APPENDIX B

South African Qualifications Authority, Registered Unit Standards Numbers: 259639, 259622, 244383.
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SOUTH AFRICAN QUALIFICATIONS AUTHORITY
REGISTERED UNIT STANDARD:

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<td>259639</td>
<td>Explain basic health and safety principles in and around the workplace</td>
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PURPOSE OF THE UNIT STANDARD

This unit standard is for those people giving an induction of health and safety principles to new personnel and the person credited with this unit standard is able to explain the duties of both the employees and employers with regard to Occupational Safety and Health in the workplace. Learners will be able to understand the requirements that apply to persons entering the workplace and performing any duties therein as well as the requirements for the use of Personal Protective Equipment (PPE), housekeeping and emergency procedures that apply to the workplace.

The qualifying learner is capable of:
- Explaining both employer and employee duties with regard to occupational safety and health in the workplace.
• Explaining the general safety rules in a workplace.
• Explaining the use and application of Personal Protective Equipment in a workplace.
• Explaining the need for good housekeeping in the workplace.
• Explaining and applying emergency procedures in the workplace.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING
• Communication at NQF Level 1 or equivalent.
• Mathematical Literacy at NQF Level 1 or equivalent.

UNIT STANDARD RANGE
N/A

Specific Outcomes and Assessment Criteria:

SPECIFIC OUTCOME 1
Explain both employer and employee duties with regard to occupational safety and health in the workplace.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1
The employer's duties are described with regard to occupational safety and health in the workplace.

ASSESSMENT CRITERION 2
The employee's duties are described with regard to occupational safety and health in the workplace.

ASSESSMENT CRITERION 3
The occupational health and safety representation structure and activities are described in terms of legislative requirements.

ASSESSMENT CRITERION 4
Hazards and associated risks in the workplace are identified and addressed to ensure the health and safety of themselves and other persons.

ASSESSMENT CRITERION 5
The importance of identifying hazards and risks in the working environment is explained in terms of the consequences to the employer and employees.

ASSESSMENT CRITERION 6
The reporting procedure of hazards and risks is described in terms of organisational policies and procedures.

SPECIFIC OUTCOME 2
Explain the general safety rules in the workplace.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1
The requirements that apply to persons that may be medically and non-medically intoxicated are explained in terms of the consequences to general safety in the workplace.

ASSESSMENT CRITERION 2
Authorised access requirements to the workplace are explained in terms of legal and organisational requirements.

ASSESSMENT CRITERION 3
The use of motorised and mobile equipment in the workplace is explained in terms of legal and organisational requirements.

ASSessment CRITERION 4
Lock out procedures in the workplace are explained in terms of legal and organisational requirements.

ASSessment CRITERION 5
Symbolic and other signage applicable to the workplace is explained in terms of legal and organisational requirements.

ASSessment CRITERION RANGE
Symbolic and other signage may include but is not limited to mandatory, information, warning signs and colour coding.

SPECIFIC OUTCOME 3
Explain the use and application of Personal Protective Equipment in the workplace.

ASSessment CRITERIA

ASSessment CRITERION 1
Specific workplace Personal Protective Equipment (PPE) requirements are explained in terms of the correct usage and application.

ASSessment CRITERION 2
Maintenance and storage practices for PPE are explained in order to ensure functionality.

ASSessment CRITERION 3
Reporting and replacement procedures of substandard PPE are explained in order to ensure functionality.

ASSessment CRITERION 4
The importance of wearing PPE and the consequences of non-compliance are explained with in terms of the effects on employer and employees.

ASSessment CRITERION 5
The limitations of PPE used in and around the workplace are explained in terms of its protective restrictions.

SPECIFIC OUTCOME 4
Explain good housekeeping in the workplace.

ASSessment CRITERIA

ASSessment CRITERION 1
The need for good housekeeping in the workplace is explained in terms of the impact on health and safety to people and the immediate environment.

ASSessment CRITERION 2
Specific requirements pertaining to stacking and storage of materials are explained in terms of health and safety.

ASSessment CRITERION 3
Demarcation and colour coding practices in the workplace are explained in terms of health and safety.

SPECIFIC OUTCOME 5
Explain and apply emergency procedures in the workplace.
ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1
Emergency escape routes, assembly points and refuge bays in the work area are explained according to the organisational emergency plan.

ASSESSMENT CRITERION 2
Emergency communication procedures in the workplace are explained according to the organisational emergency plan.

ASSESSMENT CRITERION 3
A simulated exercise of an emergency situation is planned and carried out to assess the response/reaction of all employees.

UNIT STANDARD ACCREDITATION AND MODERATION OPTIONS
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- Moderation of assessment will be conducted by the relevant ETQA at its discretion.

UNIT STANDARD ESSENTIAL EMBEDDED KNOWLEDGE
Knowledge and understanding of workplace health and safety requirements.

UNIT STANDARD DEVELOPMENTAL OUTCOME
N/A

UNIT STANDARD LINKAGES
N/A

Critical Cross-field Outcomes (CCFO):

UNIT STANDARD CCFO IDENTIFYING
Identify and solve problems pertaining to understanding basic health and safety principles in and around the workplace.

UNIT STANDARD CCFO ORGANISING
Organise and manage oneself and one's activities so that one is aware of all the rules and regulations that impact on safety and health in and around the workplace.

UNIT STANDARD CCFO COLLECTING
Collect, analyse, organise and critically evaluate information in order to make decision regarding responding to an emergency situation.

UNIT STANDARD CCFO DEMONSTRATING
Demonstrate an understanding of the world as a set of related systems where not understanding the basic health and safety principles in and around the workplace could have a devastating impact on both the employee and employer.
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## PROVIDERS CURRENTLY ACCREDITED TO OFFER THIS UNIT STANDARD:

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**NONE**

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SOUTH AFRICAN QUALIFICATIONS AUTHORITY
REGISTERED UNIT STANDARD:

Describe the functions of the workplace health and safety representative

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PURPOSE OF THE UNIT STANDARD

The person credited with this unit standard is able to understand the objectives and statutory requirements pertaining to health and safety in the workplace. The learners will be able to explain the rights, powers, functions and duties of the workplace health and safety representative and how any errant health, safety and environmental issues may be handled. Learners will also be able to participate in the safety, health and environmental structures and measure these activities according to health, safety and environmental requirements.

The qualifying learner is capable of:
- Describing the framework of workplace health and safety legislation pertaining to health and safety representatives.
- Explaining the specified requirements to conduct safety, health and environmental representation
activities at a working place.
- Addressing safety, health and environment related issues within their scope of authority.
- Complying with the activities within safety, health and environmental structures.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING
- Communication at NQF Level 1 or equivalent.
- Mathematical Literacy at NQF Level 1 or equivalent.

UNIT STANDARD RANGE
N/A

Specific Outcomes and Assessment Criteria:

SPECIFIC OUTCOME 1
Describe the framework of workplace health and safety legislation pertaining to health and safety representatives.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1
Definitions and terminology contained in the current legislation are explained in terms of specified requirements of the workplace.

ASSESSMENT CRITERION 2
The objectives of the relevant current legislation are described in terms of their impact on both employees and employers.

ASSESSMENT CRITERION 3
The importance of complying with the terms of the current relevant legislation is explained in terms of the consequences to health, safety, environment and production.

ASSESSMENT CRITERION 4
The statutory requirements applicable to a health and safety representative are explained in terms of their effect on the duties and functions.

ASSESSMENT CRITERION 5
The statutory requirements applicable to a health and safety committee member are explained in terms of their effect on the duties and functions applicable.

ASSESSMENT CRITERION 6
The statutory requirements of the employer are explained in terms of their effect on the functions, duties and responsibilities of the health and safety representative.

SPECIFIC OUTCOME 2
Explain the specified requirements to conduct safety, health and environmental representation activities at a working place.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1
The specific functions and rights of the health and safety representative are explained in terms of the relevant legislation.

ASSESSMENT CRITERION 2
The importance and purpose of conducting safety, health and environmental representation activities are
explained in terms of the consequences to safety, health, environment and production.

**SPECIFIC OUTCOME 3**
Address safety, health and environment related issues within the scope of authority.

**ASSESSMENT CRITERIA**

**ASSESSMENT CRITERION 1**
Safety, health and environment related issues are dealt with at the appropriate level, according to specified requirements.

**ASSESSMENT CRITERION 2**
Facts related to safety, health and environmental issues are established from information obtained, using accepted data gathering methods.

**ASSESSMENT CRITERION 3**
Resolution of safety, health and environment related issues is attempted according to legislation and organisational policy and procedures.

**ASSESSMENT CRITERION 4**
The importance of resolving safety, health and environmental related issues is explained in terms of the consequences to health, safety, environment and production.

**SPECIFIC OUTCOME 4**
Comply with the activities within safety, health and environmental structures.

**OUTCOME RANGE**
Structures include those contained within the management systems of the organisation.

**ASSESSMENT CRITERIA**

**ASSESSMENT CRITERION 1**
The extent of participation within safety, health and environmental structures, is explained according to legislative requirements.

**ASSESSMENT CRITERION 2**
Consultative requirements of the health and safety representative are described in terms of their impact on interested and affected parties.

**ASSESSMENT CRITERION 3**
The importance of participating in the activities within the safety, health and environmental structures is explained in terms of the consequences to health, safety, environment and production.

**ASSESSMENT CRITERION 4**
Participation in the activities of the safety, health and environmental structures are measured according to health, safety and environmental requirements.

**UNIT STANDARD ACCREDITATION AND MODERATION OPTIONS**
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• Moderation of assessment will be conducted by the relevant ETQA at its discretion.

UNIT STANDARD ESSENTIAL EMBEDDED KNOWLEDGE
• Health, safety and environmental legislation and regulations pertaining to the specific workplace of the learner.
• The functions and duties of a health and safety representative.

UNIT STANDARD DEVELOPMENTAL OUTCOME
N/A

UNIT STANDARD LINKAGES
N/A

Critical Cross-field Outcomes (CCFO):

UNIT STANDARD CCFO IDENTIFYING
Identify and solve problems pertaining to safety, health and environmental issues within scope of authority.

UNIT STANDARD CCFO WORKING
Work effectively with others when participating in the activities of the health, safety and environmental structures in the workplace.

UNIT STANDARD CCFO ORGANISING
Organise and manage oneself and one's activities on order to participate in the activities of the safety, health and environmental representative effectively.

UNIT STANDARD CCFO COLLECTING
Collect, analyse, organise and critically evaluate information which may be required in order to address safety, health and environmental related issues.

UNIT STANDARD CCFO COMMUNICATING
Communicate effectively with the stakeholders on matters related to the health, safety and environmental representative.

UNIT STANDARD CCFO DEMONSTRATING
Demonstrate an understanding of the world as a set of related systems where that effective participation in the activities of the safety, health and environmental representative leads to a safer and healthier workplace.

QUALIFICATIONS UTILISING THIS UNIT STANDARD:

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<td>244383</td>
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PURPOSE OF THE UNIT STANDARD

This unit standard will be useful for persons who are required to conduct continuous hazard identification and risk assessment within an underground working place to ensure a healthy and safe environment to work in.

People credited with this unit standard are able to:
- Explain the specified requirements pertaining to continuous hazard identification and risk assessment.
- Prepare for hazard identification.
- Identify hazards and assess risks.
- Initiate remedial and follow-up action.

The knowledge and understanding demonstrated within this unit standard contribute to social and economic transformation and the upliftment and economic growth of the mining and minerals sector by conducting...
continuous hazard identification and risk assessment as part of the mining process.

This unit standard is intended to promote general knowledge and understanding of persons responsible for conducting continuous hazard identification and risk assessment in the mining and minerals sector in order to ensure knowledgeable, competent and informed workers.

**LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING**

The credit calculation is based on the assumption that learners are already competent in terms of the following outcomes or areas of learning when starting to learn towards this unit standard:
- Follow basic occupational health and safety practices underground at NQF Level 1.

**UNIT STANDARD RANGE**

Specific range statements are provided in the body of the unit standard where they apply to particular specific outcomes or assessment criteria.

**Specific Outcomes and Assessment Criteria:**

**SPECIFIC OUTCOME 1**

Explain the specified requirements pertaining to continuous hazard identification and risk assessment.

**ASSESSMENT CRITERIA**

**ASSESSMENT CRITERION 1**

The explanation of the legal requirements in terms of the employer’s responsibility to assess and respond to risk is consistent with specified requirements.

**ASSESSMENT CRITERION 2**

The legal definitions pertaining to hazard identification and risk assessment are explained.

**ASSESSMENT CRITERION RANGE**

Definitions must include:
- Hazard.
- Risk.
- Occupational health.
- Reasonably practicable.
- Safety.
- Occupational health and Safety Committee.
- Tolerable risk.

**ASSESSMENT CRITERION 3**

The explanation of the purpose of each type of hazard identification and risk assessment procedure is consistent with specified requirements.

**ASSESSMENT CRITERION RANGE**

Procedures must include:
- Baseline.
- Issue-based.
- Continuous.

**ASSESSMENT CRITERION 4**

The explanation of the main components of a continuous hazard identification and risk assessment procedure is consistent with specified requirements.

**ASSESSMENT CRITERION 5**

The explanation of the importance of identifying, dealing with and reporting hazards in terms of the consequences to occupational health, safety, environment and production is consistent with specified requirements.
SPECIFIC OUTCOME 2
Prepare for hazard identification.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1
The required personal protective equipment is available, in good working order, fit for purpose, and used in accordance with its design and specified requirements.

ASSESSMENT CRITERION 2
The identification of relevant documents to assist in identifying hazards is according to specified requirements.

SPECIFIC OUTCOME 3
Identify hazards and assess risks.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1
Hazards are identified and risks are assessed according to specified requirements.

ASSESSMENT CRITERION 2
Identified hazardous conditions are recorded according to specified requirements.

ASSESSMENT CRITERION 3
Interpersonal interaction is positive, consistent with specified requirements and promotes effective teamwork.

SPECIFIC OUTCOME 4
Initiate remedial and follow-up action.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1
The significant risks that were assessed from hazardous conditions are dealt with according to specified requirements in terms of promptness and order of significance.

ASSESSMENT CRITERION 2
Reports are completed and submitted according to specified requirements.

ASSESSMENT CRITERION 3
Follow-up action is initiated and implemented according to specified requirements.

UNIT STANDARD ACCREDITATION AND MODERATION OPTIONS
- Anyone assessing a learner against this unit standard must be registered as an assessor with the relevant ETQA.
- Any institution offering learning that will enable achievement of this unit standard must be accredited as a provider through the relevant ETQA by SAQA.
- Moderation of assessment will be overseen by the relevant ETQA according to the moderation guidelines and the agreed ETQA procedures.

UNIT STANDARD ESSENTIAL EMBEDDED KNOWLEDGE
The following embedded knowledge is addressed in an integrated way in the unit standard:

Procedures and techniques:
- Hazard identification and risk assessment techniques.

Regulations, legislation, agreements, policies, standards:
- Safety, occupational health and environmental legislation and regulations.
- Quality policies, standards and agreements.

Relationships, systems:
- Interpersonal interaction with team members.

UNIT STANDARD DEVELOPMENTAL OUTCOME
N/A

UNIT STANDARD LINKAGES
N/A

Critical Cross-field Outcomes (CCFO):

UNIT STANDARD CCFO IDENTIFYING
Identify and solve problems and make decisions using critical and creative thinking.

Note: The ability of the learner to understand the action to be taken should environmental conditions and personal acts not conform to standard.

UNIT STANDARD CCFO WORKING
Work effectively with others as members of a team, group, organisation or community.

Note: The ability of the learner to understand the action to be taken to safeguard fellow workers against unsafe environmental conditions and unsafe acts.

UNIT STANDARD CCFO ORGANISING
Organise and manage themselves and their activities responsibly and effectively.

Note: The ability of the learner to identify hazards and risks in an underground workplace and to understand the effects of sub standard conditions.

UNIT STANDARD CCFO COLLECTING
Collect, analyse, organise and critically evaluate information.

Note: The ability of the learner to analyse and determine risks and deal with them accordingly.

UNIT STANDARD CCFO COMMUNICATING
Communicate effectively, using visual, mathematical and/or language skills in the modes of oral and/or written presentations.

Note: The ability of the learner to effectively complete and submit reports will indicate his/her proficiency in effective communication.

UNIT STANDARD CCFO SCIENCE
Use science and technology effectively and critically showing responsibility towards the environment and occupational health of others.

Note: The learner demonstrates an understanding of and ability to use advanced mining technology in terms of production, safety and communication.

UNIT STANDARD CCFO DEMONSTRATING
Demonstrate an understanding of the world as a set of related systems by recognising that problem-solving contexts do not exist in isolation.

Note: The ability of the learner to act when and where required by understanding the implications and impact of his actions within the company.

**QUALIFICATIONS UTILISING THIS UNIT STANDARD:**

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<th>ID</th>
<th>QUALIFICATION TITLE</th>
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**PROVIDERS CURRENTLY ACCREDITED TO OFFER THIS UNIT STANDARD:**

This information shows the current accreditations (i.e. those not past their accreditation end dates), and is the most complete record available to SAQA as of today. Some Quality Assurance Bodies have a lag in their recording systems for provider accreditation, in turn leading to a lag in notifying SAQA of all the providers that they have accredited to offer qualifications and unit standards, as well as any extensions to accreditation end dates. The relevant Quality Assurance Body should be notified if a record appears to be missing from here.

1. A&R ENGINEERING & MINING SUPPLIES PTY LTD
2. ANLOGOLD ASHANTI LTD - DIVISION WEST WITS
4. Concor Projects (pty) Ltd
5. De Beers Consolidated Mines Ltd - Kimberley
6. Diggers Training and Development Services
7. Dikologo Chrome Mine Pty Ltd
8. Dynamic New Approach
9. Ergo Mining (pty) Ltd
10. Foskor Pty Ltd
11. Gfbla
12. Greenside Colliery/Anglo Operations Limited
13. I Campus
14. JIC Mining Services Pty Ltd
15. Mancas Consultancy CC
16. Marula Platinum (pty) Ltd
17. Mathome Training & Development
18. Mining Coal
19. Nkomati Mine
20. Northam Platinum Limited
21. Palabora Mining Co Ltd
22. Redpath Mining (SA) Pty Ltd
23. Richrau No 177 Pty Ltd t/a Bokoni Platinum Mines (Lebowa Platinum Min
24. Samancor Eastern Crome Mines
25. Sandvik Mining & Construction (pty) Ltd
26. Senzebo Executive Risk CC
27. Shaft Sinkers Pty Ltd
28. Snowden
29. Technology Risk Solutions
30. Thusang Metallurgical Engineering Training and Consulting
31. Top Performers For Africa Cc
32. Triton Training and Development
33. Venetia Mine
34. Vuselela Empowerment Institute CC
35. Xtract Training Services (pty) Ltd
36. ZaaMan Exploration Drilling (pty) Ltd
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