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| Title | Maintain aircraft gas turbine engine thrust reverser systems | | |
| Level | 4 | Credits | 5 |

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| Purpose | People credited with this unit standard are able to: prepare to maintain aircraft gas turbine engine thrust reverser systems; locate defects in aircraft gas turbine engine thrust reverser systems; restore airworthiness of aircraft gas turbine engine thrust reverser systems; and complete finishing activities related to maintaining aircraft gas turbine engine thrust reverser systems. |
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| Classification | Aeronautical Engineering > Aircraft Powerplant Maintenance |
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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 The maintenance activities referred to in this unit standard are those normally carried out on an aircraft in a hangar.
- 4 The scope of the system that this unit standard relates to is described in ATA iSpec 2200, chapter 72.

Outcomes and performance criteria

Outcome 1

Prepare to maintain aircraft gas turbine engine thrust reverser systems.

Performance criteria

- 1.1 Task is determined by reviewing maintenance documentation and enterprise procedures.

1.2 Resources are obtained and checked for serviceability.

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

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

1.4 Aircraft and system are prepared for the application of power and system operation.

Range may include but is not limited to – cockpit controls match component positions, clearances, isolation tags, warning signs.

1.5 Ground and/or support equipment is positioned ready for gas turbine engine thrust reverser systems maintenance activities.

Outcome 2

Locate defects in aircraft gas turbine engine thrust reverser systems.

Performance criteria

2.1 Serviceability is determined.

Range inspect, assess, test.

2.2 Defects are reported and documented.

Outcome 3

Restore airworthiness of aircraft gas turbine engine thrust reverser 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 may include but is not limited to – repair, replace, modify, adjust, calibrate, lubricate.

3.4 Gas turbine engine thrust reverser systems are tested to verify serviceability.

3.5 Inspections are obtained.

Outcome 4

Complete finishing activities related to maintaining aircraft gas turbine engine thrust reverser systems.

Performance criteria

4.1 Completion activities specific to the task and work area are carried out.

Range may include but are not limited to – tool control, cleanliness, tidiness, return of publications, systems and aircraft left ready for next activity.

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

Range may include but are not limited to – tools, equipment, safety equipment.

4.3 Leftover parts and materials are disposed of.

Range may include but are not limited to – serviceable, unserviceable, surplus, waste, scrap, hazardous.

4.4 Documentation is completed.

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| 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 | 20 June 1995 | 31 December 2016 |
| Revision | 2 | 7 August 1997 | 31 December 2016 |
| Revision | 3 | 8 May 2001 | 31 December 2016 |
| Review | 4 | 25 September 2006 | 31 December 2016 |
| Review | 5 | 17 July 2014 | 31 December 2021 |
| Review | 6 | 26 March 2020 | N/A |

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| 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 ServiceIQ qualifications@serviceiq.org.nz if you wish to suggest changes to the content of this unit standard.