FUPE SYSTEMS AS

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L.R.I.T EQUIPMENT CERTIFICATE

Conformance Test Report Number: 91074

Issued by authorized LRIT Testing ASP: **FUPE SYSTEMS AS**
On behalf of the Government of: **NORWAY**

Name of ship:	**TARANGER**
Port of registry:	**NORWAY**
Distinctive numbers or letters:	**LAMI7**
IMO Number:	**9524762**
Maritime Mobile Service Identity:	**259982000**
Gross tonnage:	**27912**
Sea areas in which the ship is certified to operate:	**A1+A2+A3**
Sea areas for which this report is valid:	**A1+A2+A3**
Application Service Provider conducting the test:	**FUPE SYSTEMS AS**

THIS IS TO CERTIFY that the shipborne equipment designated to transmit LRIT information and specified below:

1. has been found to meet the requirement of the provision of regulations V/19-1.6 and V/19-1.7 and of the Revised performance standards and functional requirements for the long-range identification and tracking of ships adopted by resolution MSC.263(84) and:

    1. is of a type approved by the Administration in accordance with the provisions of Regulation V/19-1; ☐ YES ☒ NO

    2. is of a type approved by the Administration in accordance with the provisions of regulation IV/14; ☒ YES ☐ NO

    3. has been certified by the Administration as meeting the requirements of IEC 60945 (2002-08) and IEC 60945 Corr.1 (2008-04) on Maritime navigation and radiocommunication equipment and systems . General requirements . Methods of testing and required test results; ☐ YES ☒ NO

    4. is the ship security alert system of the ship and has been found to comply with the provisions of regulation XI-2/6; and of resolution MSC.136(76) on Performance standards for a ship security alert system/resolution MSC.147(77) on Adoption of the Revised performance standards for a ship security alert system; ☐ YES ☒ NO

2. has undergone conformance testing in accordance with the procedures and provisions set out in MSC.1/Circ.1296, and has shown that it can operate within the tolerances of the acceptance criteria stated in the aforesaid circular.

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Details of the shipborne equipment used to transmit LRIT information	
IMN:	**425998210**
Model / Type name:	**FELCOM 15**
Manufacturer:	**FURUNO**
Serial Number:	**3582-2688**
ISN	**4FE060D6D1EA**

The results of the conformance test are recorded in the attached annex.

The conformance test was satisfactorily completed on **15 June 2011**

Issued at **AUKRA** on **15 June 2011**

……
John H. Edvardsen
Data & Telecom Manager
LRIT & Inmarsat
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Annex

Conformance test results

CTN	Test requirement	Result
EL1	The equipment is activated into the ASP system	**Pass**
1	Establish the sea areas the ship is certified to operate from the Cargo Ship Safety Radio Certificate, Cargo Ship Safety Certificate, Passenger Ship Safety Certificate or equivalent	**Pass**
2	The equipment automatically transmits an LRIT information	**Pass**
3	The equipment identity is present in the received LRIT information	**Pass**
4a	The latitude and longitude is present in the received LRIT information	**Pass**
4b	The equipment GNSS position information is based upon the WGS84 datum	**Pass**
5a	The date and time is present in the received LRIT information	**Pass**
5b	The equipment date and time information is in UTC	**Pass**
5c	The equipment transmits a Time Stamp relative to when the position was generated (not the CSP receipt time)	**Pass**
6	The equipment is of a type approved by the Administration	**Pass**
7	The equipment is switched off on board or ceases the distribution of LRIT information	**Pass**
8	The equipment is compliant with provisions of resolution A.694(17) The equipment has been tested for electromagnetic compatibility (refer to resolution A.813(19))	**Pass**
9a	The equipment is re-configured to automatically transmit LRIT information at 15 minute intervals	**Pass**
9b	The equipment is re-configured to automatically transmit LRIT information at 60 minute intervals demonstrating that a change in transmitting interval has been successfully achieved	**Pass**
9c	The equipment automatically transmits a LRIT information at 6 hour intervals	**Pass**
9d	The equipment is re-configured to automatically transmit LRIT information at 24 hour intervals	**Pass**
9e	LRIT information is available within 15 minutes of the time it is transmitted by the ship	**Pass**
10	The equipment transmits LRIT information (subsequent to the ASP issuing a poll command) and the LRIT information is available within 30 minutes of the time the ASP has requested the information	**Pass**
11	The equipment interfaces directly to the shipborne global navigation satellite system equipment, or has internal positioning capability	**Pass**
12	The equipment is supplied with energy from the main and emergency source of electrical power (this provision does not apply to Inmarsat-C)	**Pass**
13	The equipment automatically transmits LRIT information via the CSP to the ASP in a reliable and secure manner	**Pass**
EL2	The equipment is de-activated and released from the LRIT system	**Pass**