



**Australian Government**

# **DEFSIM013 Manage simulator accreditation or in service testing**

**Release: 1**

# **DEFSIM013 Manage simulator accreditation or in service testing**

## **Modification History**

Release 1. This is the first release of this unit of competency in the DEF Defence Training Package Release 4.0.

## **Application**

This unit describes the knowledge and skills required to manage Simulator Accreditation or In-Service Testing.

It includes the determination of accreditation or in-service test requirements. It also includes the management of accreditation/test schedules, human resources as well as quality and legislative requirements.

In the context of this unit, simulators are used to replicate land, air, sea and undersea systems to facilitate training and operations.

Simulators may include desktop trainers, procedural trainers, virtual reality trainers and complex simulators. Accreditation or in-service testing may include formal accreditation/certification against a standard, initial acceptance testing and upgrade testing.

This unit applies to those working in the simulator management field and was developed for people who manage maintenance, maintenance teams, simulator procurement and simulation projects.

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, particularly those relating to simulation standards and International Organisation for Standardisation (ISO) standards.

Those undertaking this unit would work independently, or as part of a team, with minimal supervision, while performing tasks, including maintenance management, in a limited range of contexts. They would use discretion and judgement and take responsibility for the quality of their outputs.

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

## **Pre-requisite Unit**

Not applicable.

## **Competency Field**

Simulator Operations

## Unit Sector

Not applicable.

## Elements and Performance Criteria

### ELEMENTS

### PERFORMANCE CRITERIA

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

#### **1 Access and interpret accreditation standards or testing requirements**

- 1.1** Identify and obtain relevant accreditation standards or test requirements
- 1.2** Review to determine relevant accreditation standard or test requirements obtained for relevance and application to the simulator and organisation
- 1.3** Document outcomes of the analysis, and determine recommendations, relevant accreditation standard or test requirements

#### **2 Define test plan that ensures accreditation standards and or test requirements are achieved**

- 2.1** Document test requirements into test plan
- 2.2** Consider time requirements, schedule and operating requirements and factor into test plan
- 2.3** Determine human resources required for testing and record into test plan
- 2.4** Determined simulator access, support, test equipment and facility requirements and record into test plan
- 2.5** Confirm the test plan with team, appropriate agency, accreditor or stakeholder if applicable

#### **3 Manage accreditation/in service testing**

- 3.1** Manage testing to ensure desired outcomes
- 3.2** Update the test plan and schedule to deal with changing development conditions
- 3.3** Report any unexpected test outcomes with organisation
- 3.4** Ensure test reruns are conducted to address failed tests

## **4 Finalise testing**

- 4.1** Collate test results and ensure all testing requirements have been satisfied against organisational requirements
- 4.2** Ensure all test results have been analysed against the required standards/requirements
- 4.3** Conduct quality and compliance checks on all test results against organisational requirements
- 4.4** Report any non-compliant tests to the appropriate agency or accreditor
- 4.5** Produce test results to the appropriate agency, accreditor or stakeholder

## **Foundation Skills**

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

## **Range of Conditions**

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the DEF Defence Training Package Companion Volume Implementation Guide.

## **Unit Mapping Information**

This is a new unit. No equivalent unit.

## **Links**

Companion Volume Implementation Guides are found on VETNet -

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

# Assessment Requirements for DEFSIM013 Manage simulator accreditation or in service testing

## Modification History

Release 1. This is the first release of this unit of competency in the DEF Defence Training Package Release 4.0.

## Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria on at least one occasion and include:

- managing the accreditation or in-service testing process
- defining test and quality requirements and an associated test plan
- finalising accreditation or in-service testing
- undertaking research and analysis related to simulator accreditation or in-service testing
- following configuration management processes
- identifying, reviewing and analysing information that may impact simulator accreditation or in-service testing
- negotiating and communicating effectively with key stakeholders.

## Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- capabilities and limitations of the relevant simulator
- standards, legislative and regulatory requirements related to the simulator accreditation or in-service testing
- organisational policy and procedures related to the relevant simulator accreditation or in-service testing
- product knowledge related to systems and equipment in service.

## Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Assessment must occur in workplace operational situations or simulated workplace operational situations that reflect workplace conditions.

Retail or commercial systems whose primary purpose is entertainment do not meet the requirements.

Individual domestic use systems whose primary purpose is entertainment do not meet the requirements.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or simulations
- acceptable means of simulation assessment
- applicable documentation including workplace procedures, regulations, codes of practice and operation manuals
- relevant materials, tools, equipment and personal protective equipment currently used in industry.

## Links

Companion Volume Implementation Guides are found on VETNet -

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