



Certificate of Type Approval

(Iridium Certificate of Type Examination)
(Global Maritime Distress and Safety System GMDSS)

Applicant:	Manufacturer:
Lars Thrane A/S (known as LT) Skovlytoften 33 2840 Holte Denmark	Lars Thrane A/S Skovlytoften 33 2840 Holte Denmark

This is to certify the applicant has submitted the details of a:-

GMDSS Ship Earth Station on Iridium Network conforming to IEC61097-16(2019)

Of the type known and designated as:-

Lars Thrane LT-3100S

Comprising of component parts:-

LT-3110S Control Unit with Firmware revision LT-3100S-v1.01R-0013

LT-3120 Handset

LT-3121 Cradle

LT-3130S Antenna Unit

LT-3140S Interface Unit

LT-3150S Alarm Panel

LT-3160S Printer Adapter

These have been assessed, tested by LT, Iridium and third party notified body for certain tests and when used as a combination of component parts, is CERTIFIED as complying with the relevant parts of:

GMDSS Ship Earth Station IEC 61097-16:2019

Being operational requirements – Methods of testing and test results, performance specification, published by the International Electrotechnical Commission as IEC61097-16(2019) were followed.

Signed:  Alden J. Fuchs, Authorized Signatory	Date of Issue: December 1 2019 Date of Expiry: December 2 2024 Certificate number: IR-GMDSS_001
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This certificate is valid until the Expiry date above, or a change in LT-3110S Firmware revision recorded above that is required to be deployed to operational ships, shall trigger a retest for the IEC61097-16(2019) test cases as specified by Iridium. Only if a major Hardware change is made that affects any of the testing completed by third parties will that testing need to be redone.

