

GRSP TF on the transposition of GTR 13 Phase 2 to UN-R 134 (20)

Meeting Date: 23/01/2024 08:00 – 09:30 (CET)

Location: Microsoft Teams Meeting

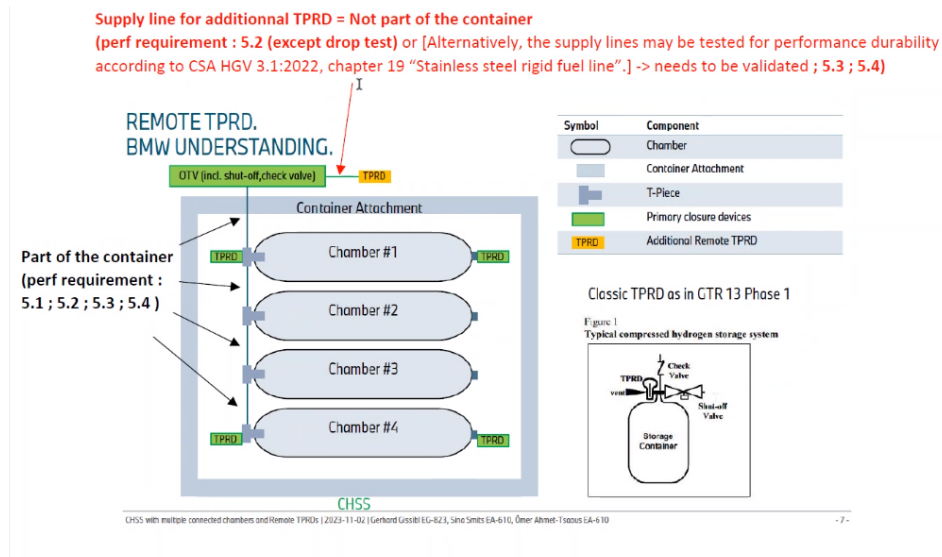
Participants:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Alex Milward (LUXFER) | <input checked="" type="checkbox"/> Masaaki Kondo (TOYOTA) |
| <input checked="" type="checkbox"/> Amy Ryan (TOYOTA) | <input checked="" type="checkbox"/> Morinaga (KHK) |
| <input checked="" type="checkbox"/> Anais Garo (UTAC) | <input checked="" type="checkbox"/> Myrna Cashatt (LINAMAR) |
| <input checked="" type="checkbox"/> Annett Schuessling | <input checked="" type="checkbox"/> Özkan Öztürk (BMW) |
| <input checked="" type="checkbox"/> Antoine Azzopardi (FRANCE) | <input checked="" type="checkbox"/> Paul Dijkhof (KIWA) |
| <input checked="" type="checkbox"/> Anton Weiler (IAV) | <input checked="" type="checkbox"/> Richard Trott (FORVIA) |
| <input checked="" type="checkbox"/> Daniel Frame (ARROWHEAD) | <input checked="" type="checkbox"/> Romary Daval (LUXFER) |
| <input checked="" type="checkbox"/> Frank Otremba (NPROXX) | <input checked="" type="checkbox"/> Salim Abdennadher (RENAULT) |
| <input checked="" type="checkbox"/> Gerhard Gissibl (BMW) | <input checked="" type="checkbox"/> Sina Smits (BMW) |
| <input checked="" type="checkbox"/> Gilles Jouvenot (PLASTIC OMNIUM) | <input checked="" type="checkbox"/> Tatsumi Takehana (KHK) |
| <input checked="" type="checkbox"/> Hans Lammers (NETHERLANDS) | <input checked="" type="checkbox"/> Wataru Okuyama (MLIT) |
| <input checked="" type="checkbox"/> Harald Beck (MAN) | <input checked="" type="checkbox"/> Valentin Hettrich (DAIMLER TRUCK) |
| <input checked="" type="checkbox"/> Ikuya Yamashita (HONDA) | <input checked="" type="checkbox"/> Vuthy Phan (VOLVO) |
| <input checked="" type="checkbox"/> Klaus Weis (HEXAGON) | <input checked="" type="checkbox"/> Yoshinori Tanaka (NTSEL) |
| <input checked="" type="checkbox"/> Koie (METI) | <input checked="" type="checkbox"/> Yuto Sekiya (KHK) |
| <input checked="" type="checkbox"/> Masaaki Iwasaki (TOYOTA) | |

Minutes:

1. Welcome & Roll call
2. **Remote TPRD and alternative testing**
 - Definition:
 - OICA presented their proposal for a note to par. 2.4. in the definitions.
 - *Note: The high-pressure fuel lines interconnecting the multiple chambers and/or connecting to the primary closing device(s) are considered as part of the container as long as those parts hold the same pressure level as the chamber(s) and the permanent connections are ensured. Such fuel lines are tested as integral elements of the container.*
 - Container definition and testing requirements:
 - Salim proposes clarifying the container definition to include high-pressure lines interconnecting chambers, tested as integral elements.
 - Paul Dijkhof from KIWA expresses concern about the feasibility of testing all variants of a system, as changing one component can affect the behavior of other components

- Salim clarifies that BMW has already conducted some tests on the system, but the results may not be shared with the entire audience
 - Speaker 9 asks for clarification on the definition of "container" and footnote added by BMW.
 - Salim explains that the footnote is not part of the container definition and clarifies the pipes connected by black arrows are also part of the container.
- Container testing and interconnecting piping:
- Salim clarifies that all lines joining green boxes in the container definition are part of the test, including the primary closers.
 - KIWA raises questions about the definition of "permanent connection" in the context of testing for medical devices.
 - FRANCE provided a drawing to clarify the intention of OICA's proposal clarifying test setup for container definitions.



- concerns were raised about the clarity of the test setup and proposes defining "multiple containers" to avoid confusion.
 - Salim suggests working with technical services to improve the test procedure and clarify conditions.
- Testing requirements for multiple chambers:
- KHK discuss chemical exposure testing in interconnected chambers, with a focus and where to conduct the surface cut. The attachment or the chamber.
 - The flowchart clarifies the requirement
- Container testing standards:
- The TF agrees to add notes to surface damage and chemical exposure tests to clarify handling of different types of containers.

- *Note: In case, the CHSS contains more than one chamber design (e.g. different size or material) the Technical Service shall determine whether to conduct the test on each design or whether to use the worst-case approach.*
- Technical requirements for connections:
 - A proposal was made to use seals to visibly indicate permanent connections.
 - Suggestion to add a note on how to handle disrupted connections,
- Next steps for working document:
 - OICA will work on a proposal for a definition or note on “permanently connected”
 - OICA proposed to prepare a working document to be submitted March 4, 2024 at the latest with the changes discussed so far and continue the work until the 75th GRSP to potentially amend the document with an informal document including the handling of remote TPRDs

3. Next meeting:

- February 21st:
 - 8 am – 9.30 am (CET)
 - 4 pm – 5.30 pm (JST/KST)