



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	Motorola Solutions Systems Polska Sp. z o.o ul. Czerwone Maki 82 Krakow 30-392 Poland
Product(s)	DP4401 Ex, PBE502BEEEx DP4801 Ex, PBE502HEGEx XiR P8668 Ex XiR P8608 Ex DGP 8550EX DGP 8050EX
Product Sector	Radiocommunications Equipment
Product Type	MED/5.20 Fire-fighter's two-way radiotelephone apparatus

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

M. B. Bower

Valid from: 30 June 2026

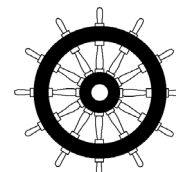
(Michael Bower)

Expiry Date: 24 July 2027

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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1 Equipment Description

Portable ATEX radio

1.1 Models

Sales Model	Regional S/Tanapa	Type Designator	Model and Description
MDH56QCN9PA3AN	PMUE3750BBCEAA	PBE502HEGEx	DP4801 Ex UHF 1W FKP GPS GOB fully featured model with display and keypad, FKP=Full KeyPad
MDH56QCN9PA3AN	PMUE3750BPCEAA	PBE502HEGEx	DP4801 Ex 403-470 1W FKP GPS MPT fully featured model with display and keypad, FKP=Full KeyPad
MDH56QCC9LA3AN	PMUE3755BAAEAA	PBE502BEEEx	DP4401 Ex 403-470 1W NKP GPS plain model, NKP=No KeyPad
AZH56QCN9PA3AN	PMUE3750BBCAAA	-	XiR P8668 Ex 403-470MHz 1W FKP GPS GOB fully featured model with display and keypad, FKP=Full KeyPad
AZH56QCN9PA3AN	PMUE3750BBFAAA	-	XiR P8668 Ex 403-470MHz 1W FKP GPS GOB fully featured model with display and keypad, FKP=Full KeyPad
AZH56QCN9PA3AN	PMUE3750BBEAAA	-	XiR P8668 Ex 403-470MHz 1W FKP GPS GOB fully featured model with display and keypad, FKP=Full KeyPad
AZH56QCN9PA3AN	PMUE3750BBDAAA	-	XiR P8668 Ex 403-470MHz 1W FKP GPS GOB fully featured model with display and keypad, FKP=Full KeyPad
AZH56QCC9PA3AN	PMUE3754BBAAAA	-	XiR P8608 Ex 403-470MHz 1W NKP GPS GOB plain model, NKP=No KeyPad
LAH56QCN9PA3AN	PMUE3750BBCLAA	-	DGP 8550EX 403-470 1W FKP GPS GOB fully featured model with display and keypad, FKP=Full KeyPad
LAH56QCC9PA3AN	PMUE3754BBALAA	-	DGP 8050EX 403-470 1W NKP GPS GOB plain model, NKP=No KeyPad

1.1.1 System Components

1.1.2 Batteries

Model	Description
NNTN8359A	MOTOTRBO IECEX/ATEX IMPRES Li-Ion Battery
NNTN8359C	MOTOTRBO IECEX/ATEX IMPRES Li-Ion Battery
NNTN8359CR	MOTOTRBO IECEX/ATEX IMPRES Li-Ion Battery
NNTN8359B	MOTOTRBO IECEX/ATEX IMPRES Li-Ion Battery

1.1.3 Dust Cover

Model	Description
15012157001 Note 3	Dust Cover Assembly

1.1.4 Antennas (use one of the following)

Model	Description
PMAE4082A	DMR folded monopole (430-470 MHz) Ex
PMAE4084A	DMR stubby antenna (430-470 MHz) Ex
PMAE4085A	DMR whip antenna (403-470 MHz) Ex

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1.1.5 Optional Components

Model	Description
Carry Accessories	
PMLN60086A	ATEX Belt Clip 2.5-Inch Belt Width
PMLN6096A	Hard Leather Carry Case 2.5-Inch Swivel Belt Loop for Non-Keypad Radio
PMLN6097A	Hard Leather Carry Case 2.5-Inch Swivel Belt Loop for Full-Keypad Radio
PMLN6098A	Soft Leather Carry Case 2.5-Inch Swivel Belt Loop for Non-Keypad Radio
PMLN6099A	Soft Leather Carry Case 2.5-Inch Swivel Belt Loop for Full-Keypad Radio
PMLN5610A	2.5-Inch Replacement Swivel Belt Loop
NTN5243A	Adjustable Nylon Shoulder Strap
Audio Accessories	
PMMN4067B	ATEX CSA Remote Speaker Microphone
PMLN6047A	Audio Adapter with Molex jac
Audio Accessories with secondary audio interface to allow the connection of headsets	
PMMN4094A	ANC RSM ATEX 20 Ohm Standard Cable
PMNN4100A	ANC RSM ATEX 20 Ohm Long Cable
PMMN4110A	OMNI RSM 20 Ohm Standard
PMMN4163A	Remote Speaker Microphone
Cable PMMN4111A	OMNI RSM 20 OHM Long Cable
FL5263-34	PTT Adapter for use with Headset

2 Specified Requirements

2.1 Implementing Regulation (EU)2025/1533 MED/5.20 Row 2 of 2

Type approval requirements	Carriage and Performance Requirements
SOLAS 74 Reg II-2/2 SOLAS 74 Reg II-2/10	SOLAS 74/2014 Reg. II-2/10 IMO Res. A.694(17) IMO MSC.1Circ 1616 ITU-R M.489-2 (10/95) ITU-R M.1174-4 (10/2019)
Assessed Testing Standards	
IEC 60945:2002 incl. IEC 60945 Corr. 1:2008	EN 60079 series ^{Note 4}
ETSI EN 300 720 V2.1.1:2017-01	-

3 Technical Documentation

3.1 Declaration of Conformity

DoC-26060700496-A EU

Dated

2026-06-24

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3.2 User Guide

MN008330A01-AF, May 2025

68012008006-BJ Service Manual, August 2022

68012007083-DP Hazardous Location Safety Instruction, December 2025

3.3 Test Reports

3.3.1 IEC 60945:2002 inc. Corr.1:2008

F180661E1	Issued	2018-06-06
F191619E1	Issued	2019-12-03
F200025E1	Issued	2022-04-20
U180661E2	Issued	2018-05-28
QAV0512 – 472	Issued	2012-05-18
RP-58563-01, Rev A	Issued	2018-05-02
Functional Test for DP4801	Modified	2022-06-07
1002	Issued	2018-05-23
1004	Issued	2018-05-23
1005	Issued	2018-05-23
1040	Issued	2019-12-10
1093	Issued	2021-06-03
1095	Issued	2021-06-03
1118	Dated	2022-05-24
RP-66895-01 Revision A	Dated	2022-05-22
08987-MARITIME-00064 Rev. A	Dated	2022-05-19

3.3.2 ETSI EN 300 720 V2.1.1:2017-01

8987-RF-00037 Rev. B	Issued	2020-02-13
8987-RF-00073 Rev A	Issued	2022-07-04
08987-MARITIME-00074 Rev. C	Dated	2023-03-31

3.3.3 ATEX Directive 2014/34/EU

ATEX EU-Type Examination Certificate Supplement 5, Certificate No. BVS 12	Issued	2020-05-29
ATEX E 117 X		
ATEX EU-Type Examination Certificate, Certificate No. BVS 12 ATEX E 117 X	Issued	2023-01-27
Issue 01		
ATEX EU-Type Examination Certificate, Certificate No. BVS 12 ATEX E 117 X	Issued	2023-12-15
Issue 02		
ATEX EU-Type Examination Certificate, Certificate No. BVS 12 ATEX E 117 X	Issued	2025-10-16
Issue 03		

3.4 Build Status

3.4.1 Hardware

84012363004_B_Radio ATEX UHF Main Board Schematic	Dated	2022-07-07
PMUE3755BAAEAA_NKP GPS_RevA BOM	Issued	2022-09-21
BoM_ PMUE3750BBCEAA_FKP GOB_Rev AC	Dated	2023-10-27

3.4.2 Software

DP4801 & DP4401	Firmware M2025.03
XiR P8608 Ex & XiR P8668	Firmware M2025.03
DGP 8050EX & DGP 8550EX	Firmware M2025.03

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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, Certification, Validation and Verification Regulations.
- Note 2 The radiotelephones referenced in Section 1.1 of this annex are two-way portable radios for fire-fighter's communication in the UHF band. The radiotelephones may only be used in the frequency band 457.525 to 467.575 MHz with analogue FM modulation and 12.5/25 kHz channel spacing in accordance with ITU-R M1174-4.
- Note 3 The radio telephones can only be used with battery type NNTN8359A, NNTN8359B, NNTN8359C or NNTN8359CR and with all accessories listed in this certificate. When the radios are used in a hazardous area, it is mandatory that the protective cover 15012157001 is fitted at the accessory connector.
- Note 4 (EU)2025/1533 MED/5.20 requires compliance with the EN 60079 series of test standards. This requirement is covered by the ATEX Type Approval as referenced in section 3.3.3.

4 Additional Information

Declared ATEX Apparatus Group/Temperature Class/hazardous type

II 2G Ex ib IIC T4 Gb (Approved for Category 2G/Zone 1, 2, Equipment group II, Gasgroup C, Temperature class T4)

II 2D Ex ib IIIC T130 °C Db (Approved for Category 2D/Zone 21, 22, Equipment group III, Dustgroup C)

I M2 Ex ib I Mb (Approved Category/Zone M2, Equipment group I)

5 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:

30/06/2026

On behalf of TÜV SÜD DANMARK ApS