LRIT COMPLIANCE WITH SkyWave DMR-800LRIT

Pole Star is the world leader in the development of Long Range Identification and Tracking (LRIT) systems and has joined with SkyWave Mobile Communications, global provider of two-way Inmarsat satellite products and services, to offer an all-inclusive LRIT compliance package. Pole Star can supply the Skywave DMR-800LRIT terminal direct to your ship, pre-configured for immediate use. We will then test the equipment and, where authorised, produce the Conformance Test Report (certificate), ensuring a speedy route to compliance.

The dedicated SkyWave DMR-800LRIT terminal offers a cost-effective option for vessels where existing equipment is not suitable for LRIT purposes or where a stand-alone LRIT solution is required. The pre-configured terminal means that there is no need for a technician to go on board and no delay in the unit functioning. Testing can begin as soon as the unit is installed and powered up.

Reliable, simple and secure, the Pole Star package has been developed to meet the needs of the ship operator:

- Compact, lightweight unit
- Simple system can be installed by crew
- Connect to ship's power supply (UPS 24V-DC)
- No paperwork to complete on board

LRIT equipment conformance test

Pole Star will manage all aspects of the test

- Terminal commissioning
- Satellite communications network management
- Post-test terminal management

- Production and issue of test results
- Issue of Conformance Test Reports (certificates) *

* Please note: Where the Flag issues its own Conformance Test Reports (certificates), Pole Star will forward successful test results directly to the Flag. See www.lrit.com/testing_asp.html for further information.

Ship operators are advised, prior to purchase, to verify with the Flag State of the vessel that this equipment is accepted for LRIT purposes.

Equipment

- SkyWave DMR-800LRIT terminal
- 50m shielded two core marine grade power cable
- Universal mounting bracket
- Installation guide

What is included in the package

- Pre-registered/activated for Inmarsat IsatM2M service
- Pre-configured LRIT hardware
- 24 month warranty on hardware
- LRIT conformance test

Obtaining your Conformance Test Report (certificate)

1. Once your terminal has passed the Conformance Test, Pole Star automatically forwards the test results to your flag. If your Flag issues Conformance Test Reports (certificates), please contact them directly.

2. If we certify for your Flag, complete and send your order form (available from www.lrit.com/testing_asp.html).

3. Once we have received your order form, we will send you an invoice.

4. Your Conformance Test Report (Certificate) will be dispatched by courier within 14 days of receipt of payment.

GENERAL	
Specifications	Meets Inmarsat maritime specifications and SOLAS V/19-1 requirements

PHYSICAL	
SkyWave DMR-800LRIT terminal	Diameter 160mm x height 100mm
	Weight 0.77kg

SKYWAVE DMR-800LRIT CERTIFICATION	
Satellite	Inmarsat Type Approved
Other	IEC EN:60945
	FCC, RoHS, Anatel, IC pending
	CE0470 (R&TTE)

ENVIRONMENTAL	
Operating Temperature	· -40°C to +70°C
Storage Temperature	-40°C to +85°C
Humidity	95% Relative Humidity at +30°C
Dust & Water Ingress	IP67/NEMA-4X
Vibration	5-20 Hz; 1.92 m2/s3 random noise
	20-500 Hz; -3dB octave random noise
Shock (survival)	Half sine 6ms, 300 m/s2

ELECTRICAL	
Input Voltage	24V-DC
Power Consumption (typical @ 22°C)	Receive/tracking mode (GPS active): 0.91W
	Transmit: 9 W
Mating Connector	Conxall Mini-Con-X® 6282-8SG-3DC

SATELLITE COMMUNICATIONS	
Frequency	Rx: 1525.0 to 1559.0 MHz
	Tx: 1626.5 to 1660.5 MHz
EIRP	9 dBW max
Elevation Angle	-20 to +90 degrees

GPS	
Channels	16 channels; 1575.42 MHz
Acquisition Time	Cold-start 41.5s; SuperSense® -148 dBm
Accuracy	3 m CEP; 5 m SEP

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