

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
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2006-046
16714 / 46 CFR 165.151
May 23, 2006

Furuno USA
Attn: Shane Ryan
4400 NW Pacific Rim Blvd
Camas, WA 98607

Dear Mr. Ryan:

We have reviewed your application for a U.S. Coast Guard Certificate of Approval for your Furuno VR-3000S Simplified Voyage Data Recorder (S-VDR). This system meets the requirements of IMO Resolutions A.694 (17) and IEC standards IEC 60945, IEC 61162 (serial interface 2000) and IEC/PAS 61996-2.

The VR-3000S S-VDR certified as follows:

VR-3000S S-VDR
165.151/5/0

Dated: May 23, 2006
Expires: May 23, 2011

This certification remains valid for five years from May 23, 2006, 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 (G-PSE-3) before it expires. If it is no longer produced and thus terminated, the VR-3000S S-VDR 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 (G-PSE-3). 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 VR-3000S S-VDR 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 cursive script that reads "A.D. Wiest".

A.D. WIEST
Chief, Systems Engineering Division
By direction of the Commandant

Encl: (1) U.S. Coast Guard Approval Certificate Number 165.151/5/0



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

Coast Guard Approval Number: 165.151/5/0

Expires: 23 May 2011

SIMPLIFIED VOYAGE DATA RECORDER (SVDR)

FURUNO USA
4400 NW Pacific Rim Blvd
Camas WA 98607

VR 3000S Simplified Voyage Data Recorder (SVDR)

VR 3000S Simplified Voyage Data Recorder (SVDR) meets the requirements set forth in the following standards:

IMO Resolution A.694(17)
IEC/PAS 61996-2 (2005)
IEC 60945 (2002), and
IEC 61162 (serial interface 2000).

VR 3000S Simplified Voyage Data Recorder (SVDR) consists of the following equipment:

Data Collecting Unit	VR-3010	Software version	0.14.00
Remote Junction Box	IF-8530	Software version	006
Remote Alarm Panel	VR-3016	Software version	007
Data Recording Unit	VR-5020	Software version	0.18.00
Microphone	VR-5011	Software version	0.24.00

BSH Certificate Number BSH/4616/0020193/06
BSH Test Report Number 4612/4290192/05

*** 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 23rd DAY OF
MAY 2006, AT WASHINGTON D.C.

A. D. Wiest

A. D. WIEST
CHIEF, SYSTEMS ENGINEERING DIVISION
BY DIRECTION OF THE COMMANDANT