

**DRAFT AGENDA**

**3rd MEETING**

**WORKGROUP ON QUIET ROAD TRANSPORT VEHICLES**

**13, 14 and 15 July 2010**

**Tokyo, Japan**

**13 July – 09:30**

- 1.0 Welcome and Opening remarks
  - 1.1 Opening Remarks by Japanese Host
  - 1.2 Introduction of Participants
- 2.0 Adoption of Agenda
- 3.0 Review of Japanese Guideline and Detailed Explanation (Japan)
  - 3.1 Concept of the Guideline
  - 3.2 Discussion of the Study Committee (Key points in the Guideline)
  - 3.3 Input from experts (TBD)
  - 3.4 Technical explanation on sample sounds
  - 3.5 Q&A
  - 3.6 Vehicle Demonstrations
  - 3.7 Discussion and Summary of Japanese Guideline

**14 July – 09:30**

- 4.0 Considerations of Pedestrian Information Needs (Japan & USNHTSA)
  - 4.1 Response Times
  - 4.2 Localization Information
  - 4.3 Signal Detection Criteria
  - 4.4 Signal Recognition

- 4.5 Vehicle Type Recognition
- 5.0 Synthetic Sounds (OICA, USNHTSA, Japan)
  - 5.1 Time Characteristics of Audible Signal
  - 5.2 Frequency Characteristics of Audible Signal
  - 5.3 Amplitude Characteristics of Audible Signal
  - 5.4 Immunity from Masking
- 6.0 Review of Existing Testing Protocols
  - 6.1 Assessment of Vehicle Performance / Noise Level
    - 6.1.1. Input from SAE for test protocol (SAE)
    - 6.1.2. Issues for test protocol (Japan)
    - 6.1.3. Other Research (US, UK, Germany, ?)
  - 6.2 Assessment of Alert Sound Characteristics
    - 6.2.1 Detection
    - 6.2.2 Localization
    - 6.2.3 Masking
    - 6.2.4 Ambient Environment Effects
  - 6.3 Commonality of Testing Protocols
  - 6.4 Primary Differences of Test Protocols
  - 6.5 Harmonized Test Protocol

**15 July – 09:30**

- 7.0 Considerations for Harmonized Test Site
  - 7.1 Acoustic Environment Parameters
    - 7.1.1 Ambient Sound Levels
    - 7.1.2 Reflecting Surfaces

7.1.3 Road Surface

7.1.4 Climatic Considerations

7.2 Third Party Presence

7.3 Random Vehicle Traffic – Masking Effects

8.0 Considerations for Harmonized Test Subject Selection

9.0 Considerations for Harmonized Compliance Test Criteria

10.0 Considerations of Third Party Noise Impact

11.0 Consideration of Data from Other Researchers

12.0 Conclusions

13.0 Next Steps for Work Group

13.1 Work Program

13.2 Next Meeting ?

14.0 Outline Work Group Report to GRB

15.0 Adjourn