

**AIP SUPPLEMENT
(SUP)****H36/26****Effective: 202603311600 UTC**AERONAUTICAL INFORMATION SERVICE,
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Email: aim_editorial@airservicesaustralia.comFor **CONTENT** queries regarding this SUP, contact:Email: casa.rfc@casa.gov.au**NEW AIRCRAFT RADIO ALTIMETER
REQUIREMENTS****1. INTRODUCTION**

- 1.1 This AIP SUP introduces amended AIP Book content relating to new aircraft radio altimeter requirements during the conduct of low visibility instrument approach procedures (low visibility approaches). These requirements are effective from 01 April 2026 and are being promulgated in response to the potential for interference from 5G Wireless BroadBand (WBB).
- 1.2 Measures imposed by the Australian Communications and Media Authority (ACMA) to mitigate the effects of 5G WBB transmissions on aircraft radio altimeters end on 31 March 2026. In response to this, the Civil Aviation Safety Authority (CASA) is amending the radio altimeter requirements for aircraft conducting low-visibility approaches.

2. CONTENT

- 2.1 Radio altimeters are the only instrument on board an aircraft which accurately measures aircraft height above underlying terrain and obstacles. This information is presented to flight crew and used by other aircraft systems. Aircraft radio altimeters perform a critical function and need to operate reliably.
- 2.2 Studies have shown that transmissions from 5G WBB systems operating in the 3.7 – 4.0 GHz radio frequency band can interfere with aircraft radio altimeters (which operate in the 4.2 – 4.4 GHz band). The interference can result in intermittent operation, false data and indications, or system failure.

- 2.3 New radio altimeter requirements for aircraft conducting low-visibility approaches will be set out in relevant Manuals of Standards. For foreign air transport air operator's certificate (AOC) holders and New Zealand AOC holders with Australia New Zealand Aviation (ANZA) privileges, the requirements are set out in a separate Direction under Part 11 of CASR. These new requirements are effective from 01 April 2026.
- 2.4 Interim relief via an exemption commences on 01 April 2026 for named specific aerodromes until the earlier of 31 March 2027 or when a 5G WBB base station is installed in the relevant geographic area in the vicinity of the aerodrome.
- 2.5 Operators are advised to carefully review and consider the information available on CASA's website at <https://www.casa.gov.au/operations-safety-and-travel/safety-advice/5g-and-aviation-safety>. This webpage will be regularly updated as the interim relief is ceased for specific aerodromes at different dates within the maximum 12-month period of this exemption.

3. REFERENCE

- 3.1 Insert new text in the AIP GEN 1.5 as follows:

GEN 1.5 AIRCRAFT INSTRUMENTS, EQUIPMENT AND FLIGHT DOCUMENTS

...

6 RADIO ALTIMETERS

6.1 Radio altimeters fitted to aircraft used for the conduct of low-visibility approaches need to comply with relevant FAA airworthiness directives unless an exemption applies. This ensures the radio altimeters are better able to withstand wireless broadband transmissions in nearby frequency bands during a critical phase of flight.

6.2 These requirements apply to both Australian and foreign-registered aircraft when operating within Australian territory.

6.3 A low visibility approach is an instrument approach procedure with a minima below category I precision approach minima.

6.4 The requirements are specified in the CASR manuals of standards as follows:

- a) Part 91 MOS – Section 26.26A
- b) Part 121 MOS – Section 11.20A
- c) Part 133 MOS – Section 11.17A
- d) Part 135 MOS – Section 11.21A.

6.5 A Direction under Part 11 of CASR is in force for foreign air transport air operator's certificate (AOC) holders and New Zealand AOC holders with Australia New Zealand Aviation (ANZA) privileges.

6.6 Temporary interim relief from these requirements may apply at certain specific aerodromes. Further details may be found on the CASA website:

www.casa.gov.au/operations-safety-and-travel/safety-advice/5g-and-aviation-safety

[renumber subsequent paragraphs]

3.2 Insert new text in the AIP AD 1.1 as follows:

AD 1.1 Section 3 LOW VISIBILITY OPERATIONS

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3.4 RADIO ALTIMETER REQUIREMENTS

3.4.1 Radio altimeters fitted to aircraft used for the conduct of low-visibility approaches need to comply with relevant FAA airworthiness directives unless an exemption applies. The relevant aircraft equipment requirements are found in *AIP GEN 1.5 Section 6*.

4. CANCELLATION

4.1 This AIP SUP cancels when incorporated in the AIP Book.

5. DISTRIBUTION

5.1 Airservices Australia website only.