



Lloyd's
Register

Lloyd's Register EMEA (London Office)

Marine Technology & Engineering Services
71 Fenchurch Street, London, EC3M 4BS
Telephone 020 7709 9166 Fax 020 7488 4796
Email tad@lr.org

| |
|---------------------------------|
| Page 1 of 1 |
| Document number 11/70010(E1) |
| Issue number 1 |

DESIGN APPRAISAL DOCUMENT

| | |
|----------------------|--|
| Date 30 June 2017 | Quote this reference on all future communications SOUTSO/ETS/TA/PAHH/MJH/WP29559769 |
|----------------------|--|

LLOYD'S REGISTER TYPE APPROVAL SYSTEM, 2002.

**Issued to: THRANE & THRANE A/S TRADING AS COBHAM SATCOM
for: add-on to mini-C GMDSS Ship Security Alert System**

Type: TT-6110A

TYPE APPROVAL CERTIFICATE No.11/70010(E1)

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register Type Approval System, 2002 and this Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

| | |
|---|---------------|
| Production Quality Assessment Form. Control No CPN1720366 | 8 May 2017 |
| ISO 9001:2008 Certificate No 16342-2005-AQ-DEN-DANAK | 14 Jul 2016 |
| ISO14001:2004 Certificate No 135311-2013-AE-DEN-DANAK | 14 Jul 2016 |
| TT Doc "Sailor 6110 Mini C GMDSS" (Parts List) | 06.April 2011 |

TEST REPORTS

| | |
|--|-------------|
| NEMKO Test Report no E11125.02 | 17.Oct.2011 |
| Test Report No TT99-134015A "TT-6110A & TT6120A System 6000 SSA Conformance Testing" | 30.06.2011 |

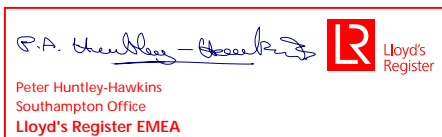
Supplementary Type Approval Terms and Conditions

Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.

Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.

Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.

Lloyd's Register EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the Lloyd's Register Type Approval System Procedure.



Peter Huntley-Hawkins
Principal Specialist
Marine Technology & Engineering Services, Southampton
Lloyd's Register EMEA