



Danmark

Marine Equipment Directive **EC Type Examination Module B Certificate**

This is to certify that TÜV SÜD DANMARK ApS did undertake the relevant type approval procedures for the equipment identified below, which was found to be in compliance with the Marine Equipment Directive (2014/90/EU) requirements, under the following Implementing Regulation for the listed types of equipment

Implementing Regulation	(EU)2025/1533
Certificate Holder and Manufacturer	McMurdo Limited Holbrook Court E1 Cumberland Business Centre Northumberland Road Southsea PO15 1DS United Kingdom
EC Representative	Netwave Systems BV Blauw-roodlaan 100 2718 SJ Zoetermeer The Netherlands
Product(s)	Z712
Product Sector	Radiocommunications Equipment
Product Type	MED/5.6 406 MHz EPIRB (COSPAS-SARSAT)

and on the basis of the Technical Data and information detailed in the Annex to this certificate.

Valid from: 27 November 2025

M. B. Bower

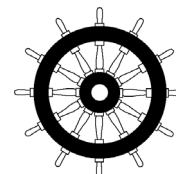
(Michael Bower)

Expiry Date: 26 November 2030

This certificate has been issued in accordance with the TÜV SÜD Testing, Certification Validation and Verification Regulations and constitutes page 1 of the combined Certificate and Annex.

The Conditions for the validity of this certificate are listed in the Annex.

For further details, related to this certification please contact BABT@tuvsud.com



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Annex to Marine Equipment Directive Module B Type Examination Certificate

1 Equipment Description

Emergency Position Indicating Radio Beacon with AIS (Class 2)

1.1 Models

Model
Z712 McMurdo SMARTFIND G8 PLUS AIS EPIRB
Z712 Kannad Marine SAFEPRO PLUS AIS EPIRB
Z712 SAILOR 4065 EPIRB GNSS/AIS
Z712 Samyung ENC SEP-600AIS

1.1.1 System Components

Model	Description
Z712	406MHz EPIRB
23-108B	Manual Bracket
23-125B	Float-free Enclosure
23-106B	Battery

2 Specified Requirements

2.1 Implementing Regulation (EU)2025/1533 MED/5.6 Row 2 of 2 Notes 1 & 2

Type approval requirements	Carriage and Performance Requirements
SOLAS 74 Reg. IV/14 SOLAS 74 Reg. X/3 IMO Res. MSC.36(63)-(1994 HSC Code) 14 IMO Res. MSC.97(73)-(2000 HSC Code) 14	SOLAS 74 Reg. IV/7 IMO Res. A.662(16) IMO Res. A.694(17) IMO Res. MSC.36(63)-(1994 HSC Code) 14 IMO Res. MSC.97(73)-(2000 HSC Code) 14 IMO Res. MSC.471(101) IMO COMSAR/Circ.32/Rev.2 ITU-R M.633-5 (11/23) ITU-R M.690-3 (03/15)
Assessed Testing Standards	
IEC 60945:2002 incl. IEC 60945 Corr. 1:2008	IEC 61097-2 ed4.0:2021

3 Technical Documentation

3.1 Declaration of Conformity

Z712 DofC Modified 2025-11-18

3.2 User Guide

23-235-101 EN Issue 2 SMARTFIND G8 PLUS AIS EPIRB USER MANUAL	Dated	2025-02-19
23-235-102 EN Issue 2 SAFEPRO PLUS AIS EPIRB USER MANUAL	Dated	2025-02-19
23-235-103 EN Issue 2 SAILOR 4065 GNSS AIS EPIRB USER MANUAL	Dated	2025-02-19
23-235-104 EN Issue 2 SEP-600AIS EPIRB USER MANUAL	Dated	2025-02-19

3.3 Test Reports

3.3.1 IEC 61097-2 ed4.0:2021

75956943-07 Issue 02	Issued	2024-07-06
75956943-10 Issue 02	Issued	2025-11-10
Z712_2515001	Dated	2025-04-08
75956943-01 Issue 02	Issued	2025-09-16
75931946 Report 05 Issue 2	Issued	2018-02-23
75956943-06 Issue 01	Issued	2025-07-21
75956943-03 Issue 01	Issued	2025-07-21



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7191166085-CHM17-CCK	Issued	2017-07-27
OC-1254-01	Issued	2023-01-31
75956943-08 Issue 01	Issued	2025-08-01
BSH/454.GNSS/003/00013#00004	Issued	2022-12-22
EP2-Z712-19c	Dated	2025-07-18
EP2-Z712-19d	Dated	2025-07-18
102921912LHD-001b	Issued	2017-05-09
103143189LHD-001	Issued	2017-08-16

3.3.2 IEC 60945:2002 incl. IEC 60945 Corr. 1:2008

75931946 Report 06 Issue 1	Issued	2017-10-31
75931946 Report 09 Issue 1	Issued	2017-10-27
75966943-02 Issue 01	Issued	2025-07-21
75956943-09 Issue 01	Issued	2025-09-16

3.4 Build Status

3.4.1 Hardware

Beacon model hardware P/N 1002472: Revision A01		
Z712 Circuit Schematic and PCB	Dated	2025-07-18
Z712 BOM – Parts List	Dated	2025-07-18
23-106B Battery Assembly Issue 2	Dated	2025-03-05
23-108B Manual Bracket Assembly Issue 2	Dated	2023-03-08
23-125B Auto Housing Assembly Issue 2	Dated	2025-03-05

3.4.2 Software ^{Note 3}

Z712 EPIRB Model AIS Release: 1002475 A01

3.5 Notes

- Note 1 The Z712 is a Class 2 EPIRB with an operating temperature range of -20°C to +55°C.
- Note 2 Cospas-Sarsat Type Approval has been completed for the Z712 as defined within certificate reference TAC 398, dated 26 November 2025.
- Note 3 This approval remains valid for equipment including subsequent minor software amendments which have been formally accepted in accordance with the TÜV SÜD Testing, Certification, Validation and Verification Regulations.

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:

(Michael Bower)

Date:

27/11/2025

On behalf of TÜV SÜD DANMARK ApS