

# EU-Type Examination Certificate

- [2] EQUIPMENT OR PROTECTIVE SYSTEM INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES DIRECTIVE 2014/34/EU
- [3] EU-Type Examination Certificate Number: Presafe 16 ATEX 8960X Issue 0
- [4] Product: Headset series, WS LiteCom Pro III
- [5] Manufacturer: 3M Svenska AB
- [6] Address: Malmstengatan 19  
SE 331 02 Värnamo  
Sweden
- [7] This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- [8] DNV Nemko Presafe AS, notified body number 2460, 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 confidential reports listed in section 16.
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with: EN 60079-0:2012/A11:2013 and EN 60079-11:2012 and EN 50303:2000
- [10] If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule 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:



I M1  
II 1G  
II 1D

Ex ia I Ma  
Ex ia IIC T4 Ga  
Ex ia IIIC T130°C Da  
-20°C ≤ Ta ≤ +50°C

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Bjørn Spongsveen  
For DNV Nemko Presafe AS  
Information on electronic signature [www.presafe.com](http://www.presafe.com)



Date of issue: 2017-01-30

*This certificate may only be reproduced in its entirety and without any change, schedule included.*

[13]

## Schedule

[14] EU-TYPE EXAMINATION CERTIFICATE No.: Presafe 16 ATEX 8960X Issue 0

### [15] Description of Product

The headset consists of headphones, microphones, an integrated intercom radio and Bluetooth. It is powered by a Li-Ion battery, integrated in the battery-pack: 3M, Peltor, ACK082. It must be charged in non-hazardous area with belonging charging cable, AL2AH connected to a SELV 5V assessed equipment, for example 3M, Peltor, Power supply FR08. The integrated speaker (HTRL-06) and microphone (M01N-02 or MT192-1) has been assessed together with the following accessories: dynamic microphones MT73 and throat microphone MT90-02 as integrated part of the apparatus. In addition, an external mechanical switch, PTT-Key, 3M, Peltor FL5602-50 certified Nemko 11ATEX1234X and IECEx NEM 11.0025X, has been assessed as an accessory to this headset as well and can be connected to the External jack.

This certificate covers three models: one with headband, one with neckband and one with helmet attachment.

#### Type designation

MT73H7B4D10EU-50, MT73H7F4D10EU-50, MT73H7P3E4D10EU-50

#### Degrees of protection (IP Code)

IP20 for the headset, according to IEC 60529 Edition 2.1.

#### Ambient temperature:

-20°C to +50°C

#### Routine tests

N/A

[16] Report No.: D0002454

### [17] Specific Conditions of Use

The battery pack 3M, Peltor, ACK082 must be charged in non-hazardous area with belonging charging cable, AL2AH connected to a SELV  $U_m = 5V$  assessed equipment, for example 3M, Peltor, Power supply FR08.

### [18] Essential Health and Safety Requirements

Essential Health and Safety Requirements (EHSRs) are covered by the standards listed at item 9

## [19] Drawings and documents

Number	Title	Rev.	Date
FP3804	EU Intrinsic Safety Guide 3M PELTOR WS LiteCom Pro III Headset	A	2017-01-24
FP3805	North American Intrinsic Safety Guide 3M PELTOR WS LiteCom Pro III Headset	C	2017-01-24
K236_BOM	K236A Bill Of Material	A	2007-04-12
K236_INFO_FILE	K236A Information File	A	2007-04-12
K236_SCHEMATIC	K236A Schematic Drawing	A	2007-04-12
K236A_PCB_EDF	K236A PCB Electrical Drawing File	A	2007-04-12
K237C_BOM	K237CVA Bill Of Material	A	2011-03-15
K237C_PCB_EDF	K237CVA Electrical Drawing File	A	2011-03-15
K237C_SCHEMATIC	K237CVA Schematic Drawing	A	2011-03-15
K315_SCHEMATIC	K315AVB Schematic Drawing	B	2015-02-23
K315A_BOM	K315AVB Bill Of Material	B	2015-02-23
K315A_PCB_EDF	K315AVA Electrical Drawing File	A	2012-03-29
K384_COATING	K384A Coating instruction	A	2016-12-05
K384_PCB_EDF	K384A Electrical Drawing File	B	2017-01-13
K384_SCHEMATIC	K384A Schematic Drawing	A	2016-12-06
K384A_BOM	K384A Bill Of Material	A	2016-12-06
K385_COATING	K385A Coating instruction	A	2016-12-07
K385_PCB_EDF	K385A Electrical Drawing File	B	2017-01-13
K385_SCHEMATIC	K385A Schematic Drawing	C	2017-01-13
K385A_BOM	K385A Bill Of Material	C	2017-01-13
P050110	F09, F09-01 Head Pad for foldable bands	E	2014-03-07
P060451	J111A-02 Jack 4-pole with 2-pole connector	B	2015-03-20
P090007	Assembly Drawing DEMENT90-02/MT90-02 THROAT MICROPHONE, DYNAMIC	D	2015-04-08
P110467	Assembly Drawing HTRL-06 Speaker	A	2012-03-29
P110567	LLC cable	A	2012-05-07
P130088	Assembly Drawing OMK55-01	C	2014-05-05
P150275	Assembly Drawing MT73H7F4D10EU-50	A	2016-12-01
P160129	Material specification SP0083	A	2016-05-20
P160159	LBT Cable	A	2017-01-13
P160171	Assembly Drawing L24BT-1	A	2017-01-13
P160200	Assembly Drawing L201BT-1	A	2017-01-13
P160201	Assembly Drawing L17BT-1	A	2017-01-13
P160207	Assembly Drawing ACK082	B	2016-12-01
P160209	Assembly Drawing MT73H7P3E4D10EU-50 WS LITECOM PRO III, HELMET ATTACH., ATEX	A	2016-12-01
P160210	Assembly Drawing MT73H7B4D10EU-50 WS LITECOM PRO III, NECK BAND, ATEX	A	2016-12-01
P160225	Label layout TT0071	A	2016-12-01
P160234	Label layout TA0057	B	2017-01-19

P160302	Assembly Drawing MT73H7B4D10NA-50 WS LITECOM PRO III, NECK BAND, CSA US/C	A	2016-12-01
P160303	Assembly Drawing MT73H7F4D10NA-50 WS LITECOM PRO III, FOLD. BAND, CSA US/C	A	2016-12-01
P160305	Assembly Drawing MT73H7P3E4D10NA-50 WS LITECOM PRO III, HELM. ATT., CSA US/C	A	2016-12-01
P160309	Label layout TA0058	B	2017-01-13
P870502	LA cable	B	2012-07-13

## [20] Certificate History

Issue	Description	Issue date	Report no.
0	Original issue	2017-01-26	D0002454

END OF CERTIFICATE