

Type Approval Certificate



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

Certificate No. 19 999 - 11 HH

Company Thrane & Thrane A/S
Lundtoftøgardsvej 93 D
2800 Lyngby, DENMARK

Product Description Ship Security Alert System (SSAS)

Type Sailor 6120 SSA System

Environmental Category C; F (transceiver); EMC1

Technical Data / Range of Application Ship Security Alert System (SSAS) based on Inmarsat mini-C equipment with an integral GPS receiver consisting of Transceiver unit TT-3027SSA and Terminal Control Unit TT-6194A
with Security Alert option TT-6100-913 including
- Security alert button 403000SSA-911
- Test button 403000SSA-912
or
with US Security Alert option TT-6100-916 including
- Security alert button 403000SSA-914
- Test button 403000SSA-915

Power Supply: 9 V DC to 32 V DC, 4 A (max.)

Software Version: V 1.xx

Tests and evidence according to Requirement Class 1.

Test Standard IMO Res. MSC.147(77); MSC/Circ.1072; IEC 60945 (2002); IACS E10;
Guidelines for the Performance of Type Approvals, VI-7-2:2003.

Documents Test report : Nemko Report No. E10178.00, Inmarsat Certificate No. 4TT094,
Thrane&Thrane Document No. TT 99-132962.
Documents: User Manual 98-131590-A, Installation Manual 98-131589-A.

Remarks None

Valid until 2016-09-21

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File No. I.E.03

Hamburg, 2011-09-22

Type Approval Symbol



Germanischer Lloyd

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This certificate is issued on the basis of "Guidelines for the Performance of Type Approvals Part 1, Procedure".