



Marine Equipment Directive Module B Type Examination Certificate

This is to certify that TÜV SÜD BABT did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the Radio requirements of Marine Equipment Directive 96/98/EC as amended by Commission Directive 2010/68/EU and that the equipment of

Japan Radio Co., Ltd

of
1-1, Shimorenjaku 5-Chome
Mitaka-Shi
Tokyo 181-8510
Japan

known as

JUE-87 Inmarsat-C Mobile Earth Station

conforms to the relevant requirements for an Inmarsat-C SES as defined in Marine Equipment Directive Annex A.1/5.13 as listed in Commission Directive 2010/68/EU

on the basis of the Technical Data and information detailed in the Annex to this certificate.

Signed:

Issue Date: 26 June 2012

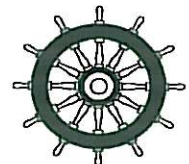
On Behalf of TÜV SÜD BABT

Number: BABT-MED000019 Issue: 01

This certificate has been issued in accordance with the Certification Regulations of TÜV SÜD BABT (Notified Body Number 0168) and constitutes page 1 of the combined Certificate and Annex

This certificate is valid from 26 June 2012 until not later than 25 June 2017

The Conditions for the validity of this certificate are listed in the Annex.
For further details related to this certification please contact Customer.Services@babt.com



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TÜV SÜD BABT • TÜV SÜD Group
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Marine Equipment Directive Module B Type Examination Certificate

Description of Equipment

Inmarsat-C Mobile Earth Station (Class 2)

Model: JUE-87

System Components:^{Notes 1&2}

Externally Mounted Mounted Equipment (Antena / DCE)	NAF-253GM
Internally Mounted Equipment (DCE)	NTF-318
External PSU	NBD-904
Printer	NKG-800
Keyboard	NDF-368 or NDF-369

Optional Components:

Remote Distress Button (RDB)	NQE-3225 or NQE-887C
Security Button (SB) ^{Note 3}	NQE-3224 or NQE-3154
External Buzzer	NCE-5547 or NCE-6255A
Junction Box 1 (Board)	NQE-3222 (CQD-2245A)
Junction Box 2 (Board)	NQE-3223 (CQD-2245B)
DTE Option	NDZ-227

Software:

DCE Software	Version 1.0
DTE Software	Version 1.0

Compliance Matrix For MED Item A.1/5.13

IMO Resolutions	International Testing Standards	
IMO Res A.570(14)	IEC 61097-4:2007 ¹	INMARSAT-C ship earth station and INMARSAT enhanced group call (EGC) equipment
IMO Res A.664 (16)		
IMO Res MSC.306(87)		
IMO Res A.807(19)		
Resolution A694(17)	IEC 60945:2002	General Requirements for Marine Navigation Equipment" (Inc. Corr1:2008)
IMO MSC/Circ 862		

Manufacturer:

Name: As Holder
Address: As Holder



Relevant Technical Documentation

User Guide: JUE-87 Installation Manual Code No. 7ZPSC0466, 2012-05-15
JUE-87 Instruction Manual, Code No. 7ZPSC0444, 2012-05-15

Test report numbers: IEC 60945:2002 Z071C-12013, 2012-05-15
(inc Corr.1) 11-598(E), 2012-03-29
JRCSC120309A, 2012-03-11
IEC 61097-4 Z071C-12014, 2012-05-15
4JR109, 2012-03-12²
Phase I Test Result, 2012-03-11
Phase II Test Result, 2012-03-11

Approved Hardware : Parts List: JUE-87 Parts list.xls, 2012-06-12

Additional Information:

This system has enhanced data reporting (Inmarsat CN141/142 conformity) and can form the shipborne LRIT information transmitting equipment as defined in MSC.263(84) for vessels as required by SOLAS Chapter V/19-1, subject to correct installation and commissioning on the ship to enable the LRIT function in accordance with International Instruments.

Notes:

- 1 As interpreted by the Inmarsat Organisation in their System Definition Manual for Inmarsat C and Change Notice 114.
- 2 This certificate is issued in recognition of INMARSAT Certificate 4JR190 and associated Type Approval Particulars (01), dated 12 March 2012. Testing conducted by the INMARSAT Organisation and their issue of certification allows a presumption of conformity to the technical detail of IEC 61097-4. The system approval as an Inmarsat mobile earth station compliant with CN114 qualifies this equipment for use in the Global Maritime Distress and Safety System (GMDSS)
- 3 This item could fulfil the appropriate hardware requirement as part of an SSAS defined in IMO Resolution MSC.147(77)., However no International testing standard for this type of equipment has yet been published and such use would be subject to a acceptance of a suitable operating plan. They have been tested with the above equipment and are recognised as compliant with the relevant requirements of IEC 60945: 2002.



Conditions of Validity

The assessed equipment is also in compliance with Directive 96/98/EC, as amended by Commission Directive 2011/75/EU, this Module B Certificate is also valid under that amendment.

This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with TÜV SÜD B A B T or a person appointed by TÜV SÜD B A B T to perform that role.

Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be reapproved prior to it/them being placed on board vessels to which the amended regulations or standards apply.

The Mark of Conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase module (D, E, or F) of ANNEX B of the Directive is fully complied with and controlled by a written inspection agreement with a notified body."

Signed:..... L Powell

Date: 26th June 2012

on behalf of TÜV SÜD B A B T