

EU Declaration of Conformity (DoC-15092900179-D)

This declaration of conformity is issued under the sole responsibility of the manufacturer. The object of the declaration is in conformity with the relevant Union harmonization legislation:

2014/53/EU Radio Equipment Directive (RED)
2014/34/EU Equipment for Explosive Atmospheres Directive (ATEX)
2011/65/EU Restriction of Hazardous Substances Directive (RoHS)
2012/19/EU Waste Electrical and Electronic Equipment Directive (WEEE)

Object of the Declaration: Dimetra Portable MTP8500Ex, MTP8550Ex
for TETRA National Licenced Frequencies only

MTP8550Ex, 806-870MHz, 25/50kHz, 1-1.8W TX, Full Keypad, with Type Designator PT751NPPEEx
MTP8500Ex, 806-870MHz, 25/50kHz, 1-1.8W TX, Limited Keypad, with Type Designator PT751NMEEEx

This DoC supersedes DOC-15092900179-C

Conformity is shown by compliance with the applicable requirements of the following standards:

EN 300 328 V2.2.2
EN 302 561 V2.1.1
EN 303 413 V1.1.1
EN 303 035-1 V1.2.1
EN 303 035-2 V1.2.2
EN 300 394-1 2.3.1

EN 301 489-1 V2.2.3
EN 301 489-5 V2.2.1
EN 301 489-17 V3.1.1
EN 301 489-119 V2.1.1

EN 62368-1:2014+AC:2015+A11:2017
Compliant with the ICNIRP (1998) Occupational / Controlled Exposure Limits

EN IEC 60079-0:2018
EN 60079-11:2012

Certificate issued by: DEKRA Testing, and Certification GmbH Dinnendahlstrasse 9, 44809 Bochum
Germany

EU Type Examination Certificate: BVS 15 ATEX E 130 X
ATEX Classification: I M2 Ex ib I Mb; II 2G Ex ib IIC T4 Gb; II 2D Ex ib IIIC T90°C Db;
Temperature class T4, Tamb -20°C to +55°C, IP66/67

For the combination of the radios and accessories, refer to the safety manual MN002135A01 for the combined
Ex rating.

KRAKOW, 15-NOV-2022



Elektronicznie
podpisany przez Jacek
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Refer to the link for the latest
version of this document.

https://learning.motorolasolutions.com/Safety_Leaflets



MN002137A01-AD



Rev. 1 Addendum to EU Declaration of Conformity (DoC-15092900179-D)

The listed accessories are approved for use with the object of this declaration.

<u>PART NUMBER</u>	<u>DESCRIPTION (FOR INFORMATION ONLY)</u>
ANTENNA	
PMAF4019A	806-870MHz
AUDIO	
GMMN4580A	Savox HC2 dual headset Atex
PMLN6087A	Heavy Duty Headset with over the head headband and boom mic; connects to Peltor PTT Adapter
PMLN6089A	Tactical heavy duty headset with helmet attachment with vol control connects to Peltor PTT Adapter
PMLN6090A	Tactical heavy duty headset with over the head headband with vol control connects to Peltor PTT Adapter
PMLN6092A	Heavy Duty Headset with helmet attachment and boom mic; connects to Peltor PTT Adapter
PMLN6333A	Twin cup Heavy duty headset with helmet attachment boom mic connects to Peltor PTT Adapter
PMLN6803A	ATEX Small PTT Adapter
PMLN7188B	ATEX 3.5mm RX only earpiece
PMLN7257A	Savox CC440 (new version of Savox)
PMMN4067B	ATEX CSA Remote Speaker Microphone (RSM)
PMMN4093A	ATEX REMOTE SPEAKER MICROPHONE
PMMN4109A	Nextex OMNI RSM
RMN5123A	Savox HC1 Headset Atex
BATTERY	
NNTN8570A	ATEX IMPRES Li Ion Battery
NNTN8570B	NexTex Refresh Battery
BODYWORN	
PMLN5004B	Shoulder wearing device
PMLN5610A	2.5" Swivel belt loop
PMLN5611A	3.0" Swivel belt loop
PMLN6086A	Belt clip 2.5



Rev. 1 Addendum to EU Declaration of Conformity (DoC-15092900179-D)

The listed accessories are approved for use with the object of this declaration.

<u>PART NUMBER</u>	<u>DESCRIPTION (FOR INFORMATION ONLY)</u>
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BODYWORN

PMLN7195A	HARD LEATHER CASE W 2.5" BELT LOOP
PMLN7268A	HARD LEATHER CASE W 3" BELT LOOP

SOFTWARE

The installed radio software is under the full control of the manufacturer with no access by the user and is in compliance with the relevant directives.

Firmware Version: R36.100.9426. Codeplug Version: 1020

EU Declarations of Conformity are available at: <https://www.motorolasolutions.com/emea-compliance>

UK Declaration of Conformity (DoC-15092900179-D)

This declaration of conformity is issued under the sole responsibility of the manufacturer. The object of the declaration is in conformity with the relevant UK legislation:

The Radio Equipment Regulations 2017
The Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016
Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012
The Waste Electrical and Electronic Equipment Regulations 2013

Object of the declaration: Dimetra Portable MTP8500Ex, MTP8550Ex
for TETRA National Licenced Frequencies only

MTP8550Ex, 806-870MHz, 25/50kHz, 1-1.8W TX, Full Keypad, with Type Designator PT751NPEEx
MTP8500Ex, 806-870MHz, 25/50kHz, 1-1.8W TX, Limited Keypad, with Type Designator PT751NMEEEx

This DoC supersedes DOC-15092900179-C

Placed On The Market By: Motorola Solutions UK, 160 Victoria St, London, SW1E 5LB, U.K.

Conformity is shown by compliance with the applicable requirements of the following standards:

EN 300 328 V2.2.2
EN 302 561 V2.1.1
EN 303 413 V1.1.1
EN 303 035-1 V1.2.1
EN 303 035-2 V1.2.2
EN 300 394-1 2.3.1

EN 301 489-1 V2.2.3
EN 301 489-5 V2.2.1
EN 301 489-17 V3.1.1
EN 301 489-119 V2.1.1

EN 62368-1:2014+AC:2015+A11:2017
Compliant with the ICNIRP (1998) Occupational / Controlled Exposure Limits

EN IEC 60079-0:2018
EN 60079-11:2012

UKEx Classification: I M2 Ex ib I Mb; II 2G Ex ib IIC T4 Gb; II 2D Ex ib IIIC T90°C Db;
Temperature class T4, Tamb -20°C to +55°C, IP66/67

For the combination of the radios and accessories, refer to the safety manual MN002135A01 for the combined Ex rating.

KRAKOW, 15-NOV-2022



Elektronicznie podpisany
przez Jacek Drabik
Data: 2022.11.22
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Document Keeper: Motorola Solutions Systems Polska Sp. z o.o., Ul.Czerwone Maki 82, 30-392 Krakow, Poland

Rev. 1 Addendum to UK Declaration of Conformity (DoC-15092900179-D)

The listed accessories are approved for use with the object of this declaration.
 (* Non-UK types of power supply plugs can be only used with adaptor complying UKCA regulatory and BS 1363-3 standard.)

<u>PART NUMBER</u>	<u>DESCRIPTION (FOR INFORMATION ONLY)</u>
ANTENNA	
PMAF4019A	806-870MHz
AUDIO	
GMMN4580A	Savox HC2 dual headset Atex
PMLN76333A	Twin cup Heavy duty headset with helmet attachment boom mic connects to Peltor PTT Adapter
PMLN6803A	ATEX Small PTT Adapter
PMLN7188B	ATEX 3.5mm RX only earpiece
PMLN7257A	Savox CC440 (new version of Savox)
PMMN4067B	ATEX CSA Remote Speaker Microphone (RSM)
PMMN4093A	ATEX REMOTE SPEAKER MICROPHONE
PMMN4109A	Nextex OMNI RSM
RMN5123A	Savox HC1 Headset Atex
BATTERY	
NNTN8570A	ATEX IMPRES Li Ion Battery
NNTN8570B	NexTex Refresh Battery
BODYWORN	
PMLN5004B	Shoulder wearing device
PMLN5610A	2.5" Swivel belt loop
PMLN5611A	3.0" Swivel belt loop
PMLN6086A	Belt clip 2.5
PMLN7195A	HARD LEATHER CASE W 2.5" BELT LOOP
PMLN7268A	HARD LEATHER CASE W 3" BELT LOOP
SOFTWARE	
The installed radio software is under the full control of the manufacturer with no access by the user and is in compliance with the relevant UK legislation.	
Firmware Version: R36.100.9426. Codeplug Version: 1020	

Translation

EU-Type Examination Certificate Supplement 1

Change to Directive 2014/34/EU

2 **Equipment intended for use in potentially explosive atmospheres
Directive 2014/34/EU**

3 EU-Type Examination Certificate Number: **BVS 15 ATEX E 130 X**

4 Product: **Radiotelephone type MTP85**Ex**

5 Manufacturer: **Motorola Solutions Germany GmbH**

6 Address: **Am Borsigturm 130, 13507 Berlin, Germany**

7 This supplementary certificate extends EC-Type Examination Certificate No. BVS 15 ATEX E 130 X to apply to products designed and constructed in accordance with the specification set out in the appendix of the said certificate but having any acceptable variations specified in the appendix to this certificate and the documents referred to therein.

8 DEKRA EXAM GmbH, Notified Body number 0158, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential Report No. BVS PP 15.2259 EU.


9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012 + A11:2013 General requirements
EN 60079-11:2012 Intrinsic Safety "i"

10 If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Special Conditions for Use specified in the appendix to this certificate.

11 This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of the product shall include the following:

 **II 2G Ex ib IIC T4 Gb**
II 2D Ex ib IIC T90°C Db
I M2 Ex ib I Mb
IP66/67

DEKRA EXAM GmbH
Bochum, 2017-12-11

Signed: Dr Franz Eickhoff

Certifier

Signed: Dr Michael Wittler

Approver



13 **Appendix**
14 **EU-Type Examination Certificate**

**BVS 15 ATEX E 130 X
Supplement 1**

15 **Product description**

15.1 **Subject and type**

Radiotelephone type MTP85**Ex

Instead of the ** in the complete denomination numerals will be inserted which characterize the following modifications:

MTP8500Ex	PMUE4803A-PMUE4880A	MTP8500Ex UHF LKP Portable Radio
MTP8500Ex	PMUF1812A-PMUF1859A	MTP8500Ex 800MHz LKP Portable Radio
MTP8550Ex	PMUE4803A-PMUE4880A	MTP8550Ex UHF FKP Portable Radio
MTP8550Ex	PMUF1812A-PMUF1859A	MTP8550Ex 800MHz FKP Portable Radio

15.2 **Description**

With this supplement the certificate is changed to Directive 2014/34/EU.
(Annotation: In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016.)

The radio telephones type MTP85**Ex are portable 2-way radios that serve communication in the UHF (350 MHz - 470 MHz) and 800 MHz (806 MHz - 870 MHz) band.

The radios are only used with the battery NNTN8570A or type NNTN8570B and the dust cover with the part number 0104063J98 or one of the approved accessories.

The antennas listed below can be connected to the radios.

For use with the UHF (350 MHz – 470 MHz) versions

Part No	Description
PMAE4097A	Whip 120 mm (350 MHz - 470 MHz)
PMAE4096A	Stubby 80 mm (380 MHz - 430 MHz)

For use with the 800MHz (806 MHz – 870 MHz) versions

Part No	Description
PMAF4019A	Whip 80 mm (806 MHz - 870 MHz)

Optionally one of the color rings PMLN6285A, PMLN6286A, PMLN6287A, PMLN6288A or PMLN6289A can be attached to all the antennas listed above.

The following SD cards are allowed for use with the radios

SD Card

MM000228A01	2GB Industrial Grade MicroSD/MicroSDHC Card
DLN6985A	TETRA CRYPTR Micro AES128
DLN6986A	TETRA CRYPTR Micro AES256

The following carry devices can be used with the radios:

Part No	Description
PMLN7195A	HARD LEATHER CASE W 2.5" BELT LOOP
PMLN7268A	HARD LEATHER CASE W 3" BELT LOOP
PMLN6086A	ATEX BELT CLIP 2.5 INCH
PMLN5004B	SHOULDER WEARING DEVICE
PMLN5610A	2.5 INCH SWIVEL BELT LOOP
PMLN5611A	3.0 INCH SWIVEL BELT LOOP

The following separately certified accessories can be used with the radio:

Part No	Description	Certificate
PMMN4067B	REMOTE SPEAKER MICROPHONE	IECEX BVS 12.0016X BVS 12 ATEX E 027 X
FL4063-50-34 (PMLN6803A)	PTT Adapter for use with headset and radio	IECEX NEM 13.0001X Nemko13ATEX1521X
PMMN4093A	ANC Remote speaker microphone	IECEX BVS 15.0047 X BVS 15 ATEX E 054 X
PMMN4101A	ANC RSM Ex 16ohm Long Cbl	IECEX BVS 15.0047X BVS 15 ATEX E 054 X
PMMN4112A	IMPRES EX OMNI RSM LONG CBL/NEX/16OHM	IECEX BVS 15.0047X BVS 15 ATEX E 054 X
C-C440Ex (PMLN7257A)	Com-Control Unit	IECEX VTT 15.0019X VTT 15 ATEX 061X

The accessory kits listed below can be connected to PMLN6803A, PMMN4093A, PMMN4101A, PMMN4109A or PMMN4112A.

MT7H79F-50 (PMLN6087A)	Standard Headset, with Microphone and Speaker	IECEX NEM 09.0004X Nemko 09 ATEX1114X
MT7H79P3E-50 (PMLN6092A)	Standard Headset, with Microphone and Speaker	IECEX NEM 09.0004X Nemko 09 ATEX1114X
MT72H540P3E-50 (PMLN6333A)	Headset with Microphone and Speaker, Twin cup	IECEX NEM 09.0005X Nemko 09 ATEX1119X
MT1H7F2-07-51 (PMLN6090A)	Headset Series, Tactical XP	IECEX NEM 11.0010X Nemko 10 ATEX1029X
MT1H7P3E2-07-51 (PMLN6089A)	Headset Series, Tactical XP	IECEX NEM 11.0010X Nemko 10 ATEX1029X
MT1H7B2-07- 51 (PMLN7535A)	Tactical XP Headset Neckband	Nemko 10 ATEX1029X IECEX NEM11.0010X

The accessories, the antennas and the battery can only be connected or disconnected outside the potentially hazardous environment.

The ambient temperature range for the radios and the battery type NNTN8570A and NNTN8570B is $-20\text{ }^{\circ}\text{C} \leq T_a \leq +55\text{ }^{\circ}\text{C}$.

Only chargers listed in the Motorola safety instruction MN002135A01 can be used with the battery NNTN8570A or type NNTN8570B outside the potentially hazardous environment.

The SD cards can only be changed outside the potentially hazardous environment

Page 3 of 5 of BVS 15 ATEX E 130 X / N1

This certificate may only be reproduced in its entirety and without any change.

Reason for the supplement:

- Change to Directive 2014/34/EU
- Introduction of the new battery type NNTN8570B
- Inclusion of additional accessories
- Inclusion of additional chargers in the manual
- Small changing at the mechanical construction and at the electronic circuit

15.3 Parameters

15.3.1 Electrical data

15.3.1.1 Frequency range

MTP8500Ex/MTP8550Ex	UHF	350 - 470	MHz
MTP8500Ex/MTP8550Ex	800 MHz	806 - 870	MHz

15.3.1.2 Radio output power

2 W maximal (ib)

15.3.1.3 Supply Voltage (NNTN8570A)

Nominal	U_n	7.6	V
Peak open voltage	U_o	8.4	V

15.3.2 Ambient temperature range

$-20\text{ °C} \leq T_a \leq +55\text{ °C}$

15.3.3 Ingress protection

IP66/67

16 Report Number

BVS PP 15.2259 EU, as of 2017-12-11

17 Special Conditions for Use

The radio, the battery and the accessories are only protected against low risk of mechanical danger for Group I applications.

Changing, detaching or charging of the battery is only allowed outside the hazardous area

Only accessories and chargers listed in the document MN002135A01 shall be used.

It is only allowed to disconnect or change accessories outside the hazardous area.

In case the charge indicator lights at the charger consistent by show a defective battery or conditions other than listed in the manual of the chargers the equipment is not allowed to be used in a hazardous area any longer.

The SD card shall only be changed outside the hazardous area.

In the hazardous environment either the dust cover 0104063J98 or one of the accessories listed in the document MN002135A01.

Inside hazardous areas, the battery must always be connected to a radio.

18 **Essential Health and Safety Requirements**

The Essential Health and Safety Requirements are covered by the standards listed under item 9.

19 **Drawings and Documents**

Drawings and documents are listed in the confidential report.

We confirm the correctness of the translation from the German original.
In the case of arbitration only the German wording shall be valid and binding.

DEKRA EXAM GmbH
Bochum, dated 2017-12-11
BVS-Ha/Mu A 20170639



Certifier

Approver