



Australian Government

Department of Education, Employment and Workplace Relations

DEFOH010B Apply laser safety procedures

Release: 1

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Modification History

Not applicable.

Unit Descriptor

Unit Descriptor

This unit covers the competency required to apply laser safety procedures and control measures.

Where equipment that uses lasers is involved, the competency of operating the laser will be incorporated into the competency for operating the equipment and is not directly part of this competency.

Application of the Unit

Application of the Unit

The application of this unit in the workplace - the environments, complexities and situations involved - will be written during Phase II of the Review of the PUA00 Public Safety Training Package.

This text will be useful for the purposes of job descriptions, recruitment advice or job analysis; where possible, it will not be too job specific to allow other industries to import it into other Training Packages, where feasible.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisite Unit/s

Nil

Employability Skills Information

Employability Skills

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a Unit of Competency.

Performance Criteria describe the required performance needed to demonstrate achievement of the element.

Where bold italicised text is used, further information is detailed in the Required Skills and Knowledge and/or the Range Statement. Assessment of performance is to be consistent with the Evidence Guide.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Plan and prepare for the application of laser safety procedures	<ul style="list-style-type: none">1.1 <i>Notifications</i> are received of activities that involve the use of lasers1.2 Class of laser and the hazards inherent in its use are identified at the commencement of the planning phase1.3 Applicable organisational policy and procedures related to laser operations are identified and implemented in accordance with legislative and organisational policy and procedures1.4 Applicable laser hazard areas are identified and notified to those likely to encounter them1.5 Personal protective equipment (PPE) requirements are established in accordance with legislative and organisational policy and procedures
2. Apply laser safety procedures	<ul style="list-style-type: none">2.1 <i>Passive laser safety measures</i> are applied and monitored in accordance with legislative and organisational policy and procedures2.2 Use of PPE is monitored in accordance with legislative and organisational policy and procedures2.3 <i>Laser application in the workplace is monitored</i> in accordance with legislative and organisational policy and procedures
3. Maintain documentation	<ul style="list-style-type: none">3.1 <i>Laser incidents</i> are reported to the relevant authority in accordance with legislative and organisational policy and procedures3.2 Records are maintained in accordance with legislative and organisational policy and procedures

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This describes the essential skills and knowledge and their level, required for this unit.

Required Skills

- access, read interpret and apply information relating to lasers

Required Knowledge

- characteristics of lasers including the types of lasers and the fundamentals of laser operation
- environment in which lasers are used
- relevant Australian and international standards
- report writing

Evidence Guide

EVIDENCE GUIDE

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EVIDENCE GUIDE

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

Assessment must confirm the ability, when observing laser warning signs or being informed of the presence of lasers, to implement sound protective measures, while still undertaking one's core function, within acceptable tolerances of the laser hazard described or present.

Consistency in performance

Competency should be demonstrated in an environment where lasers are present. This may be in a workplace or in a simulated workplace environment.

Context of and specific resources for assessment

Context of assessment

Competency should be assessed in the workplace or in a simulated workplace environment.

Specific resources for assessment

Access to existing related policy and instructions.

Guidance information for assessment

Information that will assist or guide assessment will be written during Phase II of the Review of the PUA00 Public Safety Training Package.

Range Statement

RANGE STATEMENT

The Range Statement relates to the Unit of Competency as a whole. It allows for different work environments and situations that may affect performance. ***Bold italicised*** wording in the Performance Criteria is detailed below.

Notifications may include	Duration of activity Incident reporting channels Laser safety areas Location of activity Nomination of laser safety officer and contact details Time of activity Type and class of laser to be used
Passive laser safety measures may include	Application of physical barrier or shrouds to contain errant radiation Employment and observance of laser hazard areas including nominal ocular hazard areas as defined by AS/NZS 2211.1:1997 Employment of signage Use of PPE
Monitoring laser application in the workplace may include	Health surveillance Monitoring safe operating procedures by participants Observing for signs that a laser incident may have occurred or is about to occur Use of PPE
Laser incidents may include	Requirement for immediate cessation of activity or shutting down of laser equipment Requirement for medical examination of individuals who have been subjected to a laser hazard Requirement for the incident to be documented in accordance with an established format and/or process Requirement for the incident to be reported in accordance with an established format and/or process

Unit Sector(s)

Not applicable.

Corequisite Unit/s

Co-requisite Unit/s Nil