

<b>Title</b>	<b>Test aircraft radome transmissivity on a test rig</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	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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<b>Classification</b>	Aeronautical Engineering > Avionic Radio Repair
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<b>Available grade</b>	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.

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### 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.

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<b>Planned review date</b>	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	23 November 2017	31 December 2022
Review	2	23 July 2020	N/A
Rollover and Revision	3	27 June 2024	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0028
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

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**Comments on this unit standard**

Please contact Ringa Hora Services Workforce Development Council [qualifications@ringahora.nz](mailto:qualifications@ringahora.nz) if you wish to suggest changes to the content of this unit standard.