



CO-ORDINATION OF NOTIFIED BODIES
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RECOMMENDATION FOR USE

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Question related to	<input checked="" type="checkbox"/> PPE Regulation	<input checked="" type="checkbox"/> EN/prEN: prEN 13819-3:2016	<input type="checkbox"/> Other:
Article:	Annex: II, 3.5	Clause: 7.4	
Key words: Hearing protectors with Bluetooth® facilities			
Question: With regard to prEN 13819-3:2016: <ol style="list-style-type: none">1. If a hearing protector with Bluetooth® facilities offers profiles for safety-related communication (e.g. HSP Headset Profile) as well as for entertainment (e.g. A2DP Advanced Audio Distribution Profile) which tests are to be performed?2. If the manufacturer specifies for an entertainment hearing protector a maximum input level below -10 dB FS which test signal levels are to be used?3. If a hearing protector that is tested as an entertainment product exceeds the sound level of 82 dB(A) for the test signal with the highest level (-10 dB FS) how can this product be certified?4. If a hearing protector for safety-related communication (with a corresponding Bluetooth® profile) does not exceed a sound level of 82 dB(A) for the test signal with the highest level (-14 dB FS)<ol style="list-style-type: none">a. can this product be certified for safety-related communication?b. is this product also suitable for entertainment?			
Solution: <ol style="list-style-type: none">1. The tests of both safety-related communication according to clause 7.4.1.1.1 and 7.4.1.1.2 of prEN 13819-3:2016 and of entertainment according to clause 7.4.1.1.3 of prEN 13819-3:2016 have to be performed and the corresponding requirements applied.2. In all cases, the highest test signal level of -10 dB FS is to be used.3. The product cannot be certified as an entertainment product. It is not recommended to certify the product as a hearing protector for safety-related communication, but to require changes in the dependence of the sound pressure level on the input signal level or a deactivation of the Bluetooth® entertainment profile(s). Background: Some devices like smartphones select and apply Bluetooth® profiles autonomously depending on the kind of signal to be transmitted (e.g. music vs. telephone calls). The user has no influence on the choice of the profile. Therefore, a specific Bluetooth® profile of a HPD should have the characteristics it is designed for – either entertainment or communication.4.<ol style="list-style-type: none">a. The hearing protector can be certified for safety-related communication even if the sound level of 82 dB(A) for the criterion level is not reached. The highest sound level (measured for the test signal with -14 dB FS) has to be declared, together with the signal level, in the test report and the user information.b. The hearing protector should not be tested and certified as an entertainment product since the profile under question is not designed for entertainment.			