

GRPE ad hoc WG Meeting
Cologne, 14-15 November 2002

**Cooperation between the
UN-ECE/GRPE ad hoc WG on
Hydrogen Vehicles – Onboard
Storage Systems and ISO**

by Randy Dey and Sylvie Gingras,

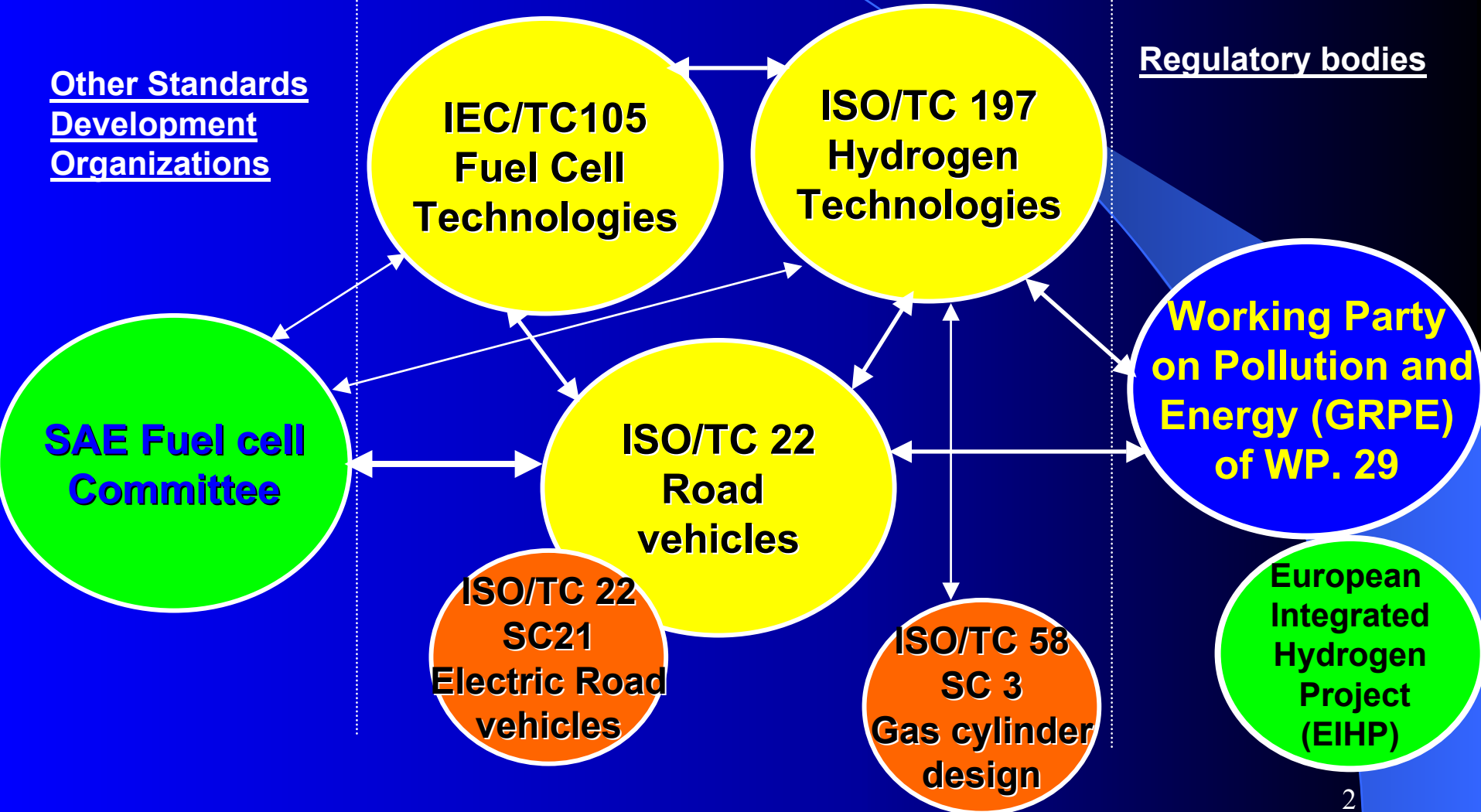
ISO/TC 197 Officers

International Cooperation

Technical committees of International Standards Development Organizations

Other Standards Development Organizations

Regulatory bodies



Third meeting GRPE ad hoc WG 4-5 June 2002 in Nabern

- The GRPE ad hoc WG requested that the differences between the EIHP draft regulations and the ISO drafts standards be reconciled.

Meetings

- Meetings of GRPE/ISO group of experts were held:
 - 29-30 July 2002 in Munich
 - 25-26 September 2002 in Montreal
 - 24-25 October 2002 in Vancouver
- Experts from both the GRPE ad hoc WG and the ISO/TC 197 working groups participated.
- Also experts from ISO/TC 22 *Road vehicles* and the Society of Automotive Engineers (SAE) were also invited to participate for wider consensus

Results of meetings

LH₂ onboard storage system

- All the technical differences between the GRPE draft regulation and the ISO/DIS 13985 Liquid hydrogen – *Land vehicle fuel tanks* were resolved based on a consensus approach

Differences GH₂ onboard storage system

- ISO/CD 15869-2 uses a design/prescriptive approach per ISO 9809-1, ISO 9809-2 and ISO 7866.
- The current GRPE regulation uses a performance based approach

Conclusion

- A lot of work has been achieved towards the technical convergence of the GRPE draft regulations and the ISO draft standards.
- ISO appreciates the open-minded approach of the GRPE ad hoc WG members that made this GRPE/ISO cooperation possible.
- We certainly hope that this work will be used as the template for the future.