

ISO Activity on Interior Noise - ISO 5128

Doug Moore
Convener, ISO WG42
63rd GRB, Sept 1-3, 2015

Overview

- GRB received presentations from the Russian Federation at the February 2015 session of GRB on the subject of interior noise.
- ISO comments that work was underway within ISO to review the underlying technical standard, ISO 5128 and ISO would coordinate with the Russian Federation.
- Report to GRB for September 2015 on ISO activity and coordination with the Russian Federation and to request the opinions of GRB on ISO's proposed work plan

ISO Work to Date

- ISO WG42 members reviewed existing ISO 5128.
- ISO held an initial meeting in Dmitrov, Russia, July 2015, to gather information on potential scope and purpose for a review of ISO 5128. Potential scope areas:
 - Certification
 - Hearing loss protection (maximum levels, exposure time)
 - Evaluation of sound in relation to labor conditions/standards
 - Evaluation of sound in relation to general health standards
 - Standardized assessment of interior sound for comparisons
 - Sound label for motor car
 - Engineering assessment (e.g benchmark, comparable results, magazines,...)
 - Intelligibility of acoustic information
 - Audibility of signals intelligence systems (ITS)
 - Speech intelligibility
- ISO WG42 was able to observe Russian interior noise testing equipment, test tracks, and test procedures.

Example of Interior Noise Testing Equipment



ISO Work Plan

1. Continue to gather background information on human health protection, safety, regulatory assessment, consumer information, and driver issues relating to interior noise levels.
 - ISO will coordinate and cooperate with all GRB contracting parties interested in this work and will make regular updates to GRB on progress.
2. Request opinion of GRB on relevant scope and purpose for interior noise measurement and/or regulation.
3. Once scope and purpose are determined, investigate technical methods to provide representative, repeatable, reproducible, and practical test measurement methods.
4. ISO would expect to launch a formal ISO work item on ISO 5128 once scope and purpose are determined, and initial technical concepts are determined.

GRB Comments