



2011-2912
16714 / 46 CFR 165.156
July 12, 2011

Software Radio Technology, PLC
Attn: Mr. Nathan Emery
Wireless House, Westfield Industrial Estate
Midsomer Norton, Bath BA3 4BS
United Kingdom

Dear Mr. Emery:

Our office has reviewed your application requesting a U.S. Coast Guard Certificate of Approval for the Raymarine AIS650 Class B Automatic Identification System (AIS). The Raymarine AIS650 Class B AIS; which is based on the Software Radio Technology's Cobalt 011-0014 module, has been successfully tested by TUV Product Service and Bundesamt fur Seeschifffahrt und Hydrographie (BSH) as meeting the requirements of IEC 60945, IEC 61162, and IEC 62287-1.

The following approval number has been assigned:

Raymarine AIS650
165.156/15/0

Dated: July 12, 2011
Expires: July 12, 2016

This certification remains valid until July 12, 2016 unless our office suspends, withdraws, or terminates it. The device manufacturer may apply for extension of this certification by writing to our office before it expires. If the equipment is no longer produced our office continues to consider it certified based on the date of manufacture, the vessel installation date, and the valid certification for that time period. You cannot transfer this certification to another manufacturer without written authorization from our office. You must notify our 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 AIS650 Class B AIS is based on the installation, materials, and workmanship being to the satisfaction of the cognizant Officer in Charge, Marine Inspection.

Automatic Identification Systems contain radio transmitters and will therefore need to meet the requirements of the Federal Communications Commission's (FCC) regulations for equipment authorization, Title 47 Code of Federal Regulations (CFR) Part 2 Subpart J. This is handled by the FCC independently of the Coast Guard review.

Sincerely,

A handwritten signature in black ink, appearing to read "T. Gilman".

T. GILMAN
U.S. Coast Guard
Acting Chief, Systems Engineering Division
By direction

Encl: (1) U.S. Coast Guard Approval Certificate Number 165.156/15/0



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

Coast Guard Approval Number: 165.156/15/0

Expires: 12 July 2016

AUTOMATIC IDENTIFICATION SYSTEM (AIS-B/CS)

RAYMARINE UK, LTD
Marine House, 5 Harbournate, Southampton Road
Portsmouth Hampshire PO6 4BQ
UNITED KINGDOM

Raymarine, AIS650 Class B, Automatic Identification System.

Raymarine, AIS650 Class B, Automatic Identification System meets the requirements set forth in:

IMO Resolution: A.694(17),
ITU-R M. 1371-4,
IEC 62287-1,
IEC 60945, and
IEC 61162.

Raymarine, AIS650 consists of the following equipment:

Transponder: COBALT 011-0014
Software Version: 1373
GPS Antenna: 260-0001

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 12th DAY OF
JULY 2011, AT WASHINGTON D.C.

T. GILMAN
ACTING CHIEF, SYSTEMS ENGINEERING DIVISION
BY DIRECTION OF THE COMMANDANT

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."