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|--------------|------------------------------------------------------------------------|----------------|-----------|
| <b>Title</b> | <b>Repair or fabricate aircraft wiring loom and harness assemblies</b> |                |           |
| <b>Level</b> | <b>4</b>                                                               | <b>Credits</b> | <b>15</b> |

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

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### Outcomes and performance criteria

#### Outcome 1

Repair or fabricate 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.

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.

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| <b>Planned review date</b> | 31 December 2024 |
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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                      |

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|------------------------------------------------------------|------|
| <b>Consent and Moderation Requirements (CMR) reference</b> | 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 ServicelQ [qualifications@serviceiq.org.nz](mailto:qualifications@serviceiq.org.nz) if you wish to suggest changes to the content of this unit standard.