GTB Mirror Working Group SAE

Status Update

Presented to GRE-72 – October 2014
Introduction

Dialogue between SAE Lighting Systems Group and NHTSA

**Scope:** “A forum for dialogue between NHTSA and the SAE Lighting Committee for discussion of vehicle lighting topics of mutual interest”

SAE *Regulatory Cooperation Task Force*
- Established – April 2012
- Chairman: Mike Larsen
- Vice-Chairman: Stephan Berlitz

GTB established *Mirror Group working with SAE*
- Established – May 2012
- Chairman: Stephan Berlitz
- Vice-Chairman: Gary King

Cooperation of global vehicle lighting experts
SAE Regulatory Cooperation Task Force Activities

- **2 April 2013**: SAE Lighting Systems Group meeting with NHTSA:
  - Executive Overview
  - In-depth Technical Exchange
  - Reviewed Recent Trends in Lighting Technology
    - Focus on headlighting

- ADB test vehicles for NHTSA – support activities
  - Generated list of ADB equipped vehicles and systems (Aug 2013)
  - Contact OEMs for lease vehicles to be delivered in US (Sep 2013)
  - Delivery of vehicles to NHTSA Vehicle Research and Test Center at VRTC, East Liberty, Ohio (Oct/Nov 2013)
Main task: Support NHTSA in evaluation of ADB

- **NHTSA Project Scope**
  - **Phase 1**: test vehicles per ECE R48 and collect illuminance information at various points for an exposed vehicle using an instrumented 2\textsuperscript{nd} vehicle (Oct-Dec 2013)
  - **Phase 2**: Investigate quantitative approach to ADB assessment
  - **Phase 3**: Try out the modified test procedure and evaluate objective data (Spring 2014)

(Picture from: NHTSA Presentation at SAE Government Industry Meeting)
SAE Standards & US Regulations

The National Technology Transfer and Advancement Act of 1995 (NTTAA)

NTTAA, Section 12(d):

*Federal agencies “shall use technical standards that are developed or adopted by voluntary consensus standards bodies, using such technical standards as a means to carry out policy objectives or activities,” except when an agency determines that such use “is inconsistent with applicable law or otherwise impractical.”*

White House Office of Management and Budget (OMB)

OMB created revised Circular A-119 in response to the enactment of the NTTAA

- **Circular A-119, "Federal Participation in the Development and Use of Voluntary Consensus Standards and in Conformity Assessment Activities"**
- Circular A-119 can be found at [http://www.whitehouse.gov/omb/circulars_a119/](http://www.whitehouse.gov/omb/circulars_a119/)
  - Currently under revision
Next Steps

- Support NHTSA/VRTC
- Collaborate with SAE on draft SAE J3069 standard
Thank you for your attention