



# Australian Government

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## Civil Aviation Safety Authority

Instrument number CASA EX13/23

I, ADRIAN PAUL SLOOTJES, Branch Manager, Air Navigation, Airspace & Aerodromes, National Operations & Standards Division, a delegate of CASA, make this instrument under regulations 11.160, 11.205 and 173.375 of the *Civil Aviation Safety Regulations 1998*.

### [Signed A. Slootjes]

Adrian Slootjes

Branch Manager, Air Navigation, Airspace & Aerodromes  
National Operations & Standards Division

28 February 2023

## CASA EX13/23 — Applicable Instrument Flight Procedure Design Standards (GE Digital International) Instrument 2023

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### 1 Name

This instrument is *CASA EX13/23 — Applicable Instrument Flight Procedure Design Standards (GE Digital International) Instrument 2023*.

### 2 Repeal of CASA EX158/21

Instrument *CASA EX158/21 — Applicable Instrument Flight Procedure Design Standards (GE Digital) Instrument 2021* is repealed.

### 3 Definitions

*Note* In this instrument, certain terms and expressions have the same meaning as they have in the *Civil Aviation Act 1988* and the regulations. These include ***terminal instrument flight procedure***.

In this instrument:

***chief designer*** includes a person appointed by GE Digital International and approved by CASA to act as the chief designer for GE Digital International.

***design work***, in relation to a TIFP, has the meaning given by regulation 173.010 of CASR.

***GE Digital International*** means GE Digital International LLC, ARN 782924, of 19015 North Creek Parkway, Bothell, WA, 98011, United States of America.

***GE Digital International design criteria*** means the design criteria mentioned in:

- (a) the document titled *GE Digital International, LLC Design Criteria Manual, Volume A4A, Issue 6 Revision 0*, as existing at the time this instrument commences; and

- (b) the document titled *GE Digital International, LLC DCM Regulatory Supplement – CASA, Volume A4B.02, Issue 8 Revision 0*, containing the Multi-variant Design Specification, as existing at the time this instrument commences.

***GE Digital International design criteria TIFP*** means an RNP AR TIFP designed by GE Digital International in accordance with the GE Digital International design criteria.

***ICAO Doc 9905*** means the ICAO Doc. 9905 *Required Navigation Performance Authorization Required (RNP AR) Procedure Design Manual*, as in force from time to time.

*Note* The definition of ***other AIS applicable ICAO documents*** in Part 1 of the CASR Dictionary defines several ICAO documents (including *ICAO Doc 9905*) as approved and published by decision of the Council of the International Civil Aviation Organization, as in force from time to time.

***ICAO Doc. 8168 (PANS-OPS)*** has the meaning given by regulation 173.010 of CASR.

*Note* Regulation 173.010 of CASR defines ***ICAO Doc. 8168 (PANS-OPS)*** as Doc.8168-OPS/611 Volume II (Procedures for Air Navigation Services – Construction of Visual and Instrument Flight Procedures) approved and published by decision of the Council of the International Civil Aviation Organisation, as in force from time to time.

***Manual of Standards*** has the meaning given by regulation 173.010 of CASR.

*Note* Regulation 173.010 of CASR defines ***Manual of Standards*** as the document called ‘*Manual of Standards (MOS) Part 173 – Standards Applicable to the Provision of Instrument Flight Procedure Design*’, published by CASA, as in force from time to time.

***RNP AR*** means a Required Navigation Performance Authorization Required Approach (***RNP AR APCH***) mentioned in the Manual of Standards.

***TIFP*** means a terminal instrument flight procedure for a location in Australia.

#### **4 Exemption — RNP AR TIFP designed to ICAO standards**

- (1) In relation to design work on an RNP AR TIFP conducted by GE Digital International in accordance with ICAO Doc. 8168 (PANS-OPS) and ICAO Doc 9905, GE Digital International is exempt from compliance with the following provisions of CASR:
- (a) paragraph 173.125(b) — to the extent that the paragraph requires GE Digital International to ensure that a qualified designer meets the requirement mentioned in paragraph 3.1.3.1(a) of the Manual of Standards;
  - (b) subregulation 173.165(2) — to the extent that the subregulation requires GE Digital International to comply with paragraph 3.1.2.1(c) of the Manual of Standards in relation to the appointment of the chief designer.

*Note* Subsection 3.1.3.1 of the Manual of Standards sets out the minimum standard for the qualifications and experience of a qualified designer including, in paragraph (a), satisfactory completion of an approved PANS-OPS procedures design course. Subsection 3.1.2.1 of the Manual of Standards sets out the minimum standard for the qualifications and experience of a chief designer including, in paragraph (c), satisfactory completion of an advanced course in PANS-OPS procedure design.

- (2) The exemption is subject to the conditions in section 6.

#### **5 Exemption — GE Digital International design criteria TIFP**

- (1) In relation to design work on a GE Digital International design criteria TIFP, GE Digital International is exempt from compliance with a provision of CASR

mentioned in column 1 of the Table in Schedule 1 to the extent mentioned for the provision in column 2 of the Table.

- (2) The exemption is subject to the conditions in sections 6 and 7.

## **6 General conditions**

- (1) GE Digital International must comply with any written instructions given by CASA for the purpose of ensuring that GE Digital International complies with the requirements of this instrument.
- (2) GE Digital International must clearly mark each RNP AR TIFP with the words “FOR CASA-APPROVED OPERATORS ONLY”.

## **7 Conditions — GE Digital International design criteria TIFP**

- (1) GE Digital International must give written notice to CASA at least 14 days before making an amendment to a document referred to in paragraph (a) or (b) of the definition of *GE Digital International design criteria*, unless the amendments are only of an editorial or clerical nature and do not affect technical or procedural matters.

*Note* Under Australian law, this instrument cannot apply the requirements of the GE Digital International design criteria as amended from time to time. This instrument applies the requirements of the versions of the GE Digital International design criteria documents mentioned in the definitions section. Any amendment that changes the substance of those requirements will require a reissue of this instrument before the changes can be relied upon under the exemption.

- (2) GE Digital International must provide the document titled *GE Digital International, LLC Operational Guidance for GE Digital RNP AR Procedures*, Volume C3B, Issue 2 Revision 0 to all operators licensed by GE Digital International to fly a GE Digital International design criteria TIFP designed by GE Digital International in reliance on the exemption in section 5.
- (3) GE Digital International must ensure that the reference materials, documents and records maintained for regulations 173.150 and 173.155 of CASR include:
  - (a) the GE Digital International design criteria; and
  - (b) any other material specified in writing by CASA to be maintained.
- (4) GE Digital International must not transfer its responsibility for maintaining a GE Digital International design criteria TIFP unless CASA has approved the transfer in writing.

## **8 Direction — operations manual**

For subregulation 173.375(1) of CASR, CASA directs GE Digital International to ensure that its operations manual includes:

- (a) copies of each of the following:
  - (i) this instrument;
  - (ii) any directions given by CASA to GE Digital International in relation to its design work;
  - (iii) the GE Digital International design criteria; and
- (b) a description of the processes and documents used to present to staff the relevant standards, rules, procedures and drafting conventions contained in:
  - (i) the GE Digital International design criteria; and

- (ii) the provisions of the Manual of Standards that apply to GE Digital International in relation to its design work.

## 9 Repeal of this instrument

This instrument is repealed at the end of 30 November 2024.

### Schedule 1 RNP AR GE Digital International criteria

Item	Provision (Column 1)	Extent (Column 2)
1	Regulation 173.050	All.
2	Subregulation 173.075(1)	The requirements in paragraph 2.1.1.1(m) of the Manual of Standards.
3	Regulation 173.085	The requirements in the following provisions of the Manual of Standards: (a) Chapter 1; (b) Chapter 8, excluding paragraphs 8.1.1.3, 8.1.1.4, 8.1.1.5, 8.1.1.6 and 8.1.5.
4	Subregulation 173.090(2)	The qualifications for a <i>qualified designer</i> mentioned in the definition of that term in subparagraph 173.090(4)(b)(i).
5	Subparagraph 173.125(b)(ii)	The requirement for training in accordance with the Manual of Standards does not cover training in accordance with the following provisions of the Manual of Standards: (a) paragraph 3.1.2.1(c); (b) paragraph 3.1.2.2(b); (c) paragraph 3.1.3.1(a).
6	Subregulations 173.150(1) and 173.155(1)	The requirement to keep the documents specified in paragraph 4.1.1.1 of the Manual of Standards.
7	Subregulation 173.165(2)	The requirements in paragraph 3.1.2.1(c) and 3.1.2.2(b) of the Manual of Standards.