

<b>Title</b>	<b>Load and unload, and arm and disarm aircraft torpedoes</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>4</b>

<b>Purpose</b>	People credited with this unit standard are able to: prepare to load and unload, and arm and disarm aircraft torpedoes; load and unload aircraft torpedoes; arm and disarm aircraft torpedoes; and complete tasks related to the loading and unloading and arming and disarming of aircraft torpedoes.
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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.

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### Outcomes and performance criteria

#### Outcome 1

Prepare to load and unload, and arm and disarm aircraft torpedoes.

#### 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, equipment, safety equipment, signs and/or flags, ground support equipment and/or transporter arranged.
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- 1.3 Torpedoes are stored before loading to and after unloading from aircraft.

1.4 Aircraft is prepared for loading and unloading.

Range aircraft positioned in authorised loading and unloading area, and arming and disarming area; distance between aircraft checked; safe headings checked; chocks fitted; bonding attached; warning devices fitted and removed; Hazards of Electromagnetic Radiation to Ordnance (HERO) precautions implemented; signs and/or flags positioned; role equipment fitted and removed.

1.5 Armament system is tested using test equipment.

## **Outcome 2**

Load and unload aircraft torpedoes.

### **Performance criteria**

2.1 Torpedoes and associated equipment are inspected.

Range may include but is not limited to – torpedoes, role equipment, arming wires, suspension bands, electrical connectors.

2.2 Torpedoes are loaded and unloaded.

Range loaded and unloaded manually and/or mechanically, secured to and released from transporter.

2.3 Torpedoes and role equipment are secured to and removed from aircraft.

Range may include but is not limited to – alignment checked, sway bracing adjusted, hook sear indicators checked, safety devices fitted and removed.

2.4 Weapon data is entered onto inventory and/or loading panels.

2.5 Supervisory inspections are obtained.

## **Outcome 3**

Arm and disarm aircraft torpedoes.

### **Performance criteria**

3.1 Armament systems are armed and disarmed.

Range clearance obtained from pilot, safety devices fitted and removed.

3.2 System status is indicated to pilot.

**Outcome 4**

Complete tasks related to the loading and unloading and arming and disarming of aircraft torpedoes.

**Performance criteria**

4.1 Defects are reported and documented.

Range armament system, torpedoes, support equipment, role equipment.

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

Range may include but is not limited to – tools, equipment, publications, safety equipment, signs and/or flags, ground support equipment and/or transporter.

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

Range isolation tags attached or removed, external and internal warnings positioned and stowed, system switches and selectors set, power connected or disconnected, access panels closed, cleaned, tidied.

<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 October 2000	31 December 2016
Review	2	26 March 2007	31 December 2016
Review	3	24 October 2014	31 December 2022
Review	4	27 August 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>.

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**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.