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|--------------|---|----------------|-----------|
| <b>Title</b> | <b>Maintain aircraft explosive escape systems</b> |                |           |
| <b>Level</b> | <b>4</b>  | <b>Credits</b> | <b>10</b> |

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| <b>Purpose</b> | People credited with this unit standard are able to: prepare to maintain aircraft explosive escape systems; locate defects in aircraft explosive escape systems; rectify defects in aircraft explosive escape systems; and complete tasks related to the maintenance of aircraft explosive escape systems. |
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| <b>Classification</b> | Aeronautical Engineering > Aeronautical Armament |
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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 Aircraft explosive escape systems may include aircraft ejection seat components and equipment, escape system initiator mechanisms, command firing systems, canopy jettison systems, canopy severance systems.

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### Outcomes and performance criteria

#### Outcome 1

Prepare to maintain aircraft explosive escape systems.

#### Performance criteria

- 1.1 Task is determined by reviewing maintenance documentation and manuals.
- 1.2 Resources are obtained and checked for serviceability or status.

Range may include but is not limited to – publications, tools, materials, equipment, safety equipment.

1.3 Aircraft registration and system to be maintained are matched with documentation.

Range aircraft location and registration, system location on aircraft.

1.4 System is prepared for the application of power.

Range may include but is not limited to – system confirmed as disarmed, parachutes and survival packs removed if fitted, system controls match component positions, isolation tags in place, external and internal warnings signs in place, switches and selectors set, other aircraft systems in a state of readiness to receive power, permission obtained to apply power, other personnel warned.

## Outcome 2

Locate defects in aircraft explosive escape systems.

### Performance criteria

2.1 System serviceability is determined.

Range inspect, assess, test.

2.2 Defects are reported and documented.

## Outcome 3

Rectify defects in aircraft explosive escape systems.

### Performance criteria

3.1 Methods of rectifying defects are determined.

3.2 Replacement parts are procured and verified as authentic and serviceable.

Range identify, inspect.

3.3 Defects are rectified.

Range rectification action includes – repairing, replacing or modifying, adjusting, lubricating.

3.4 Supervisory inspections are obtained.

## Outcome 4

Complete tasks related to the maintenance of aircraft explosive escape systems.

**Performance criteria**

4.1 Aircraft, system, and work area are left in a state that enables the next task to begin.

Range may include but is not limited to – isolation tags attached, external and internal warnings placed and removed, system switches and selectors set, power disconnected and connected, parachutes and survival packs refitted, ground equipment stowed, loose articles removed, cleaned, tidied.

4.2 Resources are checked for serviceability and returned to service or storage.

Range may include but is not limited to – publications, 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.

Range may include but is not limited to – labels, work orders, certification obtained.

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| <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       | 19 June 1995    | 31 December 2016         |
| Revision     | 2       | 7 August 1997   | 31 December 2016         |
| Review       | 3       | 19 October 2000 | 31 December 2016         |
| Review       | 4       | 26 March 2007   | 31 December 2016         |
| Review       | 5       | 24 October 2014 | 31 December 2022         |
| Review       | 6       | 27 August 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 ServiceIQ [qualifications@serviceiq.org.nz](mailto:qualifications@serviceiq.org.nz) if you wish to suggest changes to the content of this unit standard.