



Finnish Institute of
Occupational Health

EU TYPE-EXAMINATION CERTIFICATE

19A0197GAS01, Issue 1

for level-dependent earmuff type hearing protector
with auxiliary audio input for communication as defined in
EN 352-1:2002, EN 352-3:2002, EN 352-4:2001/A1:2005 and EN 352-6:2002

3M Peltor LiteCom Plus Headset

3M Svenska AB
Box 2341, SE-33102
Värnamo, Sweden

These products comply with the applicable essential health and safety
requirements of Regulation (EU) 2016/425.

This certificate shall be used in conjunction with
conformity assessment procedure module D.

Valid from: 22 March 2019
Date of expiry: 21 March 2024

Minna Torenius
Specialist

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Research scientist



EU type-examination report

This EU type-examination report is for EU type-examination certificate No. 19A0197GAS01, Issue 1.

1. Applicant

3M Svenska AB
Box 2341
SE-33102
Värnamo
Sweden

2. Description and identification of the product

Product name: 3M Peltor LiteCom Plus Headset

Type: Earmuff type hearing protectors

Size range: Over-the-head headband model Small, Medium and Large
(MT7H7A4310-EU, MT7H7A4410-EU)

Neckband model Small, Medium and Large
(MT7H7B4310-EU, MT7H7B4410-EU)

Earmuff attached to an industrial helmet Medium and Large
(MT7H7P3E4310-EU, MT7H7P3E4410-EU)

Description: Level-dependent earmuff type hearing protector with auxiliary audio input for communication as defined in EN 352-1:2002, EN 352-3:2002, EN 352-4:2001/A1:2005 and EN 352-6:2002. Dark blue cups, black cushions and black headband. The models are over-the-head headband, neckband and earmuffs attached to industrial safety helmets in basic combination with helmet 3M G22 and in supplementary combination with helmets listed in Appendix 3.

Manufacturer: 3M Svenska AB

Pictures of the product:



3M Peltor LiteCom Plus Headset, headband



3M Peltor LiteCom Plus Headset, neckband



3M Peltor LiteCom Plus Headset, helmet

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 and in-house method based on standard EN 352-6:2002 for two-way communication by accredited testing laboratories. The models of the products supplied by the applicant conform to the technical documentation.

4. Compliance with essential health and safety requirements

The products and the technical documentation relating to them comply with the relevant essential health and safety requirements stated in the Regulation (EU) 2016/425 Annex II.

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	Document history
Appendix 3	List of possible helmet combinations

End of EU type-examination report.



Technical documentation regarding EU type-examination report 19A0197GAR01

Product name: 3M Peltor LiteCom Plus Headset

Applicant: 3M Svenska AB

<i>Item of technical documentation</i>	<i>Document identification</i>	<i>Assessment</i>
1. Application for the EU type examination	2018-05-23, Nermin Jusufovic	Adequate
2. Product drawing, construction, and material list	P120445rev_a, 2013-05-27 P130077rev_a, 2013-05-27 P120469rev_a, 2013-05-27 MT7H7P3E4410-EU, 2013-05-24 MT7H7B4310-EU, 2013-08-22 MT7H7B4410-EU, 2013-08-22 MT7H7A4310-EU, 2013-05-24 MT7H7A4410-EU, 2018-05-22 MT7H7P3E4310-EU, 2013-05-24	Products are identified and described, materials are specified.
3. Compliance with Regulation (EU) 2016/425 essential health and safety requirements	The compliance assessment is based on reports mentioned below items 3.1-3.7	
3.1. FIOH assessment of essential health and safety requirements	2019-03-22	The applied harmonized 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. Combitech test reports	CAB-106484, 2013-06-19	3M Peltor LiteCom Plus MT7H7B4410-EU fulfils the requirements of EN 352-1:2002 for size ranges S, M and L.
	CAB-106482, 2013-06-19	3M Peltor LiteCom Plus MT7H7A4410-EU fulfils the requirements of EN 352-1:2002 for size ranges S, M and L.
	CAB-106486, 2013-06-19	3M Peltor LiteCom Plus MT7H7P3E4410-EU fulfils the requirements of EN 352-3:2002 for size ranges M and L.
	CAB-106488, 2013-06-19	3M Peltor LiteCom Plus MT7H7A4410-EU fulfils the requirements of EN 352-4:2001/A1:2005.
	CAB-106490, 2013-06-19	3M Peltor LiteCom Plus MT7H7A4410-EU fulfils the requirements of EN 352-6:2002.



<i>Item of technical documentation</i>	<i>Document identification</i>	<i>Assessment</i>
3.3. PZT test reports	1891802-2, 2018-06-18 for Peltor LiteCom Basic in supplementary combination with SecureFit X5500 and X5000 helmets	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. Considering the mechanical similarities between Peltor LiteCom Basic and 3M Peltor LiteCom Plus 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 3M Peltor LiteCom Plus with helmet X5500 it can be assessed that also 3M Peltor LiteCom Plus fulfils the requirements of EN 352-3:2002 with helmet X5500 vented/non-vented and X5000 for small, medium and large size ranges.
	1891702-1, 2018-10-10	PMR function for safety-related communication of 3M Peltor LiteCom Plus tested with in-house method based on standard EN 352-6:2002 meets the requirements of the Regulation.
3.4. FIOH assessment report	List of supplementary helmet combinations, 29261A01, 2016-02-12	The supplementary combinations listed in Appendix 3 fulfil the requirements of EN 352-3:2002.
3.5. Draft information sheet	FP3725REVE_6sidedcover_Xsidedinsert_A5, 2019-03-19	Document meets the requirements of the PPE Regulation, and EN 352-1:2002, EN 352-3:2002, EN 352-4:2001/A1:2005, and EN 352-6:2002.
3.6. Product markings	Draft markings: On product P160082 rev b, 2018-04-10 P160089 rev b, 2018-05-07 P180136 rev a, 2018-05-07 P180119 rev a, 2018-04-10	Markings meet the requirements of the PPE Regulation, and EN 352-1:2002, EN 352-3:2002, EN 352-4:2001/A1:2005, and EN 352-6:2002.
3.7. Risk assessment	P180104_rev_b, PPE risk assessment for 3M Peltor hearing protectors, 2018-03-07	Adequate
4. Description of the production quality system and related product control and test facilities	3M Svenska AB ISO 9001, ISO 14001 certificate No. 1000, valid until 2022-02-28 P130112, QC-Document Lite-Com/Lite-Com Plus Quality assurance, rev a.00, 2013-04-29	Agreement with FIOH on the EU quality control system for the quality of production, module D (PPE category III products).



Document history of EU type-examination certificate 19A0197GAS01 and report 19A0197GAR01

2019-03-22	EU type-examination certificate 19A0197GAS01, Issue 1
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Table 1. List of possible helmet combinations (S=small size, M=medium size, L=large size)

Helmet manufacturer	Helmet model	Wedge	MT7H7P3E4*10-EU	Test report
3M	SecureFit Safety Helmet X5000	E	SML	1891802-2
3M	SecureFit Safety Helmet X5500	E	SML	1891802-2
3M	Airstream AH1, AH4	AE	ML	29563T01
3M	Airstream AH7	AE	ML	29563T01
3M	Airstream HT-701, HT-702, HT-705	AE	ML	29563T01
3M	Airstream HT-707	AE	ML	29563T01
3M	G500 Headgear	E	SML	29453T01
3M	Versaflo M-106, M-107	AF	ML	10193T01
3M	Versaflo M-306, M-307	AF	ML	10193T01
3M	3M™ Speedglas™ Welding Helmet 9100 MP	AF	ML	10193T01
3M	G2000	K	SML	95484T01
3M	G22 (BASIC SET)	E	ML	CAB-106486
3M	G3000	E	SML	26276T01
3M	G3501	E	SML	315672T01
3M	H-700	E	SML	233268T01
Auboueix	Brennus	F	SML	95484T01
Auboueix	Fondelec	F	SML	95484T01
Auboueix	Iris	E	ML	95484T01
Auboueix	Iris 2	E	ML	26276T02
Auboueix/Seybol	KARA	E	SML	205388T02
Centurion	1125/ARCO plus	H	SML	95484T01
Centurion	1100/ARCO type 2	H	SML	95484T01
Centurion	1540/ARCO	A	ML	95484T01
Centurion	Concept	E	SML	29201T01
Grolls	Balance	E	ML	95484T01
Grolls	Balance AC/3M 1465	E	ML	95484T01
Grolls	Balance HD	N	SML	26103T01 26104T01 26105T01 26106T01
Grolls	Robust	E	SML	95484T01
JSP	EVOLITE	E	L	205388T03



JSP	MK6R/MK7R	E	L	205388T01
JSP	MK8	E	L	205388T04
Kemira	Top Cap	A	SML	95484T01
LAS	LP2002	E	SML	95484T01
LAS	LP2006	E	SML	95484T01
MSA	Super V-Gard II	E	SML	95484T01
MSA	V-Gard	E	SML	95484T01
Petzl	Vertex	E	SML	26099T01 26100T01 26101T01 26102T01
Pfanner	Protos integral	Mod. P2	L	271292T01
Protector / Scott	Style 300	E	SML	21046T01
Protector / Scott	Style 600	G	SML	21046T01
Protector / Scott	Tuffmaster II	E, G	ML	95484T01
Römer	Bravo 2 Nomaz	B	SML	95484T01
Römer	Marcus Top 2 Atlas Nomaz	B	SML	95484T01
Römer	N2 Atlas Nomaz	BB	SML	95484T01
Römer	Profi Expo	E	SML	95484T01
Römer	Profi Nomaz	E	SML	95484T01
Römer	Top Expo Atlas	B	SML	95484T01
Schuberth	BEN	BB	SML	95484T01
Schuberth	BER80/WPC80	EA	SML	95484T01
Schuberth	BER S	E	SML	95484T01
Schuberth	BOP R	B	SML	95484T01
Schuberth	PIONIER	B	SML	95484T01
Schuberth	SH 91/WPL 91	EB	SML	95484T01
Schuberth	SW1	EB	ML	95484T01
Sofop Taliaplast	Oceanic	E	ML	26099T01
Sofop Taliaplast	Opus	E	ML	95484T01
UVEX	Airwing	E	SML	26099T01
Voss	Inap 88	E	SML	95484T01
Voss	Inap Master	E	ML	95484T01
Voss	Inap Star	E	ML	26276T01
Voss	Inap PCG	G	ML	95484T01