



# Airworthiness Bulletin

## AWB 34-021 Issue 1 - 13 February 2025

### Universal Avionics GPS Week Rollover – May 2025

An Airworthiness Bulletin is an advisory document that alerts, educates and makes recommendations about airworthiness matters. Recommendations in this bulletin are not mandatory.

#### 1. Effectivity

Universal Avionics SBAS flight management systems (FMS) potentially affected by a software system rollover in May 2025.

#### 2. Purpose

Ensure that operators using affected Universal Avionics SBAS FMS units are aware of the upcoming software rollover, scheduled for 31 May 2025. The systems identified by Universal Avionics include:

UNS-1Fw

UNS-1Lw

UNS-1Ew

UNS-1Espw

#### 3. Background

Certain Universal Avionics SBAS FMS GPS software relies on a 10-bit week counter that resets every 1,024 weeks (roughly 19.6 years). When the software counter "rolls over" to zero, it may cause the system to misinterpret the date, potentially resulting in malfunctions.

#### 4. Recommendations

To prevent the software rollover from impacting SBAS FMS GPS operations, verify that the correct software is installed. Universal Avionics has provided the modification status below, confirming that the latest FC06 software has been loaded.

UNS-1Fw - Mod 9

UNS-1Lw - Mod 9

UNS-1Ew - Mod 17

UNS-1Espw - Mod 19

If in doubt, contact Universal Avionics.



## 5. Reporting

Any GPS anomalies detected before, during, or after the implementation of FC06, or following May 31, 2025, should be reported to CASA via the DRS system.

## 6. Enquiries

Enquiries with regard to the content of this Airworthiness Bulletin should be made via the direct link email address:

[AirworthinessBulletin@casa.gov.au](mailto:AirworthinessBulletin@casa.gov.au)

or in writing, to:

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