



Australian Government
Geoscience Australia



SOUTHPAN SERVICE NOTICE

Number: SBAS-SVN-0001

Revision 02

To: SouthPAN DFMC and PVS Open Service Users
Date: 13 August 2026
Subject: SouthPAN DFMC and PVS Update to Minimum Operational Performance Standard (MOPS) ED-259A in January 2027

This Service Notice informs end-users that in January 2027 the SouthPAN Dual-Frequency Multi-Constellation (DFMC) Satellite-Based Augmentation System (SBAS) and PPP via SouthPAN (PVS) Open Services will be updated to conform with the SBAS navigation message format defined in EUROCAE ED-259A Minimum Operational Performance Standard (MOPS).

End-user equipment currently using the SouthPAN DFMC SBAS or PVS Open Services will require a software update or re-configuration to continue using these services. End-users are advised to contact the manufacturer of their DFMC and PVS-capable GNSS equipment regarding their options to update.

The navigation message format in ED-259A is not backwards compatible with the ED-259 format implemented by SouthPAN. This is due to the length of "Satellite slot number" in Message Type 32 (MT32) changing from 8 bits to 9 bits. SouthPAN DFMC SBAS and PVS Open services are delivered using MT32, and will be impacted by the planned update to the new message format.

The SouthPAN DFMC SBAS and PVS open services will be transitioned in January 2027. This will result in outages of the service of up to an hour, after which the message format will comply with the message format in ED-259A. The planned outages will affect both Signal-in-Space (OS-DFMC-SIS/OS-PVS-SIS) and internet delivered (OS-DFMC-DAS/OS-PVS-DAS) services.

No service changes will occur prior to January 2027.

Further information, including a detailed outage schedule will be published in Q4 2026. The SouthPAN Service Definition Documents will be updated to reflect the format change and will be published ahead of the transition.

Please check the GA website (www.ga.gov.au/southpan) and LINZ website (www.linz.govt.nz/southpan) for additional information.

Contact Us

Should you have any questions regarding this service notice or any other SouthPAN related questions please contact the following:

Australia: clientservices@ga.gov.au New Zealand: southpan@linz.govt.nz

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