

Expertise

Expert Opinion of the Notified Body on the Conformity Assessment
according to Article 10.5 of R&TTE Directive 1999/5/EC

PHOENIX TESTLAB
EU Identification Number **0700**

Recognised by  Bundesnetzagentur

BNetzA-bS-02/51-55

Expertise No.	10-113705b
Certificate Holder	Alltek Marine Electronics Corp.
Address	7F, No.605, Ruei Guang Rd., Neihu, Taipei Taiwan, R.O.C. 114
Product Description	Class B AIS Transponder with LCD Display
Brand Name / Model Name	AMEC / CAMINO-201
Frequency Range	156.024835 - 162.025195 MHz 1575.42 MHz 2401.68 - 2480.58 MHz
Transmitted Power	34.6 dBm (conducted) -3.75 dBm EIRP

Opinion on the Essential Requirements

Article 3.1a): Health and Safety	No remarks
Article 3.1b): Electromagnetic Compatibility	No remarks
Article 3.2: Effective Use of the Radio Spectrum	No remarks
Article 3.3: Additional Maritime Requirements	No remarks

CE-marking

Marking Example (Class 2) **CE 0700** 

This certificate is issued in accordance with the Directive 1999/5/EC of the European Parliament and the Council on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity dated 9th March 1999 and is only valid in conjunction with the following annex (3 pages).

Blomberg, 21 January 2011

Place, Date of Issue



W. Koesters

Signed by Wolfgang Koesters
Notified Body

Technical Construction File (TCF):

Description

User Manual: AMEC_CAMINO-201_Eng_manual_20101028_V1.51.pdf, 92 pages, --
Operational Description: TCF-CAMINO-201 as of Nov 22nd 2010 with Remarks (12-08), 10 pages, --

Manufacturing Documents

Block Diagram: CAMINO-201_Functional Block, 4 pages, --
Circuit Diagram: AISB_CTL_Schematic, 13 pages, Oct14, 2009
AISB_DCB_Schematic, 11 pages, Oct16, 2009
AISB_Keypad_Schematic, 1 page, Nov22, 2010
AISB_LED_Schematic, 1 page, Nov22, 2010
AISB_PWR_Schematic, 3 pages, Jan19, 2010
AISB_RF_Schematic 091211, 11 pages, Dec11, 2009

Parts Placement: CTL01P53 Layout, 13 pages, 2009-09-14
DCB Layout, 13 pages, 2009-11-13
Keypad Layout, 8 pages, --
LED02P52 Layout, 7 pages, --
PWR Layout, 6 pages, --
RF layout 100106, 7 pages, --

PCB-Layout: CTL01P53 Layout, 13 pages, 2009-09-14
DCB Layout, 13 pages, 2009-11-13
Keypad Layout, 8 pages, --
LED02P52 Layout, 7 pages, --
PWR Layout, 6 pages, --
RF layout 100106, 7 pages, --

Parts List: AISB_CTL_Part List, 2 pages, --
AISB_DCB_Part List, 2 pages, --
AISB_Keypad_Part List, 1 page, --
AISB_LED_Part List, 1 page, --
AISB_PWR_Part List, 2 pages, --
AISB_RF_Part List, 3 pages, 2008/10/27

Hardware Version: M-PCB-AISPF03P51
M-PCB-AISCTL01P52
M-PCB-AISDCBV2
M-PCB-AISPOVV3

Software Version: Version S7SE 2.7.1



Applied Standards and Test Reports

Specification	Laboratory	Test Report Number
EN 60950-1: 2006 + A11: 2009	QuieTek Corporation	SN1007018
EN 62311: 2008	QuieTek Corporation	105024R-HPCEP03V01
IEC 60945: 2002	QuieTek Corporation	105024S-CUSTOM
EN 300 440-1 V1.4.1	QuieTek Corporation	105024R-RFCEP71V01
EN 300 440-2 V1.2.1		
EN 301 489-17 V2.1.1	QuieTek Corporation	10C194R-RFCEP76V01
EN 301 489-1 V1.8.1		
EN 301 489-3 V1.4.1	QuieTek Corporation	10C194R-RFCEP77V01
EN 301 489-1 V1.8.1		
IEC 60945: 2002	PHOENIX TESTLAB	F100511E1
EN 301 843-1 V1.2.1	QuieTek Corporation	105024R-RFCEP03V01
EN 301 843-2 V1.2.1		
IEC 62287-1: 2006	PHOENIX TESTLAB	F092025E3
IEC 62287-1: 2006	PHOENIX TESTLAB	F101823E1
EN 300 328 V1.7.1: 2006	QuieTek Corporation	105024R-RFCEP14V01
IEC 61108-1: 2003	BSH Hamburg	BSH/46162/4321297/09
IEC 62287-1: Sections 10,12,13 Annex C.3	BSH Hamburg	BSH/46162/4321297/10-1
IEC 62287-1: Section 10	BSH Hamburg	BSH/46162/4321686/10-1

Further Documents

EN 60950-1 Modules Test Data, QuieTek Corporation, 2 pages, --



Opinion on the Essential Requirements:

The basis of this Expertise is the Technical Construction File (TCF). If the TCF includes test reports issued by laboratories accredited to the standard ISO/IEC 17025, the test results of these reports are considered as a basis for the conformity assessment of the Notified Body.

Article 3.1a): Health and Safety:

- Conform

Article 3.1b): Electromagnetic Compatibility:

- Conform

Article 3.2: Effective Use of the Radio Spectrum:

- Conform

Article 3.3: Additional Maritime Requirements:

- Conform

General Remarks:

- Before putting a product on the market which uses non harmonised frequencies (Class 2) the national authorities of the member states have to be notified.
- This conformity assessment is limited to the essential requirements of the R&TTE Directive. Only products fulfilling all essential requirements of all applicable new approach directives may be placed on the market and put into service. Products in compliance with all provisions of the applicable directives providing for the CE marking must bear this marking.