

<b>Title</b>	<b>Manufacture hosing for use on launch vehicle assemblies</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>10</b>

<b>Purpose</b>	People credited with this unit standard are able to: prepare to manufacture hosing for use on launch vehicle assemblies; prepare material for manufacture of hosing for use on launch vehicle assemblies; manufacture hosing for use on launch vehicle assemblies; and complete finishing activities related to the manufacture hosing for use on launch vehicle assemblies.
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<b>Classification</b>	Aeronautical Engineering > Aerospace Engineering
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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 Hosing may include manufacture, test and cleaning of flexible hose assemblies for use in aerospace applications.

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### Outcomes and performance criteria

#### Outcome 1

Prepare to manufacture hosing for use on launch vehicle assemblies.

#### Performance criteria

- 1.1 Task is determined by reviewing maintenance documentation and manuals.  
  
Range may include but is not limited to – manufacturer and enterprise publications, drawings.

1.2 Work area is prepared, and resources are obtained and checked for serviceability.

Range may include but is not limited to – publications, tools, equipment, safety equipment, environmental conditions established.

### **Outcome 2**

Prepare material for manufacture of hosing for use on launch vehicle assemblies.

#### **Performance criteria**

2.1 Materials are prepared.

Range may include but is not limited to – hose, fastenings.

2.2 Fittings and accessories are prepared.

Range may include but is not limited to – sleeves, crimp collars, reducers, end fittings, expansion valves, line tap valves.

2.3 Inspections are obtained.

### **Outcome 3**

Manufacture hosing for use on launch vehicle assemblies.

#### **Performance criteria**

3.1 Hosing is cut, fabricated, joined, and sealed.

3.2 Hosing is tested and adjusted.

Range may include but is not limited to –functionally pressure test, adjust, document adjustments and performance.

3.3 Inspections are obtained.

### **Outcome 4**

Complete finishing activities related to the manufacture of hosing for use on launch vehicle assemblies.

#### **Performance criteria**

4.1 Completion activities specific to the task and work area are carried out.

Range completion activities may include but are not limited to – tool control, cleanliness, tidiness, return of publications.

- 4.2 Resources are checked for serviceability and returned to service or storage.
- Range may include but are not limited to – tools, equipment, safety equipment.
- 4.3 Leftover parts and materials are disposed of.
- Range may include but is not limited to – serviceable, unserviceable, surplus, waste, scrap, hazardous.
- 4.4 Documentation is completed.
- 4.5 Work area is left in a state that enables the next task to begin.

<b>Planned review date</b>	31 December 2025
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#### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	23 April 2020	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 ServicelQ [qualifications@serviceiq.org.nz](mailto:qualifications@serviceiq.org.nz) if you wish to suggest changes to the content of this unit standard.