

Japan Radio Co., Ltd.

Mitaka Plant

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Tokyo 181 Japan

JRC

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17 January 1991

Federal Communication Commission
7435 Oakland Mills Road
Columbia, MD. 21046
U.S.A

Subject : Type Approval Application for INMARSAT-A Ship Earth Station

Model : JUE-45A MII

This equipment has been tested in accordance with the technical requirements of INMARSAT as well as those contained in the appropriate commission regulations. The necessary measurements have been made by Japan Radio Co., Ltd. (The copy of the INMARSAT certification is attached.)

These tests have been performed using measurement procedures consistent with industry of commission standards and demonstrate that the equipment complies with these technical requirements and regulations.

Each unit manufactured, imported or marketed, as defined in the commission's regulations, will conform to the sample(s) tested within the variations that can be expected due to quantity production and testing on a statistical basis.

Sincerely yours,



M. Okuyama
General Manager
INMARSAT & Marine Radio Systems



TYPE APPROVAL CERTIFICATE

FOR A SHIP EARTH STATION MODEL FOR USE WITH THE INMARSAT SATELLITE COMMUNICATIONS SYSTEM

WHEREAS, Japan Radio Company Ltd., the manufacturer of a Ship Earth Station Model identified as JUE-45A MIL, has submitted test data which demonstrates that said Ship Earth Station Model when operating in the environmental conditions set forth in the manufacturer's application dated 6 June 1989, meets the applicable technical requirements for use with the INMARSAT Satellite Communications System, as issued by INMARSAT in the document entitled Technical Requirements for INMARSAT Standard-A Ship Earth Stations; and

WHEREAS, said manufacturer has certified that all other units of the same type will meet said technical requirements in a similar manner to the unit subjected to test and that the results of tests conducted in accordance with procedures approved by INMARSAT demonstrate that said Ship Earth Station Model and other units of the same type are capable of providing the following communications functions:

1. Duplex Telephony
2. Shore-to-Ship One-way Telephony
3. Duplex Telephony with and without Companders
4. Shore-to-Ship One-way Telephony with and without Companders.

NOW, THEREFORE, in reliance upon the foregoing, INMARSAT does hereby certify that the Ship Earth Station Model identified herein is acceptable for use with the INMARSAT Satellite Communications System as of the date of this Certificate.

International Maritime Satellite Organization
(INMARSAT)

By: 

Name: O. Lundberg

Title: Director General

Date: 3 April 1990

NOTE, HOWEVER:

1. This certificate does not authorize the operation of any ship earth station in the INMARSAT System. Such authorization requires commissioning after installation, in accordance with commissioning procedures established by INMARSAT. In addition, the operation of the ship earth station may also be subject to national licensing requirements.
2. This certificate is intended only as formal notification to the above identified manufacturer that INMARSAT has determined, on the basis of data submitted by the manufacturer, that ship earth stations of the type identified herein meet the standards for use with the INMARSAT System. This certificate is not a warranty and INMARSAT hereby expressly disclaims any and all liability arising out of or in connection with the issuance, use, or misuse of this Certificate.

Japan Radio Co., Ltd.

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5-1-1, Shimorenjaku Mitaka-Shi,

Tokyo 181 Japan

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Phone: (0422) 45-9544

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Fax : (0422) 45-9957

29 August 1991

Federal Communication Commission

7435 Oakland Mills Road

Columbia, MD. 21046

U.S.A

Subject: Type Approval Application for INMARSAT-C Mobile Earth Station

Model : JUE-75A

This equipment has been tested in accordance with the INMARSAT-C System Definition Manual of INMARSAT as well as those contained in the appropriate commission regulations.


The necessary measurements have been made by Japan Radio Co., Ltd.

(The copy of the INMARSAT certification is attached.)

These tests have been performed using measurement procedures consistent with industry of commission standards and demonstrate that the equipment complies with these technical requirements and regulations.

Each unit manufactured, imported or marketed, as defined in the commission's regulations, will conform to the sample(s) tested within the variations that can be expected due to quantity production and testing on a statistical basis.

Sincerely yours,


M. Okuyama

General Manager

INMARSAT & Marine Radio Systems

Inmarsat

**TYPE APPROVAL CERTIFICATE
FOR A MARITIME MOBILE EARTH STATION MODEL
FOR USE WITHIN THE INMARSAT SATELLITE COMMUNICATIONS SYSTEM**

WHEREAS, Japan Radio Co., the manufacturer of a Maritime Mobile Earth Station Model identified as JRE-75A, has submitted test data which demonstrates that said Maritime Mobile Earth Station Model when operating in the environmental conditions set forth in the manufacturer's application dated 9 July 1990 meets the applicable technical requirements for use with the INMARSAT Satellite Communications System, as issued by INMARSAT in the document entitled System Definition Manual for the Standard-C Communications System; and

WHEREAS, said Manufacturer has certified that all other units of the same type will meet said technical requirements in a similar manner to the unit subjected to test and that the results of tests conducted in accordance with procedures approved by INMARSAT demonstrate that said Maritime Mobile Earth Station Model and other units of the same type provide the capabilities of a Class 2 Maritime Mobile Earth Station.

- a) 2-way message transfer;
- b) Distress Alerting; and
- c) Enhanced Group Calling.

NOW, THEREFORE, in reliance upon the foregoing, INMARSAT does hereby certify that the Maritime Mobile Earth Station Model identified herein is acceptable for use with the INMARSAT Satellite Communications System as of the date of this Certificate.

**International Maritime Satellite Organization
(Inmarsat)**

BY: *Boel Lundberg*
Name: Boel Lundberg
Title: Director General
Date: 1 August 1991

NOTE, HOWEVER:

1. This certificate does not authorize the operation of the maritime mobile earth station in the INMARSAT System. Such authorization requires commissioning after installation, in accordance with commissioning procedures established by INMARSAT. In addition, the operation of the maritime mobile earth station may also be subject to national licensing requirements.
2. This certificate is intended only as formal notification to the manufacturer that INMARSAT has determined, on the basis of data submitted by the manufacturer, that maritime mobile earth stations of the type identified herein meet the standards for use with the INMARSAT System. This certificate is not a warranty and INMARSAT hereby expressly disclaims any and all liability arising out of or in connection with the issuance, use, or misuse of this Certificate.