

FUGRO NETHERLANDS MARINE BV
SATELLITE POSITIONING

Fugro AORE Service End of Life Notice

Technical Bulletin

No Protective Marking

RELEASED

Issue A1

Affected product lines:
Marinestar

Affected date range:
23 October 2018 – 18 December 2018

Related dependencies.
None

Contact:
marinestar@fugro.com

A1	Released	RB	GS	RB	25 October 2018
Issue	Status	Prepared	Checked	Approved	Date

1. INTRODUCTION

Fugro has been informed by satellite service provider Inmarsat that the Inmarsat i3 satellite hosting Fugro's AORE service will reach end of life during Q4 2018. Consequently, Fugro's AORE service will cease broadcasting on 18 December 2018.

There is currently no alternative satellite L-band capacity available in AORE location, and Fugro will as an interim alternative, provide the content known as AORE on the satellite that hosts the ESAT service (Alphasat (25°E)). The interim alternative is named AORET.

The AORET broadcast has exactly the same data content as the AORE broadcast.

AORET frequency is 1545.52 MHz, Link ID = 8, Baud Rate = 600 and Symbol rate = 1219.



AORET – Alphasat (25°E)

ESAT – Alphasat (25°E)

2. ACTIONS REQUIRED

Be aware that any Fugro demodulator or receiver as receipt of the Fugro AORE DGNSS augmentation service will be affected.

Well ahead of the End-Of-Life of the AORE service, do change the demodulator or receiver to alternative Fugro service AORET, ESAT, IOR or AORW

The Fugro Service can be selected on the demodulator either by service name or by manually entering the frequency and symbol rate.

For more information, visit fsp.support/marinestar – Operator manuals for most demodulators can be found under the 'products' tab and signal frequencies for manual setting under the 'quick links' section. Phone and email contacts are listed in case you have any questions.

3. **ADDITIONAL COMMENTS**

Please be aware that co-hosting of two services on the same satellite affects redundancy through use of the same physical satellite, elevation and azimuth for both services.

However, to uplink corrections via ESAT and AORET, it is still the case that:

- Different Network Control Centres (NCCs) are used for ESAT and AORET broadcasts
- Different software at the NCCs is used for ESAT and AORET broadcasts
- Different Uplink sites are used for ESAT and AORET broadcasts

If required, customers can contact marinestar@fugro.com to look at alternatives for Fugro service for their operational area. As an example, AORW or IOR can be an alternative in many areas. For customers that rely on ESAT and AORET content and independent services, increased awareness is required. This needs to be taken into account in the operational procedures onboard.

Contact Your Fugro office to explore if corrections received using N-trip can be a feasible backup solution.

4. **RECOMMENDED ONWARD DISTRIBUTION**

As required according to security marking.