



# **UN ECE - INFORMAL GRPE WORKING GROUP HYDROGEN FUEL CELL VEHICLES - H2FCV SUB-WORKING GROUP ENVIRONEMENT.**

## **2nd MEETING**

**UNECE, Palais des Nations, Geneva,**

January 16th 2006



# DRAFT AGENDA

1. ADOPTION OF THE AGENDA – ORGANIZATIONAL INFORMATION
2. ADOPTION OF THE 1st HFCV-SGE MEETING MINUTES  
*Document: Draft HFCV-SGE-1*
3. UPDATE ABOUT THE 136th AND 137th WP.29 / AC.3 DECISIONS  
*Documents: TRANS/WP.29/1041  
TRANS/WP.29/1047  
Informal Document N° WP.29-137-13/Rev.1*
4. OVERVIEW OF THE CURRENT REGULATORY SITUATION: EU, JAPAN, USA
5. REVIEW OF THE ITEM LIST TO BE ADDRESSED BY SGE: ISO, MATRIXES ...
6. TECHNICAL REPORT: RESPONSABILITIES (WHO? BUDGET?) AND THE PROCEDURE TO DRAFT THE TECHNICAL REPORT
7. FURTHER ACTIONS: TIME SCHEDULE; NEXT MEETING(S) LINKED WITH GRPE OR SCHEDULED OTHERWISE? ETC.
8. ANY OTHER BUSINESS (WEBSITE HOSTING OF HFCV)



### 3. Update about the 136th and 137th Wp.29 / AC.3 decisions

(1/3)

#### TRANS/WP.29/1041 (7 July 2005)

21. Regarding the development of a gtr on hydrogen and fuel cell vehicles (HFCV), WP.29/AC.2 recommended AC.3 to consider further possible developments regarding passive safety and environmental aspects.

104. Agenda item 2.5.14., **hydrogen and fuel cell vehicles**. AC.3 approved the concept of two subgroups coordinated by a project manager (WP.29-136-24) – an environmental subgroup under GRPE and a safety subgroup under GRSP. It was agreed that the project manager would report directly to AC.3. The next meeting of the safety subgroup is scheduled to be held in Japan in October 2005.



### 3. Update about the 136th and 137th Wp.29 / AC.3 decisions (2/3)

#### TRANS/WP.29/1047 (8 December 2005)

15. ... WP.29/AC.2 recommended submitting all these documents for consideration to WP.29 and AC.3, together with a preliminary status report (WP.29-137-13/Rev.1) regarding the gtr on hydrogen fuel cell vehicles (HFCV), transmitted by the Project Manager.

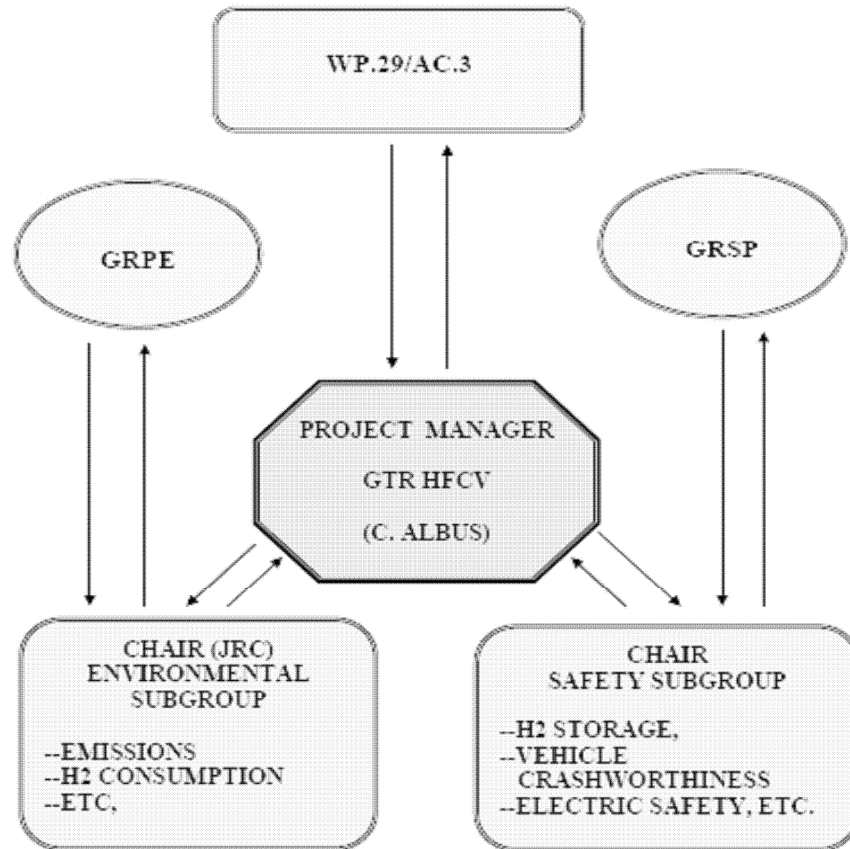
106. Agenda item 2.5.14., **hydrogen and fuel cell vehicles (HFCV)**. AC.3 was informed on the progress report on the development of the gtr and on the modification in the structure of the informal group (WP.29-137-13/Rev.1).



### 3. Update about the 136th and 137th Wp.29 / AC.3 decisions

(3/3)

Organizational Chart for the Implementation of the Roadmap for the Development of a GTR on Hydrogen Fuel Cell Vehicles





## 5. Review of the item list to be addressed by SGE: ISO, matrixes ...

	FC	Hybrid		ICE	APU
	H <sub>2</sub>	FC	ICE-H <sub>2</sub>	Mono fuel (H <sub>2</sub> ) Bi-fuel Blends Dual fuel	H <sub>2</sub>
<b>Environmental &amp; Energetic aspects</b>					
<b>Fuel Consumption</b>	x	x	x	x	x
<b>CO<sub>2</sub> emission</b>				Bi-fuel, blends & dual fuel	
<b>External Electrical consumption</b>		x	x		
<b>Pollutant emissions</b>			x (NO <sub>x</sub> )	x	
<b>H<sub>2</sub> &amp; H<sub>2</sub>O emissions</b>	x	x	x	x	x
<b>Engine Power (measurement Procedures)</b>	x	x	x	x	
<b>Maximum speed (measurement Procedures)</b>	x	x	x	x	
<b>Fuel quality (reference)</b>	x	x	x	x	x
<b>Recycling</b>	x	x	x	x	x
<b>Disposal (hazardous mat.)</b>	x	x	x	x	x
<b>Noise</b>	x	x	x	x	x



	FC	Hybrid		ICE	APU
	H <sub>2</sub>	FC	ICE-H <sub>2</sub>	Mono fuel (H <sub>2</sub> ) Bi-fuel Blends Dual fuel	H <sub>2</sub>
	Research Needs				
<b>Fuel Consumption</b>					
<b>CO<sub>2</sub> emission</b>					
<b>External Electrical consumption</b>					
<b>Pollutant emissions</b>					
<b>H<sub>2</sub> &amp; H<sub>2</sub>O emissions</b>					
<b>Engine Power (measurement Procedures)</b>					
<b>Maximum speed (measurement Procedures)</b>					
<b>Fuel quality (reference)</b>					
<b>Recycling</b>	X	X	X	X	X
<b>Disposal (hazardous mat.)</b>	X	X	X	X	X
<b>Noise</b>					



## 6. Technical report: responsibilities (who?, budget?) and the procedure to draft the technical report.

Global Technical Regulations Format -TRANS/WP.29/883 (3 September 2002)

Technical Report Format – a proposal:

1. Scope
2. Applications
3. Definitions
4. Survey of applicable regulations/directives/standards
5. State-of-art of research in the topic (indicate if further research is needed)
6. Assessment of the harmonisation (necessity specifications...)
7. References

**Procedure?**

**Who?**

**How?**