

		<b>Unit ID: 1131</b>
<b>Domain</b>	<b>HEAVY EQUIPMENT OPERATIONS</b>	
<b>Unit Title:</b>	<b>Apply productivity principles as part of routine heavy equipment operations</b>	
<b>Level: 3</b>	<b>Credits: 5</b>	

### Purpose

This unit standard is intended for those who carry out heavy equipment operations. People holding credit for this unit standard are able to: Plan and prepare for work; measure and compile production activity records; and implement productivity improvement measures.

### Special Notes

1. Entry information:
  - Prerequisite
    - Unit 1113 – *Comply with health, safety and environmental rules and regulations pertaining to heavy equipment operations*
2. Assessment evidence may be collected from a real workplace or a simulated workplace in which heavy equipment operations are carried out.
3. Productivity principles may include but are not limited to productivity targets, production outputs, production rates, and productivity cycle.
4. Safe working practices are to include day to day observation of safety policies and procedures and compliance with emergency procedures.
5. Performance of all elements in this unit standard must comply with all relevant workplace requirements, contractual agreements 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 of 2007
  - Regulations relating to the Health and Safety of employees at work, 1997 and 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](http://www.nta.com.na).

## **Elements and Performance Criteria**

### **Element 1: Plan and prepare for work**

#### **Range**

Planning and preparation may include but is not limited to workplace inspection, equipment defect identification, assessment of conditions and hazards and determination of work requirements.

#### **Performance Criteria**

- 1.1 Work instructions, including plans, specifications, quality requirements and operational details are obtained and applied to the allocated task.
- 1.2 Safety requirements are obtained from the site safety plan and workplace policies and procedures and applied to the allotted task.
- 1.3 Plant, tools, fuel, lubricants, alternative or complementary equipment, attachments and accessories selected to carry out tasks are checked for consistency with the requirements of the job, their usability and any faults rectified or reported prior to commencement of work.
- 1.4 Environmental protection requirements are identified from the project environmental management plan and applied to the allocated task.
- 1.5 Work area and equipment is inspected and prepared according to workplace procedures.
- 1.6 Daily individual, team and plant equipment production target outputs and allowable costs are obtained and confirmed as being understood.

### **Element 2: Measure and compile production activity records**

#### **Performance Criteria**

- 2.1 Daily actual productions are measured and compared to planned production target.
- 2.2 Production activity records are compiled according to workplace requirements.
- 2.3 Significant variances are reported in accordance with documented instruction and workplace procedures.

### **Element 3: Implement productivity improvement measures**

#### **Performance Criteria**

- 3.1 Information from production activity report is used for productivity improvement decisions in consultation with line supervisor.
- 3.2 Productivity improvement measures are established, implemented and monitored in conjunction with line supervisors.

## **Registration Data**

<b>Subfield:</b>	Surface Mining and Quarrying
<b>Date first registered:</b>	27 March 2013
<b>Date this version registered:</b>	27 March 2013
<b>Anticipated review:</b>	2016
<b>Body responsible for review:</b>	Namibia Training Authority