

## **CO-ORDINATION OF NOTIFIED BODIES** PPE Regulation 2016/425

PPE-R/04.015					
Version 01					

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	^	RECOMMENDA	TION FO	R USE						
	of pages: 1		Approved on :							
Origin : \	/G 4 Hearing p	rotection		<ul><li>✓ Vertical Group</li><li>✓ Horizontal Committee</li><li>✓ EU PPE Working Group</li></ul>	21.04.2018 21.04.2018 03.05.2021					
Question	related to	☐ PPE Regulation	⊠ EN/prE 2:2002	N: 352-4:2001/13819-	☑ Other: ISO 4869-4					
Article:		Annex:	Clause:	/ 4.3.3						
Key word	ds:	-								
Level-dependent earmuffs, MIRE, measurement noise, volume control										
Question	:									
1										
2	Which toleran	ces shall be aimed at for the generation of the	e L-orientate	ed, M-, and H-orientated noise	described in EN 352-4?					
3	3 Which adjustment of the volume control shall be used for the testing of the level-dependent function of the earmuff?									
Solution:										
1	The MIRE-technique as described in Annex B of EN 352-4:2001 should be used. In the area of the concha, the microphone, including supporting elements and electrical leads, shall occupy an area not exceeding 25 mm² in the plane perpendicular towards the centre axis of the ear canal (this differs from EN ISO 11904-1). The microphone position shown in Figure 1 a) of EN ISO 11904-1:2002 shall be used, i.e. open ear canal and the port of the microphone shows towards the ear drum and the position is in between the ear canal entrance and the ear drum, preferably near by the ear canal entrance in a distance of a few mm.									
2	M-noise: $L_C-L_A=(+2\pm0.2)$ dB; H-orientated noise: $L_C-L_A=-1.2^{+0.1}_{-0.2}$ dB; L-orientated noise: $L_C-L_A=+6^{+0.4}_{-0.2}$ dB. Measure in one-third-octave bands and calculate the $L_C-L_A$ value.									
3	Adjust to max	imum volume.								