



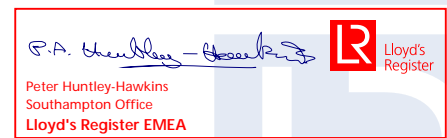
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## Type Approval Certificate Extension

This is to certify that Certificate No. 11/ 70011 for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

<b>PRODUCER</b>	Thrane & Thrane A/ S Trading as Cobham Satcom Lundtoftegaardsvej 93D 2800 Kongens Lyngby Denmark
<b>PLACE OF PRODUCTION</b>	Thrane & Thrane A/ S Trading as Cobham Satcom Lundtoftegaardsvej 93D 2800 Kongens Lyngby Denmark
<b>DESCRIPTION</b>	Ship Security Alert system based on Inmarsat mini-C services with Thrane & Thrane SAILOR Ship Alert Messages routed through message protocol allowing up to three destinations to be addressed. Additional to any GMDSS system Option 913: for latched push buttons (International version) Option 916: for instant activation push buttons and yellow coloured test pushbutton (US version)
<b>TYPE</b>	TT-6120A SSA stand-alone system Consisting of the main components, SAILOR 3027 SSA Terminal, Thrane 6194 Terminal Control Unit, SSA Alarm. SSA Alarm and Test push buttons; options 913 for international 916 for US. Tee connection and cables with connectors. External power supply is required
<b>Certificate No.</b>	11/ 70011(E1)
<b>Issue Date</b>	12 June 2017
<b>Expiry Date</b>	11 June 2022
<b>Sheet</b>	1 of 2 Marine Technology & Engineering Services, London or Southampton Lloyd's Register EMEA



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**APPLICATION**

Marine and Offshore applications for use in environmental categories ENV2; ENV5\*) in "Bridge and Deck Zone" as defined in LR Specification No.1 2002 where the specification is satisfactory for the intended operation.  
ENV5\*: Sailor 3027 SSA terminal only  
Software version 1.07 or Later

**ADDITIONAL TESTS**

Extreme Power Supply  
Compass Safe Distance  
Acoustic Noise and Signals  
Ingress Protection  
Salt Mist/ Corrosion

**STANDARD**

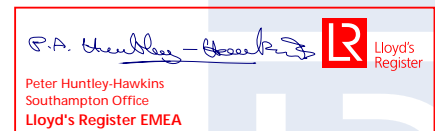
**RES MSC:136(76)** Recommendation on Performance Standard for a Ship Security Alert System  
**Res MSC:147(77)** Revised Recommendation on Performance Standard for a Ship Security Alert System  
**IEC60945**

*"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."*

*The attached Design Appraisal Document No.11/70011(E1) and its supplementary Type Approval Terms and Conditions form part of this Certificate*

All other details remain as the previous Certificate No.11/ 70011 to which this extension should be attached.

**Certificate No.** 11/ 70011(E1)  
**Issue Date** 12 June 2017  
**Expiry Date** 11 June 2022  
**Sheet** 2 of 2



P.A. Huntley-Hawkins  
Marine Technology & Engineering Services, London or Southampton  
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