



**Informal Document No. GRSP-47-14**  
**(47th session, 17-21 May 2010,**  
**agenda item 17)**

# **47th GRSP Session**

## **Status report of**

### **Informal Group on FI**

**Pierre CASTAING**  
Chairman

## **December 2007**

- **French proposal to amend Regulation N°94 (Frontal impact) by changing the type of deformable barrier element and revising testing procedure.**

## **March 2008**

- **WP.29 gave its consent to set up a new informal group.**

## **May 2008**

- **GRSP adopted the terms of reference of IWG R94**
  - updating of the current R94 regulation
    - Proper justification shall be provided and assessed by the informal group.
    - In addition a cost benefit study shall be made.
  - focusing on self-protection but not to go against future compatibility requirements.
  - propose complementary test methods, if necessary.
  - target completion date May 2010.

1. 19<sup>th</sup> May 2008 – UNECE – GENEVA
2. 6<sup>th</sup> October 2008 – OICA – PARIS
3. 9<sup>th</sup> December 2008 – UNECE – GENEVA
4. 10<sup>th</sup> March – OICA – PARIS
5. 25<sup>th</sup> May 2009 – UNECE – GENEVA
6. 15<sup>th</sup> September 2009 – OICA – PARIS
7. 07<sup>th</sup> December 2009 – UNECE – GENEVA
8. 04<sup>th</sup> March 2010 – BAST – BERGISCH GLADBACH
9. 27<sup>th</sup> April 2010 – CCFA – PARIS

- ⚡ **Two next meetings of FI Group to draft a schedule of the Informal Group on Frontal Impact aligned with the schedule of activities going on, to look at, and answer open items?**
  - 4<sup>th</sup> March 2010
  - 27<sup>th</sup> April 2010
  
- ⚡ **Adjust FI Group ToRs and planning for presentation at the May session of GRSP**

## Conclusion after two new meetings (1)



- ⚡ The group has identified and will continue to integrate, a certain number of points into R94

- ⚡ **Change of test severity in Offset test**
- ⚡ **Introduction of Full Width test in frontal impact**
- ⚡ **Protection of female occupants**
- ⚡ **Protection of older occupants**
- ⚡ **Protection of rear occupants**
- ⚡ **Geometric requirements**



## Conclusion after two new meetings (2)

---

- ⚡ During the next year work in parallel with EU Projects THORAX and FIMCAR and collaboration with other countries involved in R94 will take place

Open items for frontal impact regulation	EU-Projects Seventh Framework Programme																																											
	Projects	Closing Dates																																										
		2010												2011												2012																		
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12							
Offset Test	FIMCAR Frontal Impact and Compatibility Assessment Research	WP2: Offset Test Procedure																																										
Further development for compatibility			Validation, repeatability, robustness												Suitability for regulation																													
Full Width Test		WP3: Full Overlap Test Procedure																																										
Requirements for geometric alignment	WP6: Synthesis of Assessment Methods																																											
50 <sup>th</sup> percentile dummy with improved thorax	THORAX Thoracic Injury Assessment for Improved Vehicle Safety																																											
5 <sup>th</sup> percentile dummy with improved thorax		Potential for injury reduction: Age, size, sex of dummy and injury risk functions	Demonstrator ready: only 50 <sup>th</sup> percentile												Evaluated Thorax: only 50 <sup>th</sup> percentile																													

↑

**47th GRSP**

↑

**48th GRSP**

↑

**49th GRSP**



## Conclusion after two new meetings (3)



- ⚡ The group has difficulties at this stage for a clear planning with regard to delivering a draft for a new R94 yet, but will come back to GRSP in May 2011 with a clear planning.



**47th GRSP Session  
Status report of  
Informal Group on FI**

**Pierre CASTAING**  
Chairman