



Australian Government

DEFWHS009 Develop laser safety plans

Release: 1

DEFWHS009 Develop laser safety plans

Modification History

Release	Comments
1	This unit was released in DEF Defence Training Package release 1.0 and meets the Standards for Training Packages. This unit supersedes and is equivalent to DEFOH011B Develop laser safety plans. • Unit code updated • Content and formatting updated to comply with the new standards. • All PC transitioned from passive to active voice • PC 1.5 removed

Application

This unit describes the skills required to develop laser safety plans and procedures. This includes identifying, evaluating and overseeing the control of laser hazards; developing laser safety papers and templates; providing technical advice on laser safety; developing and drafting laser safety policy, procedures and instructions; and preparing the selection of laser safety controls, labels and signage.

This unit applies to those involved in the development of laser safety plans as a workplace responsibility.

The skills and knowledge described in this unit must be applied within the legislative, regulatory and policy environment in which they are carried out. Organisational policies and procedures must be consulted and adhered to.

Those undertaking this unit would 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. They would perform complex tasks in a range of familiar contexts.

No licensing, legislative or certification requirements apply to unit at the time of publication.

Competency Field

Work Health & Safety

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions section.
1. Prepare for the development of laser safety plans	1.1 Identify and confirm laser sources. 1.2 Identify and access standards and legislation appropriate to lasers. 1.3 Identify and access existing organisational records relevant to laser equipment. 1.4 Identify, acquire and prepare equipment and resources required for the assessment of laser equipment.
2. Assess laser hazards	2.1 Verify laser classifications. 2.2 Evaluate maximum permissible exposures of continuous wave and repetitively pulsed lasers. 2.3 Identify laser hazards and assess laser hazard environments.
3. Develop laser safety plans	3.1 Conduct consultation with stakeholders. 3.2 Identify and interpret technical standards, organisational environmental requirements and laser exposure levels. 3.3 Develop laser safety plans and forward to the relevant authority.

Foundation Skills

The foundation skills demands of this unit have been mapped for alignment with the Australian Core Skills Framework (ACSF). The following tables outline the performance levels indicated for successful attainment of the unit.

ACSF levels indicative of performance:

1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Learning					Reading					Writing					Oral communication					Numeracy				

Performance variables:

1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Support					Context					Text complexity					Task complexity				

Further information on ACSF and the foundation skills underpinning this unit can be found in the Foundation Skills Guide on the GSA website.

Range of Conditions

Relevant legislation, organisational policies and procedures include:	• equipment manufacturers' specifications • previous testing reports • risk assessments • Standing Operating Procedures (SOPs) • Australian Regulation Protection and Nuclear Safety Authority (ARPANSA) requirements • relevant Australian and international standards • state/territory/Commonwealth legislation
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Unit Mapping Information

This unit supersedes and is equivalent to DEFOH011B Develop laser safety plans.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6bdbab1e-11ed-4bc9-9cba-9e1a55d4e4a9>

Companion Volume implementation guides are found in VETNet -

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Assessment Requirements for DEFWHS009 Develop laser safety plans

Modification History

Release	Comments
1	These Assessment Requirements were released in DEF Defence Training Package release 1.0 and meet the Standards for Training Packages. • Assessment Requirements created drawing upon specified assessment information from superseded unit

Performance Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. If not otherwise specified the candidate must demonstrate evidence of performance of the following on at least one occasion.

- applying complex mathematical processes
- identifying relevant laser hazards
- developing procedures and plans to mitigate the hazards in the working environment
- identifying inspection tools and methods appropriate to the workplace
- identifying intervention points for advice to assist in work and to guide problem solving

Knowledge Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. If not otherwise specified the depth of knowledge demonstrated must be appropriate to the job context of the candidate.

- principles and practices of work health and safety inspections
- characteristics of lasers including the types of lasers and the fundamentals of laser operation
- laser environment
- organisational policy and procedures relevant to laser operations
- relevant Australian and international standards
- report writing techniques

Assessment Conditions

Competency should be assessed in an actual workplace or in a simulated environment, with access to equipment and infrastructure appropriate to the outcome. Competency should be demonstrated over time to ensure the candidate is assessed across a variety of situations.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

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