

Title	Demonstrate knowledge and use of flight radiotelephony for aircraft operations		
Level	3	Credits	3

Purpose	People credited with this unit standard are, for aircraft operations, able to describe basic radio wave propagation; and demonstrate knowledge of radio equipment and its use.
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Classification	Aviation > Aircraft Operation
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Available grade	Achieved
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Guidance Information

- 1 This unit standard is aligned with the relevant parts of the prescribed syllabi of the Civil Aviation Authority of New Zealand (CAA) for pilot licence. Credit will be awarded on meeting the requirements of the CAA approved assessment or examination.
- 2 Private aircraft operations are those which are not performed for hire or reward.
- 3 Definitions, abbreviations, and acronyms used in this unit standard are to be found in:
 - a *Civil Aviation Rules Part 1* on the CAA website at <https://www.caa.govt.nz>, and
 - b *Aeronautical Information Publication (AIP)* published by Aeronautical Information Management (AIM), PO Box 294, Wellington 6140 or on the AIM website at <http://www.aip.net.nz>.
- 4 Evidence presented for assessment against this unit standard must be in accordance with industry texts and standards.
- 5 All references to the CAA refer specifically to the Civil Aviation Authority of New Zealand.
- 6 Industry standards and recommended practices are those set in place by the CAA.
- 7 Industry texts may include but are not limited to – aircraft flight manuals, CAA Rules, CAA Advisory Circulars, NZCAA Flight Test Standard Guides, operator exposition.
- 8 For the purpose of this unit standard, *knowledge* refers to the knowledge, understanding, and application of the subject matter.
- 9 Industry requirements are that the candidate must meet the eligibility requirements of the Civil Aviation Act 1990 and the Civil Aviation Rule Part 61 for a pilot licence.

Outcomes and performance criteria

Outcome 1

Describe basic radio wave propagation.

Performance criteria

1.1 Basic radio wave propagation is described.

Range includes but is not limited to – high frequency (HF), very high frequency (VHF), range, surface interference, clarity of reception.

Outcome 2

Demonstrate knowledge of radio equipment and its use.

Performance criteria

2.1 Transceivers, and their purpose and operation are described.

2.2 SSR transponders, and their use and purpose are described.

2.3 Emergency Locator Transmitter (ELT, also known as ELBA, ELB), and its associated principles and uses are described.

2.4 Practices and rules in transmitting and receiving spoken messages are demonstrated.

2.5 Phraseology and procedures in standard radiotelephony are demonstrated.

2.6 Distress and emergency communications are described.

2.7 Aircraft communications equipment failure procedures are described.

2.8 ATS communications equipment failure procedures are described.

Planned review date	31 December 2028
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	26 March 2007	31 December 2018
Review	2	20 October 2016	31 December 2027
Review	3	28 September 2023	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 Ringa Hora Services Workforce Development Council
qualifications@ringahora.nz if you wish to suggest changes to the content of this unit
standard.