DEF40520 Certificate IV in Simulator Maintenance

Release 1

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Modification History

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

Qualification Description

This qualification has been designed to provide a package of broad and flexible competencies reflecting the workplace responsibilities to trouble-shoot, repair and maintain electronic and mechanical components of simulators used in training (for example pilot training). Skills involve the use of specialized tools, test equipment, built-in diagnostic equipment and technical data to isolate and locate faulty components or system malfunctions.

It qualifies individuals who apply a broad range of specialised knowledge and skills in varied contexts to undertake skilled work in simulator maintenance.

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

Packaging Rules

14 units of competency are required for this qualification:

- 7 core units
- 7 elective units

Choose a minimum of 5 elective units from the list below, of which at least 4 must be taken from Group A.

Choose the remaining 2 elective units from either the list below, or from elsewhere within this training package, or from another endorsed training package, or from an accredited course.

All elective units selected from outside this qualification must reflect the occupational and learning outcomes of this AQF qualification level. Seek further advice on selecting imported units of competency in the DEF Implementation Guide.

Elective units selected must not duplicate content already covered by other units in this qualification.

Where imported units are selected, care must be taken to ensure that all prerequisite units specified are complied with.

Core units

DEFSIM015   Fault find and repair simulator power distribution and control systems

DEFSIM016   Fault find and repair simulator computer systems and peripheral hardware

DEFSIM017	Fault find and repair simulator image generator and visual display systems
DEFSIM011	Fault find and repair simulator control systems
DEFSIM018	Fault find and repair simulator sound systems
DEFSIM014	Work effectively with simulator systems
DEFSIM021	Operate the simulator for testing purposes

Group A: Specialisation units

DEFSIM019	Fault find and repair simulator weapons systems
DEFSIM012	Fault find and repair simulator motion systems
TLIX4031	Apply knowledge of configuration management
DEFSIM020	Conduct simulator performance evaluation
BSBWHS311	Assist with maintaining workplace safety
BSBOPS402	Coordinate business operational plans
BSBSTR402	Implement continuous improvement
BSBWHS211	Contribute to the health and safety of self and others
ICTICT206	Install software applications
ICTICT302	Install and optimise operating system software
ICTICT303	Connect internal hardware components
ICTSAS203	Connect hardware peripherals
ICTSAS213	Maintain the integrity of ICT systems
TLIX4032	Apply knowledge of technical regulatory framework

Group B: General elective units

AVIM0008	Operate a simulator
AVIM0009	Facilitate training in a synthetic environment
BSBOPS404	Implement customer service strategies
BSBWHS411	Implement and monitor WHS policies, procedures and programs
BSBSUS411	Implement and monitor environmentally sustainable work practices

BSBPEF501	Manage personal and professional development
DEFGEN006	Work with equity and diversity
HLTAID011	Provide First Aid
DEFGEN005	Develop relationships with other organisations
PUAOPE015	Conduct briefings and debriefings
DEFGEN001	Work in a team
TLID1001	Shift materials safely using manual handling methods
TLID2010	Operate a forklift
TLID0006	Move materials mechanically using automated equipment
TLID0008	Shift loads using bridge or gantry crane
TLIO1002	Follow security procedures when working with passengers and personnel

Qualification Mapping Information

This qualification supersedes and is not equivalent to DEF43215 Certificate IV in Simulator Maintenance.

Links

Companion Volume Implementation Guides are found on VETNet -
https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6bdbab1e-11ed-4bc9-9cba-9e1a55d4e4a9

Australian Industry Standards