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Certificate No: LR2209569TA Issue Date: 15/07/2022 Expiry Date: 14/07/2027

## **Type Approval Certificate**

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

Manufacturer Thrane & Thrane A/S Trading as Cobham SATCOM

**Address** Lundtoftegaardsvej 93D, Kongens Lyngby, 2800, Denmark

Place of Production SVI Thailand

141-142 Moo 5, Tiwanon Rd., Bangkadi, Muang, Pathumthani 12000 Thailand

**Type** Control Systems - Ships Security Alert System

**Description** Ship Security Alert system based on Inmarsat mini-C services with Thrane &

Thrane SAILOR Ship Alert Messages routed through message protocol and allowing up to three destinations to be addressed. SSA is an add on to an

existing GMDSS installation.

Option 913 is for latched alarm push buttons for International variant.

Option 916 is for instantaneous activated alarm push buttons required for the

US variant.

**Trade Name** TT-6110A-913 and TT-6110A-916

**Application** Marine and Offshore applications for use in environmental categories ENV2 in

"Bridge and Deck Zone" as defined in LR Test Specification No.1:2021 where

the test specification is satisfactory for the intended operation

**Specified 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

**IEC 60945** 

Andrei Petrov

Surveyor to Lloyd's Register EMEA A member of the Lloyd's Register group

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Ratings TT-6110A-913 and TT-6110A-916 options comprises the following main

components:

- Thrane 6194A Terminal Control Unit

Alert buttons (2 off) w / cable, International or US
 Test button (1 off) w / cable, International or US
 Tee-connections to an existing GMDSS installation

**Additional Tests** Extreme Power Supply

Compass Safe Distance Acoustic Noise and Signals

Ingress Protection
Salt Mist / Corrosion

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.

**Previous Version:** 11/70010(E1)

The Design Appraisal Document LR2209569TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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