

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 demonstrate knowledge of: basic radio wave propagation; and radio equipment and its use.
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Classification	Aviation > Aircraft Operation
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Available grade	Achieved
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Entry information	
Recommended skills and knowledge	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.

Explanatory notes

- 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 All references to the CAA refer specifically to the Civil Aviation Authority of New Zealand.
- 5 Industry standards and recommended practices are those set in place by the CAA.
- 6 Industry texts may include but are not limited to – aircraft flight manuals, CAA Rules, CAA Advisory Circulars, NZCAA Flight Test Standard Guides, operator exposition.
- 7 For the purpose of this unit standard, *knowledge* refers to the knowledge, understanding, and application of the subject matter.

Outcomes and evidence requirements

Outcome 1

Demonstrate knowledge of basic radio wave propagation.

Evidence requirements

1.1 Basic radio wave propagation is described in accordance with industry texts and standards.

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.

Evidence requirements

2.1 Transceivers, and their purpose and operation are described in accordance with industry texts and standards.

2.2 SSR transponders, and their use and purpose are described in accordance with industry texts and standards.

2.3 Emergency Locator Transmitter (ELT, also known as ELBA, ELB), and its associated principles and uses are described in accordance with industry texts and standards.

2.4 Practices and rules in transmitting and receiving spoken messages are demonstrated in accordance with industry texts and standards.

2.5 Phraseology and procedures in standard radiotelephony are demonstrated in accordance with industry texts and standards.

2.6 Distress and emergency communications are described in accordance with industry texts and standards.

2.7 Aircraft communications equipment failure procedures are described in accordance with industry texts and standards.

2.8 ATS communications equipment failure procedures are described in accordance with industry texts and standards.

Planned review date	31 December 2021
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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	N/A

Consent and Moderation Requirements (CMR) reference	0169
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMR). The CMR also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

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.