

## IPHE-ILC meeting 02/03/04

C. Albus – Federal Ministry of Transport, Building and Housing, Germany

### C, R & S

- **Codes** (national/regional laws)
- **Regulations, Directives**
- **Standards** (ISO, ...)

### Road vehicles

(passenger cars, trucks, busses, motorcycles,  
tractors, mobile machinery )

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Development of vehicle regulations within the  
framework of :

Economic Commission for Europe  
under the United Nations (UN-ECE)

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UN-ECE →

Inland Transport Committee (ITC) →

World Forum for Harmonization of Vehicle  
Regulations (WP.29) →

Subsidiary expert bodys („G-groups“)  
Working Party on Pollution and Energy (GRPE)

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- Agreements administered by WP.29
  - 1958 Agreement (UN-ECE Regulations)
  - 1998 Global Agreement ( Global Technical Regulations – GTR)
  - (1997 Agreement on Periodical Technical Inspections)

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Development of a GTR  
for Hydrogen / Fuel Cell Vehicles (H<sub>2</sub>/FC-GTR)

GRPE informal group „H<sub>2</sub>/FC vehicles“

Action Plan to H<sub>2</sub>/FC GTR

Next meeting – Washington DC – April 04

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### Development of H<sub>2</sub>/FC-GTR

- Onboard Storage Systems (LH<sub>2</sub>, CGH<sub>2</sub>)
- Electric safety
- Crash safety
- Normal operation safety
- Emissions, consumption
- ...
- ...

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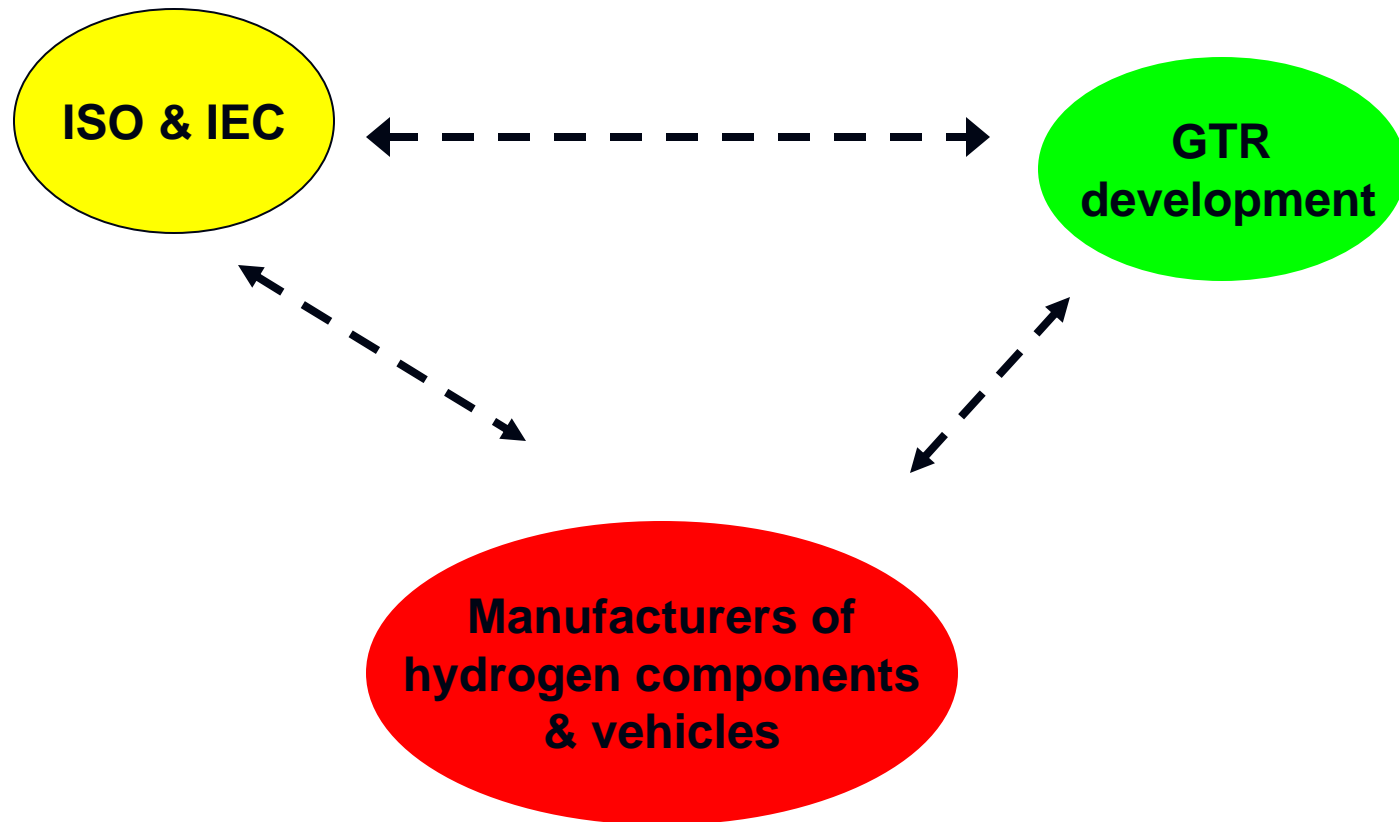
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### Development of H2/FC-GTR - Timeframe (plan)

- 2010 – Certifications for H2/FC vehicles
- 2007 – GTR for H2/FC vehicles
- 2004-2007 Development H2/FC-GTR
- 2004 Proposal to develop H2/FC-GTR
- 2004 Action Plan H2/FC GTR

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Proposal to IPHE: No additional activities on  
C, R & S for H2/FC road vehicles

but

Exchange of information between IPHE and  
UN-ECE/WP.29 will be fruitful

<http://www.unece.org> ( transport, vehicle regulations )

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### **If requested by IPHE-ILC**

WP.29 will deliver more detailed information  
and / or  
interim reports about status of work

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### **IPHE-ILC scoping paper on C, R & S**

WP.29 will check chapter 1 (road vehicles) and requests to deliver an amended text

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<http://www.unece.org> ( transport, vehicle regulations )

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