



Australian Government

Assessment Requirements for DEFSIM011 Fault find and repair simulator control systems

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the DEF Defence Training Package Release 4.0. Motion systems component removed and developed in a new unit.

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 includes:

- undertaking research and analysis related to simulator control systems
- following logical, fault finding techniques
- using tools measuring instruments and diagnostics
- applying simulator control and systems repair methodologies
- following configuration management processes
- using appropriate information technology and software including proprietary control system calibration software and general online diagnostic tool software
- identifying, reviewing and analysing information that may impact on the simulator control system fault finding
- conducting simulator control system functional 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:

- operational capabilities and limitations of the relevant simulator
- operational capabilities and limitations of the relevant simulator control system
- simulator operating modules comprising the simulator system being worked on
- fault indicators related to the simulator control systems being worked on
- repair methodologies related to the simulator control and systems being worked on
- legislative and regulatory requirements related to the simulator control systems being worked on
- organisational policy and procedures related to the relevant simulator control systems
- configuration management related to the simulator control and systems being worked on
- product knowledge related to systems and/or 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 must occur in workplace operational situations. Where this is not appropriate, assessment must occur in simulated workplace operational situations that reflect workplace conditions.

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.

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 PPE 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>