



Bundesrepublik Deutschland

Federal Republic of Germany

BSH-Cert

Benannte Stelle – Navigations- und Funkausrüstung
beim Bundesamt für Seeschifffahrt und Hydrographie
Notified Body – Navigation and Radiocommunication Equipment
at the Federal Maritime and Hydrographic Agency



NOTIFIED
BODY
0735

EC TYPE EXAMINATION (MODULE B) CERTIFICATE

This is to certify that:

BSH-Cert, specified as a "notified body" under the terms of „Schiffssicherheitsgesetz“ of 09 September 1998 (BGBl. I, p. 2860) modified last 23 January 2014 (BGBl. I, p. 78), did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the Navigation requirements of Marine Equipment Directive (MED) 96/98/EC and the last modification by Directive 2015/559/EU.

Manufacturer **Orolia Ltd.**
 Address **Silver Point, Airport Service Road, Portsmouth, PO3 5PB, United Kingdom**

Applicant **Orolia Ltd.**
 Address **Silver Point, Airport Service Road, Portsmouth, PO3 5PB, United Kingdom**

Annex A.1 Item (No & item designation) **4.32 Universal automatic identification system equipment (AIS)**

Product Name **Type: Z601**

Trade Name(s) **McMurdo Smartfind M5**

Specified Standard(s)

IMO Resolution A.694(17)	IEC 61993-2 Ed.2.0, 2012
IMO Resolution MSC.74(69) Annex 3	IEC 61108-1 Ed.2.0, 2003
IMO Resolution MSC.191(79)	IEC 60945 Ed.4.0, 2002 incl. Corr. 1, 2008
ITU-R M.1371-5 (Class A), 2015	IEC 61162-1 Ed.4.0, 2010
ITU-R M.825-3, 1998	IEC 61162-2 Ed.1.0, 1998
ITU-R M.1084-5, 2012	IEC 62288 Ed.2.0, 2014

Based on the Directive 2014/93/EU, additional applied version: Directive 2015/559/EU

This certificate remains valid unless cancelled, expired or revoked.

Date of issue: **16 November 2015**

Issued by: **BSH-Cert**

Bernhard-Nocht-Str. 78, 20359 Hamburg, Germany

Expiry date: **15 November 2020**

Notified body 0735

Certificate No.: **4581/001/4322775/15**

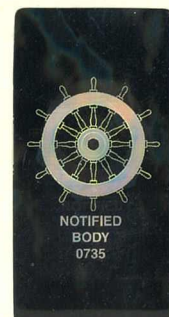
USCG-Module-B No.: **165.155/EC0735**

Unique Identifier: **4322775**

This certificate consists of 2 pages.



Kai-Jens Schulz-Reifer



Components necessary for operation:

Component	Part no.	Remarks
Class A AIS Transponder Unit	Z601	Software version: 1.0.6.XX
Junction Box Unit	JB-712	
Extension Cable	EC-713	
GPS Antenna	ANT-21	
VHF Antenna	ANT-11	or equivalent

Optional Components:

Component	Part no.	Remarks
Pilot Plug Unit	PP-714	

Approval Documentation:

Test Report No.: BSH/46121/4322163/13-1 (IEC 61993-2 Section 14, 16-21))
 Test Report No.: BSH/4612/4322163/12-2 (IEC 61108-1)
 Test Report No.: BSH/46121/4322163/13-3 (IEC 62288)
 Test Report No.: BSH/46121/4322163/13-4 (IEC 61993-2 Section 15)
 Test Report No.: BSH/46121/4322163/13-6 (IEC 60945 Section 6, 11.1, 13-15)
 Test Report No.: BSH/4543/001/4322868/14 (IEC 62288 Ed.2, IEC 61993-2)

McMurdo Smartfind M5 AIS Class A Installation and Operation Manual

Places of production:

Limitations on the acceptance or use of the product:

Notes:

The manufacturer shall inform BSH-Cert, as the notified body, of any modifications to the type-tested product(s) that may affect compliance with the requirements or conditions laid down for use of the product(s).

In case the specified regulations or standards are amended during the validity of this certificate, the product(s) must be re-certified before being placed on board vessels to which such amended regulations or standards apply.

The Mark of Conformity (wheelmark) may only be affixed to the type approved equipment, and a Manufacturer's Declaration of Conformity may only be issued, if the product quality system fully complies with the Marine Equipment Directive and is certified by a notified body against ANNEX B module D, E, or F of the Directive.

U.S. Coast Guard Approval

This product has been assigned a U.S. Coast Guard Module B number (165.xxx/EC0735/Unique Identifier [if other than EC 0735: /Number of the notified body which certifies the quality assurance system]) to note type approval to Module B only as it pertains to obtaining U.S. Coast Guard approval as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Maritime Equipment" signed February 27th, 2004, and additional information given by U.S. Coast Guard by E-Mail 2010.

The AIS radio transmitter is required to be authorized by U.S. Federal Communications Commission (FCC)

Notice on legal remedies available:

Objection to this document may be filed within one month after notification. The objection must be filed in writing to, or put on record at, Federal Maritime and Hydrographic Agency, Bernhard-Nocht-Str. 78, 20359 Hamburg, Germany