Transmitted by the VPSD Secretary Informal document No. **VPSD-05-09**

**Report**

**5th meeting of the GRPE Informal Working Group on VSPD**

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| **Date** | 13 January, 2015 |
| **Timeframe** | 14:30 – 17:30 (or earlier if business completed) |
| **Informal Document** | VPSD-05-09\_report |
| **Venue** | Palais de Nation, Geneva, Switzerland |

1. **Agenda**

The agenda was agreed upon as distributed under filename: “VPSD-05-06”.

1. **Finalization of the VPSD document**

During the 4th session in Brussels, the group agreed on document no. “VPSD-05-02” as the outcome of the discussion.

During the revision of the HDH-definitions for the alignment with the latest VPSD terminology, Mr Albus understood that it might be not very practical to use the word “propulsion” each time ahead of terms like “internal combustion engine” or “electric machine”. Therefore he proposed that, in vehicle regulations, the definitions of fuel storage system, RESS, ICE, electric machine and fuel cell are understood as the main propulsion parts of the powertrain without explicitly adding the word “propulsion”. In cases where, in vehicle regulations, energy converters or energy storage systems are peripherals or auxiliaries, they will need a specific terminology and definition (e.g. fuel pump, auxiliary electric machine).

Accordingly Mr Albus has amended part B of the VPSD document: see “VPSD-05-04\_VPSD-part B status 14-12-30”.

The numbering of paragraphs was then corrected and uploaded as “VPSD-05-04r1\_VPSD-partB status 15-01-02” during the meeting.

The IWG reviewed the latter document and agreed on the version uploaded as “VPSD-05-04r2\_VPSD-partB status 15-01-13”.

In particular, it was decided:

2.1 .to remove “propulsion” from the terms but to add it to the definitions with the addition of “unless otherwise characterised”, in order to open up for possible auxiliary fuel storage systems or peripheral fuel storage systems. Such proposal is still under revision.

2.2. to underline a term any time that its definition follows inside the document.

2.3 to use Kind instead of Categories.

2.4. to use Mechanical energy instead of Power, and “**to** the wheels”.

2.5 to delete “todays” and replace by “today’s”.

2.6 to delete Chapter 6 from the GRPE informal document, since not yet ready. It will be further elaborated in WLTP and LPPR.

An informal document for upcoming GRPE-70 session will be developed taking the outcome the discussion into account and submitted by the Chair.

**3. Amendments to HDH document**

Ahead of the current meeting, Mr Albus prepared a revision of the HDH document No. WP29/2014/84 (Proposal for draft Amendment 3 to global technical regulation (gtr) No. 4), which was uploaded as “VPSD-05-05\_HDH rev1”. The IWG reviewed it in details and agreed on it, pending following change:

3.1 Pag. 178, Table 15 (before A.9.5.8.2) the term should be RESS and not REESS.

Mr Richter/OICA prepared a new revision of the latter document, which was uploaded as “VPSD-05-05\_HDH rev2”. Some comments on hybrid engines could not be solved. As ad-interim proposal, a “hybrid engine” became “hybrid vehicle engine”.

The outcome of the discussion, “VPSD-05-05\_HDH rev3”, will be submitted as an informal document for the upcoming GRPE-70 session.

**4. Next steps:**

A prolongation of the IWG mandate was deemed not necessary.

Ad-hoc meetings with experts of WLTP, HDH and GFV will be called upon as necessary.

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