

Title	Demonstrate competence for GNSS flight under instrument flight rules (IFR)		
Level	5	Credits	5

Purpose	People credited with this unit standard are, for an instrument rating, able to: demonstrate knowledge of GNSS; carry out GPS procedures by sole reference to instruments in flight; demonstrate specific knowledge of the GPS unit in use; and demonstrate knowledge of the privileges, procedures, and limitations with respect to the use of GNSS under IFR.
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Classification	Aviation > Aircraft Operation
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Available grade	Achieved
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Entry information	
Critical health and safety prerequisites	Industry requirements are that the candidate must meet the eligibility requirements of the Civil Aviation Act 1990 and the Civil Aviation Rules Part 61 for an instrument rating.

Explanatory notes

- 1 The flight covered by this unit standard must be demonstrated in accordance with the Civil Aviation Rules Part 61 and 91, and other relevant rules, published by the Civil Aviation Authority of New Zealand (CAA), PO Box 3555, Wellington 6140, and their subsequent amendments.
- 2 This unit standard is aligned with the relevant parts of the prescribed syllabi of the CAA for an instrument rating. Credit will be awarded on meeting the requirements of the CAA-approved assessment or examination.
- 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, CAA Flight Test Standards Guides, operator exposition.
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Outcomes and evidence requirements

Outcome 1

Demonstrate knowledge of GNSS.

Evidence requirements

- 1.1 General knowledge of GNSS is demonstrated in accordance with industry texts and standards.

Outcome 2

Carry out GPS procedures by sole reference to instruments in flight.

Evidence requirements

- 2.1 Departure procedure and/or intercept are demonstrated and a promulgated IFR track is maintained in accordance with industry texts and standards.
- 2.2 GPS holding procedure is demonstrated in accordance with industry texts and standards.
- 2.3 Joining procedure on a GPS arc is demonstrated in accordance with industry texts and standards.
- 2.4 GPS approach procedure is demonstrated in accordance with industry texts and standards.
- 2.5 GPS missed-approach procedure is demonstrated in accordance with industry texts and standards.

Outcome 3

Demonstrate specific knowledge of the GPS unit in use.

Evidence requirements

- 3.1 Specific knowledge of the GPS unit in use is demonstrated in accordance with industry texts and standards.

Outcome 4

Demonstrate knowledge of the privileges, procedures, and limitations with respect to the use of GNSS under IFR.

Evidence requirements

4.1 Knowledge of privileges and procedures is demonstrated with respect to the use of GNSS under IFR in accordance with CAA Rules and Advisory Circulars.

Range includes but is not limited to – logbook signoff.

4.2 Knowledge of limitations is demonstrated with respect to the use of GNSS in accordance with CAA Rules and Advisory Circulars.

Replacement information	This unit standard replaced unit standard 16325.
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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	18 June 2010	31 December 2018
Revision	2	9 December 2010	31 December 2018
Review	3	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.