

Co-sponsors Wrap-up Meeting of GTR 13 10th IWG

Meeting date: 1 July, 2021

Attendees: M. Koubek (Chair, US), S. Kuppa (US), I. MacIntire (US); K. Takahashi (JPN), Y. Nozaki (JPN); M. Levet (UK), D. Miles (UK); P. Broertjes (EC), B. Acosta-Iborra (EC); Y. Fujimoto (Secretary), A. Ryan (Asst to Secretary)

1. Material Compatibility - Steels

- (1) 10th IWG Result: CPs agreed that material requirements are to be included in Part 1.
- (2) Outstanding Issues
 - ① Inclusion into GTR draft
 1. Appropriate format (Annex, Resolution, etc.) is not clear. Chair to consult with WP29/AC3.
 2. Draft test procedure has already been posted (GTR13-9-13) but rationale text (based on GTR13-7-08 or SAE J2579) is still needed. TF0 to complete.
 3. Intellectual Property issues yet to be discussed. Chair to consult with SAE.

2. Material Compatibility - Aluminum (HG-SCC)

- (1) 10th IWG Result: CP treat this item under larger umbrella of material compatibility. Previously, JPN had proposed the wordings of the test procedure and rationale (GTR13-10-6,7).
- (2) Outstanding Issues
 - ① CP positions: Part 1 (EU, UK, CHI and US). Reserve (KOR, GER and FRA).
 - ② IP not an issue, as JARI has MOA with HPIS (High Pressure Institute Standard) of Japan.

3. Initial burst pressure: Proposal by BAM

- (1) 10th IWG Result: BAM proposed the revisions to the burst pressure tolerances to reduce potential scatter in production.
- (2) CP Input:
 - ① US does not see need for this proposal: (1) Not needed for self-certification system; (2) Variability in production is already considered by manufacturers (as raised by OICA and others) and is not a regulatory issue.
 - ② EC had initially agreed to discuss BAM proposal. However, after further discussions with CP at this meeting, EC changed their position and propose to eliminate this topic in future GTR meetings and perhaps discuss for R134.
 - ③ JPN informed that they have already discussed this with their domestic experts and industry. Currently they do not support the BAM proposal, especially to reduce the scatter value from 10%.

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- ④ CP agree to receive feedback from other CP (KOR, CHI) as well as industry (OICA, CLEPA, tank manufacturers) and discuss briefly at the next IWG.

4. Sled test / Crash test for HDVs

- (1) 10th IWG Results: Korea reported the HDV test results which will be further discussed in TF1.
- (2) Outstanding Issues
 - ① CP positions have not reached consensus: US does not agreed with sled test since there have been no problems in the market related to this item. CP agree to decide at next IWG.
 - ② Test conditions for sled test may not be finalized until end of 2021 or in 2022. EC to consult with GRSG.

5. Receptacle requirements.

- (1) Results: TF2 proposed (GTR13-10-09) that ISO 17268 and future revisions will be referred to in Part 1. Part 2 requirements remain largely unchanged from current GTR13.
- (2) Outstanding issues
 - ① CP positions have not reached consensus: US, CA and JPN agreed. EC, CHI, and KOR need time. Secretary to confirm with EC, CHI, KOR via email.

6. Change of design testing

- (1) Results: Chair told the IWG and TF 3 leader to stop discussing the COD table because it clearly applies only to one (type-approval) certification system, and as such should not be included in the GTR. Rather, it would be addressed by CPs to 1958 Agreement to consider it when preparing transposing documents. US and CA don't want it in the GTR either, agreed with Chair to stop discussing it in TF 3. EC agreed that it would be able to utilize the COD concept in the implementation/transposing phase.

7. Work in other taskforces

- (1) TF4, TF0 and TF3 (including conformable tank) continue their TF discussions._

8. Calendar of meetings

Tues 6 July - CTSG (Conformable tank): JPN 22:00-23:00, CEST 15:00-16:00, EDT 09:00-10:00

Wed 14 July - TF4 (Fire test): JPN 22:00-0:00, CEST 15:00-17:00, EDT 09:00-11:00

Fri, 23 July - TF3 (Test procedures): JPN 06:00-7:30, CEST 23:00-0:30, EDT 17:00-18:30

Wed 28 July - TF1 (HDV): JPN 06:00-8:00, CEST 23:00-01:00, EDT 17:00-19:00

Thu 29 July - TF0 (Drafting): JPN 22:00-23:30, CEST 15:00-16:30, EDT 09:00-10:30

9. Project schedule

Issue: Some members are concerned that the project schedule may be tight.

➔ Opinion of secretary: We should submit the informal document to GRSP as scheduled with available items in Dec 2021. The TF0 draft has already include more than 150 revisions by TF3 and improved fire

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test procedure, including heavy duty vehicles by TF4. Secretary believes it is worth submitting even at this stage. Only a few items may not be in time, but it can be included in this GTR by amendment from this IWG after this Phase 2.

10. **Next meeting**

End of September of early October.

11. **Action items**

	Topic	Assigned	Action	Due date
1	Material Compatibility	M. Koubek	Check with WP29 Chair on appropriate format for inclusion	7/30
2	Material Compatibility	M. Koubek	Contact SAE re: IP agreement	7/30
3	Material Compatibility	Fujimoto-san and C. San Marchi	Draft rationale for material compatibility section	ASAP after 1,2
4	HG-SCC	Secretary	Confirm CP position	7/30
5	Initial Burst Pressure	EC	Reach out to industry (OICA, CLEPA, OEMs) regarding BAM presentation	Before next IWG
6	Sled/Crash Test	All CP	Formulate position on sled/crash test	Next IWG
7	Receptacle Requirements	Secretary	Email EC, CHI, KOR for position	7/30
8	Next IWG	Secretary	Select dates for next IWG	7/30