



Australian Government

Department of Education, Employment and Workplace Relations

AHCMOM311A Operate precision control technology

Release: 1

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Modification History

Not Applicable

Unit Descriptor

Unit descriptor	This unit covers the operation of precision technology used in the control of specialised machinery and equipment and defines the standard required to: conduct pre- and post-operational checks; operate precision control technology; perform minor maintenance and fault finding; and record work activities.
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Application of the Unit

Application of the unit	This unit is used to optimise specialised machinery performance. It is likely to be carried out under limited supervision within enterprise guidelines. A level of technical understanding is required to make best use of the equipment and recognise operating faults and anomalies.
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Licensing/Regulatory Information

Not Applicable

Pre-Requisites

Prerequisite units		

Employability Skills Information

Employability skills	This unit contains employability skills.
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Elements and Performance Criteria Pre-Content

Not Applicable

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA

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1. Prepare precision technology for use	1.1. Complete routine pre-operational checks in accordance manufacturer specifications. 1.2. Carry out and record minor routine servicing and house keeping tasks. 1.3. Identify and report Occupational Health and Safety (OHS) hazards. 1.4. Check ancillary equipment for correct operation. 1.5. Check that data complies with job specifications.
2. Use precision technology	2.1. Operate technology in accordance with task requirements, conditions and manufacturer operating guidelines. 2.2. Monitor activities to ensure that machinery is operating in an efficient and controlled manner and make adjustments as required. 2.3. Assess and minimise potential risks to self, others and the environment during operation.
3. Complete work	3.1. Follow shutdown procedures. 3.2. Download data and/or complete operational records. 3.3. Perform basic diagnostic procedures. 3.4. Identify and report malfunctions, faults and irregular performance.

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

Required skills

- conduct pre-operational checks
- use technology to operate machinery in an efficient and controlled manner
- perform routine maintenance tasks
- use literacy skills to read, interpret and follow organisational policies and procedures, follow sequenced written instructions, record information collected accurately and legibly, and select and apply procedures for a range of tasks
- use oral communication skills/language competence to fulfil the job role as specified by the organisation, including questioning techniques, active listening, clarifying information and consulting with supervisors as required
- use numeracy skills to estimate, calculate and record routine workplace measures

REQUIRED SKILLS AND KNOWLEDGE

- use interpersonal skills to work with and relate to people from a range of cultural, social and religious backgrounds and with a range of physical and mental abilities.

Required knowledge

- manufacturer specifications and requirements for:
 - pre-operational checks
 - precision instrument controls, feature and functions
 - minor servicing
- uploading and downloading of data
- basic diagnostic techniques
- characteristics, technical capabilities and limitations of associated machinery and equipment
- components and controls features and functions.

Evidence Guide

EVIDENCE GUIDE

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Overview of assessment

Critical aspects for assessment and evidence required to demonstrate competency in this unit

The evidence required to demonstrate competency in this unit must be relevant to workplace operations and satisfy holistically all of the requirements of the performance criteria and required skills and knowledge and include achievement of the following:

- conduct pre- and post-operational checks
- operate precision control technology
- perform minor maintenance and fault finding
- record work activities.

Context of and specific resources for assessment

Competency requires the application of work practices under work conditions. Selection and use of resources for some worksites may differ due to the regional or enterprise circumstances.

Range Statement

RANGE STATEMENT

The range statement relates to the unit of competency as a whole.

The types of machinery and equipment may include:

- on-board and fixed precision control technology.

Unit Sector(s)

Unit sector

Machinery operation and maintenance

Co-requisite units

Co-requisite units		

Competency field

Competency field	
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