



Australian Government

**Assessment Requirements for
MEAA VI0034 Fabricate aircraft electrical
looms and harnesses**

Release: 1

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Modification History

Release 1. Application changed. Elements and Performance Criteria changed. Foundation Skills made explicit. Range of Conditions removed, and relevant information moved to Assessment Requirements. Assessment Requirements clarified. Supersedes and is equivalent to MEA239 Fabricate aircraft electrical looms and harnesses.

Performance Evidence

There must be evidence the candidate has completed all the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- fabricate aircraft electrical looms and harnesses (including wire-marking) on at least three looms and harnesses collectively
- use approved fabrication procedures and processes relating to the electrical looms, cables, and harnesses being fabricated
- recognise the integrity or security of electrical component crimps, joints and plug or connector pins for the electrical looms and harnesses being fabricated
- apply safety precautions applicable to the electrical looms, harnesses and cables being fabricated.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- electrical wire gauges and standards
- wire-marking conventions and procedures
- wire terminations, soldering and crimping techniques
- work health and safety (WHS) practices for fabrication of aircraft electrical looms and harnesses
- maintenance documentation for fabrication of aircraft electrical looms and harnesses
- industry standards for aircraft electrical looms and harnesses.

Assessment Conditions

The following conditions of assessment represent the requirements of the regulators (DASA and CASA) and maintenance stakeholders and must be rigorously observed.

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies encountered in fabricating aircraft electrical looms and harnesses. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:

- workplace procedures, manufacturing specifications, codes, standards, manuals, and reference materials relevant to fabricating aircraft electrical looms and harnesses
- tools and equipment specified by aircraft in the maintenance manuals
- general-purpose tools and test equipment required for the fabrication of aircraft electrical looms and harnesses.

Evidence of tasks demonstrating competency must be recorded in a log of industrial experience and achievement.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=ce216c9c-04d5-4b3b-9bcf-4e81d0950371>