DNV·GL

Certificate No:
TAA000028A

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Ship Security Alert System (SSAS)

with type designation(s)
BlueTraker SSAS, BlueTraker SSAS Arctic

Issued to
EMA d.o.o.
Celje, Slovenia

is found to comply with
Det Norske Veritas' Rules for Classification of Ships, High Speed & Light Craft and Det Norske Veritas' Offshore Standards
ISPS Code - SOLAS Chapter XI-2 Regulation 6 Ship Security Alert System
IMO Resolution MSC.147(77) Revised Performance Standards for a Ship Security Alert System
IMO Res. A.694(17) General requirements for shipborne radio equipment forming part of the global maritime distress and safety system (GMDSS) and for electronic navigational aids

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

Temperature	**D**
Humidity	**B**
Vibration	**A**
EMC	**B**
Enclosure	**C**

Issued at **Hamburg** on **2019-03-04**
This Certificate is valid until **2024-03-03**.
DNV GL local station: **Rijeka**

Approval Engineer: **Uwe Supke**

for **DNV GL**

Arne Schaarmann
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

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Product description

Ship Security Alert System (SSAS) based on Iridium satellite network transceiver with integrated GPS/GLONASS receiver consisting of:
- BlueTraker SSAS (Arctic) terminal
- ConBox SSAS wiring cabinet
- Main Cable Set
- UniMount / RailMount bracketry kit
- Alert buttons

Power supply:
BlueTraker SSAS Arctic: 24 VDC nominal (21 VDC to 36 VDC range)
BlueTraker SSAS: 12/24 VDC nominal (8 VDC to 36 VDC range)
Degree of protection: IP68 (depth 6 m)/ IP69K
Temp.range for Arctic : -50°C to 55°C
Temp.range: -25°C to 55°C
Maximum cabling ranges:
- Main Cable Set: max 100m; each Alert button Cable set: max 500m
- Sum of all cable lengths: max 600m

Software Version:
- Firmware 3.7.xxx

Application/Limitation

The BlueTraker SSAS (Arctic) is to be used according to the manufacturer's guidelines and is not to be used in areas requiring intrinsically safe equipment.

Type Approval documentation

Tests carried out

- Environmental testing: IEC 60945 (2002) incl. Corr.1 (2008)
- Performance testing: DNV GL Type Approval Programme No 849.01 for SSAS

Marking of product

The Manufacturer and Type Designation to be applied to the equipment in a clearly visible location. In addition the equipment shall be marked with serial number, safe distance to magnetic compass, power consumption and/or supply voltage.

Periodical assessment

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.
The scope of the periodical/renewal assessment is to verify that the production quality conditions stipulated for the type approval are complied with and that no alterations are made to the product design or its components and/or materials without appraisal by the Society.