



Danmark

Annex to Marine Equipment Directive Module B Type Examination Certificate

1 Equipment Description

Shipborne Electronic Chart Display and Information System (ECDIS).

1.1 Models

Model
JAN-7201S

1.1.1 System Components

Model	Description
NWZ-214 or NWZ-207	19" Colour LCD Monitor
NDC-1590E or NDC-1590AE	Central Control Unit
NCE-5605	Trackball Operation Unit
NBD-913	Power Supply Unit

1.1.2 Optional Components

Model	Description
NCE-5625	Keyboard Operation Unit (OPU)
CWB-1594	19" Desktop Frame
CWB-1596	OPU Desktop Frame
CWB-1659	19" Monitor Desktop Frame
NQE-1143	Junction Box
NQA-2443 or NQA-2443A	Sensor LAN Switch Unit

1.1.3 Software^{Note 1}

Identity	Description
Application	09.40



Danmark

Annex to Marine Equipment Directive Module B Type Examination Certificate

2 Assessed Requirements

2.1 Implementing Regulation (EU)2019/1397

2.2 Compliance Requirements for MED/4.30^{Note 4&5}

IMO Resolutions	International Testing Standards	
Resolution MSC.232(82) MSC.1/Circ.1503 Rev.1 *	IEC 61174:2015	Maritime navigation and radiocommunication equipment and systems - Electronic chart display and information system (ECDIS)
		IHO Publication S-64 Edition 3.0.1
Resolution MSC.191(79) Resolution MSC.302(87)	IEC 62288:2014	Presentation of navigation-related information
Resolution A694(17)	IEC 60945:2002	General Requirements for Marine Navigation Equipment (Inc. Corr1:2008)
	IEC 61162-1:2016	Digital Interfaces – Part 1 Single talker
	IEC 61162-2:1998	Digital Interfaces – Part 2 High Speed interface
	IEC 61162-450:2011 + Am 1 (2016)	Digital Interfaces – Part 450 Ethernet Interface
* IMO MSC.1/Circ.1503 Rev.1 (revoking IMO SN.1/Circ.266), ECDIS Guidance for Good Practice		

3 Technical Documentation

3.1 Declaration of Conformity

MED-DoC-JAN-7201S Dated 2019-12-19

3.2 User Guide

JAN-7201S/9201S Simple ECDIS Instruction Manual (Operation), 7ZPNA4648E	Modified	2020-01-15
JAN-7201S/9201S Simple ECDIS Instruction Manual (Reference), 7ZPNA4659E	Modified	2020-01-15
JAN-7201S/9201S Simple ECDIS Instruction Manual (Function), 7ZPNA4657D	Modified	2019-06-14
Marine Radar Equipment/ECDIS/Conning Display Installation Manual 7ZPNA4653-3	Modified	2020-01-15

3.3 Test Reports

IEC 61174 (2015)	75924108 Report 01 Issue 2, 2014-02-27
	Performance compliance testing PL4.0, 2016-06-30
	75937370 Report 03 Issue 2, 2017-06-05
IEC 60945 (2002) inc. Corr. 1	75923142 Report 03 Issue 2, 2014-01-21
	75923142 Report 04 Issue 2, 2014-01-29
	IEC60945.Corrosion.Test.Report, 2013-12-24
	13-325(E), 2013-10-15
	Z071C-13420, 2013-12-11
	75924011 Report 01 Issue 1, 2014-04-11
	75937370 Report 04 Issue 2, 2017-09-29
	75937370 Report 05 Issue 2, 2017-09-15
	17-060(E), 2017-04-28
	JPX-TR-17101-0, 2017-05-18
	WW-000001398, 2015-03-06
	19-354E, 2019-11-12
	19-348E, 2019-11-12
	JPX-TR-19268-0, 2019-08-23



Danmark

Annex to Marine Equipment Directive Module B Type Examination Certificate

Test Reports - continued

IEC 62288 (2014)	75924108 Report 01 Issue 2, 2014-02-27
	75924108 Report 02 Issue 1, 2014-02-25
	75924011 Report 01 Issue 1, 2014-04-11
	75940495 Report 02 Issue 1, 2018-03-09
	Evaluation of LCD Monitor Rev 1.0, 2013-10-04
IEC 61162 Series:	75924108 Report 01 Issue 2, 2014-02-27
	75924011 Report 01 Issue 1, 2014-04-11
	Declaration of conformity to IEC 61162-1/2, 2014-02-28
	NA19AS0425B, 2019-05-09
	75937370 Report 03 Issue 2, 2017-06-05
	NA19AS0425A, 2019-05-09
	75923142 Report 03 Issue 2, 2014-01-21
WW-000001056, 2014-05-16	

3.5 Build Status - Hardware

Marine Radar Equipment/ECDIS/Conning Display Installation Manual 7ZPNA4466K Modified		2019-11-05
Parts List:		
Parts List_Display Unit.xls	Dated	2013-12-06
06Parts List_Display Unit.xls	Dated	2017-07-12
NBD-913_PartsList.pdf	Dated	2013-08-29

3.6 Notes

- Note 1 This approval remains valid for equipment including subsequent minor software amendments (Maintenance No. 09.40.001 or later) which have been formally accepted in accordance with the Testing and Certification Regulations of TÜV SÜD.
- Note 2 May form a back-up ECDIS (via Ethernet link) with second JAN-9201/JAN-7201 ECDIS running software as listed above.
- Note 3 In respect of RCDS operation this Type Approval is valid for HCRF format RNC data only.
- Note 4 The JAN-7201S follows the general requirements of IMO Resolution MSC.302(87), Module C, and the alert requirements of IEC 62288 Edition 2. An Alert Management System licensing option is available which is outside of the scope of this certificate.
- Note 5 (EU)2019/1397 gives a last placing on board date of 29/08/2021 for equipment approved against the test standards listed above. See Conditions of Validity.

4 Additional Information

The products listed on this certificate were originally assessed and certified by TUV SUD BAPT under Notified Body number 0168. This certificate replaces TUV SUD BAPT Certificate Number BAPT-MED000105 Issue 06.

5 U.S. Coast Guard Number

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

165.123/EC2443 (ECDIS)
165.124/EC2443 (ECDIS Back-Up)

To note type approval to Module B only as it pertains to obtaining US Coastguard approval as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" signed February 18th, 2019



Danmark

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6 Conditions of Validity

This certificate ceases to be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with TÜV SÜD Danmark or a person appointed by TÜV SÜD Danmark to perform that role.

Should the specified regulations (international conventions and the relevant resolutions and circulars of the IMO) or the testing standards be amended and enforced through an Implementing Regulation during the period of validity of this certificate, the product(s) is/are to be re-approved prior to it/them being placed on the market or onboard vessels to which the amended regulations or standards apply.

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 Annex B of the directive is fully complied with and controlled by a written inspection agreement with a notified body.

Signature: T. J. Twynam Date: 2020-01-23
Print Name: Tom Twynam
On behalf of TÜV SÜD Danmark