

DRAFT AGENDA

4th meeting of the GRSG informal group on the introduction of plastic glazing for windscreens and laminated plastic panes other than windscreens in UN Regulation N°43

Venue: Federal Ministry of Transport, Building and Urban Development Division (BMVBS)
Meeting room no 0.105 (ground floor)
Robert-Schuman-Platz 1 D - 53175 Bonn
Germany

Access information: see page 3

Chairman: Dr. Klaus Preußer (D) (dr.klaus.preusser@t-online.de)
Secretariat: Mr. Olivier Fontaine (OICA) (ofontaine@oica.net)

Duration of the sessions: Tuesday, 06. March 2012: starting at 10:30 am
until Wednesday, 07. March 2012: ending at 4:00 pm

Note: Any comments or documents relating to this meeting should be sent to the OICA Secretariat (ofontaine@oica.net) in e-format well in advance of the meeting, so that documents can be made available to the UNECE secretariat for publication on the website of WP29.

1. Welcome and Introduction

2. Approval of the agenda

Document: IGPG-04-01 (Chair)

3. Revision and approval of the draft minutes of the 3rd meeting

Document: IGPG-03-15 (Secretariat)

4. Proposal for a wiper test

5. Discussion about the relevant abrasion test(s)

5.1. Key parameters

- Reproducibility of the test, i.e. test not too sensitive to the test equipment
- Well simulating the reality (practicability)
- COP should be possible mainly (but not only, depending on the shape) on real parts.
- Ensuring proper safety level (the test would permit to achieve a level of safety at least equivalent to the level currently achieved by glass with the Taber test)

5.2. Amtec Kistler

- Test method: per ISO 20566, as amended by the Task-force
- Performance requirements to be defined in accordance with the “Table of equivalence”

5.3. Taber

- Per Annex 3, paragraph 4 of UN R43
- Performance requirements: 2% haze

5.4. Sand drop

- Per Annex 10 of UN R22 (Protective helmets – text available at <http://www.unece.org/trans/main/wp29/wp29regs21-40.html>):
- *“Three kilograms of 0.50/0.7 mm grain size quartz sand dropped from a height of 1,650 mm onto a sample mounted on a turntable, at a 45° angle to the direction of the sand”*
- Performance requirements to be defined in accordance with the “Table of equivalence”

5.5. Spray

- per Annex 6, Appendix 3 of UN R112 (headlamps)
- Test method (excerpt): *“Lamp lenses subjected to the action of a sand jet (25 g of sand per litre of water, with a grain size between 0 and 0.2 mm) sprayed almost perpendicular at a distance of 380 mm to the surface and at an operating pressure of 6.0 bars”*
- Performance requirements to be defined in accordance with the “Table of equivalence”

6. Test of Resistance to Chemicals**7. Test of Optical Qualities****8. Further discussion of the draft regulatory text**

Document: ECE/TRANS/WP.29/GRSG/2009/8 (D)

9. List of action items for next meeting**10. Schedule for further IG meetings**

Document: GRSG-99-25 (D)

IGPG-04 : Bonn 6/7 March 2012

IGPG-05 : Paris 5/6 September 2012

11. Any other business

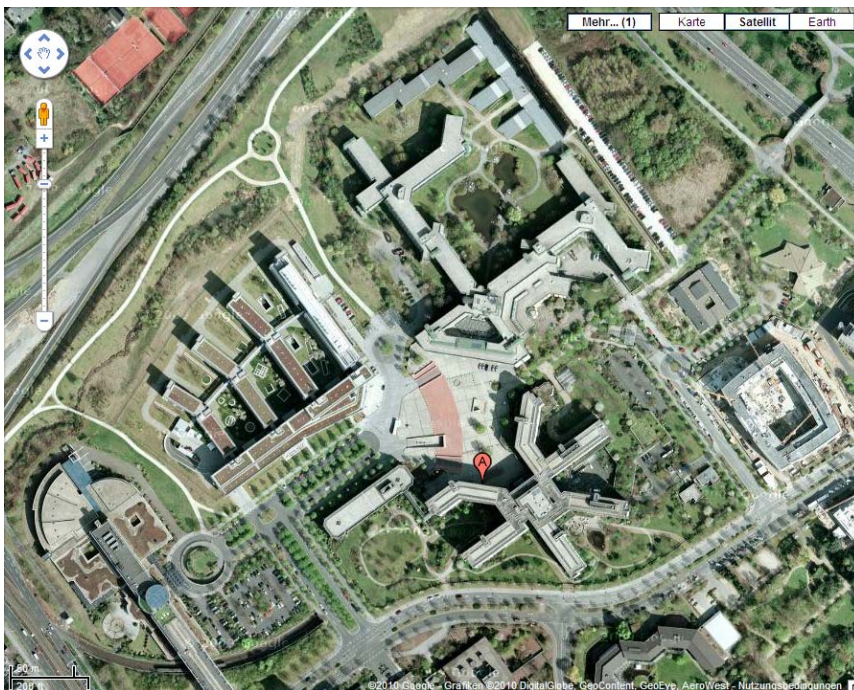
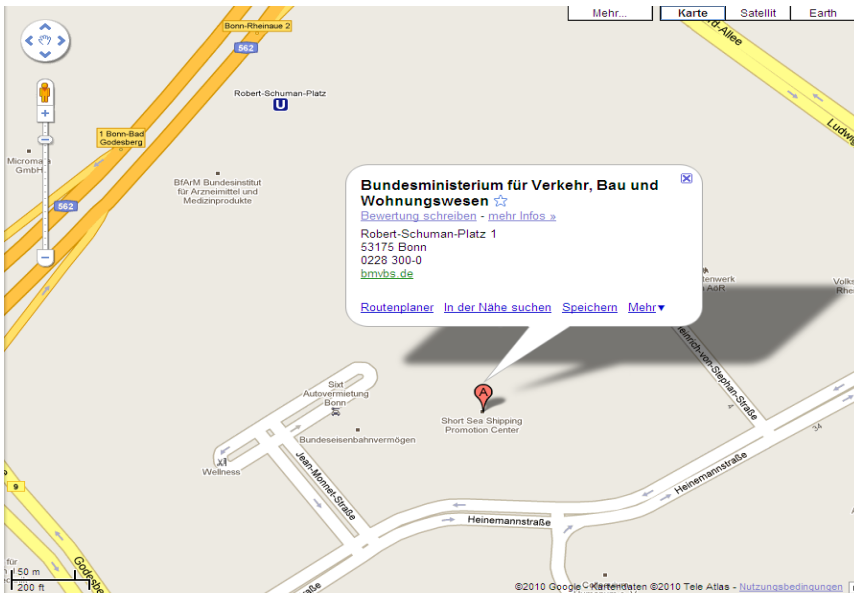
Address:

Federal Ministry of Transport, Building and Urban Development (BMVBS)

Office building at

Robert-Schuman-Platz 1**53175 Bonn, Germany**

Link how to reach the ministry:

http://www.bmvbs.de/EN/TheMinistry/HowToReachTheMinistry/how-to-reach-the-ministry_node.html**Meeting room no.: 0.105 (ground floor)**

Travel Information:

- If you arrive at Bonn Hauptbahnhof (**Central Station**), you should take the **underground line 66 (U66 or STR66, direction Bad Honnef or Königswinter)** and get off at Robert-Schuman-Platz station, walking distance 2 min **or** as alternative you can take the U16 or U63 and get off at Deutsche Telekom/Olof-Palme Allee station, walking distance approx. 12 min **or** take a No. 610 or No. 611 bus and get off at Volksbank-Haus, walking distance approx. 7min
- If you arrive at **Cologne/Bonn Airport**, you should take bus No. SB60 and get off at Hauptbahnhof (Central Station) in Bonn
- If you arrive at **Frankfurt Airport**, you can take either a high-speed train to Siegburg/Bonn and take the underground line 66 (**U66 or STR66, direction Bad Honnef or Königswinter**) and get off at Robert-Schuman-Platz station, walking distance 2 min (travel time in total: approx. 75 min) **or** you can take a train from Frankfurt Airport to Bonn Central station and take take the underground line 66 (**U66 or STR66, direction Bad Honnef or Königswinter**) and get off at Robert-Schuman-Platz station, walking distance 2 min (travel time in total: approx. 150 min)

Google-Maps Link to the Ministry (office building in Bonn):

<http://maps.google.de/maps?hl=de&safe=active&q=bmvbs+bonn&ie=UTF-8&sa=N&tab=il>

Link to **Public Transport** in Bonn (metro):

<http://www.vrsinfo.de/englisch/the-vrs/vrs-about-us.html>

(Link to timetable of underground line U66:

http://www.vrsinfo.de/fileadmin/Dateien/minis/s_Linie_66.pdf)

Link to **Hotel reservation** service (HRS):

www.hrs.de

The Hotel Maritim (<http://www.maritim.com/en/hotels/germany/hotel-bonn>) is in walking distance to the ministry building.

But it is also very convenient to book a hotel in the city-centre of Bonn. The underground U66 starts from the central station (which is near the city-centre) and stops directly in front of the ministry building.