# EU-TYPE EXAMINATION (MODULE B) CERTIFICATE

## Radio Equipment Directive (RED) 2014/53/EU

### NMi TESTLAB

**Notified Body Number 0700**

Recognised by Bundesnetzagentur

BNetzA-bS-02/51-55

This is to certify that:
NMi TESTLAB did undertake the relevant type examination procedures for the radio equipment identified below which was found to be in compliance with the essential requirements of Radio Equipment Directive (RED) 2014/53/EU subject to any conditions in the annex attached hereto.

| | |
|---|---|
| Certificate No. | 26-111086 - 26-122553a |
| Manufacturer | Alltek Marine Electronics Corp. |
| Address | 14F-2, No. 237, Sec. 1, Datong Rd.,<br>Xizhi Dist., New Taipei City 22161, Taiwan |
| Product Description | AIS Receiver / AIS Receiver with Splitter |
| Brand Name / Model Name | McMurdo SmartFind M15 & M15S<br>Type Z604 & Z605 |

**Scope of examination and assessment results**

| | |
|---|---|
| Article 3.1 a) Health and Safety | **Conform** |
| Article 3.1 b) Electromagnetic Compatibility | **Conform** |
| Article 3.2 Effective and Efficient Use of Radio Spectrum | **Conform** |
| Article 3.3 Additional Essential Requirements<br>Article 3.3 (d) Network protection<br>Article 3.3 (e) Protection of personal data and privacy<br>Article 3.3 (f) Protection from fraud<br>Article 3.3 (g) Access to emergency services | **Not applicable** |
| Article 3.4 Common Charger | **Not applicable** |

Date of issue: **2026-09-10** Expiry date: **2031-09-09**

This certificate remains valid unless cancelled or revoked, provided the conditions in the attached annex are complied with. The conditions for the validity of this certificate are listed in the Annex.
This version of the certificate replaces the EU-Type Examination 26-111086 - 26-122553, which is hereby withdrawn.

The attached Annex forms part of this certificate. This certificate consists of 3 pages.

NOTIFIED BODY NMi TESTLAB NMi TESTLAB GmbH, Germany

André van den Bosch
06.11.2026

Signed by Andre van den Bosch
Notified Body

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NMi TESTLAB GmbH
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# Annex

**Technical description**

| | |
|---|---|
| Frequency Range | 161.975 MHz and 162.025 MHz (AIS 1 and AIS 2) |
| Transmit Power | Not applicable, receive-only |
| Channel Bandwidth | 25 kHz |
| Hardware Version | M-PCB-B100RXSBV02 |
| Software Version | V1.10 |
| Firmware Version | -15°C to +55°C |

**System Components**

| | |
|---|---|
| Main Unit | AMEC CYPHO-150 and CYPHO-150S |
| | CYPHO-150S with integrated antenna splitter |
| VHF antenna | External, SO-239 female connector |

**Optional Components**

| | |
|---|---|
| --- | --- |

**Approval documentation**

| | |
|---|---|
| External / Internal Photos | External and Internal Photos of CYPHO-150S, 3 pages |
| Instruction Manual | Smartfind M15 Manual_21-335-001 Issue 10 |
| Block Diagram | Block Diagram of CYPHO-150S, 2 pages |
| Circuit Diagram | M-PCB-B100LEDBV3, V1, 2016-05-16<br>M-PCB-B100RXSBV2_Final_20211110, V4, 8 pages, 2021-11-10 |
| Operational Description | OD_CYPHO-150S_2026_0416, 7 pages, 2026-04_16 |
| PCB Layout and Parts Placement | PCB layout_LED, 1 page<br>PCB layout_MB with Splitter, 8 pages |
| EU Declaration of Conformity | Declaration of EU Conformity for McMurdo M15 Series, 1 page, 2026-08-07 |
| Explanation of compliance Article 10(2) and Article 10(10) | Declaration of compliance with Article 10(2) & Article 10(10), 2026-08-07; Receive-only, no restrictions |
| Further Documents | Based on EU-Type Examination Certificates 26-110513-26-121145, issued by the Notified Body PHOENIX TESTLAB GmbH |
| | Waiver Document AIS Receiver CYPHO-150, CYPHO-150S |
| | Product Label M15/M15S |
| | Risk Assessment McMurdo M15 Series |
| | Technical Justification for Reuse Test Report F171448E1 |

**Applied Standards and Test Reports**

| Specification | Laboratory | Test Report Number / Version |
|---|---|---|
| IEC 62368-1:2018/COR1:2020<br>EN 62368-1:2020+A11:2020 | Global Certification | L612802 |
| IEC 60945:2002<br>+ Corrigendum 1:2008<br>Clause 9 and 10<br>EMC tests | Compliance Certification Services Inc. | T160416W03-E |
| IEC 62287-1:Edition 3<br>Clause 11, Physical radio tests | PHOENIX TESTLAB GmbH | F171448E1<br>Technical Justification for Reuse Test Report F171448E1 |
| IEC 60945:2002<br>+ Corrigendum 1:2008<br>Clause 8.12, Corrosion | IST | HS1303150050A-2 |
| IEC 60945:2002<br>+ Corrigendum 1:2008<br>Clause 11.2 Compass safe distance | BSH | Certificate No. 814 |

**Limitations / Restrictions**

Device does not transmit AIS messages and is only for use in recreational vessels, small commercial, leisure and fishing boats etc.

**Notes**

1. This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with NMi TESTLAB.

2. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/them being placed on the market.

3. The manufacturer shall take all measures necessary so that the manufacturing process and its monitoring ensure conformity of the manufactured radio equipment with the approved type described in the EU-type examination certificate and with the requirements of Directive 2014/53/EU that apply to it.

4. CE The manufacturer shall affix the CE marking to each item of radio equipment that is in conformity with the type described in the EU-type examination certificate and satisfies the applicable requirements of the Directive.

5. The manufacturer shall draw up a written EU declaration of conformity for each radio equipment type and keep it at the disposal of the national authorities for 10 years after the radio equipment has been placed on the market. The EU declaration of conformity shall identify the radio equipment type for which it has been drawn up. A copy of the EU declaration of conformity shall be made available to the relevant authorities upon request.