

Isle of Man Ship Registry Manx Shipping Notice

Long Range Identification & Tracking (LRIT)

Ref. MSN 032 (Rev. 2)
Issued: 6 Oct 2021

1. LRIT Introduction

Long Range Identification & Tracking (LRIT) is a system which requires applicable ships to transmit their identity and position every 6 hours. It is a secure, satellite based system which means that ships can be tracked globally and will never be out of range of the system. LRIT's primary purposes are to aid co-ordination of search and rescue operations and enhance maritime security and environmental protection.

The LRIT information transmitted by Manx ships will be received only by the Isle of Man Ship Registry ('IOMSR'), but this information may be requested by foreign Governments when a ship is operating to or from their ports or within 1,000 miles of their coasts and overseas territories. Such information will be provided via the LRIT International Data Exchange.

All relevant ships must transmit LRIT information without interruption and should not switch off their LRIT terminals or reduce the frequency of transmission except in very specific circumstances, which are detailed in Section 6 of this Notice.

2. Application

LRIT is required under SOLAS Chapter V Regulation 19-1 and applies to the following types of ship, if engaged on international voyages:

- Passenger Ships, including high-speed passenger craft
- Cargo Ships of 300gt and above
- Commercial Yachts of 300gt and above
- Mobile Offshore Drilling Units

Ships fitted with an Automatic Identification System (AIS) and operated exclusively within GMDSS sea area 'A1' do not need to comply with LRIT regulations.

3. Recognised Application Service Provider

Pole Star Space Applications Limited ('Pole Star') has been appointed as the recognised Application Service Provider and as such provides the dedicated Data Centre for the Isle of Man. Their contact details can be found in Appendix 1.



4. Authorised Testing Application Service Providers ('ASPs')

ASPs are authorised to conduct conformance tests and issue conformance test reports and certificates on behalf of Administrations.

A current list of IOMSR authorised testing ASPs is provided in Appendix 1.

5. Conformance Tests Reports (CTR)

A CTR, issued by an approved ASP, is required on all ships in order to confirm the functionality of a vessel's LRIT equipment. Once a conformance test has been concluded, the vessel should forward its CTR to IOMSR to allow us to register the vessel on our LRIT data centre.

The conformance test should be conducted using a communication system which provides coverage in all sea areas for which the ship is certified to operate.

Vessels transferring onto the Isle of Man register do not need to undertake a new Conformance Test as long as their CTR is issued by an Isle of Man Ship Registry approved ASP and their equipment is unchanged from the previous test. In such cases the ASP concerned should reissue the CTR on behalf of the Isle of Man Government and the amended CTR should be forwarded to IOMSR.

In the event that a new build vessel has registered with IOMSR but has not yet left the shipyard, it is the responsibility of the Company/Master to notify IOMSR when the unit is switched on and the vessel enters service.

6. Ceasing LRIT Transmissions

LRIT transmissions may be temporarily stopped or reduced in exceptional circumstances. Such circumstances are limited to the following:

- a) When the ship is in dry-dock or undergoing modification in a shipyard or port for a period where frequent interruption of the system would cause undue problems;
- b) When the ship is to be placed in lay-up for a long period; or
- c) When the Master determines that the transmission of LRIT information compromises the safety or security their ship. Transmissions must be switched back on as soon as the threat has passed and IOMSR should be informed of the occurrence without undue delay.

Masters should be aware that deactivation by shutting down the power supply may cause disruption to other systems that are mandatory under SOLAS.

In the case of a) or b) above, advance permission must be sought from IOMSR at marine.survey@gov.im. If granted, an entry shall be made in the official log book.

7. Failure to Transmit



The Ship Registry continuously monitors reporting intervals and will investigate any instance where a ship fails to transmit LRIT information, unless we have been advised in advance. The Company Security Officer will be contacted if the vessel found to be not reporting.

Reference Material:

Documents referred to in this MSN:

- Merchant Shipping (SOLAS Chapter V) (Safety of Navigation) Regulations 2018
- SOLAS Chapter V Regulation 19-1
- [MSC.1/Circ.1295](#) – Guidance in relation to certain types of ships which are required to transmit LRIT information, on exemptions and equivalents and on certain operational matters
- [MSC.1/Circ.1298](#) – Guidance on the implementation of the LRIT system
- [MSC.1/Circ.1307](#) – Guidance on the survey and certification of compliance of ships with the requirement to transmit LRIT information
- Resolutions [MSC.263\(84\)](#), [MSC.330\(90\)](#) & [MSC.400\(95\)](#) –Performance standards and functional requirements for the long-range identification and tracking of ships.

Most Regulations and notices are available on the Isle of Man Government website: www.iomshipregistry.com or by contacting marine.survey@gov.im

Please note - The Isle of Man Ship Registry cannot give legal advice. Where this document provides guidance on the law it should not be regarded as definitive. The way the law applies to any particular case can vary according to circumstances - for example, from ship to ship. You should consider seeking independent legal advice if you are unsure of your own legal position.

Appendix 1



1. Authorised Testing Application Service Providers

Fulcrum Maritime Systems Ltd.

Telephone: +44 (0) 1708 788400

Email: enquiries@fulcrum-maritime.com

Web: www.fulcrum-maritime.com

Kilo Marine Electronics Ltd.

Telephone: +44 (0) 1737 372 676

Email: pread@kilomarine.com

Web: www.kilomarine.com

Polaris Electronics A/S

Telephone: +45 9631 7900

Email: info@polaris-as.dk

Web: www.polaris-as.dk

Polestar Space Applications Limited

Telephone: +44 (0) 20 7313 7400

Email: lrittesting@polestarglobal.com

Website: <https://www.polestarglobal.com/services/lrit-conformance>

SIRM UK Branch

Telephone: +44 (0) 1245 933316

Email: andy.harris@sirm.co.uk

Website: www.sirm.co.uk

Stratum Five Limited

Telephone: +44 (0) 1273 462001

Email: support@stratumfive.com

Web: www.stratumfive.com

Transas Marine Limited UK

Telephone: +44 2392 674000

Email: LRIT@transas.com

Website: www.transas.com

