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| **Title:** | Proposal of a Noise Distortion Measure |

**Update of the Noise Distortion Measure Proposal**

**(Signal Enhancement Subsystem)**

In the last FG CarCOM meeting on 16-17 July 2012 in Detroit, we have presented our objective noise distortion measure for wideband and narrowband systems with two updated Quality of Service (QoS) tables by including a subjective description of each QoS class. During the meeting, the group agreed to use the term “Interpretation” for this subjective description column in each table. The group also agreed to include this updated noise distortion measure as a diagnostic tool into Annex E of the FG CarCOM draft “SubSystem Requirements for Automotive Speech Services”.

Furthermore, it was requested by the group to make references to Annex E in the main body of the FG CarCOM draft. In the current FG CarCOM draft (V.16), a reference to Annex E has been given in Section 8.2.1.2.4.4. We propose to add a second reference into Section 8.3.1 under “Enhanced Speech-to-Noise Ratio (SpNRE)”, which can be formulated as follows:

“The noise distortion caused by background noise reduction algorithms of the signal enhancement subsystem can be measured by an objective noise distortion measure, which can be found in Annex E.”

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