EC TYPE-EXAMINATION (MODULE B) CERTIFICATE

Marine Equipment Directive (MED) 2014/90/EU

PHOENIX TESTLAB

Notified Body Number 0700

Recognised by BUNDESAMT FÜR SEESCHIFFFAHRT UND HYDROGRAPHIE **0800S11/4822/007**

This is to certify that:
PHOENIX TESTLAB did undertake the relevant type approval procedures for the type of equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 2014/90/EU, subject to any conditions in the schedule attached hereto.

Certificate No.	PTL-MED-B-23-110558 - 23-121206
Manufacturer **Address**	Alltek Marine Electronics Corp. 14F-2, No. 237, Sec. 1, Datong Rd., Xizhi District New Taipei City 22161, Taiwan, R.O.C.
Authorised Representative **Address**	SVB Spezialversand für Yacht- und Bootszubehör GmbH Gelsenkirchener Str. 25-27 28199 Bremen, Germany
Directive Reference **(No & Item designation)**	Directive 2014/90/EU, Regulation (EU) 2022/1157 MED/4.32 Universal automatic identification system equipment (AIS)
Product Description	Automatic Identification System (AIS)
Product Name / Trade Name	AMEC WideLink A750 / A750

Regulation SOLAS 74, as amended
Regulations V/18, V/19, X/3, IMO Res. A.694(17), IMO Res. MSC.36(63), IMO Res. MSC.97(73), IMO Res. MSC.74(69), IMO Res. MSC.191(79), IMO Res. MSC.302(87), ITU-R M.1371-5 (02/2014)

Testing Standards

IEC 60945 Ed. 4.0 (2002) incl. Corr. 1 (2008)	IEC 61108-1 (2003)
IEC 61162-1 Ed. 5.0 (2016)	IEC 62288 Ed. 3.0 (2021)
IEC 61162-2 Ed. 1.0 (1998)	IEC 62923-1 Ed. 1.0 (2018)
IEC 61162-450 Ed. 2.0 (2018)	IEC 62923-2 Ed. 1.0 (2018)
IEC 61993-2 Ed. 3.0 (2018)	

Date of issue: **2023-04-20** Expiry date: **2028-04-19**
USCG Approval Category: **165.155**

This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with.

Klaus Knörig
20.04.2023

The attached Schedule of Approval forms part of this certificate. This certificate consists of 4 pages.

Signed by Klaus Knörig
Notified Body

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Schedule of Approval

System Components

Component	Part No.	Remarks
Class A AIS Transponder Unit	A750	Software Version V2
Junction Box Unit	JB-712	-
Extension Cable	EC-713	-
GPS Antenna	GA-25	-
VHF Antenna	ANT-11	Or equivalent VHF antenna

Optional Components

Component	Part No.	Remarks
Pilot Plug Unit	PP-714	-

Approval documentation

Block Diagram	Block Diagram of A750 AIS Class A Transponder, Issue 1.1, 2023-04-06
Circuit Diagrams	Schematic DCB, Document No. M-PCB-A750DCBV3, V3, 2022-10-13 Schematic MB, Document No. M-PCB-A750MBV3, V3, 2022-10-13 Schematic Power, Document No. M-PCB-A750PWR-V1, V1, 2022-10-12 Schematic SD, Document No. M-PCB-A750SDV1, V1, 2022-10-13 Schematic USB, Document No. M-PCB-A750USBV1, V1, 2022-10-13
PCB Layout and Parts Placement	PCB layout DCB, PCB layout MB, PCB layout Power, PCB layout SD, PCB layout USB
Parts List	Parts list DCB, Parts list MB, Parts list Power, Parts list SD, Parts list USB
Label	A750 label drawing
Declaration letters	EU representative authorization letter IEC 60945 Software development
Waiver letter IEC 60945	Waiver Document of A750 AIS Class A Transponder, Issue 1.0, 2023-03-21
Datasheet	M-ASM-PAN-AM-480272MGTZQW-05H, Specification for LCD Module
Installation and Operation Manual	A750 AIS Class A / Inland AIS, Installation and Operation Manual, Ed. 1.4
Risk Assessment	Risk Assessment of A750 / WideLink A750 AIS Class A Transponder

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Applied Standards and Test Reports

Specification	Laboratory	Test Report Number / Version
IEC 60945 Ed. 4.0 (2002) incl. Corr. 1 (2008) Sections 5.2.3, 9, 10, 12.2	DEKRA	2210620R-E3012100074-A, 2022-07-06
IEC 60945 Ed. 4.0 (2002) incl. Corr. 1 (2008) Sections 8.2, 8.3, 8.4	SGS	HCO0112A/2021, 2021-12-14
IEC 60945 Ed. 4.0 (2002) incl. Corr. 1 (2008) Section 8.7	SGS	HCO0046B/2021, 2021-12-14
IEC 60945 Ed. 4.0 (2002) incl. Corr. 1 (2008) Section 8.7	SGS	HC20023A, 2013-03-20
IEC 60945 Ed. 4.0 (2002) incl. Corr. 1 (2008) Section 8.12	ETC	21-11-EAT-053-E03, 2022-04-07
IEC 60945 Ed. 4.0 (2002) incl. Corr. 1 (2008) Section 11.2, Compass safe distance	BSH	Certificate No. 1103a, 2022-01-05
IEC 60945 Ed. 4.0 (2002) incl. Corr. 1 (2008) Section 12.1	SGS	HCO0046A/2021, 2021-11-08
IEC 60945 Ed. 4.0 (2002) incl. Corr. 1 (2008) Sections 8.2, 8.3, 8.4, 8.7	SGS	HC70065E/2021, 2021-12-14
IEC 60945 Ed. 4.0 (2002) incl. Corr. 1 (2008) Sections 8.8	SGS	HC70065C/2021, 2021-09-07
IEC 60945 Ed. 4.0 (2002) incl. Corr. 1 (2008) Section 8.12	ETC	21-11-EAT-053-E02, 2022-04-07
IEC 61993-2 Ed. 3.0 (2018-07)	BSH	BSH/454.AIS-A/AMEC A750/1, 2022-10-06
IEC 61993-2 Ed. 3.0 (2018-07)	PHOENIX TESTLAB	F220214E1, 2022-04-22
IEC 61162-1 Ed. 5.0 (2016) IEC 61162-2 (1998)	BSH	BSH/454.AIS-A/AMEC A750/1, 2022-10-06
IEC 61162-450 Ed. 2.0 (2018)	BSH	BSH/454.AIS-A/AMEC A750/1_b, 2023-03-08
IEC 62288 Ed. 3.0 (2021) IEC 60945 Ed.4 (2002) Sections 6.1, 6.2	BSH	BSH/454.AIS-A/AMEC A750/1_e, 2023-03-21
IEC 62923-1 Ed. 1.0 (2018) IEC 62923-2 Ed. 1.0 (2018)	BSH	BSH/454.AIS-A/AMEC A750/1_c, 2022-09-28
IEC 61108-1 Ed. 2.0 (2003)	BSH	BSH/454.GNSS/AMEC WL A750, 2021-12-10

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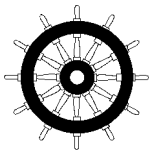
Limitations / Restrictions

- None -

Notes

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

2. During the period of validity of this certificate the applicable regulations (international conventions and the relevant resolutions and circulars of the IMO) and testing standards of the Commission Implementing Regulation may change, therefore the product conformity may need to be re-assessed by the Notified Body.

3. 

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-control phase module (D, E, or F) of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.

U.S. Coast Guard Approval

This equipment is covered by the scope of 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 and amended by Decision No.1/2008 dated February 18th, 2019 according to U.S. Coast Guard approval category 165.155.

A 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 MRA.

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

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