



CSA Standards Update to DOE Coordinating Committee  
October 7, 2009 Meeting

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## **8 Documents Published**

### **Infrastructure Equipment and Components**

- Compressed Hydrogen Dispensers (CSA America HGV 4.1)
- Hoses and Hose Assemblies (CSA America HGV 4.2)
- Breakaway Devices for Hoses (CSA America HGV 4.4)
- Priority and Sequencing Equipment (CSA America HGV 4.5)
- Manually Operated Valves (CSA America HGV 4.6)
- Standard for Automatic Pressure Operated Valves (CSA America HGV 4.7)
- Hydrogen Fittings, (CSA America HGV 4.10)

### **On-board Vehicle Equipment and Components**

- Pressure Relief Devices for Compressed Hydrogen Vehicle Fuel Containers (CSA America HPRD1)

## **5 Documents In Process**

### **Infrastructure Equipment and Components-December 2009**

- Fueling Parameter Verification (CSA America HGV 4.3)
- Hydrogen Gas Vehicle Fueling Station Compressor (CSA America HGV 4.8)
- Hydrogen Fueling Station Guideline (CSA America HGV 4.9)

### **On-board Vehicle Equipment and Components-March 2010**

- Fuel System Components for Hydrogen Vehicles (CSA America HGV 3.1)
- Compressed Hydrogen Gas Vehicle Fuel Containers (CSA America HGV 2)

## **New Documents**

- **Power Industrial Truck Applications (2 new standards)**  
CSA Standards Advisory Council met on September 21, 2009 and agreed the CSA coverage should be revised address the niche market applications. It was agreed however that the current work for the automotive sector could not be impeded.

The advisory council directed the CSA Automotive Technical Committee to establish separate Technical Advisory Groups (TAG) for the Power Industrial Truck Onboard Component Application and Power Industrial Truck Fueling. These TAGs will report to the Automotive Technical Committee.

The TAGs will be responsible for developing two separate documents specific to the Powered Industrial Truck application that uses the basic knowledge from all of the existing CSA standards but provides detail for any differences. There will be one standard that addressed all components for this application and one standard that addresses the fueling.

- **Suitability of Materials to be used in a Hydrogen Environment (1 new Jt. CSA/SAE standard)**  
For suitability of materials to be used in a hydrogen environment, the parties agree that each organization will lead in their respective domains; SAE on vehicles and CSAA on vehicle components, fueling stations, appliances



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and accessories as dictated by the standards. Both parties agree to keep each other aware of project plans to avoid duplication. Any nascent standards shall be governed by the rules of the organization of its origins.

- **On board Fuel System Guideline (Generic) (1 new Jt. CSA/SAE standard)**

At the last SAE meeting there was discussion that industry would benefit from the guidance/insight obtained through development of the SAE J2579 document and CSA HGV2, HPRD1 and HGV 3.1 component documents. CSA and SAE agreed to jointly pursue development of a generic guideline. The detailed scope of this document has yet to be developed.