



Australian Government

DEFOH010B Apply laser safety procedures

Release 2

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Modification History

Release	TP Version	Comments
2	DEF12V2	Removal of repetitive Performance Criteria Statement Application added Minor change to Unit Descriptor and Range Statement Changes to Evidence Guide
1	DEF12V1	Primary release.

Unit Descriptor

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

This unit does not include the operation of laser equipment. 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.

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of publication. In a Defence context, this means that there is no civilian need to hold this unit in order to meet licensing, legislative, regulatory or certification requirements.

Application of the Unit

This unit was developed for Defence workers involved in applying laser safety procedures as a workplace responsibility, but is applicable to all individuals who work in this field.

Typically, these individuals must demonstrate the ability to work independently or as part of a team under indirect supervision. They must be able to use discretion and judgement and take responsibility for the quality of their outputs.

All activities are carried out in accordance with relevant legislation, organisational policies and procedures.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Not applicable.

Employability Skills Information

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	1.1 Notifications are received of activities that involve the use of lasers. 1.2 Class of laser and the hazards inherent in its use are identified at the commencement of the planning phase. 1.3 Applicable organisational policy and procedures related to laser operations are identified and implemented. 1.4 Applicable laser hazard areas are identified and notified to those likely to encounter them. 1.5 Personal protective equipment (PPE) requirements are established.
2. Apply laser safety procedures	2.1 Passive laser safety measures are applied and monitored. 2.2 Use of PPE is monitored in accordance with legislative and organisational policy and procedures. 2.3 Laser application in the workplace is monitored.
3. Maintain documentation	3.1 Laser incidents are reported to the relevant authority. 3.2 Records are maintained.

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

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

Assessment must confirm the ability:

- plan and prepare for the application of laser safety procedures
- apply and monitor relevant laser safety measures are
- maintain appropriate documentation.
- apply knowledge of relevant work health safety legislative frameworks
- identify inspection tools and methods appropriate to the workplace
- apply principles and practices of work health and safety
- identify intervention points for advice to assist in work and to guide problem solving

Consistency in performance

Evidence for competency in this unit must be gathered over time and across a range of workplace or simulated situations.

Context of and specific resources for assessment

Context of assessment

Competency should be assessed in the workplace or under conditions that accurately simulate a realistic workplace in accordance with all relevant legislation and organisation requirements.

Evidence should be gathered while observing the individual conducting an actual or simulated workplace application of laser safety. A record of all relevant reports, interviews and tests should also be submitted as evidence for assessment.

Specific resources for assessment

Access to existing related policy and instructions.

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.