

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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Guidance Information

- 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.
- 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.
- Definitions, abbreviations, and acronyms used in this unit standard are to be found in:
 - Civil Aviation Rules Part 1* on the CAA website at <https://www.caa.govt.nz>, and
 - 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>.
- All references to the CAA refer specifically to the Civil Aviation Authority of New Zealand.
- Industry standards and recommended practices are those set in place by the CAA.
- Industry texts may include but are not limited to – aircraft flight manuals, CAA Rules, CAA Advisory Circulars, CAA Flight Test Standards Guides, operator exposition.
- 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.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of GNSS.

Performance criteria

- 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.

Performance criteria

- 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.

Performance criteria

- 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.

Performance criteria

- 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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This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

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	31 December 2027
Review	4	28 September 2023	31 December 2027

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>.