

U.S. Department of  
Homeland Security

United States  
Coast Guard



Commandant  
United States Coast Guard

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2009-2687  
16714 / 46 CFR 165.156  
May 1, 2009

Raymarine UK, Ltd  
Attn: Mr. Andy Little  
Anchorage Park, Robinson Way  
Portsmouth, Hampshire, PO3 5TD  
United Kingdom

Dear Mr. Little:

We have reviewed your application requesting a U.S. Coast Guard Certificate of Approval for the Raymarine AIS500 Class B Automatic Identification System based on the Software Radio Technology, SRT-MTB-OEM. The SRT-MTB-OEM Class B AIS was successfully tested by Bundesamt für Seeschifffahrt und Hydrographie (BSH) as meeting the requirements of: IEC 60945, IEC 61162 (applicable part), IEC 62287-1, and IMO Resolution A.694 (17).

The following approval number has been assigned:

Raymarine AIS500  
165.156/8/0

Dated: May 1, 2009  
Expires: May 1, 2014

This certification remains valid for five years from May 1, 2009, unless we suspend, withdraw, or terminate it. Only the manufacturer of this device may apply for this certification to be extended by writing to the Commandant (CG-5213) before it expires. If it is no longer produced and thus terminated, the device continues to be considered certified based on the 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 (CG-5213). You must notify this office in writing when you make any change in the design or construction of the device or when you cease manufacturing the device.

Final shipboard acceptance of the Raymarine AIS500 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 blue ink, appearing to read "John Reynolds".

J. D. REYNOLDS  
Commander, U.S. Coast Guard  
Chief, Systems Engineering Division  
Office of Design and Engineering Standards  
By direction

Encl: (1) U.S. Coast Guard Approval Certificate Number 165.156/8/0



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

Coast Guard Approval Number: 165.156/8/0

Expires: 01 May 2014

CLASS B AUTOMATIC IDENTIFICATION SYSTEM (AIS-B)

Raymarine UK, Ltd  
Robinson Way  
Anchorage Park  
Portsmouth  
Hampshire  
PO3 5TD  
United Kingdom

Raymarine AIS500 Class B Automatic Identification System.

The Raymarine AIS500 Class B Automatic Identification System meets the requirements set forth in:

IMO Resolution A.694(17),  
IMO MSC.74 (69) Annex 3,  
ITU-R M 1371-2,  
IEC 62287-1,  
IEC 60945, and  
IEC 61162 (applicable part).

The Raymarine AIS500 consists of the following equipment:

Transceiver: AIS500  
Software Version: Version 10.0.x

Additional Required Equipment:  
GPS antenna (260-0001)  
VHF antenna

Federal Communications Commission (FCC) certification is required.

\*\*\* 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 1<sup>st</sup> DAY OF  
MAY 2009, AT WASHINGTON D.C.

JOSHUA D. REYNOLDS, 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."