

2nd Meeting: WP29 - GRSP – Informal WG on Electrical Safety (ELSA)

Washington – U.S. Department of Transportation

14. May 2008, afternoon

15. May 2008, morning

Meeting Report

Mr. Kellermann as representative of the German Department of Transport welcomed the attendees of the second meeting of the informal working group on Electric Safety.

Mr. Kellermann announced that Mr. Sasse is no longer available to chair the group, and that the new chairman of ELSA will be Mr. Heiko Mertens and the secretary will be Mr. Thomas Goldbach.

Mr. Kellermann then turned the meeting over to Chairman Mertens.

Agenda (see ELSA-2-1)

The experts from Korea requested an opportunity to make a presentation concerning “*Proposal for Rulemaking Process of Electrical Safety Regulation for Fuel Cell Vehicle High Voltage Systems*”. It was agreed that the presentation should be made under agenda item 6 “Miscellaneous”.

With the above amendment the agenda was adopted.

Meeting Minutes of the first Meeting (see ELSA-1-1)

Minutes of the first meeting were approved without revision.

Terms of References (ToR, see ELSA-2-3)

The German Ministry of Transport distributed together with the agenda a proposal for the ToR. This proposal was the basis for the discussion. In addition to minor editorial revisions, the following main amendments were agreed:

- The focus of the group should not be limited to protection against electric shock. It was agreed that the aim of the group should be to define electric safety provisions.
- Under §1 two footnotes were added to describe the tasks of the group.
- Under § 5 the attachment 101 of the Japanese Technical Standards was added.
- New § 7 was inserted stating that relevant international standards should be considered.
- In § 8 timing for the amendment of ECE R100 was added.

During the discussion about the ToR it was clarified that the informal working group on Electric Safety is a subgroup of GRSP and would have the dual

responsibility to develop proposed amendments to ECE R100 and electrical safety provisions for the global technical regulation (GTR) concerning hydrogen fuel cell vehicles.

It was agreed that the amended ToR should be distributed with a two-week period for review and comment.

(Remark: The ToR were subsequently presented by Germany during the 43rd GRSP Meeting as informal document GRSP-43-21.

As of the conclusion of the comment period on May 30th, 2008, only comments proposing minor changes were sent to the chairman. The proposed changes will be incorporated into the document.)

Proposed structure of the sub-sections (see ELSA-2-4)

Thomas Goldbach presented a proposal for a possible structure of the two sub-sections. The proposal was based on the structure of the documents which are mentioned in § 5 and § 6 of the ToR.

During the discussion it was agreed that the scope of ELSA would not be limited to protection against electric shock, but rather would more generally address “electric safety provisions”.

The ToR mentioned that the group will not attempt to harmonize current national crash tests, but will instead include language in the sub-section “post-crash” specifying that the Contracting Parties should apply their existing crash tests and check for compliance with an agreed set of requirements and limit values.

Furthermore it was agreed that the requirements concerning “electrolyte spillage ” and “battery pack retention” should, if necessary, be described under 3.2 “Energy storage device retention”.

Date and venue of the next Meeting

The following was agreed by the group:

Date: 22. – 24. May 2008

Venue: German Ministry of Transport in Bonn

Miscellaneous (see ELSA-2-5)

Professor Jaehong Park from Korea presented a proposal for rulemaking process of electrical safety regulation for fuel cell vehicle high voltage systems. It was an interesting presentation and the group will have the proposal in mind when working on the electric safety provisions.

Thomas Goldbach, 05.06.2008