

# EC CERTIFICATE TYPE EXAMINATION (MODULE B)

DNV·GL

This is to certify that:

DNV GL SE, a Notified Body under the terms of the Marine Equipment Directive 96/98/EC of 20 December 1996, notified by the German Federal Ministry of Transport, Building and Urban Development, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 96/98/EC as amended, subject to any conditions in the schedule attached hereto.

Certificate No. **42 118 - 15 HH**

Applicant **Kelvin Hughes Ltd.**  
**Voltage, 6 Mollison Avenue**  
**Enfield EN3 7XQ, UNITED KINGDOM**

Product Description **Voyage Data Recorder (VDR)**

Product Name **X-VDR**

Trade Name **X-series**

Specified Standards **IMO Res. A.694 (17), MSC.36(63), MSC.97(73), MSC.191(79), MSC.333(90), IEC 60945(2002) incl. Corr.1 (2008), IEC 62288(2014), IEC 61996-1 (2014), IEC 61162-1 (Edition 4), IEC 61162-2 (Edition 1), IEC 61162-450 (Edition 1).**

Related Directive **2014/93/EU**

Equipment Section **Navigation equipment**

Annex A.1 Item No. **A.1/4.29**

Date of Issue **2015-11-17**

Expiry Date **2019-11-24**

**DNV GL SE**

**Notified Body No.: 0098**



  
**Christine Mydlak-Röder**

**Certificate No: 42 118 - 15 HH**

**Date of Issue: 2015-11-17**

**Schedule of Approval**

**Approval Documentation**

Test report : CML/T1007/1, CML/T1006/1, CML/T1007/2, 75925015 report 01 issue 2, 75925015 report 02 issue 1, E13261.04, 360-19900-xx, GL-Testreport\_AMI\_XVDR, 2219512KAU-001, 05951 00, TP-TR50-9209.

**Technical Data**

The voyage data recorder X-VDR / X series comprising of items listed below:

- 1. AM-X-VDRMEU (Main Electronics Unit)                      Software version: 1.0.3.xx
- 2. AM-X-VDRUPS (Uninterruptible Power Supply)
- 3. AM-X-VDRTSCON (Monitor)
- 4. AM-X-VDRMIC-INT (Microphone internal)
- 5. AM-X-VDRMIC-EXT (Microphone External)
- 6. VDR-A22 (Floatfree Capsule)
- 7. AM-X-VDRHC-NOV (Fixed Capsule)

X-VDR Companion Software    Software version: V1.0.2.xx  
 X-VDR Replay Software    Software version: V1.0.0.xx

**Optional:**

- 1. X-16-A (16 Channel Analogue Interface)                      Software version: 1.0.3.xx
- 2. X-32-D (32 Channel Digital Interface)                              Software version: 1.0.3.xx

**Documentation:**

Installation / Service Manual Issue 01 Rev.: xx,  
 Commissioning Report Issue 01 Rev.: xx  
 Touch Screen Console Operation Guide Issue 01 Rev.: xx,  
 Companion Software Guide Issue 01 Rev.: xx

**Note:**

The X-VDR may be also used for the retrofit of VDRs (IEC61996-1 : 2007) or S-VDRs (IEC 61996-2 : 2007) installed before 1st July 2014 together with a fixed protective capsule only, depending on the acceptance of the Flagstate Administration.

**Remarks**

none

**Notes:**

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV GL SE, as the Notified Body, of any modifications or changes to the approved equipment. Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.

An U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment", signed February 27th 2004.

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The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body.

**Limitations on the acceptance or use of the product**

none