

Unit ID: 1453

Domain **METALLURGICAL PROCESSING - CORE**
Title: **Demonstrate knowledge of hazard**
 identification and risk assessment
 procedures pertaining to processing
 operations

Level: 2

Credits: 4

Purpose

This unit standard is intended for those who carry out metallurgical processing operations. People holding credit for this unit standard are able to: Describe hazard control methods; and demonstrate knowledge of hazard identification and risk assessment procedures.

Special Notes

1. Assessment evidence may be collected from a real workplace or a simulated workplace in which processing operations are carried out.
2. This unit standard should be assessed in conjunction with other relevant technical unit standards selected from the metallurgical processing, mineral processing, hydrometallurgy, or pyrometallurgy domain.
3. Safe working practices include day-to-day observation of safety policies and procedures and compliance with emergency procedures.
4. Specifications refer to any, or all of the following: manufacturer's specifications and recommendations, and workplace specific requirements.
5. Performance of all elements in this unit standard must comply with relevant regulatory, legislative, workplace requirements and/or manufacturers' specifications.
6. Regulations and legislation, including subsequent amendments, relevant to this unit standard may include but are not limited to the following:
 - Labour Act, No. 11, 2007
 - Mineral Act, No. 33, 1992
 - Mine Health and Safety Regulations, 1999
 - Regulations relating to the Health and Safety of employees at work, 1997 and all industry specific regulations, legislations, code of practice, or code of conduct.

Quality Assurance Requirements

This unit standard and others within this subfield may be awarded by institutions which meet the accreditation requirements set by the Namibia Qualifications Authority and the Namibia Training Authority and which comply with the national assessment and moderation requirements. Details of specific accreditation requirements and the national assessment arrangements are available from the Namibia Qualifications Authority and the Namibia Training Authority. All approved unit standards, qualifications

and national assessment arrangements are available on the Namibia Training Authority website www.nta.com.na.

Elements and Performance Criteria

Element 1: Describe hazard control methods

Range:

Hazard control methods may include but are not limited to elimination; isolation; and minimisation.

Methods for monitoring the effectiveness of hazards may include but are not limited to inspection; work permit; incidents; reports; and on-going review of safety and health performance

Performance Criteria

- 1.1 Hazard control methods are described.
- 1.2 Methods for monitoring the effectiveness of hazard control are described according to workplace procedures and legislative requirements.

Element 2: Demonstrate knowledge of hazard identification and risk assessment procedures

Range:

Hazard identification procedures may include but are not limited to task analysis; behaviour analysis; 'what if' analysis; fault tree analysis; accident and incident investigations; documentation and reporting. For assessment purpose, evidence is required for a minimum of three (3) procedures.

Risk assessment procedures may include but are not limited to an assessment of probability; level of risk; consequences; judgement against evidence of systematic application of experience.

Documentation may include but is not limited to hazard identification forms and risk assessment reports.

Performance Criteria

- 2.1 Hazards are identified according to workplace procedures and legislative requirements.
- 2.2 Risk assessment procedures are applied according to workplace procedures and legislative requirements.
- 2.3 Documentation associated with hazard identification and risk assessment is completed according to workplace procedures and legislative requirements.

Registration Data

Subfield:	Metallurgy
Date first registered:	28 September 2016
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