

Title	Repair or fabricate aircraft wiring loom and harness assemblies		
Level	4	Credits	15

Purpose	People credited with this unit standard are able to repair or fabricate aircraft wiring loom and harness assemblies.
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Classification	Aeronautical Engineering > Avionic Electrical Repair
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Available grade	Achieved
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Guidance Information

- 1 All tasks must be carried out in accordance with enterprise procedures.
- 2 **Definition**
Enterprise procedures – procedures used by the organisation carrying out the work and applicable to the tasks being carried out. Examples are – standard operating procedures, safety procedures, equipment operating procedures, codes of practice, quality management practices and standards, procedures to comply with legislative and local body requirements.
- 3 The repair activities referred to in this unit standard are those usually carried out in a specialist bay or workshop on components that have been removed from the aircraft.

Outcomes and performance criteria

Outcome 1

Repair or fabricate aircraft wiring loom and harness assemblies.

Performance criteria

- 1.1 Task is determined by reviewing maintenance documentation and enterprise procedures.
- 1.2 Component identity is matched to the documentation.
- 1.3 Resources are obtained and checked for serviceability or status.

Range	may include but is not limited to – publications, tools, materials, equipment, safety equipment.
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1.4 Harness assemblies and wiring looms are repaired or fabricated.

Range wire stripping, wire marking and labelling, crimping, soldering, potting, lacing, plugs and connectors removed and fitted, corrosion/contamination control, vibration and flexing control.

1.5 Defects are found and analysed.

1.6 Any defects are rectified.

Range may include but is not limited to – repair, replace, modify, adjust.

1.7 Documentation is completed.

Range may include but is not limited to – labels, work cards, release notes, logbooks, certification.

Planned review date	31 December 2027
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	19 June 1995	31 December 2016
Revision	2	7 August 1997	31 December 2016
Revision	3	8 May 2001	31 December 2016
Review	4	19 May 2006	31 December 2016
Revision	5	21 September 2007	31 December 2016
Review	6	24 October 2014	31 December 2021
Review	7	26 March 2020	N/A
Rollover and Revision	8	27 June 2024	N/A

Consent and Moderation Requirements (CMR) reference	0028
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact Ringa Hora Services Workforce Development Council qualifications@ringahora.nz if you wish to suggest changes to the content of this unit standard.