

# United Nations Round Table

## ***Global Harmonization of Regulations, Codes & Standards (RC&S) for Gaseous Fuels***

*Prepared by Jeffrey Seisler, representing  
the European Natural Gas Vehicle Association (ENGVA)  
& the International Association for NGVs (IANGV)  
and  
Randy Dey (Global Cooperation Group), representing  
the International Standards Organisation (ISO)  
for the 48<sup>th</sup> session of GRPE*

# ***Rationale for the Round Table***

- **There are natural synergies between NGVs & H2Vs (and their fuelling infrastructures).**
- **Global harmonization of RC&S is a key factor in the introduction of hydrogen and hydrogen vehicles (H2Vs) into the market.**
- **The development of the global natural gas vehicle (NGV) industry in the last two decades has resulted in a need to harmonize existing RC&S developed in different countries and by different organizations.**

# ***Scope of the Round Table***

- **Global harmonization of RC&S for gaseous fuels, which includes natural gas and hydrogen for transportation applications.**

# ***Participants in the Round Table***

- **Members of WP.29, including NGOs such as OICA, ISO, IEC, IANGV/ENGVA and SAE;**
- **Hi-level executives from infrastructure and automotive organizations currently focused on natural gas, hydrogen and fuel cell activities;**
- **Expert speakers with broad knowledge of standards organizations**

**Proposed Chairman**

**Mr. Bernard Gauvin**

# ***Goals of the Round Table***

- **Articulate the need for global harmonization based on actual experience**
- **Discuss harmonization strategies and agree on a process for advancing harmonization of RC&S for hydrogen and natural gas vehicles**
  - **ENGVA/INGVA proposal (informal doc. No. GRPE-47-2)**
  - **Global Cooperation Group (GCG) (See next slide)**
  - **Others**
- **Prepare a report to WP.29 for their acceptance and support**

# ***Global Cooperation Group (GCG)***

- **The GCG has been active in the work of harmonization of Regulations, Codes and Standards (RC & S) in the field of hydrogen and fuel cell technologies since 2002.**
- **The GCG has met several times with participation from automotive & infrastructure companies, governments and SDOs from Canada, China, Europe, Japan and the US.**
- **The next meeting: 27 June 2004 in Yokohama, Japan in conjunction with the 15<sup>th</sup> World Hydrogen Energy Conference (see [www.whec15.jp/data/pro.html](http://www.whec15.jp/data/pro.html))**