



## Marine Equipment Directive Module B Type Examination Certificate

This is to certify that TÜV SÜD B A B T 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

**JSS-2500N  
GMDSS MF/HF 500W Radio Equipment**

conforms to the relevant requirements for:

Annex A.1/5.14 MF/HF radio capable of transmitting and receiving DSC, NBDP  
and radiotelephony and  
A.1/5.15 MF/HF DSC Watchkeeping receiver

as defined in the Marine Equipment Directive and listed in Commission Directive  
2010/68/EU

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

Signed:

On Behalf of TÜV SÜD B A B T

Issue Date: 24 August 2012

Number: B A B T-MED000027 Issue: 01

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

This certificate is valid from 24 August 2012 until not later than 23 August 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](mailto:Customer.Services@babt.com)

TÜV SÜD B A B T • TÜV SÜD Group

Forsyth House • Churchfield Road • Walton-on-Thames • Surrey • KT12 2TD • United Kingdom



**0168**



## Marine Equipment Directive Module B Type Examination Certificate

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### Description of Equipment

GMDSS MF/HF 500W Radio Equipment capable of Transmitting and Receiving DSC, NBDP and Radiotelephony with Integrated 6 channel MF/HF DSC Watch-Keeping Receiver

**Model: JSS-2500N**

#### System Components:

MF/HF Transceiver	NTD-2500
MF/HF Controller	NCM-2150
Data Terminal	NDZ-227
Printer	NKG-800
Keyboard	NDF-369
Handset	NQW-261
Antenna Tuner	NFC-2500
Power supply	NBD-2500

#### Optional Components:

Battery Charger	NBB-714
Battery Charger	NBB-724
Connection Box	NQD-2250
Junction Box	NQD-2253
Additional Printer	DPU-414 or NKG-91
Distress Message Controller	NCH-321A

#### Software:

NTD-2500	
WKR Modem (CMJ-2250)	Version 2.00
TRX (CMN-2250)	Version 1.00
PA (CMC-2450)	Version 1.00
NFC-2500	Version 1.00
NCM-2150	Version 4.00
NDZ-227	Version 1.00



### Compliance Matrix For MED Item A.1/5.14, A.1/5.15

IMO Resolutions	International Testing Standards	
IMO Res. A.694(17) IMO Res. A.806(19) IMO Res. MSC.36(63) IMO Res. MSC.97(73) IMO COMSAR Circ.32	EN 60945 (2002) inc Corr.1	General Requirements for Marine Navigation Equipment (Inc. Corr1:2008)
	ETSI EN 300 373-1 V1.3.1 (2011-01)	Maritime mobile transmitters and receivers for use in the MF and HF bands
	ETSI EN 300 338 V1.2.1 (1999-04)	Technical characteristics and methods of measurement for shipborne watchkeeping receivers for reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and VHF bands
	ETSI EN 301 033 V1.3.1 (2010-09)	Technical characteristics and methods of measurement for shipborne watchkeeping receivers for reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and VHF bands
	ETSI EN 300067 Ed.1 (1990-11) ETSI EN 300067 /A1 Ed.1 (1993-10)	Radio Equipment and Systems Radiotelex equipment operating in the maritime MF/HF service. Technical characteristics and methods of measurement
	IMO MSC/Circ.862	Clarifications Of Certain Requirements In IMO Performance Standards For GMDSS Equipment

### Manufacturer:

**Name:** As Holder  
**Address:** As Holder

### Relevant Technical Documentation

**User Guide:** JSS-2250/2500/2250N/2500N Instruction Manual, 7ZPJD0535, dated 2012-08-06

### Test report numbers:

IEC 60945:2002 (inc Corr.1)	75917591 Report 02 Issue 2, 2012-07-05 Operational Inspection Report 2009-01-24 12-074(E) Issue 1, 2012-05-29 12-078(E) Issue 1, 2012-05-29 12-140(E) Issue 1, 2012-06-27 Z071C-12003 Issue 1, 2012-04-19
ETSI ETS 300373-1 V1.3.1 (2011-01)	75917591 Report 02 Issue 2, 2012-07-05 Z071C-12042 Issue 1, 2012-06-28 75904457 Report 03 Issue 3, 2009-02-23 2250+2500 Declaration Sheets, 2012-07-19
ETSI EN 300338 V1.2.1 (1999-04)	75904457 Report 01 Issue 3, 2009-02-23
ETSI EN 301033 V1.3.1 (2010-09)	75904457 Report 04 Issue 3, 2009-02-23
ETSI EN 300 067 (1990-11)	7ZTJD0002 MED type approval application
IEC 61162-1:2010	7ZPJD0537_INSTALLATION, 2012-06-15



**Approved Hardware :**

Circuit Diagram:


Circuits 1-2 Drawings.pdf, last modified 16/08/2012

**Conditions of Validity**

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 BABT or a person appointed by TÜV SÜD BABT 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:  .....	Date: <u>2012-09-04</u> .....
on behalf of TÜV SÜD BABT	