

Title	Carry out aircraft ground handling		
Level	4	Credits	4

Purpose	People credited with this unit standard are able to: marshal aircraft; assist with engine start-up and shutdown; move aircraft manually or by towing; and park and moor aircraft.
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Classification	Aeronautical Engineering > Aircraft Servicing
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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 This standard must be assessed against in the workplace or by the use of simulated activities off-the-job.
- 4 The scope of the system that this standard relates to is described in ATA iSpec 2200, chapters 9 and 10.

Outcomes and performance criteria

Outcome 1

Marshal aircraft.

Performance criteria

- 1.1 Marshalling equipment, clothing, and assistants are selected and used.
- 1.2 Marshalling positions are selected to ensure adequate visibility and safety.

Range for flight crew, for ground markings, for ground personnel, for aircraft clearance from obstructions.

- 1.3 Aircraft is marshalled using International Civil Aviation Organisation (ICAO), International Airline Transportation Association (IATA) or Air Force Interoperability Council (AFIC) marshalling signals.

Outcome 2

Assist with engine start-up and shutdown.

Performance criteria

- 2.1 Aircraft is prepared for engine start.

Range may include but is not limited to – blanks, covers and screens are removed or fitted (as required); chocks and brakes are applied; aircraft is positioned; fire extinguisher is positioned; access doors are closed; area checked clear around the aircraft.

- 2.2 Start services are applied and removed.

- 2.3 Fires discovered on engine or services during start-up or shutdown, or brakes during shutdown are controlled and/or reported.

Range pilot signalled, fire section notified, attempt to extinguish.

- 2.4 Communication with flight deck crew is established.

Range may include – verbal, visual, electronic.

- 2.5 Emergency or precautionary engine shutdown procedures are followed.

- 2.6 Emergency shutdowns are recorded and reported.

Outcome 3

Move aircraft manually or by towing.

Performance criteria

- 3.1 Aircraft is prepared to be moved.

Range may include but is not limited to – structural panels fitted; doors, panels and cowls closed; covers, blanks, locks, chocks and steering mechanisms positioned as required; clearance obtained.

- 3.2 Towing and moving equipment are selected and fitted, and personnel are selected and positioned.

Range may include but is not limited to – tow bars, tow arms, bridles, wheels, towing vehicles; personnel may include but are not limited to – clearance personnel, aircraft brake operator, tow vehicle driver.

3.3 Communication is established and maintained between aircraft, control tower (where applicable), towing vehicle, and clearance crew.

Range may include – verbal, visual, electronic.

3.4 Aircraft is moved in accordance with aircraft type.

Outcome 4

Park and moor aircraft.

Performance criteria

4.1 Aircraft is parked.

4.2 Aircraft is tied down in accordance with aircraft type.

4.3 Securing equipment is installed and removed in accordance with aircraft type.

Range may include but is not limited to – locks, chocks, covers, blanks, propeller or rotor tie downs, special equipment.

4.4 Documentation is completed.

Planned review date	31 December 2024
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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
Revision	3	8 May 2001	31 December 2016
Review	4	20 April 2006	31 December 2016
Review	5	18 June 2014	31 December 2021
Revision	6	28 June 2018	31 December 2021
Review	7	26 March 2020	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 ServicelQ qualifications@ServicelQ.org.nz if you wish to suggest changes to the content of this unit standard.