

EC TYPE EXAMINATION (MODULE B) CERTIFICATE


This is to certify that :

LLOYD'S REGISTER VERIFICATION LIMITED (LRV), specified as a "notified body" under the terms of The Merchant Shipping (Marine Equipment) Regulations S.I. 1999 No. 1957, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the essential Navigation requirements of Marine Equipment Directive (MED) 96/98/EC as modified by Commission Directives 98/85/EC, 2001/53/EC, 2002/75/EC, 2002/84/EC, 2008/67/EC, 2009/26/EC, 2010/68/EU, 2011/75/EU, 2012/32/EU, 2013/52/EU and 2014/93/EU subject to any conditions in the Design Appraisal Document attached hereto.

Manufacturer	Kelvin Hughes Ltd.
Address	Voltage Mollison Avenue Enfield, EM3 7XQ
Annex A1 Item USCG Category Number	A.1/4.33 TRACK CONTROL SYSTEM 165.112 TRACK CONTROL
Product Type	Navigation equipment
Product Description	MantaDigital Widescreen Track Control System (TCS)
Specified Standard	EN: 62065:2014, IEC 62065 Ed.2, IEC 61162 series, IEC 62288, IMO Res. A.694(17), IMO Res. MSC 74(69), IMO Res. MSC 191(79)

The attached Design Appraisal Document (schedule) forms part of this certificate.

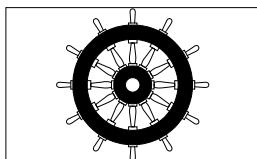
This certificate remains valid unless cancelled or revoked, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

Date of issue	12 December 2014	Expiry date	11 December 2019
Certificate No.	MED 1400016	Signed	 London Office Lloyd's Register Verification Limited P. A. Huntley-Hawkins
Sheet No	1 of 3	Name	P. A. Huntley-Hawkins For and on behalf of Lloyd's Register Verification LRV EC Distinguishing No. 0038



Note:

This certificate is not valid for equipment; the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify the notified body named on this certificate of any modification or changes to the equipment in order to obtain a valid Certificate.



0038/yy

Subject to compliance with the conditions in the attached Design Appraisal Document (schedule), which forms part of this certificate, and those of Articles 10.1(i) and 11 of the Directive, the Manufacturer is allowed to affix the "Mark of Conformity" to the Product described herein.

yy = Last two digits of year mark affixed.

This product has been assigned a U.S. Coast Guard Module B number:

USCG Module B number: 165.112/EC0038

USCG-EU MRA

to note type approval to Module B only as it pertains to obtaining U. S. Coast Guard approval as allowed by the "Corrigendum to Council Decision 2004/425/EC of 21 April 2004 on the conclusion of an Agreement between the European Community and the United States of America on the mutual recognition of certificates of conformity for marine equipment."

This certificate is issued under the authority of the MCA.

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Lloyd's
Register

Lloyd's Register Verification Limited

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Issue number 1

DESIGN APPRAISAL DOCUMENT

Date 12 December 2014	Quote this reference on all future communications MTES/ETS/PAHH/LG/WP19496708/W03893851
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ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED 1400016

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions and European Union legislation for the EC Type Examination of Marine Equipment for use on Merchant Ships Registered in the European Economic Area.

This Design Appraisal Document (schedule) forms part of the Certificate.

APPROVAL DOCUMENTATION

Form 2571	21.Jul.2014
LR stamped front cover sheet endorsing testing	23.Oct.2014
Operators Manual HBK-4001-1 Issue 4	Nov.2014
Operators Manual HBK-4001-2 Issue 4	Nov.2014
GL EC Certificate Type Examination (Module B) 59 861 – 13 HH	01.Feb.2013
GL EC Certificate of Conformity Quality System (Module D) 59 862 – 13 HH	01.Feb.2013
MCA MED Module B Certificate BABT-MED001078 Issue 2	24.Jul.2014
EMRI Certificate of Conformity EC Identification No.: 0098	06.Feb.2013
BV BS EN ISO 9001:2008 certification	16.Nov.2012

TEST REPORTS

Kelvin Hughes Track Control Approval Test Specification & Test Report KSD 5984 Issue 2	20.Oct.2014
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CONDITIONS OF CERTIFICATION

1. Production items of the subject equipment are to be manufactured in accordance with either an approved Production Quality Assurance system (Module D), a Product-Quality assurance system (Module E) or a Product Verification Process (Module F). The wheelmark cannot be affixed to the product until a conformity assessment module is in place.
2. This product has been assigned a **U.S. Coast Guard Module B number USCG Approval Category 165.112/EC0038** to note type approval to Module B only as it pertains to obtaining U. S. Coast Guard approval as allowed by the "Corrigendum to Council Decision 2004/425/EC of 21 April 2004 on the conclusion of an Agreement between the European Community and the United States of America on the mutual recognition of certificates of conformity for marine equipment".

In those instances where the Notified Body conducting the conformity assessment in accordance with either Module D, E or F of the Marine Equipment Directive is not Lloyd's Register Verification Ltd., such Notified Body would use the above U.S. Coast Guard Module B number to provide the manufacturer with the U.S. Coast Guard approval number by noting it on the Certificate of Conformity, thereby authorizing the manufacturer to mark the product accordingly.

Note: For products placed on board U.S. flagged ships there is no declaration of conformity required to meet U.S. Coast Guard requirements.

3. Each item, batch or lot of the equipment is to be issued with a "Declaration of Conformity" and have the "Mark of Conformity" affixed after a conformity assessment module is in place.



Lloyd's Register

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PLACE OF PRODUCTION

Kelvin Hughes Ltd.

Voltage

Mollison Avenue
Enfield, EM3 7XQ



P.A. Huntley - Huntley-Hawkins
London Office
Lloyd's Register Verification Limited

P.A. Huntley-Hawkins
For and on behalf of Lloyd's Register Verification
LRV EC Distinguishing No. 0038