

Type Approval Certificate



This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. 37 690 - 12 HH

Company Pole Star Space Applications Ltd.
Compass House
4th Floor 22 Redan Place
London W2 4SA, UNITED KINGDOM

Product Description Pole Star Ship Security Alert System (SSAS)

Type DSAS Mk2

Environmental Category C; F (transceiver); EMC1

Technical Data /
Range of Application Ship Security Alert System based on Inmarsat IsatData Pro
Equipment with an integral GPS transceiver consisting of:

- SkyWave Inmarsat IsatData Pro transceiver (IDP-690)
- Pole Star DSAS Mk2 PCB E184
- Sealed Lead Acid battery pack (01-DSASBATT)
- Stainless steel casing (009-DSASCASE/MK2)
- Alert activation points (017-SW9012A)

Power Supply: 9V DC to 32V DC

Software:
Firmware version V1.1.3 MES SW Version IDPDefault V1.2 SW Version V184A9

Test Standard Guidelines for the Performance of Type Approvals VI-7-2 Edition 2003
IMO Res. MSC.147(77), A.694(17); IMO MSC/Circ. 1072; IEC 60942 (2002)

Documents Test report: Mariner Systems TL1587 dated 27-01-2012; TL1587-ENV dated 27-01-2012; DSASMK2MSDS Issue DS 21 dated 05-04-2012
Drawing PCB-E184 dated 31-01-2012; Firmware Release Note V01 dated 03-2012;
Inmarsat Cert IDP/SW/004 dated 24-02-2012

Remarks None

Valid until 2017-05-07

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File No. I.E.03

Hamburg, 2012-05-08

Type Approval Symbol



Germanischer Lloyd

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This certificate is issued on the basis of "Guidelines for the Performance of Type Approvals Part 1, Procedure".