence or caving, Addendum 7 (SAMRASS 7 Form) at the back of this Codebook, must also be submitted. See Regulation 23.3 (5)

Subsidence as a result of:
- 09A001 Sinkhole
- 09A002 Mining operations
- 09A003 Underground fire
- 09A004 Other causes (specify)

Caving as a result of:
- 09B001 Sinkhole
- 09B002 Mining operations
- 09B003 Underground fire
- 09B004 Other causes (specify)

Note: If no injuries occurred during the subsidence or caving, make use of the dangerous occurrences classifications in Item 13. Use DA0101 etc where applicable.

10 Occupational diseases (non-diving)

The following must be classed as accidents:

Acid or alkali burns, boot chafe, baratrauma, dermatitis, sepsis (including cellulitis and tetanus) and sporotrichosis, any of which constitute or arise from an injury received as the direct result of employment at a mine or works.

(Please note that this section may be transferred to the Directorate of Occupational Health of the Department of Minerals and Energy in future when the Occupational Diseases Database is created and will include Noise Induced Hearing Loss (NIHL) and pneumoconiosis)

- 10A000 Baratrauma (ear infection due to pressure)
- 10B000 Cellulitis (tissue infection)
- 10C000 Dermatitis (skin disease)
- 10D000 Sepsis (blood poisoning)
- 10E000 Sporotrichosis (moss)
- 10F000 Tetanus (lockjaw)
- 10G000 Boot chafe

11 Heat sickness

For each accident resulting from heat stroke or heat exhaustion, Addendum 8 (SAMRASS 8 Form) at the back of this Codebook, must also be submitted. See Regulation 23.3(6)

- 11A000 Heat stroke
- 11B000 Heat exhaustion
12  **Diving sickness**

12A000  Asphyxiation (suffocation - fatal)

*Use injury code X99.*

12B000  Decompression sickness (bends)

12C000  Carbon dioxide poisoning

12D000  Carbon monoxide poisoning

12E000  Gas embolism

12F000  Oxygen

12G000  Treatment in decompression chamber (not for bends)

12H000  Squeezes or Baratrauma (pressure)

12J000  Other (specify)

13  **Miscellaneous (specify)**

An accident which cannot be classified under any of the above headings must be classified here. The description of the accident must be accurate so as to ensure that, if possible, codes can be added in future to accommodate these accidents. These accidents will be analysed annually so as to determine whether new classifications are required.

13Z000  No definitive classification.
ITEM 13. DANGEROUS OCCURRENCE CLASSIFICATION CODE

Winding plants referred to here are those as defined in terms of the Regulations.

Winding plant: running out of control
Regulation 23.4 (h) (i)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA0101</td>
<td>Winding engine</td>
</tr>
<tr>
<td>AA0102</td>
<td>Winding drum</td>
</tr>
<tr>
<td>AA0103</td>
<td>Conveyance</td>
</tr>
</tbody>
</table>

Winding plant: fracture or failure of
Regulation 23.4 (h) (ii)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AB0101</td>
<td>Drum</td>
</tr>
<tr>
<td>AB0102</td>
<td>Drum shaft</td>
</tr>
<tr>
<td>AB0103</td>
<td>Drum bushes</td>
</tr>
<tr>
<td>AB0104</td>
<td>Main bearings</td>
</tr>
<tr>
<td>AB0105</td>
<td>Clutch</td>
</tr>
<tr>
<td>AB0106</td>
<td>Gearbox</td>
</tr>
<tr>
<td>AB0107</td>
<td>Driving water</td>
</tr>
<tr>
<td>AB0108</td>
<td>Lubricating system</td>
</tr>
<tr>
<td>AB0109</td>
<td>Interlocking or safety device</td>
</tr>
<tr>
<td>AB0110</td>
<td>Signalling system</td>
</tr>
<tr>
<td>AB0111</td>
<td>Any other essential part</td>
</tr>
</tbody>
</table>

Winding plant: fracture/failure of rope/connection
Regulation 23.4 (h) (iii).

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC0101</td>
<td>Winding rope</td>
</tr>
<tr>
<td>AC0102</td>
<td>Connection between winding</td>
</tr>
<tr>
<td></td>
<td>rope and drum</td>
</tr>
<tr>
<td>AC0103</td>
<td>Connection between</td>
</tr>
<tr>
<td></td>
<td>winding rope and conveyance</td>
</tr>
<tr>
<td>AC0104</td>
<td>Connection between rope</td>
</tr>
<tr>
<td></td>
<td>and attached load</td>
</tr>
<tr>
<td>AC0105</td>
<td>Connection between</td>
</tr>
<tr>
<td></td>
<td>conveyances</td>
</tr>
<tr>
<td>AC0106</td>
<td>Connection between</td>
</tr>
<tr>
<td></td>
<td>conveyance and attached</td>
</tr>
<tr>
<td></td>
<td>load</td>
</tr>
<tr>
<td>AC0107</td>
<td>Fracture of guide rope</td>
</tr>
<tr>
<td></td>
<td>or its connections</td>
</tr>
<tr>
<td>AC0108</td>
<td>Fracture of balance or tail</td>
</tr>
<tr>
<td></td>
<td>rope or its connections</td>
</tr>
</tbody>
</table>

Winding plant: fracture/failure of sheave/shaft/bearings
Regulation 23.4 (h) (iv)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AD0101</td>
<td>Winding rope sheave</td>
</tr>
<tr>
<td>AD0102</td>
<td>Balance rope sheave</td>
</tr>
<tr>
<td>AD0103</td>
<td>Winding rope sheave shaft</td>
</tr>
<tr>
<td></td>
<td>or bearings</td>
</tr>
<tr>
<td>AD0104</td>
<td>Balance rope sheave shaft</td>
</tr>
<tr>
<td></td>
<td>or bearings</td>
</tr>
<tr>
<td>AD0105</td>
<td>Essential part of the headgear</td>
</tr>
<tr>
<td>AD0106</td>
<td>Other sheave support</td>
</tr>
</tbody>
</table>

41
**Winding plant: conveyance/shaft/crosshead**
Regulation 23.4 (h) (v)

AE0101 Jamming of conveyance
AE0102 Accidental overturning of conveyance
AE0103 Conveyance fouling shaft equipment
AE0104 Conveyance load fouling shaft equipment
AE0105 Jamming of crosshead

**Winding plant: derailing**
Regulation 23.4 (h) (vi)

AF0101 Derailing of conveyance

**Winding plant: leaving guides**
Regulation 23.4 (h) (vii)

AG0101 Accidental leaving of guides by conveyance
AG0102 Accidental leaving of guides by bridle
AG0103 Accidental leaving of guides by frame
AG0104 Accidental leaving of guides by crosshead

**Winding plant: fracture/failure of brakes**
Regulation 23.4 (h) (viii)

AH0101 Fracture or failure of brake itself
AH0102 Fracture or failure of brake operating mechanism

**Winding plant: safety catches**
Regulation 23.4(h) (ix)

AI0101 Acting of safety catches when not required
AI0102 Failure to act of safety catches when required

**Winding plant: overwind protection**
Regulation 23.4 (h) (x)

AK0101 Acting of overwind prevention device when not required
AK0102 Failure to act of overwind prevention device when required

**Winding plant: overwind**
Regulation 23.4 (h) (xi)

AK0101 Overwind or over-run of the conveyance

**Winding plant: depth indicator**
Regulation 23.4 (h) (xii)

AL0101 Failure of the depth indicator

**These classifications refer only to lifts and elevators as defined in the regulations.**

**Lifts and elevators: machinery/safety device**
Regulation 23.4 (i) (i)

BA0101 Fracture or failure of any essential part of the driving or operating machinery.
BA0102 Fracture or failure of any safety device used in connection with the elevator.

**Lifts and elevators: rope/attachments**
Regulation 23.4 (i) (ii)

BB0101 Fracture or distortion of elevator rope
BB0102 Fracture or failure of rope attachments

**Lifts and elevators: sheave/shaft/bearings**
Regulation 23.4 (i) (iii)

BC0101 Sheave
BC0102 Sheave shaft or bearings

**Lifts and elevators: jamming car/counterpoise**
Regulation 23.4 (i) (iv)

BD0101 Jamming of lift car
BD0102 Jamming of counterpoise

**Lifts and elevators: brake**
Regulations 23.4 (i) (v)

BE0101 Fracture or failure of brake
BE0102 Fracture or failure of brake operating mechanism

**Lifts and elevators: safety catches**
Regulation 23.4 (i) (vi)

BF0101 Acting of safety catches when not required
BF0102 Failure to act of safety catches when required

**Lifts and elevators: overwind prevention device**
Regulation 23.4 (i) (vi)

BG0101 Acting of the overwind prevention device when not required
BG0102 Failure to act of the overwind prevention device when required

*The following classifications refer only to boilers and pressure vessels as defined in the regulations.*

**Boilers and pressure vessels**
Regulation 23.4 (m)

CAB101 Fracture or failure of boiler drum
CAB103 Fracture or failure of boiler pressure gauge
CAB105 Fracture or failure of boiler pipe
CAB107 Fracture or failure of safety valve (boiler)
CAB109 Fracture or failure of other essential part (boiler)
CAB111 Fracture or failure of boiler feed pump
CAP102 Fracture or failure of pressure vessel receiver
CAP104 Fracture or failure of pressure vessel pressure gauge
CAP106 Fracture or failure of pipe
CAP108 Fracture or failure of safety valve (pressure vessel)
CAP110 Fracture or failure of other essential part (pressure vessel)
Caving/subsidence: extensive caving or subsidence
Regulation 23.4 (b)

DA0101  Sinkhole
DA0102  Subsidence on surface
DA0103  Other (specify)

Note: Where persons were injured or killed, use Item 12 to classify this accident e.g. 09A001 etc.

Explosives (not causing fires)

For each accident or dangerous occurrence resulting from the use of explosives, Addendum 5 (SAMRASS 5 Form) at the back of this Codebook, must also be submitted. See Regulation 23.3(3)

Regulation 23.4 (o)

DB0101  Accidental ignition (not causing a fire)
DB0102  Accidental detonation (not causing a fire)
DB0103  Exposure to blasting fumes (gassing) refer to 04G304 for exposure to blasting fumes where incapacitated and sent for 24 hour observation
DB0104  Other dangerous occurrences due to explosives (specify)

Flow of broken rock
Regulation 23.4 (c)

DC0101  Flooding of considerable portion of workings with water or fluid material
DC0102  Failure of slimes dam
DC0103  Failure of other dam
DC0104  Failure of reservoir
DC0105  Failure of bulkhead or chute
DC0106  Failure of controlling mechanisms

Fires and explosion of gas or dust

For each accident or dangerous occurrence resulting from a fire or explosion, Addendum 6 (SAMRASS 6 Form) at the back of this Codebook, must also be submitted. See Regulation 23.3(4)

Regulation 23.4.(f)

DDA100  Explosives
DDB100  Igniter cord
DDC100  Spontaneous combustion
DDD100  Friction
DDE100  Open flame
DDF100  Cutting or welding
DDG100  Electrical
DDH100  Cigarettes or smoking
DDI100  Methane
DDJ100  Deleted in this SAMRASS version
DDK100  Other

Coal dust
DDL100  Explosion (not causing a fire)
DDL200  Ignition (not causing a fire)

Methane
DDM100  Explosion (not causing a fire)
DDM200  Ignition (not causing a fire)
**Hydrogen**
DDN100  Explosion (not causing a fire)
DDN200  Ignition (not causing a fire)

**Other gas/dust (specify)**
DDO100  Explosion (not causing a fire)
DDO200  Ignition (not causing a fire)

**Main ventilation fan**
Regulation 23.4 (d)
DE0101  Breakdown of any main ventilation fan

**Chairlift: installation**
Regulation 23.4 (n) (i)
EA0101  Fracture or failure of any part of chairlift installation
EA0102  Fracture or failure of safety device of chairlift installation

**Chairlift: driving machinery**
Regulation 23.4 (n) (ii)
EB0101  Fracture or failure of essential part of the driving machinery

**Chairlift: rope/chain**
Regulation 23.4 (n) (iii)
EC0101  Fracture, failure or serious distortion of any rope forming part of the chairlift
EC0102  Fracture, failure or serious distortion of any chain forming part of the chairlift

**Rockbursts**
Regulation 23.4 (a)
FA0101  At least 10 linear meters of working face has been severely damaged
FA0102  At least 25m$^2$ of working area has been severely damaged
FA0103  At least 10 linear meters of gully has been restricted with rock
FA0104  At least 10 linear meters continuous or 30 linear meters cumulative
FA0105  At least 10 m$^3$ of roof or 5m$^3$ of rock has been displaced from the roof
FA0106  At least 10m$^3$ of rock has been freshly displaced

**Falls of Ground**
Regulation 23.4 (a)
FB0101  At least 10 linear meters of working face has been severely damaged
FB0102  At least 25m$^2$ of working area has been severely damaged
FB0103  At least 10 linear meters of gully has been restricted with rock
FB0104  At least 10 linear meters continuous or 30 linear meters cumulative
FB0105  At least 10 m$^3$ of roof or 5m$^3$ of rock has been displaced from the roof
FB0106  At least 10m$^3$ of rock has been freshly displaced

**Power Failure**
Regulation 23.4 (e)
GA0101  Underground power failure

**Flammable gas**
Regulation 23.4 (g)
HA0101  Flammable gas detected for the first time
HA0102  Flammable gas detected again in the same area after 3 months
**Objects falling in shaft**  
Regulation 23.4 (j)

JA0101  Object falling down shaft requiring shaft inspection

**Emergency or Rescue procedures**  
Regulation 23.4 (k)

KA0101  Failure of breathing apparatus  
KA0102  Use of emergency apparatus, procedures or mechanisms

**Self propelled mobile machinery**  
Regulation 23.4 (l)

LA0101  Running out of control

---

**ITEM 14. DID ACCIDENT OR DANGEROUS OCCURRENCE OCCUR DURING NORMAL WORKING HOURS OR OVERTIME?**

*Normal working hours means the hours which a person usually or commonly works a particular shift or time during a day. If for example he is working overtime, this is not to be considered his normal working hours. If a worker works rotating shifts, this should be considered as normal working hours.*

**ITEM 15. DID ACCIDENT OR DANGEROUS OCCURRENCE HAPPEN AT NORMAL WORKPLACE?**

*This is at the place where a person/worker normally has to work, i.e. the area/place where the worker carries out his task for the major portion of his shift.*

*Persons who supervise or carry out service functions of a roving nature do not have “normal” working places and should therefore be indicated as Yes.*

**ITEM 16. AVERAGE NUMBER OF PERSONS AT WORK DURING PREVIOUS MONTH**

Indicate the average number of persons at work (not in service) during the previous month. Make use of the appropriate location codes. This information is required to enable statistical rates to be calculated.
**SAMRASS 1 FORM**

**SECTION C: RESPONSIBLE PERSONS**

<table>
<thead>
<tr>
<th>Name of Manager</th>
<th>Designation</th>
<th>Signature</th>
<th>Date</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>1st LEVEL SUPERVISOR</th>
<th>Identity Number/Passport Number</th>
<th>Certificate No.</th>
<th>Occupation</th>
</tr>
</thead>
<tbody>
<tr>
<td>2nd LEVEL SUPERVISOR</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3rd LEVEL SUPERVISOR</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4th LEVEL SUPERVISOR</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

This section requires the name, identity number or passport number, certificate number (if applicable) occupation code, of the persons immediately in charge of the person who was injured,

For example:

- manager or engineer;
- mine overseer or foreman;
- shiftboss;
- miner or artisan.

The intention is to record the details of the person immediately legally responsible for the injured person/place where as well as when the accident occurred. This infers that this person is certificated or appointed in most instances. The relevant certificate number refers to the certificate of competency as awarded by the Department of Minerals and Energy, e.g. mine overseers certificate. If a person is in an acting capacity, use 000000.

For example:

ITEM 1. Miner 1st level supervisor  
ITEM 2. Shiftboss 2nd level supervisor  
ITEM 3. Mine overseer 3rd level supervisor  
ITEM 4. Manager 4th level supervisor

Similarly, if an artisan’s aide is injured:

ITEM 1. Artisan 1st level supervisor  
ITEM 2. Foreman 2nd level supervisor  
ITEM 3. Senior foreman 3rd level supervisor  
ITEM 4. Engineer 4th level supervisor

The manager of the mine is required to sign this document immediately below this section and thereby verify its contents.
SAMRASS 1 FORM
SECTION D FOR USE BY DME

For use by the Department of Minerals and Energy

<table>
<thead>
<tr>
<th>SECTION D: FOR USE BY THE DEPARTMENT OF MINERALS AND ENERGY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Regional accident or dangerous occurrence number</td>
</tr>
<tr>
<td>2. Date reported</td>
</tr>
<tr>
<td>3. Type of accident or dangerous occurrence</td>
</tr>
<tr>
<td>4. Accident or dangerous occurrence registered by</td>
</tr>
<tr>
<td>5. Inquiry type</td>
</tr>
<tr>
<td>6. Probable cause of accident or dangerous occurrence</td>
</tr>
<tr>
<td>7. Contravention in Inspector’s opinion</td>
</tr>
<tr>
<td>8. If yes, Act/Regulation contravened</td>
</tr>
<tr>
<td>9. Administrative fine recommended?</td>
</tr>
<tr>
<td>10. Date evaluation form completed</td>
</tr>
<tr>
<td>INSPECTORATE DETAILS</td>
</tr>
<tr>
<td>11. Inspector of Mines</td>
</tr>
<tr>
<td>12. Senior Inspector of Mines (Mining)</td>
</tr>
<tr>
<td>13. Senior Inspector of Mines (Mining Equipment)</td>
</tr>
<tr>
<td>14. Are criminal proceedings envisaged?</td>
</tr>
</tbody>
</table>

ITEM 1. REGIONAL ACCIDENT NUMBER

Regional offices commence numbering at 0001 at the beginning of each year e.g. 1998 R 0001 F

1998 Year in which accident was reported
R Region in which accident happened
0001 Accident number as reported at regional office. To be sequentially numbered.
I Type of accident i.e. F (Fatal), I (Injury), M (Multiple) etc.

Regional codes

| A  | Western Cape region                     |
| B  | Northern Cape region                    |
| C  | Free State region                       |
| D  | Eastern Cape region                     |
| E  | Kwazulu/Natal region                    |
| F  | Mpumalanga region                       |
| G  | Limpopo region                          |
| H  | Gauteng region                          |
| J  | North West (Sth) region                 |
| K  | North West (Nth) region                 |

ITEM 2. DATE REPORTED

YYY/MM/DD
ITEM 3. TYPE OF ACCIDENT OR DANGEROUS OCCURRENCE

D  Duplicate/deleted (not for statistics)

F  One person killed (F=fatal)
   Zero persons injured
   Zero persons totally disabled, therefore
   Total number of reportable casualties = 1 only

I  One person reportably injured
   Zero persons killed
   Zero persons totally disabled, therefore
   Total number of reportable casualties = 1 only

K  A fatal multiple accident (K = killed)
   Two or more persons killed or
   One person killed and one or more persons reportably injured or disabled
   Two or more persons killed with one or more persons reportably injured or disabled, therefore
   Total number of reportable casualties = 2 or more

M  Multiple persons reportably injured or disabled
   Two or more persons injured or disabled
   Zero persons killed, therefore
   Total number of reportable casualties = 2 or more

N  A Dangerous Occurrence reportable in terms of regulation 23.4
   Zero persons killed
   Zero persons reportably injured
   Zero persons totally disabled
   Total number of reportable casualties = 0

T  One person totally disabled for own occupation, i.e. paraplegic / quadriplegic / deaf / blind / permanently bedridden/ permanently totally disabled (eg loss of two limbs) allocate 6000 days lost.
   Zero persons killed
   Zero persons reportably injured
   Total number of reportable casualties = 1

H  Mining accident included in Stats but excluded from levy purposes

NOTE: In the event of a subsequent death, records must be recoded by Inspectorate eg: from M = multiple to K = fatal multiple, or from I=injury to F=fatal.
ITEM 4. ACCIDENT OR DANGEROUS OCCURRENCE
REGISTERED BY:

Initials: Date:
Initials of accidents register clerk

ITEM 5. INQUIRY TYPE

This serves to identify the type of inquiry held by the Inspector.

A  No investigation, no inquiry: classification only with mine investigation included
B  Investigation to determine whether inquiry is necessary.
C  Inquiry, no referral to Director of Public Prosecutions
D  Inquiry, with referral to Director of Public Prosecutions
E  Investigation converted to inquiry; no referral to Director of Public Prosecutions
F  Investigation converted to inquiry; referral to Director of Public Prosecutions

ITEM 6. PROBABLE CAUSE OF ACCIDENT OR DANGEROUS OCCURRENCE

NOTE: THIS REFERS TO THE BASIC CAUSES OF THE ACCIDENT OR DANGEROUS OCCURRENCE

PROVISION HAS BEEN MADE FOR ADDITIONAL UNDERLYING CAUSES TO BE INCLUDED (UP TO 2 UNDERLYING CAUSES) SHOULD THIS BE FOUND TO BE THE CASE.
E.G. PROVIDE THE BASIC CAUSE IN THE FIRST SPACE, AND ANY ADDITIONAL UNDERLYING CAUSES IN THE SECOND AND THIRD SPACES IF NECESSARY

TRAINING OR PLACEMENT FACTORS

01 Inadequate mental or physical limitations

Physical limitations
01A01 Pre-placement medical examination not done
01A02 Man-job specifications not available to medical officer
01A03 No periodical medical examinations
01A04 Physical short-comings
01A05 Limited ability to sustain body position
01A06 Substance sensitivity/allergy
01A07 Physical capability analysis not compiled/utilised

Mental limitations
01B01 Personnel selection inadequate/not adhered to
01B02 Fears or phobias
01B03 Emotional disturbances
01B04 Mental disorder
01B05 Intelligence level
01B06 Inability to comprehend
01B07 Poor judgement
01B08 Poor co-ordination
01B09 Slow reaction time
01B10 Low mechanical aptitude
01B11 Low learning ability
01B12 Memory failure

**General**

01C01 Workplace not modified to accommodate personal shortcomings
01C02 No/inadequate system to identify shortcomings during probationary period
01C03 Physical demands of job not explained at interview
01C04 Other (specify)

**02 Lack of knowledge**

**Training**

02A01 Inadequate induction/orientation
02A02 Inadequate initial training
02A03 Did not attend risk control training course
02A04 Lack of knowledge regarding safety aspects of job

**Task training & instructions**

02B01 No/inadequate training on task that lead to incident
02B02 Not trained on revised job procedure
02B03 No/inadequate instructions given before task conducted
02B04 Lack of on the job training
02B05 Lack of practice under supervision

**Periodical review of training**

02C01 Within the previous year
02C02 More than one year ago
02C03 Other (specify)

**03 Lack of skill**

03A01 Job not done regularly enough to maintain skill
03A02 New on particular job/lack of experience
03A03 Other (specify)
# PERSONAL FACTORS

## 04 Stress - physiological or mental

### Physiological

- **04A01** Decreased sensory ability due to temporary illness
- **04A02** Taking prescribed medicine
- **04A03** Under the influence of drugs, alcohol, other than prescribed medicine

### Exposure to:

- **04B01** Temperature extremes
- **04B02** Health hazards
- **04B03** Abnormal postures/ergonomical stresses
- **04B04** Oxygen deficiency
- **04B05** Atmospheric pressure variation
- **04B06** Fatigue due to lack of rest
- **04B07** Low levels of illumination
- **04B08** Water/damp conditions

### Mental stress as a result of:

- **04C01** Changes in equipment/workplace
- **04C02** Changes in personnel
- **04C03** Changes in task load
- **04C04** Changes in work rate
- **04C05** Changes in working hours
- **04C06** Hazardous nature of job causes stress
- **04C07** Personal/family problems
- **04C08** Frequent difficult decisions to make
- **04C09** Distracted by other activities/conditions
- **04C10** Routine/monotonous
- **04C11** Constant demand for uneventful vigilance
- **04C12** Confusing directions
- **04C13** Conflicting demands
- **04C14** Frustration
- **04C15** Other (specify)

## 05 Improper motivation

### Related to supervisors

- **05A01** Little or no recognition for good work
- **05A02** More emphasis on poor performance than good performance
- **05A03** Inappropriate or aggressive behaviour
Related to the task
05B01 Improper performance is rewarded
05B02 Proper performance is punished/ridiculed
05B03 Lack of incentives
05B04 Inappropriate peer pressure
05B05 Inadequate performance feedback
05B06 Not informed of importance of his/her contribution to safety
05B07 Not informed of importance of task
05B08 Other (specify)

06 Abuse or misuse

Incorrect use of tools, equipment, material, etc. due to:
06A01 Inconvenience of obtaining correct tools
06A02 Vague/incorrect instructions
06A03 Habit/personal preference
06A04 Vandalism
06A05 Other (specify)

07 Inadequate leadership and supervision

Supervisors
07A01 Inadequate involvement/leadership to prevent incident
07A02 Effectiveness of employees training not followed up
07A03 Too little authority
07A04 Inadequate instructions/orientation/training
07A05 Deviation that lead to incident previously ignored
07A06 Inadequate supervision task

Management
07B01 Lack of commitment and/or involvement in risk control programme
07B02 Inadequate work planning/programming
07B03 Inadequate communication
07B04 Giving conflicting objectives/goals/standards
07B05 Providing inadequate guidance/information
07B06 Inadequate performance measurement/evaluation
07B07 Inadequate/incorrect performance feedback
07B08 Inadequate policy/procedure/guideline
07B09 Shortcomings in risk control system
07B10 Unclear/conflicting assignment of responsibility/delegation
07B11 Inadequate funds/personnel/equipment to control risk exposure
08 Engineering

**Inadequate design**
08A01 All risks not assessed in conceptual stage
08A02 Factors that lead to incident not identified in design stage
08A03 Risks of interfacing operations not assessed

**Specifications not researched for design**
08B01 Safety
08B02 Health
08B03 Standards and procedures and Codes of Practice
08B04 Incident history
08B05 Control of identified risks not included in design
08B06 Health and safety personnel not involved at design stage
08B07 Health and safety specifications not prescribed to manufacturer

**Construction**
08C01 Health and safety not on agenda of meetings prior to and during construction
08C02 Inadequate/no health and safety inspections done during construction
08C03 Deviation from prescriptions/standards by contractor

**Commissioning**
08D01 Equipment release (handover) not/inadequately done
08D02 Pre-use risk assessment not done

**Operation**
08E01 Changes made without risk assessment
08E02 Changes made without prior notice

**JOB FACTORS**

09 Inadequate purchasing

**Safety specification**
09A01 Not researched
09A02 Not specified to supplier
09A03 Health and safety control personnel not involved in purchasing

**Hazardous substances**
09B01 Data sheet on hazardous substances not obtained
09B02 Safer substances not considered
09B03 Warning/prescription labels absent or illegible, or precautions not specified
09B04 Improper handling/disposal/storage
09B05  Inadequate storage facilities
09B06  Purchasing of hazardous substances not controlled

Suppliers
09C01  Purchasing specifications not adhered to
09C02  Late delivery or non delivery
09C03  Required datasheet on hazardous substances not supplied

10  Maintenance

Malfunction/breakdown of equipment

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10A01</td>
<td>Legal standards inadequate</td>
</tr>
<tr>
<td>10A02</td>
<td>Frequency of maintenance</td>
</tr>
<tr>
<td>10A03</td>
<td>Improper assembly</td>
</tr>
<tr>
<td>10A04</td>
<td>Service manual</td>
</tr>
<tr>
<td>10A05</td>
<td>Incorrect adjustment</td>
</tr>
<tr>
<td>10A06</td>
<td>Planned maintenance</td>
</tr>
<tr>
<td>10A07</td>
<td>Parts</td>
</tr>
<tr>
<td>10A08</td>
<td>No schedule for planned maintenance</td>
</tr>
<tr>
<td>10A09</td>
<td>Maintenance not done in accordance with schedule or procedure</td>
</tr>
<tr>
<td>10A10</td>
<td>Inadequate time/priority for maintenance</td>
</tr>
<tr>
<td>10A11</td>
<td>Inadequate instructions</td>
</tr>
<tr>
<td>10A12</td>
<td>Inadequate control over maintenance</td>
</tr>
<tr>
<td>10A13</td>
<td>Lubrication/service points difficult to reach/ inaccessible</td>
</tr>
<tr>
<td>10A14</td>
<td>Sub-standard lubricants used</td>
</tr>
</tbody>
</table>

Repairs to equipment

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10B01</td>
<td>Defects not clearly specified on job card</td>
</tr>
<tr>
<td>10B02</td>
<td>No or vague instructions</td>
</tr>
<tr>
<td>10B03</td>
<td>Completed jobs incompetently checked</td>
</tr>
<tr>
<td>10B04</td>
<td>Wrong/substandard parts</td>
</tr>
<tr>
<td>10B05</td>
<td>Incompetent person checking completed tasks</td>
</tr>
</tbody>
</table>

11  Equipment, tools and material

Tools

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>11A01</td>
<td>Wrong tools supplied</td>
</tr>
<tr>
<td>11A02</td>
<td>Tools sub-standard</td>
</tr>
<tr>
<td>11A03</td>
<td>Not registered at planned maintenance</td>
</tr>
<tr>
<td>11A04</td>
<td>Tools not available/difficult to obtain</td>
</tr>
<tr>
<td>11A05</td>
<td>Tools classified as “unsafe”/“not repairable” in use</td>
</tr>
<tr>
<td>11A06</td>
<td>Tools damaged or unsafe</td>
</tr>
<tr>
<td>11A07</td>
<td>Correct tools for task not available</td>
</tr>
<tr>
<td>11A08</td>
<td>Available but not used</td>
</tr>
</tbody>
</table>
Equipment

11B01 Wrong/sub-standard equipment
11B02 No or inadequate system to prevent use of unsafe equipment
11B03 Equipment defects not reported
11B04 Equipment not checked
11B05 Not registered at planned maintenance
11B06 Available but not used

Material

11C01 Incorrect material supplied
11C02 No material available
11C03 Damaged or unsafe material
11C04 Available but not used

Personal protective equipment

11D01 Wrong/sub-standard equipment
11D02 No or inadequate system to prevent use of unsafe equipment
11D03 Equipment defects not reported
11D04 Equipment not checked
11D05 Not registered at planned maintenance
11D06 Available but not used

Wear and tear

11E01 Tools/equipment/facility not used for designed purpose
11E02 Use beyond normal service life
11E03 No adjustment made for wear
11E04 Abnormal use-overloading/excessive speed
11E05 No adjustment made for increased usage
11E06 Substitute lubricants/liquids used
11E07 Used by untrained persons
11E08 No/inadequate monitoring of wear/deterioration

12 Standards and procedures

Standards/code of practice

12A01 Inadequate development of standards
12A02 Inadequate communication of standards
12A03 Inadequate maintenance of standards
12A04 Codes of Practice not drawn up/prepared

Procedures

12B01 No/inadequate task analysis and procedures system
12B02 Procedure not used for training purposes
12B03 No specific rule to control actions that lead to incident
12B04 Persons involved not informed
12B05  No signs/notices to reinforce rule
12B06  Rule in conflict with other rules
12B07  Inadequate method for hazardous task identification
12B08  No relevant task observation done

**On the job training inadequate/does not include**
12C01  Training needs analysis
12C02  Procedures
12C03  Methods
12C04  Practices
12C05  Rules
12C06  Safety/risk control
12C07  No/inadequate induction/orientation training
12C08  Training programme inadequate
12C09  Programme not followed

13  **Miscellaneous**
13A01  Other (Specify)

**ITEM 7. CONTRAVENTION IN INSPECTOR’S OPINION**

*Yes*

*No*
ITEM 8. IF YES, ACT/REGULATION OR CODE OF PRACTICE CONTRAVENED

This field must be completed whenever possible and only refers to a regulation which could possibly have been contravened. The regulation number is entered as it appears in the Regulations.

There may be some confusion at the moment due to the current situation of the overlap of the Mine Health and Safety Act, with its own regulations and the Minerals Act with its own regulations. To distinguish between these Acts the following initial code is to be used to differentiate between them:

- 01 Mine Health and Safety Act (MHSA)
- 02 MHSA Regulations
- 03 Minerals Act (MA)
- 04 MA Regulations
- 05 Code of Practice in terms of any of the Acts (COP)

For example:

- Section 32(b) of the Mine Health and Safety Act will be coded: 01 32b
- Minerals Act Regulation 8.9.9 will be coded: 04 8.9.9
- Any Code of Practice to be coded 05 and where the code is required in terms of a regulation or section of the Act, the relevant regulation or section to be coded, i.e.: Code of Practice required in terms of Section 9(2) of the MHSA to be coded: 05 9 2.

If the COP is not required by Section or regulations, use: 05 00.

ITEM 9. ADMINISTRATIVE FINE RECOMMENDED?

Yes
No

ITEM 10. DATE EVALUATION OF REPORT COMPLETED

YYYY/MM/DD

This is the date that the investigating officer (Inspector) completes his investigation/inquiry and completes Section D

ITEM 11. INSPECTOR OF MINES FULL NAME

Name: Date: Signature

Use block letters.
ITEM 12. SENIOR INSPECTOR OF MINES (MINING)

Name:  Date:  Signature
Use block letters.

ITEM 13. SENIOR INSPECTOR OF MINES: (MINING EQUIPMENT)

Name:  Date:  Signature
Use block letters.

NOTE: Should there be any amendments to any of the information entered onto the database as a result of new information coming to light at the subsequent inquiry/investigation, an amended form, clearly marked “AMENDED” must be forwarded to Head Office by the Regional Office. This amended form must be marked for the attention of the Main User of SAMRASS, who will then update the amended information onto the SAMRASS database.

ITEM 14. ARE CRIMINAL PROCEEDINGS ENVISAGED?

Item 5 (Inquiry Type) requires classifications of inquiries referred to the Director of Public Prosecutions. If the investigating officer recommends prosecution (Criminal Proceedings), this should be indicated here.

Yes
No
# SAMRASS 2 FORM

## SECTION E: DETAILS OF EMPLOYEE

*(THIS SECTION NEED NOT BE COMPLETED FOR A DANGEROUS OCCURRENCE)*

<table>
<thead>
<tr>
<th>Name of Mine</th>
<th>YEAR</th>
<th>ACC REF NO</th>
<th>SHAFT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mine accident or dangerous occurrence number</td>
<td>Y Y Y Y N N N N S S</td>
<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Date of accident or dangerous occurrence</th>
<th>YEAR</th>
<th>ACC REF NO</th>
<th>SHAFT</th>
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</thead>
<tbody>
<tr>
<td>(use YYYY/MM/DD format)</td>
<td>Y Y Y Y M M D D</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Regional accident or dangerous occurrence number</th>
<th>YEAR</th>
<th>ACC REF NO</th>
<th>SHAFT</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Y Y Y Y R N N N N I</td>
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<td></td>
</tr>
</tbody>
</table>

## SECTION E: EMPLOYEE’S DETAILS – NOTE: THIS SECTION NEED NOT BE COMPLETED FOR A DANGEROUS OCCURRENCE

1. Surname
2. Full first names
3. Industry number
4. PF/Company number
5. Identity/Passport number
6. Date of birth (Use YYYYMMDD format)
7. Country of origin
8. Population group
9. Was the injured an employee (“E”), a contractor (“C”) or a Casual (“T”)?
10. Name of contracting company (if applicable)
11. Male or female
12. Normal occupation at time of accident
13. Total experience in current occupation
14. Was injured carrying out normal duties at time of accident?
15. Date first employed with current employer (Use YYYYMMDD format)
16. Date last shift worked (Use YYYYMMDD format)
17. Date resumed work (Use YYYYMMDD format)
18. If fatal, date of death

## ITEM 1. SURNAME

## ITEM 2. FULL FIRST NAMES

## ITEM 3. INDUSTRY NUMBER

*(One letter per block)*

## ITEM 4. P.F. /COMPANY NUMBER

*(One letter per block)*

## ITEM 5. IDENTITY/PASSPORT NUMBER

*(One letter per block)*
ITEM 6. DATE OF BIRTH
- Use YYYY/MM/DD;
- use year of birth and 1 January if actual date of birth is not known and has to be estimated, e.g. 1970-01-01.

ITEM 7. COUNTRY OF ORIGIN

<table>
<thead>
<tr>
<th>Code</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>South Africa</td>
</tr>
<tr>
<td>15</td>
<td>Lesotho</td>
</tr>
<tr>
<td>16</td>
<td>Botswana</td>
</tr>
<tr>
<td>17</td>
<td>Swaziland</td>
</tr>
<tr>
<td>31</td>
<td>Mozambique</td>
</tr>
<tr>
<td>79</td>
<td>Namibia</td>
</tr>
<tr>
<td>99</td>
<td>Other (specify)</td>
</tr>
</tbody>
</table>

This classification is only of importance for persons who do not normally reside within the boundaries of the country. For South African citizens residing in the country, use code 10: South Africa.

ITEM 8. POPULATION GROUP

01 = African/Black
02 = Asian/Indian
03 = Coloured
04 = White

ITEM 9. WAS THE INJURED A PERMANENT EMPLOYEE (E), CONTRACTOR (C) OR A CASUAL (T)

- A permanent employee is a person in the full time employ of the mine (on the company’s payroll);
- A contractor is a person in the full employ of a contractor to the mine;
- A casual is a person contracted to the mine on a temporary basis to do a specific, short term job.

ITEM 10. NAME OF CONTRACTING COMPANY

If a contractor is involved, the name of the contracting company to be supplied.

ITEM 11. MALE OR FEMALE

Use M or F in appropriate block

ITEM 12. NORMAL OCCUPATION AT TIME OF ACCIDENT

- Normal occupation implies that the job/duties/functions that the injured person was carrying out at the time of the accident was within his job description, e.g. if a boilermaker was welding, this is his normal occupation. If, however, he was making electrical repairs, this is not his normal occupation.
- An explanation of the coding system can be found as an addendum at the back of this codebook.
- n.e.c. = not elsewhere classified
Alphabetical Index of MISCO (Mining Industry Standard Code of Occupations)

70301 Acclimatisation supervisor
70302 Acclimatisation worker
80699 Accommodation worker (other accommodation n.e.c.)
80599 Accommodation worker (residential n.e.c.)
10206 Accountant (n.e.c.)
10200 Accounting/financial management
10299 Accounting/financial worker (n.e.c.)
30402 Acid plant official
30404 Acid plant worker
10900 Administration/secretarial management
10903 Administrative officer
10000 Administrative/financial management (multi-disciplinary)
10099 Administrative/financial management (n.e.c.)
19999 Administrative/financial/business worker (n.e.c.)
60601 Advocate/barrister
90000 Agricultural management (multi-disciplinary)
90099 Agricultural management (n.e.c)
99999 Agricultural worker (n.e.c)
40412 Air conditioning/refrigeration engineer
40413 Air conditioning/refrigeration mechanic
81100 Air transport management
81101 Air transport officer
81199 Air transport worker (n.e.c.)
21507 Air and water services team leader/supervisor
21508 Air and water services worker
81102 Airport controller

70803 Ambulance officer
70101 Anaesthetist
60106 Aptitude tester
60105 Aptitude testing supervisor
21406 Aquajet operator
50901 Architect
50902 Architectural assistant
50900 Architectural management
50999 Architectural worker (n.e.c.)
40320 Armature winder
50403 Assay technician
50401 Assayer
50499 Assay/chemistry/laboratory worker (n.e.c.)
29909 Assistant driller (Ocean)
10511 Assessor
35910 Assopulp worker?
60602 Attorney/solicitor/conveyancer
70303 Audio visual tester
70322 Audiologist/speech therapist
70323  Audiometrist
10100  Auditing management
10199  Auditing worker (n.e.c.)
10102  Auditor (computer/systems)
10101  Auditor (internal and external)
40319  Auto electrician
20805  Backfill worker
35020  Baker
11114  Banking officer
11100  Banking/investment management
11199  Banking/investment worker (n.e.c.)
21304  Banksman/onsetter
81202  Bargemaster (Ocean)
80803  Barber/hairdresser
80706  Barman
60601  Barrister/advocate
35110  Beer maker
80705  Beerhall supervisor
21305  Bell signaller
30205  Beltsman
70304  Bio-medical engineer
70102  Biokineticist
40422  Blacksmith
40424  Blacksmith: apprentice
40421  Blacksmith: chargehand
40420  Blacksmith: foreman
40423  Blacksmith: operative
40425  Blacksmith: worker (n.e.c.)
20306  Blaster (supervisory)
20502  Blaster: opencast/quarry (non-supervisory)
20503  Blaster: surface works (eg smelter) (non-supervisory)
20501  Blaster: underground (non-supervisory)
20599  Blasting worker (n.e.c.)
40803  Boiler attendant
40450  Boilermaker: operative (gr 1)
40451  Boilermaker: operative (aide) (gr 2)
36015  Book binder
81202  Bosun (Ocean)
10208  Bookkeeper
21404  Box/orepass/rockpass controller
36710  Brick maker
40614  Bricklayer
40617  Bricklayer: aide
40615  Builder
80499  Building service worker (n.e.c.)
80400  Building services management
40618  Building worker (n.e.c.)
40616  Building worker: operative
50503  Business analyst (computers)
10001  Business management
35010  Butcher
<table>
<thead>
<tr>
<th>Code</th>
<th>Job Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>10312</td>
<td>Buyer/purchaser</td>
</tr>
<tr>
<td>40343</td>
<td>Cable joiner</td>
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<tr>
<td>30508</td>
<td>Calcining worker</td>
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<td>80701</td>
<td>Canteen supervisor</td>
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<td>80703</td>
<td>Canteen worker</td>
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<tr>
<td>80501</td>
<td>Caretaker/housekeeper</td>
</tr>
<tr>
<td>40621</td>
<td>Carpenter</td>
</tr>
<tr>
<td>40622</td>
<td>Carpenter and joiner</td>
</tr>
<tr>
<td>40623</td>
<td>Carpenter and joiner: apprentice</td>
</tr>
<tr>
<td>40620</td>
<td>Carpenter and joiner: chargehand</td>
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<tr>
<td>40619</td>
<td>Carpenter and joiner: foreman</td>
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<tr>
<td>40624</td>
<td>Carpenter: aide</td>
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<tr>
<td>40625</td>
<td>Carpenter: worker (n.e.c.)</td>
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<tr>
<td>10209</td>
<td>Cashier</td>
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<td>30507</td>
<td>Caster</td>
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<tr>
<td>80700</td>
<td>Catering management</td>
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<tr>
<td>21699</td>
<td>Cementer (Ocean)</td>
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<td>80799</td>
<td>Catering worker (n.e.c.)</td>
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<td>21602</td>
<td>Cementation driller/injector</td>
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<tr>
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<td>Cementation worker (n.e.c.)</td>
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<tr>
<td>21307</td>
<td>Chairlift operator</td>
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<tr>
<td>00000</td>
<td>Chairman (group)</td>
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<tr>
<td>80604</td>
<td>Changehouse team leader/supervisor</td>
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<tr>
<td>80605</td>
<td>Changehouse worker</td>
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<tr>
<td>10395</td>
<td>Checker</td>
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<td>80702</td>
<td>Chef/cook</td>
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<td>40701</td>
<td>Chemical engineer</td>
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<td>40700</td>
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<td>Chemical engineering worker (n.e.c.)</td>
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<td>30499</td>
<td>Chemical process worker (n.e.c.)</td>
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<td>50402</td>
<td>Chemist</td>
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<td>50404</td>
<td>Chemist technician</td>
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<td>00000</td>
<td>Chief executive</td>
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<tr>
<td>80802</td>
<td>Child minder</td>
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<tr>
<td>70320</td>
<td>Chiropodist/podiatrist</td>
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<tr>
<td>60805</td>
<td>Cinema/video operator</td>
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<tr>
<td>40601</td>
<td>Civil engineer</td>
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<td>40600</td>
<td>Civil engineering management</td>
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<td>40610</td>
<td>Civil engineering technician</td>
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<tr>
<td>40699</td>
<td>Civil engineering worker (n.e.c.)</td>
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<tr>
<td>40651</td>
<td>Civil/building chargehand (other, n.e.c.)</td>
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<tr>
<td>40650</td>
<td>Civil/building foreman (other, n.e.c.)</td>
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<tr>
<td>40652</td>
<td>Civil/building tradesman (other, n.e.c.)</td>
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<tr>
<td>80402</td>
<td>Cleaner (office)/tea maker</td>
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<tr>
<td>40611</td>
<td>Clerk of works</td>
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<tr>
<td>10295</td>
<td>Clerk (accounts/finance)</td>
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<tr>
<td>99995</td>
<td>Clerk (agriculture, n.e.c.)</td>
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<tr>
<td>81195</td>
<td>Clerk (air transport)</td>
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<tr>
<td>50995</td>
<td>Clerk (architectural)</td>
</tr>
<tr>
<td>10195</td>
<td>Clerk (auditing)</td>
</tr>
</tbody>
</table>
11195  Clerk (banking/investment)
80795  Clerk (catering)
80695  Clerk (club)
60995  Clerk (creative arts)
10795  Clerk (economics)
40195  Clerk (engineering planning)
49995  Clerk (engineering)
51095  Clerk (environmental)
80395  Clerk (estate/township)
70895  Clerk (first aid)
10995  Clerk (general e.g. filing n.e.c.)
50195  Clerk (geology)
80595  Clerk (hostel/quarters).
50795  Clerk (industrial engineering)
60295  Clerk (industrial relations)
10595  Clerk (insurance)
60695  Clerk (legal)
60795  Clerk (library)
10895  Clerk (marketing/sales)
79995  Clerk (medical)
39995  Clerk (metallurgical plant)
20195  Clerk (mining planning)
29995  Clerk (mining) (n.e.c.)
10495  Clerk (payroll/timekeeping)
60195  Clerk (personnel)
36095  Clerk (printing)
10695  Clerk (property/mining rights)
60895  Clerk (public relations)
81095  Clerk (rail transport)
80995  Clerk (road transport)
50395  Clerk (rock mechanics)
50895  Clerk (safety/loss control)
60495  Clerk (school)
80195  Clerk (security)
61095  Clerk (sports/recreation)
50695  Clerk (statistics)
10395  Clerk (stores)
00295  Clerk (strategic planning)
50295  Clerk (survey)
11295  Clerk (tax)
60395  Clerk (training)
60595  Clerk (welfare)
30211  Coal preparation worker
<table>
<thead>
<tr>
<th>Code</th>
<th>Job Title</th>
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<tbody>
<tr>
<td>29908</td>
<td>Day pusher (Ocean)</td>
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<tr>
<td>29910</td>
<td>Deck attendant (Ocean)</td>
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<td>20313</td>
<td>Deck leader (Ocean)</td>
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<tr>
<td>50509</td>
<td>Data controller (computers)</td>
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<tr>
<td>70504</td>
<td>Dental assistant</td>
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<tr>
<td>70503</td>
<td>Dental mechanic</td>
</tr>
<tr>
<td>70499</td>
<td>Dental specialist, eg. oral pathologist (n.e.c.)</td>
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<tr>
<td>70401</td>
<td>Dental surgeon/dentist</td>
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<tr>
<td>70502</td>
<td>Dental therapist</td>
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<tr>
<td>70599</td>
<td>Dental worker (n.e.c.)</td>
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<tr>
<td>70103</td>
<td>Dermatologist</td>
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<td>40102</td>
<td>Designer (engineering)</td>
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<td>80104</td>
<td>Detective</td>
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<tr>
<td>20303</td>
<td>Developer</td>
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<td>50501</td>
<td>Development management (hardware)</td>
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<td>Development management (software)</td>
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<td>20310</td>
<td>Development team leader/supervisor</td>
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<td>20701</td>
<td>Development team worker</td>
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<td>Diamond drill team leader/supervisor</td>
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<td>Diamond drill worker</td>
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<td>Diamond driller</td>
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<td>Diecaster</td>
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<td>Diesel mechanic</td>
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<td>Diesel mechanic: apprentice</td>
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<td>Diesel mechanic: chargehand</td>
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<td>40475</td>
<td>Diesel mechanic: foreman</td>
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<tr>
<td>70305</td>
<td>Dietician</td>
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<tr>
<td>60802</td>
<td>Diplomatic/political liaison officer</td>
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<tr>
<td>29911</td>
<td>Diver (Ocean)</td>
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<tr>
<td>40905</td>
<td>Disinfestation worker</td>
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<td>80105</td>
<td>Dog handler</td>
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<td>80801</td>
<td>Domestic servant</td>
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<tr>
<td>21102</td>
<td>Dragline operator</td>
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<td>Dragline supervisor</td>
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<td>Drains cleaner</td>
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<td>Draughting technician</td>
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<td>Draughtsperson (architectural)</td>
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<td>Draughtsperson (chemical engineering)</td>
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<td>Draughtsperson (civil engineering)</td>
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<td>40394</td>
<td>Draughtsperson (electrical engineering)</td>
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<td>50194</td>
<td>Draughtsperson (geological)</td>
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<tr>
<td>40594</td>
<td>Draughtsperson (mechanical engineering)</td>
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<tr>
<td>29994</td>
<td>Draughtsperson (mining production, n.e.c.)</td>
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<tr>
<td>49994</td>
<td>Draughtsperson (n.e.c.)</td>
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<tr>
<td>50294</td>
<td>Draughtsperson (survey)</td>
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<tr>
<td>59994</td>
<td>Draughtsperson (technical services)</td>
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<td>20401</td>
<td>Drill rig operator</td>
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<tr>
<td>40528</td>
<td>Drill sharpener</td>
</tr>
<tr>
<td>20405</td>
<td>Driller's assistant</td>
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<tr>
<td>20402</td>
<td>Driller: hand percussion/jackhammer</td>
</tr>
<tr>
<td>20403</td>
<td>Driller: hand (coal)</td>
</tr>
</tbody>
</table>
20404 Driller: opencast/large diameter
20499 Drilling worker (n.e.c.)
40527 Drillsmith
80908 Driver: ambulance (code B)
21103 Driver: bulldozer
80905 Driver: forklift
21109 Driver: haul truck (underground and opencast)
80911 Driver: heavy articulated motor vehicle (code EC)
80909 Driver: heavy motor vehicle eg. bus/ambulance (code C)
80907 Driver: light motor vehicle/car (code B)
80906 Driver: mobile industrial/agricultural equipment (code EB)
80903 Driver: motorcycle (code A)
80904 Driver: tractor (code EB)
80998 Driving instructor
30406 Dryerman
30702 Dump team leader/supervisor
30703 Dump worker
30701 Dumpsman
10907 Duplicator
70104 Ear, nose and throat specialist
10703 Economics assistant
10700 Economics management
10799 Economics worker (n.e.c.)
10702 Economist (n.e.c.)
10205 Economy controller
60901 Editor
60400 Educational management
60499 Educational/school worker (n.e.c.)
70306 EEG technician
40341 Electrical chargehand (other n.e.c.)
40301 Electrical engineer
40300 Electrical engineering management
40399 Electrical engineering worker (n.e.c.)
40340 Electrical foreman (other n.e.c.)
40310 Electrical technician
40342 Electrical tradesman (other n.e.c.)
40314 Electrician
40317 Electrician: aide
40315 Electrician: apprentice
40313 Electrician: chargehand
40312 Electrician: foreman
40316 Electrician: underground section
40318 Electrician: worker (n.e.c.)
40802 Electricity generator worker
40437 Electro mechanic/millwright/minewright
40311 Electronic technician
60500 Employee assistance programme management
19910 Encoder
40800 Energy systems management
40805 Energy systems officer
40801 Energy systems team leader/supervisor
<table>
<thead>
<tr>
<th>Code</th>
<th>Occupation</th>
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<tbody>
<tr>
<td>40899</td>
<td>Energy systems worker (n.e.c.)</td>
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<td>40201</td>
<td>Engineer (n.e.c.)</td>
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<tr>
<td>40205</td>
<td>Engineering assistant (n.e.c.)</td>
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<tr>
<td>40004</td>
<td>Engineering foreman (n.e.c.)</td>
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<tr>
<td>40202</td>
<td>Engineering inspector</td>
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<tr>
<td>40001</td>
<td>Engineering management (multi-disciplinary)</td>
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<td>40099</td>
<td>Engineering management (n.e.c.)</td>
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<td>49901</td>
<td>Engineering team leader (n.e.c.)</td>
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<td>40299</td>
<td>Engineering technical worker (n.e.c.)</td>
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<td>40203</td>
<td>Engineering technician (n.e.c.)</td>
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<td>60905</td>
<td>Entertainer</td>
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<td>51004</td>
<td>Environmental assistant</td>
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<td>51007</td>
<td>Environmental construction supervisor</td>
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<td>51002</td>
<td>Environmental superintendent</td>
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<td>Environmental worker (n.e.c.)</td>
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<td>Equpper</td>
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<td>80300</td>
<td>Estate/township management</td>
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<td>Estate/township officer</td>
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<tr>
<td>80302</td>
<td>Estate/township team leader/supervisor</td>
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<td>80399</td>
<td>Estate/township worker (n.e.c.)</td>
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<tr>
<td>40104</td>
<td>Estimator/calculator</td>
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<td>00000</td>
<td>Executive director (n.e.c.)</td>
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<td>10317</td>
<td>Explosives issuer</td>
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<td>50506</td>
<td>Facilities management (computers)</td>
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<td>Fan attendant</td>
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<td>90001</td>
<td>Farm manager</td>
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<tr>
<td>10904</td>
<td>Filing/records officer</td>
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<td>30302</td>
<td>Filter operator/worker</td>
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<tr>
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<td>Filter team leader/supervisor</td>
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<td>10204</td>
<td>Financial accountant</td>
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<td>Financial analyst</td>
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<td>Financial economist</td>
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<td>10202</td>
<td>Financial engineer</td>
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<tr>
<td>10200</td>
<td>Financial/accounting management</td>
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<tr>
<td>10000</td>
<td>Financial/admin management (multi-disciplinary)</td>
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<td>80202</td>
<td>Fire fighting/rescue officer</td>
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<td>80203</td>
<td>Fire fighting/rescue team leader/supervisor</td>
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<tr>
<td>80298</td>
<td>Fire fighting/rescue trainer</td>
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<td>Fire fighting/rescue worker (n.e.c.)</td>
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<td>81005</td>
<td>Fireman/stoker</td>
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<td>80201</td>
<td>Firemaster</td>
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<td>70802</td>
<td>First aid attendant</td>
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<td>70800</td>
<td>First aid management/medical station superintendent</td>
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<tr>
<td>70801</td>
<td>First aid team leader/supervisor</td>
</tr>
<tr>
<td>70898</td>
<td>First aid trainer</td>
</tr>
<tr>
<td>70898</td>
<td>First aid training superintendent</td>
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70899  First aid worker (n.e.c.)
40428  Fitter and turner
40429  Fitter and turner: apprentice
40427  Fitter and turner: chargehand
40426  Fitter and turner: foreman
40433  Fitter (including machining): apprentice
40432  Fitter (including machining)
40431  Fitter (including machining): chargehand
40430  Fitter (including machining): foreman
40434  Fitter: operative (grade 1)
40435  Fitter: operative aide (grade 2)
40436  Fitter: worker (n.e.c.)
90301  Forester
90300  Forestry engineer
90399  Forestry worker
40502  Forger
40505  Founder
30599  Furnace worker (n.e.c.)
90501  Game ranger
40656  Ganger/plate/tracklayer (main line)
40480  Garage mechanic: aide
40481  Garage serviceman
40482  Garage worker (n.e.c.)
90102  Garden supervisor/groundsman
90199  Garden worker
40002  General engineering supervisor/senior foreman
49999  General engineering worker (n.e.c.)
00199  General management (n.e.c.)
00102  General manager (company)
00101  General manager (mine)
20305  General miner
70201  General practitioner
50103  Geochemist
50100  Geological management
50109  Geological observer/field assistant
50199  Geological worker (n.e.c.)
50101  Geologist
50108  Geology technician
50102  Geophysicist
21401  Grab operator
50408  Grade officer
60904  Graphic artist
30210  Grinderman/pulveriser
90102  Groundsman/garden supervisor
80500  Guest house/quarters management
36013  Guillotine operator
70105  Gynaecologist
80803  Hairdresser/barber
40654  Handyman (maintenance)
21001  Haulage team leader/supervisor
21099  Haulage/underground rail transport worker (n.e.c.)
70307  Health/food inspector
90502  Herdsman/stable hand
21302  Hoist driver
21399  Hoisting worker (n.e.c.)
90101  Horticulturist
79901  Hospital cleaner
10902  Hospital secretary
70002  Hospital superintendent
70324  Hospital worker/orderly
80505  Hostel management
80506  Hostel official
80507  Hostel team leader/supervisor
80501  Housekeeper/caretaker
60000  Humanities management (multi-disciplinary)
60099  Humanities management (n.e.c.)
69999  Humanities worker (n.e.c.)
20801  Hydraulic prop team leader/supervisor
20802  Hydraulic prop worker
40411  Hydraulic technician
40999  Hygiene services worker (n.e.c.)
60203  Induna/tribal representative
50701  Industrial engineer
50700  Industrial engineering management
50704  Industrial engineering officer
50702  Industrial engineering technician
50799  Industrial engineering worker (n.e.c.)
70106  Industrial physician
60202  Industrial relations assistant
60200  Industrial relations management
60201  Industrial relations practitioner
60299  Industrial relations worker (n.e.c.)
50599  Info services/computer worker (n.e.c.)
50516  Information centre management (computers)
50500  Information services management
40321  Instrument engineer
40325  Instrument mechanician (industrial)
40326  Instrument mechanician apprentice (industrial)
40324  Instrument mechanician chargehand (industrial)
40323  Instrument mechanician foreman (industrial)
40322  Instrument technician
10596  Insurance adviser
10500  Insurance management
10599  Insurance worker (n.e.c.)
70107  Internist/specialist physician
10315  Inventory controller
90400  Irrigation engineer
10317  Issuer (explosives)
10316  Issuer (stores, non-explosive)
60902  Journalist/writer
40602  Junior engineer (civil engineering)
40302  Junior engineer (electrical engineering)
40402  Junior engineer (mechanical engineering)
40207  Junior engineer (n.e.c)
90503  Kennel worker
30504  Kilnworker
80703  Kitchen worker
50406  Laboratory assistant
50400  Laboratory manager/superintendent
50405  Laboratory technician
60103  Labour controller
30506  Ladleworker
40346  Lamp room team leader /supervisor
40347  Lamp room worker
40345  Lampsman
90200  Land rehabilitation engineer
90201  Land rehabilitation supervisor
90299  Land rehabilitation worker
29905  Lasher/loader (n.e.c.)
80503  Laundry supervisor
80504  Laundry worker
30407  Leaching worker
20309  Learner miner
50409  Learner official (assay/chemistry)
40303  Learner official (electrical engineering)
40206  Learner official (engineering, n.e.c.)
50113  Learner official (geology)
40403  Learner official (mechanical engineering)
30105  Learner official (metallurgy)
20202  Learner official (mining)
40208  Learner operative
60603  Legal assistant
60600  Legal management
60699  Legal worker (n.e.c.)
60701  Librarian
60702  Library assistant
60700  Library management
60799  Library worker (n.e.c.)
21306  Lift operator
80705  Liquor outlet supervisor
36010  Lithographer
90599  Livestock worker (n.e.c.)
21106  Load haul dump driver
21004  Loader driver (rail)
21104  Loader driver (trackless)
81003  Loco driver (underground/main line - SPOORNET)
81004  Loco driver (not main line)
21002  Loco driver (underground)
21003  Loco guard (underground)
20603  Longwall sheerer operator
10317  Magazine master
50106  Magnetometer specialist
40653  Maintenance supervisor
10203  Management accountant
10812  Marketing assistant
10810  Marketing officer
10800  Marketing and sales management
10899  Marketing/sales worker (n.e.c.)
40626  Mason
40627  Mason aide
70308  Masseur/masseuse
70600  Matron/nursing services management
40414  Mechanic (ocean)
70402  Maxillo-facial and oral surgeon
40521  Mechanical charge hand
40401  Mechanical engineer
40400  Mechanical engineering management
40599  Mechanical engineering worker (n.e.c.)
40520  Mechanical foreman (other, n.e.c.)
20699  Mechanical rockbreaking worker (n.e.c.)
40410  Mechanical technician
40522  Mechanical tradesman (other, n.e.c.)
60908  Media technician
70001  Medical advisor
79901  Medical labourer
70201  Medical officer
70309  Medical orthotist/prosthetist
70310  Medical physicist
70199  Medical specialist (n.e.c.)
70800  Medical station superintendent/first aid management
70311  Medical technician
70312  Medical technologist
79999  Medical worker (n.e.c.)
70000  Medical/health care management (multi-disciplinary)
70999  Medical/health care management (n.e.c.)
20803  Meshing and lacing team leader/supervisor
20804  Meshing and lacing worker
11010  Messenger/postal worker
30103  Metallurgical official (n.e.c.)
30199  Metallurgical worker (n.e.c.)
30000  Metallurgical/plant management
30001  Metallurgical/plant superintendent
30002  Metallurgical/plant supervisor
30101  Metallurgist
30102  Metallurgy technician (extractive)
51006  Microscopist
30208  Milling worker
40437  Millwright/electro mechanic/minewright
21510  Mine construction team leader/supervisor (n.e.c.)
21599  Mine construction worker (n.e.c.)
00101  Mine manager
20002  Mine overseer
20101  Mine planning/valuation engineer
80103  Mine police/security guard
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<td>Optician/optometrist</td>
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<td>70403</td>
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<td>Paediatrician</td>
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<td>Plant/reduction official</td>
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Plasterer
Plastic surgeon
Plater
Plater/boilermaker
Plater/boilermaker apprentice
Plater/boilermaker chargehand
Plater/boilermaker foreman
Plater/boilermaker worker (n.e.c.)
Plater/welder
Plater/welder apprentice
Plater/welder chargehand
Plater/welder foreman
Plater/welder worker (n.e.c.)
Plate/track layer/ganger (main line)
Play school supervisor
Plumber
Plumber aide
Plumber apprentice
Plumber chargehand
Plumber foreman
Plumber operative
Plumber worker (n.e.c.)
Podiatrist/chiropodist
Pool gang worker
Postal worker/messenger
Power hammer operator
Press operator
Pre-primary school assistant
Printer (n.e.c.)
Printing machine operator
Printing management
Printing supervisor
Printing worker (n.e.c.)
Process controller
Producer/director (creative arts)
Production/section/underground manager
Productivity officer
Project manager (admin/financial n.e.c.)
Project manager/officer (agriculture n.e.c.)
Project manager/officer (engineering n.e.c.)
Project manager/officer (general management n.e.c.)
Project manager/officer (humanities n.e.c.)
Project manager/officer (medical/health n.e.c.)
Project manager/officer (mining n.e.c.)
Project manager/officer (reduction/beneficiation/manufacturing)
Project manager/officer (scientific/technical n.e.c.)
Project manager/officer (services n.e.c.)
Property broker
Property/mining rights management
Property/mining rights officer
Property/mining rights worker (n.e.c.)
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<td>Psychiatrist</td>
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<td>Pulveriser/grinderman</td>
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<td>Pump team leader/supervisor</td>
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<td>Pump worker</td>
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<td>Pupil metallurgist</td>
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<td>Receptionist/typist/word processor operator</td>
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<td>10904</td>
<td>Records/filing officer</td>
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<td>Reduction/beneficiation/manufacturing/plant management (n.e.c.)</td>
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<td>Reeler</td>
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<td>Refrigeration/air conditioning engineer</td>
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<td>Refrigeration/air conditioning mechanic</td>
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<td>Refuse collector</td>
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<td>Rescue training service management</td>
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<td>Researcher (agriculture n.e.c.)</td>
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49997  Researcher (engineering n.e.c.)
09997  Researcher (general management n.e.c.)
69997  Researcher (humanities n.e.c.)
79997  Researcher (medical n.e.c.)
39997  Researcher (metallurgy/beneficiation/manufacturing n.e.c.)
29997  Researcher (mining production n.e.c.)
50397  Researcher (rock mechanics)
59997  Researcher (scientific/technical n.e.c.)
89997  Researcher (service occupation n.e.c.)
40508  Rigger and ropeman
40509  Rigger and ropeman apprentice
40507  Rigger and ropeman chargehand
40506  Rigger and ropeman foreman
40511  Rigger and ropeman worker (n.e.c.)
40510  Rigger aide
40655  Road builder
80900  Road transport management
80901  Road transport officer
80902  Road transport team leader
80999  Road transport worker (n.e.c.)
20799  Rock breaking worker (n.e.c.)
20402  Rockdrill operator
50301  Rock mechanics engineer
50300  Rock mechanics management
50302  Rock mechanics officer
50399  Rock mechanics worker (n.e.c.)
20899  Rock support worker (n.e.c.)
20806  Roof bolt machine operator
20807  Roof bolt worker
29909  Roughneck (ocean)
81201  Roustabout (ocean)
40523  Rubber reliner
50802  Safety/risk auditor
50800  Safety/health/environment/risk management
50803  Safety/health/risk observer assistant
50801  Safety/health/risk officer
50899  Safety/health/risk worker (n.e.c.)
10811  Sales representative
10319  Salvage yard aide
10320  Salvage and reclamation worker (surface)
29907  Salvage and reclamation worker (underground)
50204  Sample worker
50203  Sampler
50206  Sand blaster
40904  Sanitation worker
40540  Saw doctor
40542  Saw sharpener
40541  Sawmill mechanic
35710  Sawyer
60401  School principal
50000  Scientific/technical management (multi-disciplinary)
<table>
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<td>Scraper winch driver/operator</td>
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<td>Section/production/underground manager</td>
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<td>Shift foreman</td>
</tr>
<tr>
<td>40526</td>
<td>Shot blast operator</td>
</tr>
<tr>
<td>20804</td>
<td>Shotcrete worker</td>
</tr>
<tr>
<td>21105</td>
<td>Shovel operator</td>
</tr>
<tr>
<td>81007</td>
<td>Shunter</td>
</tr>
<tr>
<td>21108</td>
<td>Shuttlecar driver</td>
</tr>
<tr>
<td>81008</td>
<td>Signaller</td>
</tr>
<tr>
<td>40639</td>
<td>Signwriter</td>
</tr>
<tr>
<td>21303</td>
<td>Skipman</td>
</tr>
<tr>
<td>30704</td>
<td>Slimes dam team leader/supervisor</td>
</tr>
<tr>
<td>30705</td>
<td>Slimes dam worker</td>
</tr>
<tr>
<td>30799</td>
<td>Slimes dam/dump worker (n.e.c.)</td>
</tr>
<tr>
<td>30501</td>
<td>Smelter</td>
</tr>
<tr>
<td>30502</td>
<td>Smelter team leader/supervisor</td>
</tr>
<tr>
<td>30503</td>
<td>Smelter worker</td>
</tr>
<tr>
<td>60502</td>
<td>Social worker</td>
</tr>
<tr>
<td>60602</td>
<td>Solicitor/attorney/conveyancer</td>
</tr>
</tbody>
</table>
30206  Sorter
50407  Spectrographer
70322  Speech therapist/audiologist
61099  Sports worker (n.e.c.)
61002  Sports/recreation assistant
61000  Sports/recreation management
61001  Sports/recreation officer
90502  Stable hand/herdsman
21402  Stacker operator
21509  Stage worker
10311  Standards officer
50602  Statistical officer
50699  Statistical worker (n.e.c.)
50601  Statistician
50600  Statistics management
81201  Stevedore
11110  Stockbroker
81005  Stoker/fireman
29904  Stone packer
20311  Stope team leader/supervisor
20702  Stope team worker
20304  Stoper
10314  Storekeeper
10310  Stores controller
10316  Stores issuer (non-explosive)
10313  Stores receiver
10399  Stores worker (n.e.c.)
10300  Stores/purchasing management
50304  Strata control observer
50303  Strata control officer
00201  Strategic planning analyst
00200  Strategic planning management
00299  Strategic planning worker (n.e.c.)
30408  Stripper operator
19993  Student (administrative/financial n.e.c.)
99993  Student (agriculture n.e.c.)
49993  Student (engineering n.e.c.)
50193  Student (geology)
69993  Student (humanities n.e.c.)
79993  Student (medical)
39993  Student (metallurgy/beneficiation/manufacturing n.e.c.)
29993  Student (mining production n.e.c.)
59993  Student (scientific/technical n.e.c.)
89993  Student (service occupation n.e.c.)
29902  Supervisor's assistant (underground)
70399  Supplementary medical worker (n.e.c.)
70117  Surgeon (general)
50200  Survey management
50299  Survey worker (n.e.c.)
50201  Surveyor (land)
50202  Surveyor (mine)
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>29903</td>
<td>Sweeper/vamper</td>
</tr>
<tr>
<td>10203</td>
<td>Systems accountant</td>
</tr>
<tr>
<td>50504</td>
<td>Systems analyst</td>
</tr>
<tr>
<td>50512</td>
<td>Systems/network programmer</td>
</tr>
<tr>
<td>34510</td>
<td>Tailor</td>
</tr>
<tr>
<td>80402</td>
<td>Tea maker/office cleaner</td>
</tr>
<tr>
<td>60404</td>
<td>Teacher (nursery education)</td>
</tr>
<tr>
<td>60403</td>
<td>Teacher (primary education)</td>
</tr>
<tr>
<td>60402</td>
<td>Teacher (secondary education)</td>
</tr>
<tr>
<td>20312</td>
<td>Team leader/supervisor (other mining production work)</td>
</tr>
<tr>
<td>40204</td>
<td>Technical assistant engineering (n.e.c.)</td>
</tr>
<tr>
<td>20211</td>
<td>Technical assistant mining (n.e.c.)</td>
</tr>
<tr>
<td>50001</td>
<td>Technical services management</td>
</tr>
<tr>
<td>59901</td>
<td>Technical services department (TSD) officer (n.e.c.)</td>
</tr>
<tr>
<td>11099</td>
<td>Telecommunications worker (n.e.c.)</td>
</tr>
<tr>
<td>11011</td>
<td>Telephonist</td>
</tr>
<tr>
<td>60907</td>
<td>Television cameraman</td>
</tr>
<tr>
<td>70118</td>
<td>Thoracic surgeon</td>
</tr>
<tr>
<td>35999</td>
<td>Timber, pulp and paper worker (n.e.c.)</td>
</tr>
<tr>
<td>10403</td>
<td>Timekeeper</td>
</tr>
<tr>
<td>21511</td>
<td>Tip attendant</td>
</tr>
<tr>
<td>21405</td>
<td>Tip team leader/supervisor</td>
</tr>
<tr>
<td>21406</td>
<td>Tip worker</td>
</tr>
<tr>
<td>40512</td>
<td>Toolmaker</td>
</tr>
<tr>
<td>20312</td>
<td>Toolpusher (ocean)</td>
</tr>
<tr>
<td>60804</td>
<td>Tour guide</td>
</tr>
<tr>
<td>40612</td>
<td>Town planner</td>
</tr>
<tr>
<td>49994</td>
<td>Tracer (n.e.c.)</td>
</tr>
<tr>
<td>21101</td>
<td>Trackless machine team leader/supervisor</td>
</tr>
<tr>
<td>21198</td>
<td>Trackless machine trainer (eg dragline)</td>
</tr>
<tr>
<td>21199</td>
<td>Trackless machine worker (n.e.c.)</td>
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<tr>
<td>40656</td>
<td>Track/plate layer/ganger (main line)</td>
</tr>
<tr>
<td>81006</td>
<td>Train guard</td>
</tr>
<tr>
<td>19998</td>
<td>Trainer (administrative/financial n.e.c.)</td>
</tr>
<tr>
<td>99998</td>
<td>Trainer (agriculture n.e.c.)</td>
</tr>
<tr>
<td>40798</td>
<td>Trainer (chemical engineering)</td>
</tr>
<tr>
<td>40698</td>
<td>Trainer (civil engineering)</td>
</tr>
<tr>
<td>50598</td>
<td>Trainer (computers)</td>
</tr>
<tr>
<td>81398</td>
<td>Trainer (crane driving)</td>
</tr>
<tr>
<td>40398</td>
<td>Trainer (electrical engineering)</td>
</tr>
<tr>
<td>80298</td>
<td>Trainer (fire fighting/rescue)</td>
</tr>
<tr>
<td>70898</td>
<td>Trainer (first aid)</td>
</tr>
<tr>
<td>49998</td>
<td>Trainer (general engineering n.e.c.)</td>
</tr>
<tr>
<td>09998</td>
<td>Trainer (general management n.e.c.)</td>
</tr>
<tr>
<td>69998</td>
<td>Trainer (humanities, n.e.c.)</td>
</tr>
<tr>
<td>40598</td>
<td>Trainer (mechanical engineering)</td>
</tr>
<tr>
<td>79998</td>
<td>Trainer (medical n.e.c.)</td>
</tr>
<tr>
<td>39998</td>
<td>Trainer (metallurgy/beneficiation/manufacturing n.e.c.)</td>
</tr>
<tr>
<td>29998</td>
<td>Trainer (mining production n.e.c.)</td>
</tr>
<tr>
<td>70698</td>
<td>Trainer (nursing)</td>
</tr>
<tr>
<td>80998</td>
<td>Trainer (road driving)</td>
</tr>
</tbody>
</table>
50898  Trainer (safety/loss control)
59998  Trainer (scientific/technical n.e.c.)
80198  Trainer (security)
89998  Trainer (service occupation n.e.c.)
60398  Trainer/instructor (n.e.c.)
60302  Training assistant
60300  Training management
60301  Training officer (n.e.c.)
60399  Training worker (n.e.c.)
60903  Translator
81399  Transport worker (n.e.c.)
60203  Tribal representative/induna
10906  Typist/word processor operator/receptionist
09999  Unclassified occupation (unknown/no specific skill)
10906  Typist/word processor operator/receptionist
20001  Underground/production/section manager
30401  Uranium plant official
30409  Uranium plant worker
30410  Ventilation/construction team leader
30411  Ventilation/construction worker
70119  Urologist
50518  User support (computers)
10510  Valuator
??????  Ventilation/construction team leader
??????  Ventilation/construction worker
80704  Waiter/waitress
40900  Water, effluent and sanitation management
40907  Water, effluent and sanitation officer
40901  Water, effluent and sanitation team leader/supervisor
40902  Water treatment plant operator
10395  Weighbridge attendant
40456  Welder
60504  Welfare assistant
60503  Welfare officer
60599  Welfare worker (n.e.c.)
40526  Winch Operator\Driver
40525  Winch transporter team leader
40524  Winch transporter/erector
21301  Winding engine driver (licensed)
20406  Wireline operators (ocean)
10906  Word processor operator/typist/receptionist
50707  Work study observer/assistant
50706  Work study officer
35913  Wrapper
60902  Writer/journalist
10318  Yard supervisor
10321  Yard worker (n.e.c.)
ITEM 13. TOTAL EXPERIENCE IN CURRENT OCCUPATION

YY/MM

ITEM 14. WAS INJURED CARRYING OUT NORMAL DUTIES AT TIME OF ACCIDENT?

Yes  No

Normal duties implies that the job/duties/functions that the injured person was carrying out at the time of the accident was within his job description, e.g. if a boilermaker was welding, this is his normal duty. If, however, he was making electrical repairs, this is not his normal duty.

ITEM 15. DATE FIRST EMPLOYED WITH CURRENT EMPLOYER

YYYY/MM/DD

ITEM 16. DATE LAST SHIFT WORKED

YYYY/MM/DD

ITEM 17. DATE RESUMED WORK

YYYY/MM/DD

If the person has not returned to work at the time of submitting this form, the manager is to inform the Inspector of Mines when the person does in fact return to work by completing the form “Report on date resumed work” as prescribed in Appendix 9. See Regulation 23.2 (3)

NOTE: This form is to be completed and submitted monthly in respect of all injured persons who have not yet returned to work that month, as well as those that did not return to work, with the exception of the totally disabled who will not return to work.

ITEM 18. IF FATAL, DATE OF DEATH

YYYY/MM/DD

If a person dies more than 12 months after the date of the accident, the Inspector of Mines must be informed accordingly, but the accident will not be included in statistics.
SAMRASS 2 FORM
SECTION F: DETAILS OF INJURY

This Section need not be completed for a Dangerous Occurrence – refer to example below:

<table>
<thead>
<tr>
<th>ITEM 1. TASK: PERSON INJURED OR KILLED WHILE PERFORMING</th>
</tr>
</thead>
<tbody>
<tr>
<td>This refers to the task/assignment being carried out or performed at the time of the accident i.e. a piece of work being done, a job or a duty. Make use of the full 6 digit code.</td>
</tr>
</tbody>
</table>

1A MINING/BREAKING ROCK/CUTTING/EXCAVATING

Digging, drilling, dredging
1A0101 Coal cutters/shearers
1A0102 Continuous miner
1A0103 Diamond dredges/drilling machines

Drilling
1A0201 Hydraulic
1A0202 Pneumatic
1A0203 Electric

Preparing the face
1A0301 Treating misfires
1A0302 Marking the face

Charging
1A0401 Loading/connecting explosives

Blasting
1A0501 Initiation

Clean (broken rock)
1A0601 Scraping (scraper winch)
1A0602 Mechanical loading
1A0603 Hand loading (lashing)
1A0604 Waterjet
1A0605 Sweeping
1A0606 Vacuum

Make safe (includes barring)
1A0701 Visually examining
1A0702 Barring

Installing
1A0801 Timber packs
1A0802 Timber elongates
1A0803 Hydraulic support
1A0804 Backfill
1A0805 Rockbolting
1A0806 Meshing/lacing
1A0807 Concrete packs
1A0808 Sandwich/composite packs
1A0809 Sticks, timberpoles

Removing support
1A0901 Timber packs
1A0902 Timber elongates
1A0903 Hydraulic support
1A0904 Backfill
1A0905 Rockbolting
1A0906 Meshing/lacing
1A0907 Concrete packs
1A0908 Sandwich/composite packs
1A0909 Sticks, timberpoles

1B TRANSPORTING
Transporting of mineral/rock/ore by

1B0101 Rail transport
1B0102 Free-steered vehicle (rubber tyres or catapillar tracks)
1B0103 Conveyors
1B0104 Ore pass
1B0105 Boxfront/chute
1B0106 Dragline
1B0107 Skips

Transporting of people by

1B0201 Rail transport
1B0202 Trackless mobile vehicle
1B0203 Shaft transport
1B0204 Self transport (person walking, running, ascending/descending etc)
1B0205 Conveyors
1B0206 Chairlift
1B0207 Magic carpet

Transporting of materials/equipment by

1B0301 Rail transport
1B0302 Shaft transport
1B0303 Free-steered vehicle rubber tyres or catapillar tracks)
1B0304 Winches
1B0305 Mono-rope
1B0306 Mono-rail
1B0307 Moving trackless mobile equipment, e.g. moving a rockbolter or roadheader between working places
1B0308 Moving trackbound equipment

Material handling (loading, unloading, stacking)

1B0401 Loading
1B0402 Unloading
1B0403 Stacking
1B0404 Lifting
1C  ENGINEERING TASKS
1C0101 Maintenance of equipment
1C0201 Repairing equipment
1C0301 Assembling equipment
1C0401 Installation and erection of equipment e.g. pipes, winches
1C0501 Construction/building permanent structure e.g. concrete, steelwork
1C0601 Manufacturing e.g. sheet metal, carpentry
1C0701 Lifting e.g. cranes, block and tackle, chainblock

1D  TREATING ROCK/BENEFICIATION
     Mechanical or chemical processes
1D0101 Crushing
1D0102 Grinding
1D0103 Sizing (screening)
1D0104 Washing
1D0105 Flotation
1D0201 Chemical treatment
1D0301 Pyrometallurgy
1D0401 Construction of waste dumps or slime dams
1D0501 Brick curing (ovens or stacks)

1E  ANCILLARY TASKS
     Mine infrastructure and services
1E0101 Survey
1E0102 Geology
1E0103 Rock engineering/mechanics
1E0104 Training
1E0105 Stores
     Occupational Hygiene control services
1E0201 Ventilation
1E0202 Dust control
1E0203 Water management
1E0204 Illumination
1E0205 Gas monitoring/control
ITEM 2. ACTIVITY (INJURED OR KILLED WHILE...)

This is the activity (verb) i.e. when the injured is the doer of an action at the time of the accident.

- Adjusting/assembling/stripping equipment or machinery
- Adjusting/changing (not equipment)
- Aligning
- Analysing
- Annealing
- Assembling/stripping/adjusting equipment or machinery
- Assembling (not equipment)
- Attaching
- Backfilling
- Ballasting
- Barring
- Bending/throwing/reaching
- Bleeding lines
- Blocking
- Blowing over
- Boiling
- Bolting
- Breaking (not rock/slag/concrete)
- Breaking (rock/slag/concrete)
- Burning explosives
- Burning material
- Carrying
- Casting/tapping/skimming
2024  Cementation
2002  Changing/adjusting (excluding equipment)
2025  Changing clothes
2027  Changing equipment/material
2028  Charging batteries
2029  Charging up
2030  Checking/inspecting machinery, vehicles or equipment
2031  Checking/inspecting (excluding machinery/vehicles/equipment)
2032  Clamping
2033  Cleaning other than equipment, machinery and footwall
2034  Cleaning footwall task
2035  Cleaning machinery/equipment
2036  Clearing
2037  Clearing obstructions
2038  Clerical work
2039  Climbing
2040  Closing/opening (excluding doors/valves)
2041  Closing/opening doors
2042  Closing/opening valves
2043  Collaring hole
2044  Connect/disconnect electricity
2045  Connecting equipment/machinery/hoses
2046  Construct/erect structures
2047  Cooking/making tea
2048  Covering
2049  Coupling/uncoupling electricity/equipment
2050  Coupling/uncoupling (excluding electricity, equipment, machinery, hoses and valves)
2051  Crawling
2052  Crushing
2053  Cutting with gas torch
2054  Cutting with tools
2055  Digging
2054  Disconnect/connect electricity
2056  Dislodging
2057  Dismantling/demolishing
2058  Diving
2059  Draining
2060  Drawing rock
2061  Drilling (electrical)
2062  Drinking/eating
2063  Dumping
2064  Driving
2062  Eating/drinking
2065  Empty/fill containers or hoppers
2065  Entering/leaving conveyance
2046  Erect/construct structures
2067  Equipping
2068  Examining
2069  Exercising/sport
2070  Extending
2071  Extracting
2072  Falling
2073  Fastening
2065  Fill/empty containers or hoppers
2075  Filling
2076  Firing furnace/bricks etc.
Fitting
Flushing
Forging
Grading
Greasing/lubricating
Grinding
Grouting
Guarding
Guiding
Hammering
Handling
Handling cable
Hanging
Hoisting men/material
Hoisting rock
Heating
Hitting/striking
Holding
Hooking
Inflating
Inserting
Inspecting/checking of machinery, vehicles or equipment
Inspecting/checking (excluding machinery/vehicles or equipment)
Installing equipment/machinery
Installing (excluding support/bar/wall/machinery)
Joining
Jumping
Kicking
Kneeling
Lashing
Laying
Leaving/entering conveyance
Levelling
Lifting/lowering by hand
Lifting/lowering/raising with machinery
Lighting
Lining/relining
Loading/offloading
Loosening
Lowering/lifting by hand
Lowering/lifting/raising with machinery
Lubricating/greasing
Machining
Making tea/cooking
Marking off
Marking off drill holes
Measuring
Mixing (excluding concrete)
Mixing concrete
Moving objects
Nailing
Offloading/loading
Opening/closing (excluding doors/valves)
Opening/closing doors
Opening/closing valves
Opening equipment/tools
2130 Operating track bound vehicles
2131 Packing
2132 Painting
2133 Parking
2134 Patrolling
2135 Pegging
2136 Picking
2137 Placing
2138 Plastering
2139 Plugging
2140 Positioning
2141 Pouring
2142 Preparing
2143 Preparing face (task)
2144 Profile cutting
2145 Projecting
2146 Pulling
2147 Pumping
2148 Pushing
2149 Raising/lowering/lifting with machinery
2150 Reaching/throwing/bending
2151 Reaming
2152 Reclaiming material
2153 Reclaiming/sweeping/vamping
2154 Reconditioning
2155 Refueling
2156 Relining/lining
2157 Removing (excluding support, equipment and machines)
2158 Removing equipment/machinery
2159 Removing support
2160 Repairing
2161 Replacing
2162 Rerailing
2163 Resetting
2164 Reversing
2165 Riding (track bound vehicles)
2166 Riding (trackless vehicles)
2167 Rolling (not self)
2168 Rotating (not self)
2169 Routing
2170 Running
2171 Sampling
2172 Sandblasting
2173 Sanding
2174 Sawing
2175 Scraping
2176 Setting
2177 Sharpening
2178 Shoveling
2179 Showering
2180 Shunting
2181 Signaling
2182 Sitting/standing/waiting (person in stationery position)
2183 Skimming/casting/tapping
2184 Sliding
2185 Slinging
Soldering
Sorting
Sounding/testing
Spacing
Spinning
Splicing
Sport/exercising
Spotting
Spragging
Standing/sitting/waiting (person in stationery position)
Starting
Steering
Stemming/tamping
Stopping (not self)
Straightening (not self)
Striking/hitting
Stripping/assembling/adjusting equipment or machinery
Supervising
Sumping
Surveying
Sweeping/brushing
Sweeping/reclaiming/vamping
Swimming
Switching (rail)
Switching (reference)
Tamping/stemming
Tapping/casting/skimming
Tempering
Tensioning
Testing
Testing (excluding equipment)
Testing/sounding
Throwing/reaching/bending
Tightening
Timbering
Tipping
Training (conveyor belt)
Tramming
Trimming
Turning on/off
Twisting (person)
Uncoupling/coupling electricity etc.
Uncoupling/coupling (other than electricity, equipment, machinery, hoses and valves)
Vamping/sweeping/reclaiming
Waiting/standing/sitting (person in stationery position)
Walking
Warning
Washing
Watering
Wedging
Welding (electric)
Welding (gas)
ITEM 3. 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 (use unspecified code 99)
K Dermatitis
L Burn (electric)
M Fracture
N Foreign body/splinter
P Gassing (use unspecified code 99)
Q Heat exhaustion
R Heat stroke
S Hernia
T Laceration
U Multiple injury
V Poisoning (use unspecified code 99)
W Puncture
X Asphyxiation (use unspecified code 99)
Y Sprain/strain
Z Other

AB Blindness

NB. Incapacitation/unconsciousness see appendix 14 for explanation

ITEM 4. PART OF BODY INJURED

Head/face and neck

01 Skull and scalp (occipital, frontal, maxilla)
02 Ear (malleus, otitis, barotrauma)
03 Eyes and orbit (eye socket)

Note: where blindness results, use code AB in Nature of Injury (ITEM 3) i.e. AB03 = 6000 days lost

04 Nose and sinuses
05 Face (upper jaw, zygoma (cheekbone))
06 Lower jaw (teeth, mandible(lower jaw), ramus)
07 Neck (throat)
09 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 |
ITEM 5. TYPE OF ACCIDENT OF INDIVIDUAL

F  One person killed (allocate 6000 days lost.)

I  One person reportably injured

T  One person totally disabled for own occupation, e.g. paraplegic/quadriplegic/deaf/blind/permanently bedridden/permanently totally disabled.

ITEM 6. ALLOCATED DAYS LOST

*The allocated days lost must be completed according to the nature of injury and body part injured, as reflected in the table in Appendix 11, e.g. a fracture (M) to the leg (42) is attributed 160 days lost.*