Australian Government

DEF50612 Diploma of Explosive Ordnance

Release: 2

DEF50612 Diploma of Explosive Ordnance

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.

Employability Skills Summary

Employability Skills are part of a unit of competency.

Employability Skills statements from a selection of units of competency from the DEF50612 Diploma of Explosive Ordnance 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	- access and identify safety procedures and instructions - follow instructions/directives and reporting information - identify and note organisation incident and injury statistics - identify and/or acquire documentation and licensing limitations - identify and report incidents - identify breaches in site safety and act or report on them - identify hazardous materials labels and characteristics, and apply recognised and relevant action/criteria - obtain relevant authorisation before specialised and hazardous work is carried out - present reports in a format that ensures the client can readily understand the determined options and solutions - provide evidence to inquiries/courts as required - read, interpret and apply information on safety - read to a level required to interpret job instructions, workplace forms and reports - record and report details of first aid administered - record and report incidents and injuries - use a variety of verbal and non-verbal communication techniques - write at the level required to complete workplace documentation and reports
Teamwork	- apply team work principles and strategies - apply techniques for supporting others/team members - delegate authority to subordinates - encourage other team members - participate in and facilitating teams - understand the composition of teams and roles and responsibilities of team members
Problem solving	- apply diagnostic techniques - action reported defects/problems

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	• check samples and analyses in accordance with laboratory procedures when non-standard results are obtained • conduct qualitative analysis and quantitative analysis • identify net explosive quantities and calculate and monitor throughout the operation • perform established qualitative tests • prepare options and solutions in matters concerning the performance of explosive ordnance • provide and evaluate options • select appropriate solutions • use analytical and evaluation processes
Initiative and enterprise	• apply independent decision making • develop unique explosives • develop unique explosives within the research environment • initiate investigations by the Terms of Reference and/or Instruments of Appointment
Planning and organising	• collect and preserve evidence • conduct research • determine report requirements • determine resources required for their performance, and any special requirements for their conduct • establish investigation objectives • obtain methodology, coordination requirements and necessary authorisation to progress the investigation • select procedures that incorporate methods which are appropriate and feasible • set objectives within budget and time constraints • source and procure production and support materials
Self-management	• apply personal safety measures • apply principles of leadership • provide leadership to individuals and teams
Learning	• learn about Explosive Transport Regulations • learn about Australian Code for the Transport of Explosives by Road and Rail • learn about organisational policies, • material safety data sheets (MSDS • support and participate in development activities
Technology	• handle and move hazardous materials • produce unique explosives • test and/or validate explosive models, simulation and/or prototypes • understand characteristics, technical capabilities, effects, employment and limitations of explosive ordnance

	• understand computer modelling relevant to explosives
	• understand technical capabilities, effects, employment and limitations of weapons/weapon systems
	• use available computer technology to control instruments or acquire/translate/convert data

Packaging Rules

14 units of competency are required for this qualification including:

- 4 core units
- 10 elective units

Choose a minimum of 8 elective units from the Group A (Specialisation) and Group B (General) lists below, of which 4 must be from the Group A list.

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
BSBCMN311B	Maintain workplace safety
TLID1001A	Shift materials safely using manual handling methods
Code	Group A Elective Units (Specialisation)
DEFCA327	Coordinate area and route search, and clearance of explosive ordnance
DEFEO205C	Conduct technical explosive ordnance investigations
DEFEO210C	Manage explosive ordnance engineering and logistics processes
DEFEO214A	Plan loading of dangerous goods
DEFEO606D	Develop unique explosives
DEFEO607C	Determine the properties of explosive ordnance
DEFEO705C	Manage military explosive ordnance operations

DEFEO707C	Conduct explosive ordnance disposal operations
DEFEO708C	Conduct improvised explosive ordnance device disposal operations
DEFEO709D	Apply explosive ordnance design principles
DEFEO719A	Render explosive ordnance inert └ DEFEO505D Breakdown explosive ordnance └ DEFEO507D Assemble and disassemble explosive components
DEFEO721A	Remove explosive ordnance from damaged aircraft
DEFEO722A	Detect, record and collect evidence
TLIA5029A	Plan and manage storage of dangerous goods and hazardous substances
Code	**Group B Elective Units (General)**
DEFEQ003B	Manage equity and diversity
DEFEO720A	Conduct post blast analysis
DEFOH011B	Develop laser safety plans
BSBAUD501B	Initiate a quality audit
BSBAUD503B	Lead a quality audit
BSBAUD504B	Report on a quality audit
BSBMGT502B	Manage people performance
BSBOHS407A	Monitor a safe workplace
BSBSUS301A	Implement and monitor environmentally sustainable work practices
BSBWOR501B	Manage personal work priorities and professional development
BSBWOR502B	Ensure team effectiveness
HLTFA211A	Provide basic emergency life support
OR	
HLTFA311A	Apply first aid
MSL974003A	Perform chemical tests and procedures

PUACOM002B	Provide services to clients
PUACOM007B	Liaise with other organisations
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
PUAEMR030	Manage and evaluate emergency management exercises
PUAEMR031	Design emergency management exercises
PUAEMR026	Treat operational risk └ PUAEMR027 Assess operational risk
PUAEMR027	Assess operational risk
PUATEA003B	Lead, manage and develop teams
PUAWER004B	Respond to workplace emergencies