

<b>Title</b>	<b>Repair or fabricate aircraft fibre optic conductors and harness assemblies</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>12</b>

<b>Purpose</b>	People credited with this unit standard are able to repair or fabricate aircraft fibre optic conductors 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 aircraft fibre optic conductors 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 – tools, materials, equipment, safety equipment, publications.

1.4 Conductors and harness assemblies are repaired or fabricated.

Range conductor preparation, conductor marking and labelling, crimping, potting, lacing, plugs and connectors removed and fitted.

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.

<b>Planned review date</b>	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#### Status information and last date for assessment for superseded versions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 May 2006	31 December 2016
Revision	2	21 September 2007	31 December 2016
Review	3	24 October 2014	31 December 2021
Review	4	26 March 2020	N/A
Rollover and Revision	5	27 June 2024	N/A

<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 Ringa Hora Services Workforce Development Council [qualifications@ringahora.nz](mailto:qualifications@ringahora.nz) if you wish to suggest changes to the content of this unit standard.