

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. **11 113 - 14 HH**

Applicant **Beijing Highlander Digital Technology Co., Ltd.**

**Tsinghua Science Park C 1902, Haidian District
100084 Beijing, P.R. CHINA**

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

Product Name **HLD-VDR600**

Trade Name **HLD-VDR600**

Specified Standards **IMO Resolutions: A.694(17), MSC.36(63), MSC.97(73), MSC.191(79), MSC.333(90), Standards: IEC 60945 (2002) including Corrigendum 1 (2008), IEC 61162-1 (Ed.4), IEC 61162-2(1998), IEC 61162-450(20011), IEC 62288 Ed.2.0(2014), IEC 61996-1 Ed.2 (2013).**

Related Directive **2013/52/EU**

Equipment Section **Navigation equipment**

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

Date of Re-issue **2015-07-29**

Expiry Date **2019-07-17**

DNV GL SE




Christine Mydlak-Röder

Notified Body No.: 0098

Certificate No: 11 113 - 14 HH

Date of Re-issue: 2015-07-29

Schedule of Approval

Approval Documentation

Test report : A13-081-ZC-01, A13-081-ZC-02, HLD-VDR600_GL_0614, KS-2014-04100, JECZ S20140331, 14/104, Y(H)-2014-001, Y(H)-2014-015, Y(H)-2014-001, Y(H)-2014-002, Y(H)-2014-003, XDsm2014-0205(1/2)

Technical Data

The voyage data recorder HLD-VDR600 contains of the following equipment:

Main Unit (MU) with One Long-term Data Recording unit (LRU)	HLD-MU600	Software ver. 2.x
Serial Data Acquisition Unit (DAU)	HLD-DAU600	Software ver. 2.x
Non-Standard Data Acquisition Unit (NAU)	HLD-NAU600	Software ver. 2.x
Video Acquisition Unit (VAU)	HLD-VAU600	Software ver. 2.x
Fixed Protective Data Recording Capsule (PDC)	HLD-PDC600	Software ver. 2.x
Operator Unit (OPU)	HLD-OPU600	Software ver. 2.x
Float-free Data Recording Capsule (FFC)	HLD-FFC600	Software ver. 2.x
Capsule Junction Box (CJB)	HLD-CJB600	
Indoor Microphones (MIC)	HLD-MIC600	
Outdoor Microphones (MIC)	HLD-MIC610	

Playback Software Version: 2.x
 Configuration Software : 2.x

Documentation:

Service Manual:	HLD2600FC Ver.: 1.x
Installation Manual:	HLD2600AZ Ver.: 1.x
Operation Manual:	HLD2600CZ Ver.: 1.x
Investigation Authority Manual:	HLD2600DC Ver.: 1.x

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.



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.

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Limitations on the acceptance or use of the product

None