DNV

TYPE APPROVAL CERTIFICATE

Certificate No:
TAA000028A
Revision No:
1

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
   DNV rules for classification – Ships, offshore units, and high speed and light craft
   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.

Type	Temperature	Humidity	Vibration	EMC	Enclosure
BlueTraker SSAS	**D**	**B**	**A**	**B**	**C**
BlueTraker SSAS Arctic	**D**	**B**	**A**	**B**	**C**

Issued at **Høvik** on **2023-05-30**

for **DNV**

This Certificate is valid until **2024-03-03**.
DNV local unit: **Rijeka**

Approval Engineer: **Uwe Supke**

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Frederik Tore Elter
Head of Section

Product description

Ship Security Alert System (SSAS) based on Iridium satellite network transceiver with integrated GNSS receiver.
BlueTraker SSAS consists of the following parts:
- BlueTraker SSAS (Arctic) Terminal
- UniMount / RailMount Bracketry Kit
- BlueTraker SSAS Main Cable Set
- SSAS Power SplitterBox
- ConBox SSAS Main Cable Set
- ConBox SSAS Wiring Cabinet
- Alert Buttons

Power supply:
- BlueTraker SSAS: 12/24 VDC nominal (8 VDC to 36 VDC range)
- BlueTraker SSAS Arctic: 24 VDC nominal (21 VDC to 36 VDC range)
Degree of protection: IP68 (depth 6 m, duration 0,5 h)
Temperature range: -25 °C to +55 °C
Temperature range (Arctic): -50 °C to +55 °C
Software Version:
- Firmware 160.0.xxx, 136.0.xxx (xxx denotes build number)

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

Test reports:
SIQ T223-0682/16 A1, dated 2017-05-17
BSH Certificate No. 1115, dated 2022-04-29
Koncar 21583ALL23001, dated 2023-04-05
Manuals:
Installation Manual (19801) V2.0.5, May 2023
User Manual (12395) V1.5.6, January 2023

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

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.

The main elements of the assessment are:
- Ensure that type approved documentation is available
- Inspection of factory samples, selected at random from the production line (where practicable)
- Review of production and inspection routines, including test records from product sample tests and control routines
- Ensuring that systems, software versions, components and/or materials used comply with type approved documents and/or referenced system, software, component and material specifications
- Review of possible changes in design of systems, software versions, components, materials and/or performance, and make sure that such changes do not affect the type approval given
- Ensuring traceability between manufacturer's product type marking and the type approval certificate

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.

END OF CERTIFICATE