

Title	Operate an air-to-ground weapons range		
Level	6	Credits	6

Purpose	People credited with this unit standard are able to: prepare to operate an air-to-ground weapons range; prepare an air-to-ground weapons range; operate air-to-ground weapons range equipment; and deactivate an air-to-ground weapons range.
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Classification	Aeronautical Engineering > Aeronautical Armament
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Available grade	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 Emergency response and/or incident response outcomes may be assessed during simulated events.

Outcomes and performance criteria

Outcome 1

Prepare to operate an air-to-ground weapons range.

Performance criteria

- 1.1 Task is determined by reviewing task documentation and manuals.

Range	task documentation, range operating manuals and procedures, range equipment manuals, instructions.
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- 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, fire-fighting equipment, vehicles, flags, warning signs.
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1.3 Logistic requirements are arranged.

Range may include but is not limited to – rations, accommodation, transport, fuel, power, domestic supplies, support personnel, laser protection equipment.

1.4 Authorities are advised of task and duration.

Range may include but is not limited to – Maritime New Zealand, Civil Aviation Authority, police, hospital, fire, ambulance, adjacent landowners, public notices.

1.5 Clearances are obtained to operate systems or equipment.

Range may include but is not limited to – area authorised, laser positions.

1.6 Any non-compliance is reported.

Outcome 2

Prepare an air-to-ground weapons range.

Performance criteria

2.1 Range area is prepared.

Range clear personnel and equipment, position signs and flags, secure gates, post guards.

2.2 Targets are erected and constructed to meet task requirements.

Range may include but is not limited to –
day operations – targets for gun ammunition, practice bombs, high-explosive bombs, laser restrictions and requirements complied with, geographic position of targets selected;
night operations – targets for practice bombs, indicator light paths set up, geographic position of targets selected.

2.3 Range sighting equipment is prepared.

Range may include but is not limited to – scoring systems, video cameras and recorders, quadrant sights, computers, printers.

2.4 Range equipment is tested to ensure serviceability.

Range may include but is not limited to – fixed and mobile radios, fire-fighting equipment, sighting and recording equipment, scoring systems including printer and video.

2.5 Any range equipment defects are reported and documented.

Outcome 3

Operate air-to-ground air weapons range equipment.

Performance criteria

3.1 Range recording systems are used.

Range may include but is not limited to – manual and/or computer-based plotting and sighting, programming, operation.

3.2 Weapon impact points and details are charted, plotted, reported, and recorded during both day and night operations.

Range may include but is not limited to –
day operations – gun ammunition, practice bombs, high-explosive bombs;
night operations – practice bombs.

3.3 Action is taken in event of an incident occurring.

Range may include but is not limited to – fires managed utilising rural fire fighting vehicles and/or fire-fighting equipped aircraft, unexploded explosive ordnance reported.

Outcome 4

Deactivate an air-to-ground air weapons range.

Performance criteria

4.1 Range equipment is dismantled and prepared for storage or transit.

4.2 Physical range clearance and closure is carried out.

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

Range may include but is not limited to – range, domestic facilities, tools, vehicles, equipment, safety equipment, publications.

4.4 Leftover items are disposed of.

Range may include but is not limited to – serviceable, unserviceable, unexploded explosive ordnance, hazardous.

4.5 Documentation is completed.

Range range diary, demolition log, range clearance certificate.

Planned review date	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 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
Rollover and Revision	7	27 June 2024	N/A

Consent and Moderation Requirements (CMR) reference	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 if you wish to suggest changes to the content of this unit standard.