



2011-2899  
16714 / 46 CFR 165.156  
May 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 em-trak B100 Class B Automatic Identification System (AIS) manufactured by em-trak Marine Electronics Ltd. a wholly owned subsidiary of Software Radio Technology, PLC. The em-trak B100 has been successfully tested by TUV Product Service and Bundesamt für Seeschifffahrt und Hydrographie (BSH) as meeting the requirements of IEC 60945, IEC 61162, and IEC 62287-1.

The following approval number has been assigned:

em-trak B100  
165.156/14/0

Dated: May 12, 2011  
Expires: May 12, 2016

This certification remains valid until May 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 em-trak B100 Class B 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 blue ink, appearing to read "R. P. Griffiths".

R. P. GRIFFITHS  
Lieutenant Commander, U.S. Coast Guard  
Acting Chief, Systems Engineering Division  
By direction

Encl: (1) U.S. Coast Guard Approval Certificate Number 165.156/14/0



# U. S. Department of Homeland Security

## United States Coast Guard

# Certificate of Approval

Coast Guard Approval Number: 165.156/14/0

Expires: 12 May 2016

AUTOMATIC IDENTIFICATION SYSTEM (AIS-B/CS)

SOFTWARE RADIO TECHNOLOGY PLC  
Wireless House,  
Westfield Industrial Estate,  
Midsomer Norton, Bath BA3 4BS  
UNITED KINGDOM

em-trak Marine Electronics Ltd., em-trak B100 Class B, Automatic Identification System (AIS).

em-trak Marine Electronics Ltd., em-trak B100 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.

em-trak Marine Electronics Ltd., em-trak B100 consists of the following equipment:

Transponder: COBALT 011-0014  
Software Version: 1373  
GPS Antenna: MA 700

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 12<sup>th</sup> DAY OF  
MAY 2011, AT WASHINGTON D.C.

ROBERT P. GRIFFITHS, LCDR  
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."