

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

2004-122
16714 / 46 CFR 165.155
May 14, 2004

Jotron Electronics AS
Attn: Mr. E. Storjordet
PO Box 54
NO-3280
Tjodalyng, Norway

Dear Mr. Storjordet:

We have completed our review of your request for Type Approval of the Tron UAIS TR-2500 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 Tron UAIS TR-2500 is certified as follows:

Tron UAIS TR-2500
165.155/12/0

Dated: May 14, 2004
Expires: May 14, 2009

This certification remains valid for five years from May 14, 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 Jotron Electronics, Tron UAIS TR-2500 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 165.155/12/0



U. S. Department of Homeland Security

United States Coast Guard

Certificate of Approval

Coast Guard Approval Number: 165.155/12/0

Expires: 14 May 2009

AUTOMATIC IDENTIFICATION SYSTEM (AIS)

JOTRON ELECTRONICS AS
PO BOX 54
NO-3280
TJODALYNG
NORWAY

Jotron Electronics AS, Tron UAIS TR-2500 Automatic Identification System (AIS).

The Jotron Electronics AS, Tron UAIS TR-2500 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.

BSH Test Report No. 734.2/0053-1/2003/S3220

Federal Communications Commission (FCC) Certification is required.

Jotron Electronics AS, Tron UAIS TR-2500 consists of the following equipment:

Component:	Part Number
AIS Unit TR 2500	80401
Junction Box	80564
VHF Antenna, Procom CX L2-1 (or equivalent)	92598
GPS Antenna, Procom GPS 4 (or equivalent)	80611
Combined GPS/VHF Antenna, Procom AIS2/GPS (Optional)	80748

Software Version: V.01.01.X

*** 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 14th 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."