



NOTIFIED BODY
No 0191

CERTIFICATE OF TYPE APPROVAL

(EC Certificate of Type Examination - Module B)
(Marine Equipment Directive - 96/98/EC)

Applicant:-
J.R.C. Newdigate,
The Garden Room Unit, Dean House Farm,
Church Lane, Newdigate
Surrey RH5 5DL
United Kingdom

Manufacturer:-
Japan Radio Company Limited
1-1 Shimorenjaku
5-chome, Mitaka-Shi
Tokyo 181-8510
JAPAN

This is to certify that the applicant has submitted details of a:-

PORTABLE SURVIVAL CRAFT TWO-WAY VHF RADIOTELEPHONE APPARATUS (Commission Directive 2009/26/EC – Item A.1/5.17)

Of system type known and designated as:-

JRC VHF Radiotelephone – JHS-7 or JHS-7E

(Comprising component parts and having technical characteristics shown in shedule 1)

and that this has been tested and assessed, and when used in a combination of component parts as described in the attached schedules, is CERTIFIED as complying with:

EN 300 225 V1.4.1:2004 "Survival craft portable VHF radiotelephone apparatus"
IEC 60945:2002 " General Requirements for marine equipment" - EMC Clauses "
(being specifications for Technical Characteristics and Methods of measurements published by the European Telecommunications Standards Institute and CENELEC).

It is also RECOGNISED that the equipment conforms to performance standards not inferior to those adopted by the International Maritime Organisation, and which are contained in Resolution MSC.149(77), Annex 1 and the relevant parts of Resolution A694(17).

Note: The EMC requirements of IEC 60945:2002 equal or exceed those of EN 300 828:1998.

SIGNED:

R Sharp

Authorised Signatory

DATE of ISSUE:

10th June 2010

DATE of EXPIRY :

9th June 2015

Certificate Number:

QQ-MED-12/05-01R

This Certificate is Valid until expiry date shown, subject to the standard conditions of issue printed on the attached schedule Japan Radio Co. Ltd are Module D registered with QinetiQ in accord with standard condition 3, ref Certificate DQAS-01/01-JRC001R4

QinetiQ
Cody Technology Park
Ively Road, Farnborough
Hampshire. GU14 0LX



Maritime and Coastguard Agency
The MCA is an Executive Agency of
the Department for Transport,

Under the terms of the United Kingdom Statutory Instrument, No 1957 : 1999, the QinetiQ Group PLC (formerly known as DERA) has been Notified to the European Commission by the Maritime and Coastguard Agency as a Body authorised to conduct Conformity Assessment procedures under the provisions of the European Council Directive 96/98/EC on Marine Equipment and issue Certificates of Type Approval.

Certificate of Type Approval - Schedule 1

JRC VHF Radiotelephone – JHS-7 or JHS-7E

The applicant declared that the following units comprise portable Survival Craft Two-Way VHF Radiotelephone Apparatus equipment of the designation given on page 1. These units have been assessed & tested, and satisfactory details of these units were included in the technical file. These units form a waterproof VHF Radiotelephone as listed in Item Description A1/5.17 given in Annex A1 of Directive 2009/26/EC

MAIN UNIT Comprising:-

VHF Receiver	JHS-7 or JHS-7E	*1,2
Lithium Battery	NBB-389	*3,4
Weak link equiped Neck Strap	MPXP33444	*1

The following options may also be provided as additional units:-

Nickel-Cadmium Battery	NBB-248	*5
Battery Charger	NBA-4141	*5

----- End of List.

***NOTES:-**

1. This Unit is approved as a portable (handheld) survival craft radio complying with Annex 1 of IMO Resolution MSC.149(77) for use in the GMDSS provided it is fitted with the weak link strap.
2. The JHS-7E is a variant of the JHS-7, the only difference is an all yellow case.
3. This item is essential under the requirements of IMO Resolution MSC.149(77) to provide a suitable primary battery source.
4. The NBB-389 primary battery pack contains cells supplied by Ultralife, identified with suffix U2550HCES. (Ultralife UK) or U10017 (Ultralife USA)
5. The rechargeable battery and recharger may be provided in addition to the primary battery, in which case suitable stowage adjacent to the charger unit should be arranged for the NBB-389. This battery should be in clear view and easily removed should an emergency condition arise.
6. This certificate supersedes and replaces certificate number QQ-MED-38/03-01.
7. This certificate supersedes 12/05-01 and is re issued as 12/05-01R at the request of the manufacturer. This is to address minor changes (detailed in note 4) and to revise the certificate expiry date.

Notified Body 0191

Technical Characteristics

FREQUENCY OF OPERATION	TRANSMIT:	156.3MHz TO 156.875MHz
	RECEIVE:	156.3MHz TO 156.875MHz
CHANNELS	13	25kHz spacing
EMISSION CODE	16K0G3EJN	
DSC CLASS	None	
RF POWER OUTPUT	0.25 or 1 Watt	0.25 Watt ERP or more
IEC 61162-1 SERIAL PORTS	None	Not require for this equipment.
Temperature Range & IEC 945 Class	-20°C to +55°C Portable	Operational

Conditions of Issue of this certificate are printed the reverse of this sheet.

QinetiQ
Cody Technology Park
Ively Road, Farnborough
Hampshire. GU14 0LX

Certificate Number QQ-MED-12/05-01R

Certificates of Type Approval
Conditions of Issue

1. Each Certificate will be used in its entirety and not reproduced in part.
2. This certificate remains valid until the date shown (normally 5 years) unless cancelled or revoked, provided:-
 - i) the design and manufacture remain unmodified from the specimen tested and recorded in the Technical Construction File;
 - ii) any conditions contained in the schedule are complied with;
 - iii) the equipment remains satisfactory in service and the regulations and standards cited in the appropriate Directives do not change.
3. The mark of conformity may only be affixed to the equipment listed on this certificate and a manufacturer's Declaration of Conformity issued when the production Quality Assurance requirements laid down in Annex B, of the Directive (96/98/EC) is fully complied with and controlled by a written inspection agreement with a Notified Body. The use of the QinetiQ Notified Body Number (0191) in combination with the Wheelmark implies that the manufacturer is Registered with the QinetiQ Quality Assurance Scheme. A certificate of Registration is issued to the manufacturer and should be made available on request. The manufacturer is responsible for ensuring that annual renewal and surveillance are maintained.
4. This certificate does not confer any approval status to this equipment other than defined by, and tested according to the specifications listed on sheet 1.
5. The labelling requirements of IMO Resolution A694(17) shall be met. Descriptions of each unit of apparatus forming part of the equipment will be as given on this Certificate. Each unit of equipment will be marked with the minimum safe distance at which it should be mounted from a standard and steering magnetic compass.
6. No unit of apparatus shall be advertised or labelled as "approved" or "certified" on behalf of the Maritime and Coastguard Agency, the Department of Transport or the QinetiQ Group in any sense other than that it is a type that has been assessed as satisfactory against the specification;
7. The manufacturer must advise QinetiQ of any intended changes to the design or production of the equipment which might affect the equipment performance.
8. Minor Modifications to the equipment will be considered on a case-by-case basis. QinetiQ will review any factory test results, in consultation if necessary, with the test facility that conducted the original Type Approval testing on the equipment. QinetiQ will advise the manufacturer if any further testing is required to maintain valid certification.
9. If an equipment manufacturer wishes to have the type approved equipment designated under alternative names (e.g. agent/distributor's name and model number), a separate application should be completed and sent to QinetiQ.

QinetiQ Ltd
Marine Approval and Testing Service
Cody Technology Park, Room 1005/A5
Ively Road, Farnborough
Hants, GU14 0LX
United Kingdom