

1. Title	Aircraft ground handling
2. Code	EMAMAG315A
3. Range	Aircraft ground handling is usually carried out in an aircraft hangar.
4. Level	3
5. Credit	4
6. Competency	<p style="text-align: center;"><u>Performance Requirement</u></p> <p>6.1 Marshal aircraft</p> <ul style="list-style-type: none"> <li>◆ Able to select and use the marshalling equipment, clothing and assistants in accordance with the procedures.</li> <li>◆ Able to select the marshalling positions to ensure adequate visibility and safety in accordance with the procedures, e.g. for flight crew, for ground markings, for ground personnel, for aircraft clearance from obstructions.</li> <li>◆ Able to marshal the aircraft using International Civil Aviation Organization (ICAO), or Air Standardization Coordinating Committee (ASCC) marshalling signals in accordance with the procedures.</li> </ul> <p>6.2 Methods and procedures</p> <ul style="list-style-type: none"> <li>◆ Able to prepare the aircraft for engine start in accordance with the procedures, e.g. 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 and area checked clear around the aircraft.</li> <li>◆ Able to apply and remove the start services in accordance with the procedures.</li> </ul>

- ◆ Able to control and/or report the fires discovered on engine or services during start-up or shutdown, or brakes during shutdown are in accordance with the procedures, e.g. pilot signaled, fire section notified, attempt to extinguish.
- ◆ Able to establish the communication with flight deck crew in accordance with the procedures, e.g. verbal, visual, electronic.
- ◆ Able to follow the emergency or precautionary engine shutdown procedures in accordance with the procedures.
- ◆ Able to record and report the emergency shutdowns in accordance with the procedures.
- ◆ Able to prepare the aircraft to be moved in accordance with the procedures.  
Range structural panels fitted, doors, panels and cowls closed, covers, blanks, locks, chocks and steering mechanisms positioned as necessary, clearance obtained.
- ◆ Able to select and fit the towing and moving equipment, and select and posit the personnel in accordance with the procedures, e.g. equipment - tow bars, tow arms, bridles, wheels, towing vehicles.  
personnel - clearance personnel, aircraft brake operator, tow vehicle driver.

6.3 Professional approach

- ◆ Able to establish and maintain the communication between aircraft, control tower, towing vehicle, and clearance crew in accordance with the procedures, e.g. verbal, visual, electronic.
- ◆ Able to move the aircraft in accordance with aircraft type and procedures.
- ◆ Able to understand the legislative requirements, aviation authority requirements, manufacturers' publications and the maintenance organizations' approved maintenance practices and requirements in carrying out the task.
- ◆ Able to complete the task within the stipulated duration.
- ◆ Able to park the aircraft in accordance with the procedures.
- ◆ Able to tie down the aircraft in accordance with aircraft type and procedures, e.g. picketing or mooring.
- ◆ Able to install and remove the securing equipment in accordance with aircraft type and procedures, e.g. locks, chocks, covers, blanks, propeller or rotor tie downs, special equipment.
- ◆ Able to complete the documentation in accordance with the procedures.

7. Assessment Criteria	The integral outcome requirement of this UoC are:  (i) Able to marshal the aircraft.  (ii) Able to assist with the engine starting and shutdown.  (iii) Able to move the aircraft manually or by towing.  (iv) Able to park and moor the aircraft.
8. Remarks	Ref: NZQA - 3907