



Australian Government

DEFSEN003 Operate a torpedo fire control system

Release: 1

DEFSEN003 Operate a torpedo fire control system

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 DEFSO003C Operate a torpedo fire control system. • Unit code updated • Content and formatting updated to comply with new standards • All PC transitioned from passive to active voice • PC 1.2 removed • PC 2.2 and 2.3 merged

Application

This unit describes the skills required to operate a torpedo fire control system. It includes the requirement to enable the torpedo fire control system, input pre-firing data and ensure accurate information is entered into the system. This activity could continue for a prolonged period, requiring the operator to hand over effectively to another operator.

This unit was developed for Sensor Operators working within Defence but is applicable to any individual in this field of work.

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 as part of a team, under supervision, while performing routine tasks in a broad range of contexts and environments. They use discretion and judgement and take responsibility for the quality of their output.

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

Competency Field

Sensor Operations

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. Enable torpedo fire control system	1.1 Confirm serviceability of torpedo fire control system and recognise and report any faults to supervisor. 1.2 Insert weapon parameters into torpedo fire control system in accordance with current threat parameters and ship manoeuvring. 1.3 Establish external and internal communications.
2. Establish and update torpedo fire control system information	2.1 Collect information using sonar and other sensors. 2.2 Collect, collate and analyse information and input most up-to-date information into the torpedo fire control system. 2.3 Update parameters and report to command. 2.4 Report problems beyond own capability to supervisor. 2.5 Respond to threats.
3. Finalise operations	3.1 Transfer torpedo fire control system operation to new operator as required. 3.2 Cease operation of torpedo fire control system as directed by supervisor. 3.3 Clean and stow system components. 3.4 Complete and secure documentation.

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.

Unit Mapping Information

This unit supersedes and is equivalent to DEFSO003C Operate a torpedo fire control system.

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 DEFSEN003 Operate a torpedo fire control system

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.

- completing a minimum of eight torpedo firings in a real or simulated situation
- inputting pre-firing data into torpedo fire control system
- demonstrating correct voice procedure
- optimising sonar control room equipment
- using sonar/torpedo fire control system equipment
- working within one's delegated authority

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.

- basic principles and characteristics of sonar theory
- daily system operability tests (DSOTs)
- threat identification
- torpedo search pattern characteristics

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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