

LRIT INMARSAT C EQUIPMENT CONFORMANCE TESTING

The introduction of the Long Range Identification and Tracking (LRIT) amendment to SOLAS V/19 requires all operators of ships engaged on international voyages, including passenger ships, cargo ships of 300 gross tonnage and above, and Mobile Offshore Drilling Units (MODUs) to provide tested and certified shipborne equipment for the transmission of LRIT information. For full details see www.lrit.com.

Four simple steps to testing



1

Buy test credits from us which activates your online LRIT test account. Please email lrittesting@polestarglobal.com or phone (refer to the last page for telephone numbers).



2

Upload your entire fleet and transceiver details into the account using a preconfigured spreadsheet.



3

Decide which terminals you wish to test and start the tests at a time of your choosing.



4

Results are automatically emailed to you within 48 hours, with clear and helpful advice about what to do if your terminal failed the test. All successful test results are forwarded, free of charge, to your flag.

What do I have to do?

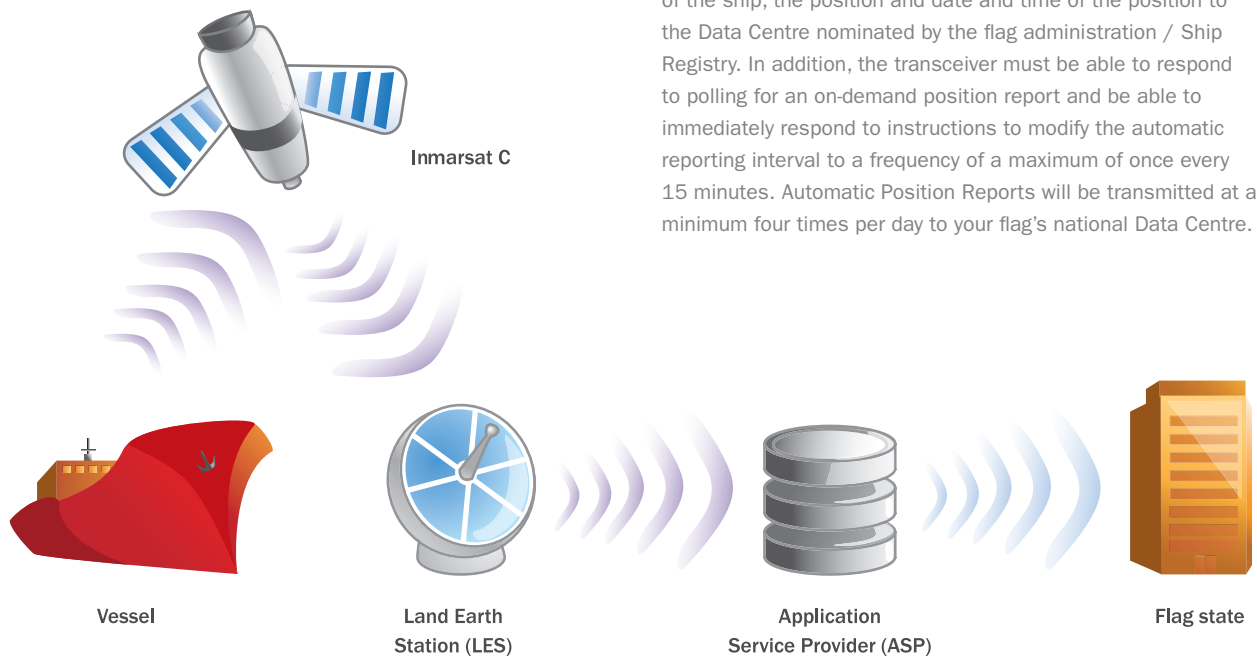
Compliance to LRIT is important. Some governments have indicated that they may not grant entry to their territorial waters, or to their ports, for ships that do not comply with LRIT.

You should arrange to test your equipment as soon as possible. LRIT Conformance Test Reports (CTRs) are required for radio surveys and inspection from 31 December 2008.

Ship operators are required to provide shipborne equipment which complies with the LRIT regulation, pass a conformance test and obtain a CTR. All shipborne LRIT equipment must be tested and certified by an Authorised Testing ASP appointed by your flag. Authorised Testing ASPs will also, on behalf of most flags, be able to issue CTRs for transceivers that pass the test.

LRIT system architecture

The ship operator's obligation under the LRIT regulation is to ensure provision of compliant equipment to transmit the identity of the ship, the position and date and time of the position to the Data Centre nominated by the flag administration / Ship Registry. In addition, the transceiver must be able to respond to polling for an on-demand position report and be able to immediately respond to instructions to modify the automatic reporting interval to a frequency of a maximum of once every 15 minutes. Automatic Position Reports will be transmitted at a minimum four times per day to your flag's national Data Centre.



Why test with Pole Star?

We understand the LRIT system and what is required. We attend and contribute to the relevant IMO COMSAR, NAV, MSC, Engineering and Working Group meetings. We work with all the major satellite equipment manufacturers, communications service providers, land earth station operators, Inmarsat and other satellite communication network providers to ensure that the LRIT system works end-to-end. Pole Star is an LRIT Data Centre administrator and an authorised testing ASP for over 90 Flags. See www.lrit.com for the latest information.

Pole Star's system manages all aspects of the test, including: terminal commissioning, satellite communications network management, post-test de-commissioning, production of a detailed test result and provision of a conformance test certificate if required. Testing of shipborne Inmarsat C equipment began in July 2008 and we have conducted over 25,000 tests since then.

Our technical capability is backed up by a professional, multi-lingual customer support team with offices in both Hong Kong and the United Kingdom. Ship operators who test their LRIT transceivers with Pole Star will also be offered a free trial of our commercial Fleet Management product.

Why test now?

The vessel shows its compliance to the regulation by having on board a valid CTR, issued on behalf of their flag, in accordance with the provisions of MSC.1/Circ.1307 on Guidance on the survey and certification of compliance of ships with the requirement to transmit LRIT information.

A vessel must show compliance by the date of its first survey after 31 December 2008 or at change of flag (considered the first survey after 31 December 2008).

Although a number of flag states are still to implement their operational LRIT Data Centre as required by Regulation V/19-1, in order to prevent Port State Controls from penalizing ships of these flags, the IMO's Maritime Safety Committee approved transitional arrangements for the compliance of vessels.

This means that as long as the vessel has complied with its LRIT obligation (provided a tested and certified transceiver in advance of the radio survey date) within the deadline, it cannot be sanctioned for matters outside its control. With this in mind, ship operators are advised to test their transceivers in good time.

How to test

We provide a web based system where ship operators have their own account. From your account you can initiate tests at any time and review the progress

and status of your tests. The system provides error messages and suggests corrective action on failed equipment.

LRIT Conformance Test

Home Help Register transceivers Logou! pf

Home Registrations Manage Tests Your Account Tools End user : Iritctbeta : UTC

Register transceivers

1. Enter transceivers > 2. Confirm > 3. Print & download

This process enables you to register transceivers. Registration is free, one test will be deducted from your Account balance for each test started. Once registration is complete you will be able to start testing.

There are 2 options for registering a transceiver, you can either

- Click the ADD button in the transceiver list below and enter details directly into the form.

or

- Complete the [Fleet registration form](#) (using Microsoft Excel or other spreadsheet program).
- Copy the details from your completed Fleet registration form into the clipboard.
- Paste the details into the large box below from the clipboard.
- Click the IMPORT button to transfer the details from the large box to the transceiver list below.

Import tool

Paste here...

IMPORT

Our simple user-friendly interface is designed with shipowners in mind. Registering your transceivers is free. Our custom-designed import tool within our interface will allow you to import your fleet data all at once.

Our simple user-friendly interface gives you a secure testing account. With this, you can initiate your tests at any time, allowing you to fit your testing around your operational schedule.

Once you've gathered your fleet information, our intuitive application allows you to upload your entire fleet with one click. With your testing account, you can overview the progress and status of testing of your fleet. Your results are emailed to you within 48 hours.

Register transceivers

1. Enter transceivers > 2. Confirm > 3. Print & download

- The total number of transceivers just registered is 6.
- If all details are correct, click the REGISTER button below, or click the BACK button to edit as required.

Vessel name	IMO number	Inmarsat C mobile number	Transceiver make	Transceiver model	Serial number	Port of registry	Flag name	Flag identifier	MMSI	Call sign	Gross tonnage	Sea area	Sea area certificate type	Sea area certificate reference	Last radio survey date	Your reference
Emperor	9308222	429856221	Thrane & Thrane	TT4567	3533-3017	Monrovia	Liberia		538090191	V7JA2	32474	A1 + A2 + A3	cargo ship safety radio certificate	24938	2008-01-02	
Empire	9308333	457349813	Thrane & Thrane	TT4567	3533-3009	Monrovia	Liberia		538090191	V7JA2	32474	A1 + A2 + A3	cargo ship safety	24938	2008-01-02	
Galactic MD	9266444	458265857	Furuno	Felcom 12	GY 66099	Majuro	Marshall Islands		538090206	V7JN8	29980					
Lehui Aria	3269874	451921259	Furuno	Felcom 12	GY 66099	Majuro	Marshall Islands		538090206	V7JN8	29980					
Oceania KW	9858748	458988854	Thrane & Thrane	TT4567	3533-3017	Monrovia	Liberia		538090191	V7JA2	32474					
Oceania LW	3259874	451269667	Thrane & Thrane	TT4567	3533-3009	Monrovia	Liberia		538090191	V7JA2	32474					

BACK **REGISTER**

The imported fleet details will be transferred to the LRIT Transceiver list. Once the transceiver(s) are registered, you can start the testing process immediately.

LRIT Conformance Test

Home Help Start test Logou! pf

Home Registrations Manage Tests Your Account Tools End user : Iritctbeta : UTC

Start test

1. Select transceiver > 2. Self certify > 3. Start test > 4. Print

Check you have selected the correct transceiver.

One test will be deducted from your Account balance when you click 'Start test'.

Confirm initiation of the LRIT Conformance Test

Vessel name	78 Great Brownings	?
IMO number	5674321	?
Inmarsat C mobile number	423500350	?
Transceiver make	Thrane & Thrane	?
Transceiver model	Standard	?
Serial number	9876543	?

BACK **START TEST**

