Australian Government

DEF42012 Certificate IV in Explosive Ordnance Proof and Experimental

Release: 2

INDUSTRY SKILLS COUNCILS
Creating Australia's Future

DEF42012 Certificate IV in Explosive Ordnance Proof and Experimental

Modification History

Release	TP version	Comments
2	DEF12 V2	Layout adjusted. No changes to content.
1	DEF12 V1	First release.

Description

Not applicable.

Pathways Information

Not applicable.

Licensing/Regulatory Information

Not applicable.

Entry Requirements

Not applicable.

Government Skills Australia

Employability Skills Summary

Employability Skills are part of a unit of competency.

Employability Skills statements from a selection of units of competency from the DEF42012 Certificate IV in Explosive Ordnance Proof and Experimental have been reproduced in the table below.

This table provides an example of Employability Skills for the qualification because Employability Skills within a qualification will vary depending on the qualification packaging options.

Defence qualifications have core units (which must be achieved) and elective units (where there is a choice of units which must be achieved) so different Employability Skills Summaries are possible within the one qualification, depending on the package of core units and chosen elective units.

Employability Skill	Employability Skills Statement
Communication	- communicate with supervisors, suppliers, clients and subordinates - identify and confirm requirement for explosive ordnance breakdown from work requests/instructions - identify and report breaches in site safety - liaise with supervisors, suppliers, clients and superiors as required - obtain relevant authorisation before specialised and hazardous work is carried out - prepare and provide relevant reports and documentation - use verbal and non-verbal communication techniques including language, language style, active listening
Teamwork	- apply team work principles and strategies - control a number of work teams - direct, brief, coordinate and monitor personnel - encourage other team members - participate in and facilitate teams - understand composition of teams, and roles and responsibilities of team members - use techniques for supporting others/team members
Problem solving	- apply formulae to determine the net explosive quantity and compatibility for the facility - demonstrate application of knowledge of explosive ordnance to assist in work and to guide problem solving - identify and action the requirement for waivers - undertake spatial measurement including length, width, perimeter and area - use knowledge of service environments to assist in work and guide problem solving
Initiative and enterprise	- initiate and monitor processes - initiate any remedial action required

Planning and organising	- ascertain availability and appropriateness of drawings, work procedures and associated documentation - assess plant, equipment and tools for availability, function and serviceability - identify and allocate resources required for the processes - identify occupational health and safety policies addressing the processes and apply for the duration in all associated activities - identify resource shortfall and measures, and initiate their sourcing - inspect the facility and potential explosive site to be licensed and draw conclusions and recommendations from these activities - monitor and coordinate the activities within and between processes - plan and prepare for licensing - plan the conduct of processes - research and examine the required documentation
Self-management	- apply independent decision making - apply personal behaviour that shows sensitivity to the differences between colleagues - apply personal safety measures - interpret environmental effects relevant to explosive ordnance - meet work priorities
Learning	- apply knowledge of general properties of explosive ordnance - learn about explosive ordnance knowledge relevant to work - understand design principles of explosive ordnance - understand effects of explosive ordnance - understand inter-operability of explosive ordnance - understand safety, legislative and statutory requirements relevant to explosive ordnance
Technology	- apply explosive ordnance knowledge relevant to work being performed - maintain grenades - understand characteristics, technical capabilities, effects and limitations of Australian Defence Force explosive ordnance - understand technical capabilities and limitations of equipment used in the licensing process - use appropriate information technology and software - use equipment such as computers, digital cameras, laser range finders, global positioning systems - use weapon system and platform integration

Packaging Rules

17 units of competency are required for this qualification including:

- 5 core units
- 12 elective units

Choose a minimum of 10 elective units from the Group A (Specialisation) and Group B (General) lists below, of which 7 units must be from Group A.

Choose the remaining 2 elective units from either the elective lists below, **or** elsewhere within this training package, **or** another endorsed training package, **or** accredited course.

Where a pre-requisite unit is attached to an elective unit it is identified by this symbol ∟.

The pre-requisite units attached to any of the elective units must be undertaken and are additional to the number of elective units required for the qualification.

The elective units should be selected from the units that most closely align to an individual's occupational outcomes. Electives selected must not duplicate outcomes of other units.

Elective units selected must not duplicate content already covered by other units in this qualification.

Code	Core Units
DEFEO101D	Work safely with explosive ordnance
DEFEQ001C	Work with equity and diversity
HLTFA211A	Provide basic emergency life support
PSPOHS301A	Contribute to workplace safety
TLID1001A	Shift materials safely using manual handling methods
Code	**Group A Elective Units (Specialisation)**
DEFCA203B	Produce meteorological data
DEFEO206C	Apply a knowledge of the service environment
DEFEO211D	Apply a knowledge of explosive ordnance
DEFEO601D	Assess explosive ordnance firings
DEFEO602C	Plan explosive ordnance trials
DEFEO803A	Conduct static proof tests
DEFEO804A	Conduct dynamic small arms proof tests

DEFEO805A	Conduct dynamic other calibre proof tests
DEFEO806A	Conduct environmental tests
DEFEO809A	Acquire data related to velocity
DEFEO810A	Acquire data related to pressure
DEFEO811A	Acquire data related to time
DEFEO812A	Acquire data related to environment
DEFEO813A	Acquire data related to imagery
DEFEO814A	Provide survey data for proof and experimental firing
DEFEO815A	Operate small watercraft
DEFTE003A	Conduct testing processes
Code	**Group B Elective Units (General)**
DEFCA210B	Supervise indirect fire weapons ∟ DEFCA201B Operate indirect fire weapons
DEFCA422B	Conduct range practices
DEFCA423B	Manage range practices and qualifications ∟ DEFCA422B Conduct range practices
DEFCA432	Supervise the operation of mortars ∟ DEFCA412B Operate a mortar
DEFCA433	Supervise the operation of direct fire support weapons ∟ DEFCA414B Operate direct fire support weapon systems on operations
DEFCM118B	Act as a range safety officer on a permanent range
DEFCM119B	Conduct basic range practices on a permanent range
DEFEO202D	Establish and maintain the safety and security of explosive warehouses and workshops
DEFEO208C	Supervise explosive ordnance engineering and logistics processes
DEFEO209C	Control explosive ordnance engineering and logistics processes

DEFEQ002B	Supervise equity and diversity in the workplace
DEFOH012B	Identify confined space
DEFOH013B	Enter confined space
DEFOH014B	Test confined space environment └ DEFOH013B Enter confined space
DEFOH015B	Control entry to confined spaces
DEFRI001B	Treat risk within Defence at an operational level
DEFRI002B	Conduct risk assessment in a Defence environment
BSBADM409A	Coordinate business resources
BSBOHS407A	Monitor a safe workplace
BSBREL401A	Establish networks
BSBSUS301A	Implement and monitor environmentally sustainable work practices
PUAEMR022	Establish context for emergency risk assessment
PUAEMR023	Assess emergency risk └ PUAEMR022 Establish context for emergency risk assessment
PUAEMR024	Develop treatment options for emergency risk
PUAEMR025	Manage risk treatment implementation └ PUAEMR024 Develop treatment options for emergency risk
PUAWER004B	Respond to workplace emergencies
PSPPROC303A	Carry out basic procurement
PSPGOV404B	Develop and implement work unit plans
PSPPM401B	Design simple projects
PSPPM402B	Manage simple projects
PSPPM403B	Close simple projects
TLIF4007A	Implement and coordinate accident-emergency procedures
TLID2016A	Load and unload explosives and dangerous goods