

U.S. Department of
Homeland Security

United States
Coast Guard



Commandant
United States Coast Guard

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2003-232
16714 / 46 CFR 165.155
May 10, 2004

Japan Radio Company
Attn: Mr. E. D'Ancicco
1011 SW Klickitat Way
Bldg B, Suite 100
Seattle, WA 98134

Dear Mr. D'Ancicco:

We have completed our review of your request for Type Approval of the JHS-182 Automatic Identification System (AIS). The AIS system meets the requirements set forth in IMO Resolution A.694(17), MSC.74(69) Annex 3, Recommendation ITU-R M.1371-1, IALA Technical Clarifications on Recommendation ITU-R M.1371-1, IEC 60945, IEC 61162 (applicable parts), and IEC 61993-2.

The JHS-182 is certified as follows:

Japan Radio Corporation JHS-182
165.155/11/0

Dated: May 10, 2004
Expires: May 10, 2009

This certification remains valid for five years from May 10, 2004, unless we suspend, withdraw, or terminate it. Only the manufacturer of the AIS may apply for this certification to be extended by writing to the Commandant (G-MSE-3) before it expires. If the AIS is no longer produced and thus terminated, the AIS continues to be considered certified based on the AIS test date of manufacture, the vessel installation date, and a valid certification for that time period. You cannot transfer this certification to another manufacturer without written authorization from the Commandant (G-MSE-3). You must notify the Commandant in writing when you make any change in the design or construction of these devices or when you cease manufacturing these devices.

Final shipboard acceptance of the Japan Radio Company JHS-182 AIS is based on the installation, materials, and workmanship being to the satisfaction of the cognizant Officer in Charge, Marine Inspection.

Sincerely,

A handwritten signature in black ink, appearing to read "R.W. Martin".

R.W. MARTIN
Commander, U.S. Coast Guard
Chief, Systems Engineering Division
Office of Design and Engineering Standards
By direction of the Commandant

Encl: U.S. Coast Guard Approval Certificate Number 165.155/11/0



U. S. Department of Homeland Security
United States Coast Guard
Certificate of Approval

Coast Guard Approval Number: 165.155/11/0

Expires: 10 May 2009

AUTOMATIC IDENTIFICATION SYSTEM (AIS)

JAPAN RADIO COMPANY
1011 SW Klickitat Way
Bldg B, Suite 100
Seattle WA 98134

Japan Radio Company, JHS-182 Automatic Identification System (AIS).

The Japan Radio Company, JHS-182 AIS system meets the requirements set forth in:

IMO Resolution A.694(17),
MSC.74(69) Annex 3,
Recommendation ITU-R M.1371-1,
IALA Technical Clarifications on Recommendation ITU-R M.1371-1,
IEC 60945,
IEC 61162 (applicable parts), and
IEC 61993-2.

TUV Test Report No RM611325-01 Issue 2 April 2004

Federal Communications Commission (FCC) Certification is required.

Japan Radio Company, JHS-182 consists of the following equipment:

NTE-182 Transponder with integral antenna,
NQD-4382 Junction Box,
NQE-3182 Connection Box,
NCM-779 AIS Controller and
NBD-577B Power Supply Unit.

Software:

Transponder	Version 1.0
Controller	Version 1.10
I/O Control Cont	Version 1.0

*** END ***

THIS IS TO CERTIFY THAT the above named manufacturer has submitted to the undersigned satisfactory evidence that the item specified herein complies with the applicable laws and regulations as outlined on the reverse side of this Certificate, and approval is hereby given. This approval shall be in effect until the expiration date hereon unless sooner canceled or suspended by proper authority.

GIVEN UNDER MY HAND THIS 10th DAY OF
MAY 2004, AT WASHINGTON D.C.

RAYMOND W. MARTIN, CDR
CHIEF, SYSTEMS ENGINEERING DIVISION
BY DIRECTION OF THE COMMANDANT, U.S.C.G.



TERMS: The approval of the item described on the face of the Certificate has been based upon the submittal of satisfactory evidence that the item complies with the applicable provisions of the navigation and shipping laws and the applicable regulations in Title 33 and/or Title 46 of the Code of Federal Regulations. The approval is subject to any conditions noted on this Certificate and in the applicable laws and regulations governing the use of the item on vessels subject to Coast Guard inspection or on other vessels and boats.

Consideration will be given to an extension of this approval provided application is made 3 months prior to the expiration date of this Certificate.

The approval holder is responsible for making sure that the required inspections or tests of materials or devices covered by this approval are carried out during production as prescribed in the applicable regulations.

The approval of the item covered by this certificate is valid only so long as the item is manufactured in conformance with the details of the approved drawings, specifications, or other data referred to. No modification in the approved design, construction, or materials is to be adopted until the modification has been presented for consideration by the Commandant and confirmation received that the proposed alteration is acceptable.

NOTICE: Where a manufacturer of safety-at-sea equipment is offering for sale to the maritime industry, directly or indirectly, equipment represented to be approved, which fails to conform with either the design details or material specifications, or both, as approved by the Coast Guard, immediate action may be taken to invoke the various penalties and sanctions provided by law including prosecution under 46 U.S.C. 3318, which provides:

"A person that knowingly manufactures, sells, offers for sale, or possesses with intent to sell, any equipment subject to this part (*Part B. of Subtitle II of Title 46 U.S.C.*) and the equipment is so defective as to be insufficient to accomplish the purpose for which it is intended, shall be fined not more than \$10,000, imprisoned for not more than 5 years or both."