Australian Government

DEF40512 Certificate IV in Explosive Ordnance Operations

Release: 2

ISC INDUSTRY SKILLS COUNCILS
Creating Australia's Future

DEF40512 Certificate IV in Explosive Ordnance Operations

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 DEF40511 Certificate IV in Explosive Ordnance Operations 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	• identify and note organisation incident and injury statistics • identify and/or acquire documentation and licensing limitations • identify and report incidents • identify hazardous materials labels and characteristics and apply recognised and relevant action/criteria • obtain relevant authorisation before specialised and hazardous work is carried out • record and report details of first aid administered • record and report incidents and injuries • write to a level required in the preparation of letters and reports
Teamwork	• allocate material, personnel, skills and other requirements for the operations • apply principles of teamwork, and team's aims and objectives • apply techniques for supporting others/team members • control military teams • direct, control, coordinate and monitor the personnel involved in the operation • encourage other team members • participate as a member of a team that is conducting explosive ordnance disposal • understand composition of teams, and roles and responsibility of team members • work as a member of a team
Problem solving	• action reported problems • apply knowledge of explosive ordnance to assist in work and to guide problem solving • apply safety distance calculation procedures • coordinate operation with other concurrent operations and neighbouring/support activities/units as required • estimate net explosive quantity • identify and react to explosive ordnance emergencies

	• identify and report problems to the chain of command in accordance with procedures and instructions • perform clearance of malfunctioned ordnance • react to ordnance emergencies • reallocate/adjust resources to meet operational needs • understand malfunctioned ordnance clearance and emergency procedures
Initiative and enterprise	• gather information and intelligence from intelligence staffs/units/agencies, reports, maps, aerial photographs, other units/organisations, reconnaissance
Planning and organising	• access and analyse relevant explosive ordnance information • choose and plan the method of performing the operation • contribute to the determination of safety and evacuation requirements • gather information and intelligence and conduct reconnaissance • identify, acquire and assess materials required • identify occupational health and safety policies/safety precautions addressing the operation and apply in all associated activities • identify resource shortfalls and alternatives and/or include consequential action in the plan • plan the explosive ordnance operation
Self-management	• apply personal safety measures • interpret orders, instructions and directions • recognise and apply individual responsibilities regarding hazardous materials
Learning	• learn about material safety data sheets (MSDS), • learn about Explosive Transport Regulations • learn about Australian Code for the Transport of Explosives by Road and Rail • learn about the characteristics, technical capabilities, effects, employment and limitations of relevant equipment
Technology	• apply explosive ordnance knowledge relevant to work being performed • apply knowledge of technical capabilities, effects, employment and limitations of relevant equipment • arm and de-arm explosive ordnance system • collect, store and check equipment, tools and stores required for explosive ordnance demolitions operations • handle and move hazardous materials • use appropriate information technology and software • use weapon system and platform integration

Packaging Rules

17 units of competency are required for this qualification including:

- 4 core units
- 13 elective units

Choose a minimum of 11 elective units from the Group A (Specialisation) and Group B (General) lists below, of which 3 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
BSBCMN311B	Maintain workplace safety
TLID1001A	Shift materials safely using manual handling methods
Code	**Group A Elective Units (Specialisation)**
DEFCA309B	Perform military high-risk search
DEFEO211D	Apply a knowledge of explosive ordnance
DEFEO703C	Supervise military explosive ordnance task
DEFEO704C	Control military explosive ordnance operations
DEFEO706D	Participate in the conduct of explosive ordnance disposal operations
DEFEO720A	Conduct post blast analysis
MSL974003A	Perform chemical tests and procedures

TLIF4007A	Implement and coordinate accident-emergency procedures
Code	**Group B Elective Units (General)**
DEFCA004B	Conduct military searches ∟ BSBCMN311B Maintain workplace safety ∟ DEFCA011 Operate Defence communications equipment
DEFCM314A	Operate an in-service remote positioning vehicle
DEFEO202D	Establish and maintain the safety and security of explosive ordnance warehouses and workshops
DEFEO203C	Dispose of non-explosive dangerous goods
DEFEO710D	Prepare and arm weapon systems
DEFEO711C	Conduct military demolition operations
DEFEO712C	Lay and clear booby traps
DEFEO713C	Lay and clear mines
DEFEO714C	Conduct underwater explosive demolitions ∟ DEFDV001B Dive using self-contained underwater breathing apparatus in open water to 30 metres ∟ DEFEO711C Conduct military demolition operations
DEFEO722A	Detect, record and collect evidence
DEFEQ002B	Supervise equity and diversity in the workplace
DEFRI001B	Treat risk within Defence at an operational level
DEFRI002B	Conduct risk assessment in a Defence environment
BSBSUS301A	Implement and monitor environmentally sustainable work practices
HLTFA211A	Provide basic emergency life support
OR	
HLTFA311A	Apply first aid
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
PUAEMR026	Treat operational risk ∟ PUAEMR027 Assess operational risk
PUAEMR027	Assess operational risk
PUAWER004B	Respond to workplace emergencies
TLIB3006A	Carry out inspection of vehicles designed to carry special loads
TLIC3063A	Operate vehicle carry special loads
TLID3015A	Identify and label explosives and dangerous goods
TLID2016A	Load and unload explosives and dangerous goods