

Text proposal for inclusion in chapter 16.5 of AECS-02-02-Rev.7

16.5. Hands-free audio performance

The AECS shall provide sufficient voice intelligibility for the vehicle driver.

Subject to paragraph 1.4a, **this shall be demonstrated as follows:**

- **Pre-crash voice intelligibility shall** ~~can~~ be demonstrated by proving compliance with ~~{~~ITU-T Recommendation P.1140 **06/15}** in a vehicle prior to conducting any of the tests according to Regulations No.94 and No.95.

~~The compliance with ITU-T P.1140 shall apply as follows:~~

AECS Compliance shall be checked based on ITU-T P.1140 with the following additions:

8.8.1 TCLw: TCLw should be at least 46 dB for all settings of the AGC which has to be verified by the manufacturer of the IVS system. During testing the maximum setting of the volume control cannot be reliably determined due to activated AGC. Therefore, the test is conducted with nominal system setting in quiet as described in chapter 8.8.1 of ITU-T P.1140.

8.8.3 Echo performance with time variant echo path and speech: Note that for some cars opening and closing the door may lead to unwanted warning signals during the measurement which may impact the test. In such event the test is conducted by positioning a person on the co-driver's seat that is quietly moving the inboard arm (e.g. left arm for left-hand drive) up and down during the measurement.