

Title	Test aircraft radome transmissivity on a test rig		
Level	4	Credits	5

Purpose	People credited with this unit standard are able to: prepare aircraft radome for transmissivity testing on a test rig; test aircraft radome transmissivity on a test rig; and complete the test task.
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Classification	Aeronautical Engineering > Avionic Radio Repair
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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 activities referred to in this unit standard are those usually carried out in a specialist bay or workshop on components that have been removed from the aircraft.
- 4 Testing may include carrying out one-way RF transmission efficiency testing of aircraft radomes on a far field test range.

Outcomes and performance criteria

Outcome 1

Prepare aircraft radome for transmissivity testing on a test rig.

Performance criteria

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

1.2 Work area is prepared, and resources obtained and checked for serviceability or status.

Range may include but is not limited to – publications, materials, tools, equipment, safety equipment, environmental conditions established.

1.3 Aircraft radome identity is matched with documentation.

1.4 Aircraft radome is prepared for testing.

Range may include but is not limited to – clean, inspect, install on test rig.

Outcome 2

Test aircraft radome transmissivity on a test rig.

Performance criteria

2.1 Aircraft radome transmissivity is tested.

Range may include but is not limited to – record data, evaluate data, determine adjustments, troubleshoot, functionally test, calibrate, adjust, document adjustments and performance.

2.2 Defects found during testing are reported and recorded.

2.3 Inspections are obtained.

Outcome 3

Complete the test task.

Performance criteria

3.1 Aircraft radome is prepared.

Range may include but is not limited to – use, storage, transit, remove from test rig, lock, blank, prepare for transit.

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

Range may include but is not limited to – tool control, cleanliness, tidiness, return of publications, preparation for next activity.

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

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

3.4 Documentation is completed.

Planned review date	31 December 2025
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	23 November 2017	31 December 2022
Review	2	23 July 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 ServiceIQ qualifications@serviceiq.org.nz if you wish to suggest changes to the content of this unit standard.