

Annex to Marine Equipment Directive Module B Type Examination Certificate



Danmark

1 Equipment Description

VHF Marine Transceiver.

1.1 Models

1.1.1 System Components

Model	Description
GM600	VHF Transceiver
HS-98	Handset
PS-310	12-24 DC/DC Power Supply

2 Assessed Requirements

2.1 Implementing Regulation (EU)2021/1158

2.2 Compliance Requirements for MED/5.1 Note 2

IMO Resolutions	International Testing Standards	
IMO Res. A.385(X) IMO Res. A.524(13) IMO Res. A.694(17) IMO Res. A.803(19) IMO Res. MSC.302(87) IMO MSC/Circ.862	EN 60945 (2002) incl. IEC 60945 Corr. 1 (2008)	Maritime navigation and radiocommunication equipment and systems — General requirements
IMO MSC.1/Circ.1460 ITU-R M.489-2 (10/95) ITU-R M.493-14 (09/15) ITU-R M.541-10 (10/15)	EN 61162-1 (2016)	Maritime navigation and radiocommunication equipment and systems — Digital interfaces - Part 1: Single talker and multiple listeners
	ETSI EN 300 338-1 V1.4.1 (2017-02)	Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service; Part 1: Common requirements
	ETSI EN 300 338-2 V1.4.1 (2017-02)	Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service; Part 2: Class A/B DSC
	ETSI EN 301 843-2 V2.2.1 (2017-11)	ElectroMagnetic Compatibility (EMC) standard for marine radio equipment and services; Harmonised Standard for electromagnetic compatibility; Part 2: Specific conditions for VHF radiotelephone transmitters and receivers
	ETSI EN 301 925 V1.5.1 (2017-10)	Radiotelephone transmitters and receivers for the maritime mobile service operating in VHF bands; Technical characteristics and methods of measurement
	IEC 62923-1 (2018)	Maritime navigation and radiocommunication equipment and systems – Bridge alert management – Part 1: Operational and performance requirements
	IEC 62923-2 (2018)	Maritime navigation and radiocommunication equipment and systems – Bridge alert management – Part 2: Alert and cluster identifiers and other additional features



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3 Technical Documentation

3.1 Declaration of Conformity

GM600 Declaration of Conformity Modified 2022-01-18

3.2 User Guide

GM600 Instruction Manual, A-7239H-5EU Modified 2021-10-06

3.3 Test Reports

3.3.1 EN 60945 (2002) incl. IEC 60945 Corr.1 (2008)

75931395 Report 01 Issue 1 Issued 2016-08-09
75931395 Report 02 Issue 1 Issued 2016-08-23
75931395 Report 07 Issue 2 Issued 2016-10-07
GM600 Update Document Issue 04 Issued 2022-02-24

3.3.2 ETSI EN 300 338-1 V1.4.1 (2017-02) & ETSI EN 300 338-2 V1.4.1 (2017-02)

75931395 Report 04 Issue 2 Issued 2016-11-02
75931395 Report 01 Issue 1 Issued 2018-08-09
GM600 Update Document Issue 04 Issued 2022-02-24

3.3.3 ETSI EN 301 843-2 V2.2.1 (2017-11)

75931395 Report 02 Issue 1 Issued 2016-08-23
GM600 Update Document Issue 04 Issued 2022-02-24

3.3.4 ETSI EN 301 925 V1.5.1 (2017-10)

75931395 Report 06 Issue 1 Issued 2016-08-09
75931395 Report 03 Issue 2 Issued 2016-11-02
GM600 Update Document Issue 04 Issued 2022-02-24

3.3.5 EN 61162-1 (2016)

75931395 Report 05 Issue 1 Issued 2016-08-05
GM600 Update Document Issue 04 Issued 2022-02-24

3.3.6 IEC 62923-1 (2018) & IEC 62923-2 (2018)

75952602 Report 01 Issue 3 Issued 2022-03-08
75952602 Report 02 Issue 1 Issued 2022-01-12

3.4 Build Status

3.4.1 Hardware

Overall Build Level Issue 1.006
Schematic.pdf Dated 2016-08-31
Parts_List.pdf Dated 2016-09-02

3.4.2 Software

Issue 1.304



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3.5 Notes

- Note 1 This approval remains valid for equipment including subsequent minor software amendments which have been formally accepted in accordance with the TÜV SÜD Testing and Certification Regulations.
- Note 2 (EU)2021/1158 gives a last placing on board date of 12/08/2023 for equipment approved against the test standards listed above. See Conditions of Validity.

4 Conditions of Validity

This certificate ceases to 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 TÜV SÜD DANMARK ApS or a person appointed by TÜV SÜD DANMARK ApS to perform that role.

During the period of validity of this certificate the applicable regulations (international conventions and 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 TÜV SÜD DANMARK ApS.

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.

Signature: 

(Thomas J. Twynam)

Date: 2022-03-10

On behalf of TÜV SÜD DANMARK ApS