

U.S. Department of
Homeland Security

United States
Coast Guard



Commandant
United States Coast Guard

2100 Second Street, S.W.
Washington, DC 20593-0001
Staff Symbol: G-MSE-3
Phone: (202) 267-2206
Fax: (202) 267-4816
Email: rmartin@comdt.uscg.mil

2002-312
16714 / 46 CFR 165.155
May 30, 2003

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-180 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-180 is certified as follows:

Japan Radio Corporation JHS-180
165.155/5/0

Dated: May 30, 2003
Expires: May 30, 2008

This certification remains valid for five years from May 30, 2003, 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-180 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 165.155/5/0



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

Coast Guard Approval Number: 165.155/5/0

Expires: 30 May 2008

SHIPBORNE AUTOMATIC IDENTIFICATION SYSTEM (AIS)

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

Japan Radio Company JHS-180 AIS

Japan Radio Company JHS-180 AIS consists of the following components:

NTE-180 Transponder with integral antenna and software release Version 0.03
NQD-4190 Junction Box
NQE-3111 Connection Box
NCM-722 AIS Controller software release Version 0.01

The JRC JHS-180 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

Tested by TUV Product Services Ltd. Report No. RM609491 Issue 2

Federal Communications Commission (FCC) Certification is required.

Japan Radio Company JHS-180 AIS

*** 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 30th DAY OF
MAY 2003, AT WASHINGTON D.C.

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