

CO-ORDINATION OF NOTIFIED BODIES PPE Regulation 2016/425

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Question related to 🖂 F	PPE Regulation PPE Guidelines	⊠ EN/prEN: : EN 352-6:2002	☐ Other:
Article:	Annex:	Clause:	
Key words: Communication earmuffs with an audio input (by wire)			
Question: How should communication earmuffs be tested? Which requirements shall be fulfilled by these HPDs?			
Solution:			
One way system:			
1. In addition to the requirements found in EN 352-6:2002, Annex B, clause B.3 input voltages shall be given in Vrms.			
2. Assessment:			
 In case of an SPL-limitation test the limiter; the mean plus one standard deviation of the equivalent diffuse-field related SPL shall not exceed the level equal to 85 dB(A) minus 3 dB(A). 			
 In case of no SPL-limitation test the specification of the manufacturer delivered for the user (e.g. "criterion input voltage level") in order not to exceed the daily exposure limit. Two warnings have to be given in the user information like "When exceeding the specified limits a risk of hearing impairment exists" and "This hearing protector may not be used to restore entertainment.". 			
Two way system:			
Check the additional contribution to the SPL by the transmission via the microphone using an artificial mouth according to ITU-T Recommendation P.50 (09/99) and P.51 (08/96) with speech simulating noise according to IEC 60268-1 from 60 to 100 dB(A) in 5 dB- steps.			
The manufacturer has to give a warning in the user information: "The audibility of warning signals at a specific workplace may be impaired."			