

SCR Systems / Sensors Break-Out Session

The purpose of this Breakout Session is to openly review different types of SCR systems that manufacturers have implemented or are developing, functional highlights of and concerns with those systems, regulatory diagnostic requirements and advisories, driver notification of reductant level and vehicle reaction strategies relative to depletion of reductant, and, primarily, intended diagnostic implementations for those systems and concerns / issues with same. SCR system diagnostics additionally open new challenges, needs and opportunities for sensor technology to facilitate mandatory diagnostic requirements and driver-friendly implementations of new technology. These include, but are not limited to, NOx sensors, reductant quality sensors, reductant level sensors, etc.

Although this emissions reduction methodology is being implemented primarily by diesel manufacturers, it is indeed applicable to all applications for emissions reduction and, hence, could be of interest to many of the Symposium participants.

Moderators:



John Van Gilder, General Motors LLC



Hal Zatorski, Chrysler Group LLC

Hybrid Break-Out Session

This session will discuss possible approaches to OBD for different hybrid architectures and emissions certifications standards. Participants will be invited to share their interpretation of the existing regulatory language surrounding hybrid OBD and possible upcoming changes in the next light duty regulation.

Moderator:



Andrew Zettle, General Motors LLC

Communications Break-Out Session

As OBD communication requirements increase in complexity, many questions come up with regards to interpreting the multitude of SAE and ISO communication standards used for OBD communication in these vehicles. This breakout session is intended to discuss and review the new requirements in order to share the issues, challenges and lessons learned.

Moderator:



Paul Baltusis, Ford Motor Co

Service Issues Break-Out Session

Standardization of OBD communication protocols, test modes and DTCs greatly improved service technician access to vehicle on board diagnostic information. Increasing complexity brought on by new OBD monitors, general "system" DTCs and distributed control systems are making vehicle diagnosis difficult. This breakout session is intended to share the issues and challenges and to explore what changes could be made to both on board and off board diagnostics to improve the vehicle repair process for the future.

Moderator:

TBD