



Finnish Institute of  
Occupational Health

FIOH  
notified by the Ministry of Social Affairs and Health  
and identified under 0403 grants

# EC TYPE EXAMINATION CERTIFICATE

190127CAS01

for level-dependent earmuff type hearing protectors  
with auxiliary connection as defined in  
EN 352-1:2002, EN 352-3:2002,  
EN 352-4:2001/A1:2005 and EN 352-6:2002  
**3M™ PELTOR™ Tactical XP and  
3M™ PELTOR™ Tactical XP ATEX**  
3M Svenska AB  
Värnamo  
Sweden

These products comply with Directive 89/686/EEC, as amended

Helsinki, 20 February 2019  
Expiry date: 21 April 2023

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## 1. Applicant

3M Svenska AB  
Malmstensgatan 19  
S-33102 Värnamo  
Sweden

## 2. Description and identification of the products

Type: Level-dependent earmuff type hearing protectors with auxiliary connection as defined in EN 352-1:2002, EN 352-3:2002, EN 352-4:2001/A1:2005 and EN 352-6:2002

Name: 3M™ PELTOR™ Tactical XP (MT1H7B2, MT1H7F2 and MT1H7P3E2)  
3M™ PELTOR™ Tactical XP ATEX (MT1H7B2-5\*, MT1H7F2-5\* and MT1H7P3E2-5\*)

\* Extensions to the article number relate to different types of Ex-approval.

Description and size range:

MT1H7B2\*, MT1H7B2-5\*:

Earmuff with behind-the-head headband  
Compatible for small, medium and large size ranges

MT1H7F2\*:

Earmuff with foldable over-the-head headband  
Compatible for large size range and for small and medium size ranges when used with a fitting pad

MT1H7F2-5\*:

Earmuff with foldable over-the-head headband  
Compatible for large size range

MT1H7P3E2\*, MT1H7P3E2-5\*:

Helmet attached earmuff in basic combination with Peltor G22 industrial safety helmet  
Compatible for medium and large size ranges

Models: Tactical XP standard models:

MT1H7B2\*  
MT1H7F2\*  
MT1H7P3E2\*

Tactical XP ATEX standard models (Ex approval for Gas and Mining):

MT1H7B2-51  
MT1H7F2-51  
MT1H7P3E2-51

Tactical XP headset models with an added boom-microphone and a cable for connecting to a PTT adapter:

MT1H7B2-07\*  
MT1H7F2-07\*  
MT1H7P3E2-07\*



Tactical XP ATEX headset models with an added boom-microphone and a cable for connecting to a PTT adapter:

MT1H7B2-07-51

MT1H7F2-07-51

MT1H7P3E2-07-51

Tactical XP ATEX Motorola model with an additional user manual:

MT1H7B2-07-51-34

MT1H7F2-07-51-34

MT1H7P3E2-07-51-34

Tactical XP headset models with an added boom-microphone and a 5-pole connection jack (female):

MT1H7B2-77\*

MT1H7F2-77\*

MT1H7P3E2-77\*

\* Extensions to the article number relate to different print and/or colour of the product, connector type and/or length of the connection cable.

Manufacturer: 3M Svenska AB

### 3. Adequacy and validity of the technical documentation

The documentation supplied by the applicant is listed in Appendix 1. The technical documentation is considered adequate and valid. The products have been tested in accordance with harmonized European standards EN 352-1:2002, EN 352-3:2002, EN 352-4:2001/A1:2005 and EN 352-6:2002 by accredited testing laboratories. The models of the products supplied by the applicant conform to the technical documentation.

### 4. Compliance with basic health and safety requirements

The products and the technical documentation relating to them comply with the relevant basic health and safety requirements stated in Directive 89/686/EEC Annex II as amended, last amended by 96/58/EC (in Finland VNP 1406/93 Liite 1).

Note: Any modification in design, materials, or in the technical documentation, carried out on these type examined products must be brought to the attention of FIOH.

Appendix 1. Technical documentation

Appendix 2. Pictures of the products

End of EC type examination certificate.



**Technical and other documentation regarding EC type examination certificate  
190127CAS01**

Product name: 3M™ PELTOR™ Tactical XP (MT1H7F2, MT1H7B2 and MT1H7P3E2)  
3M™ PELTOR™ Tactical XP ATEX (MT1H7F2-5\*, MT1H7B2-5\* and  
MT1H7P3E2-5\*)

Applicant: 3M Svenska AB

<i>Item of documentation</i>	<i>Document identification</i>	<i>Assessment</i>
1. Application for the EC type examination	Nermin Jusufovic, 2013-10-01 Nermin Jusufovic, 2018-10-23	Adequate
2. Product drawings, construction, and material lists	Product descriptions and assembly drawings:  3M™ PELTOR™ Tactical XP:  MT1H7B2, 2013-10-17 P050685 rev.c , 2010-06-10 MT1H7F2, 2013-10-18 P050686 rev.d 2010-06-10 MT1H7P3E2, 2013-10-18 P050687 rev.c, 2010-06-09  MT1H7B2-07, 2013-10-18 P050688 rev.d, 2010-06-10 MT1H7F2-07, 2013-10-18 P050689 rev.e, 2010-06-09 MT1H7P3E2-07, 2013-10-18 P050690 rev.e, 2013-11-21  MT1H7B2-77, 2013-10-18 P050691 rev.d, 2010-06-10 MT1H7F2-77, 2013-10-18 P050692 rev.f, 2010-06-09 MT1H7P3E2-77, 2013-10-18 P050693 rev.d, 2010-06-09  3M™ PELTOR™ Tactical XP ATEX:  MT1H7B2-51, 2013-10-21 P110250, rev.b, 2011-05-11 MT1H7F2-51, 2013-10-21 P110251, rev.b, 2011-05-11 MT1H7P3E2-51, 2013-10-21 P110252, rev.b, 2011-05-11  MT1H7B2-07-50, 2013-10-21 P060514, rev.e, 2013-05-06 MT1H7F2-07-50, 2013-10-18 P060515, rev.e, 2013-05-06 MT1H7P3E2-07-50, 2013-10-21 P060516, rev.e, 2013-05-06	The products and materials are identified



Item of documentation	Document identification	Assessment
	<p>MT1H7B2-07-51, 2013-10-21 P100572, rev.b, 2011-05-11 MT1H7F2-07-51, 2013-10-18 P100573, rev.b, 2011-05-11 MT1H7P3E2-07-51, 2013-10-22 P100574, rev.b, 2011-05-11</p> <p>MT1H7B2-07-51-34, 2016-10-06 P100572, rev.b, 2011-05-11 MT1H7F2-07-51-34, 2013-10-18 P100573, rev.b, 2011-05-11 MT1H7P3E2-07-51-34, 2013-10-22 P100574, rev.b, 2011-05-11</p> <p>3M™ PELTOR™ Tactical XP, Wiring instruccions: P050694 rev.d, 2010-08-26 P130281 rev.a, 2013-09-19</p> <p>3M™ PELTOR™ Tactical XP, HY450, distance pad for F-band: P130161 rev.a, 2013-06-14</p>	
3. Compliance with Directive 89/686/EEC relevant basic requirements	The compliance assessment is based on reports mentioned below items 3.1-3.6	
3.1 FIOH assessment of relevant Directive basic requirements	2013-11-26 2019-02-20	The applied harmonised standards EN 352-1:2002, EN 352-3:2002, EN 352-4:2001/A1:2005 and EN 352-6:2002 support the relevant requirements
3.2 FIOH test reports	228507T01, 2013-10-03 for Tactical XP (MT1H7F2)	Tactical XP (MT1H7F2) fulfils the requirements of EN 352-1:2002 for large size range and for small and medium size ranges when used with a fitting pad.
	228512T01, 2013-10-03 for Tactical XP (MT1H7B2)	Tactical XP (MT1H7B2) fulfils the requirements of EN 352-1:2002 for small, medium and large size ranges.
	228513T01, 2013-10-03 for Tactical XP (MT1H7P3E2)	Tactical XP (MT1H7P3E2) fulfils the requirements of EN 352-3:2002 for medium and large size ranges.
	228514T01, 2013-10-03 for Tactical XP ATEX (MT1H7F2-50)	<p>The mean weight of the product was measured according to EN 13819-1:2002.</p> <p>Model MT1H7F2-50 is mechanically and acoustically identical to MT1H7F2 and the weight of MT1H7F2-50 differs less than 10% from the weight of MT1H7F2. MT1H7F2-50 is an ATEX approved version of MT1H7F2.</p>



Item of documentation	Document identification	Assessment
		Based on this, it can be assessed that Tactical XP ATEX would also fulfil the requirements of EN 352-1:2002 and EN 352-3:2002.
	25254T01, 2005-10-27 for 3M™ PELTOR™ Tactical XP (MT1H7A2)	3M™ PELTOR™ Tactical XP (MT1H7A2) fulfils the requirements of EN 352-4:2001/A1:2005
	27014T01, 2007-02-15 for 3M™ PELTOR™ Tactical XP (MT1H7F2)	3M™ PELTOR™ Tactical XP (MT1H7F2) fulfils the requirements of EN 352-4:2001/A1:2005 and EN 352-6:2002
	26343T01, 2006-10-16 for 3M™ PELTOR™ Tactical XP (MT1H7F2)	3M™ PELTOR™ Tactical XP (MT1H7F2) fulfils the requirements of EN 352-6:2002
3.3 List of supplementary helmet combinations	29261A01, 2016-02-12	Adequate
3.4 PZT test report	1891802-2, 2018-06-18 for Peltor LiteCom Basic in supplementary combination with SecureFit X5500 and X5000 helmets	<p>Peltor LiteCom Basic (MT53H7P3E4400-EU) fulfils the requirements of EN 352-3:2002 with helmet X5500 vented/non-vented and X5000 for small, medium and large size ranges.</p> <p>Considering the mechanical similarities between Peltor LiteCom Basic and Tactical XP products, the standard deviation of the headband force measurements of the supplementary combination of Peltor LiteCom Basic with helmet X5500 and the headband force measurement with one sample of Tactical XP with helmet X5500 it can be assessed that also Tactical XP fulfils the requirements of EN 352-3:2002 with helmet X5500 vented/non-vented and X5000 for small, medium and large size ranges.</p>
3.5 Draft information sheet	FP3739 rev.d, 2019-01-08	Document meets the requirements of the PPE Directive and EN 352-1:2002, EN 352-3:2002, EN 352-4:2001/A1:2005 and EN 352-6:2002.
3.6 Product markings	<p>On product P110381, 2011-09-12</p> <p>Label layout</p> <p>3M™ PELTOR™ Tactical XP: P120054 rev.a, 2012-02-23 P120365 rev.d, 2018-09-24 P120345 rev.d, 2018-09-24 P180251 rev.a, 2018-09-24</p>	Markings meet the requirements of the PPE Directive and EN 352-1:2002, EN 352-3:2002, EN 352-4:2001/A1:2005 and EN 352-6:2002.



<i>Item of documentation</i>	<i>Document identification</i>	<i>Assessment</i>
	<p>P180131 rev.b, 2018-09-24</p> <p>3M™ PELTOR™ Tactical XP ATEX: P100288 rev.d, 2013-05-06 P100483 rev.b, 2011-05-11 P100484 rev.b, 2011-05-11</p> <p>Packing material 3M™ PELTOR™ Tactical XP: P120051 rev.a, 2012-02-23 P100451 rev.c, 2012-02-17 P100528 rev.a, 2010-07-06 BOX_Nack band_P100535_b, 2018-10-25</p> <p>3M™ PELTOR™ Tactical XP ATEX: P100370 rev.b, 2010-05-20 P100452 rev.d, 2012-12-17 P130909 rev.a.00, 2013-10-23</p>	
4. Description of the production quality system and related product control and test facilities	<p>Quality assurance P130283 Rev.a 2013-10-04 Quality assurance Q180149 Rev b.00, 2018-09-20</p>	Adequate for category II products
5. Other examination certificates related to the product	<p>For 3M™ PELTOR™ Tactical XP ATEX: EC-type examination certificate Equipment and Protective systems intended for use in Potentially Explosive Atmospheres (ATEX), granted by VTT, Finland, 2007-02- 12</p>	The product types are equivalent in ATEX certificate and in this certificate

End of documentation list.



**Pictures of products in EC type examination certificate 190127CAS01**

Product name: 3M™ PELTOR™ Tactical XP (MT1H7F2, MT1H7B2, MT1H7P3E2)

Applicant: 3M Svenska AB



3M™ PELTOR™ Tactical XP (MT1H7F2)



3M™ PELTOR™ Tactical XP (MT1H7F2)



3M™ PELTOR™ Tactical XP (MT1H7B2)



3M™ PELTOR™ Tactical XP (MT1H7B2)





3M™ PELTOR™ Tactical XP (MT1H7P3E2)



3M™ PELTOR™ Tactical XP (MT1H7P3E2)



3M™ PELTOR™ Tactical XP ATEX (MT1H7F2-50)



3M™ PELTOR™ Tactical XP ATEX (MT1H7F2-50) 3M™ PELTOR™ Tactical XP ATEX (MT1H7F2-50)