



CO-ORDINATION OF NOTIFIED BODIES
PPE Regulation 2016/425

PPE-R/04.041
Version 01

RECOMMENDATION FOR USE

Number of pages: 1		Approval stage :	Approved on :
Origin : VG 4 Hearing protection (submitted by BGIA, Germany)		<input checked="" type="checkbox"/> Vertical Group	21.04.2018
		<input checked="" type="checkbox"/> Horizontal Committee	21.04.2018
		<input checked="" type="checkbox"/> EU PPE Working Group	03.05.2021
Question related to	<input type="checkbox"/> PPE Regulation	<input checked="" type="checkbox"/> EN/prEN: EN 352-6:2002	<input type="checkbox"/> Other:
Article:	Annex:	Clause: Annex B	
Key words: Calculation of mean electrical input level, earmuffs with electrical audio input			
Question: Annex B of EN 352-6 asks for the calculation of the electrical input level for which the mean value plus one standard deviation of the A-weighted diffuse-field related sound pressure level of all sixteen ears is equal to 82 dB(A) . The procedure to find the mean value is not specified. How should the mean electrical input level be determined?			
Solution: Corresponding to the calculation of the criterion levels in EN 352-4 the following procedure should be applied: Determine, by interpolation where necessary, the electrical input level (X_i) for which the A-weighted diffuse-field related sound pressure level under the earmuff is equal to 82 dB for each of the 16 ears and then calculate the mean electric input level $(X_1+X_2+\dots+X_{16})/16$ and the standard deviation.			