

GTR #13 (Phase 2)

Recommendations for Test Procedures Task Force 3 Status

Livio Gambone

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TF 3 Objectives

- To correct editorial and technical errors in the original draft
- To make modifications to the test procedures based on industry experience
- To incorporate requirements for medium and heavy-duty vehicles
- To incorporate requirements for new storage technologies

TF 3 Open Items

- Section 5.1(b):

The primary closure devices shall be mounted directly on or within each container. CP
Option: Additional TPRDs may be mounted remotely from the primary closure devices but shall remain in direct fluid contact with the container.

- Japan has agreed with the above language, need to confirm with remainder of the CPs.

- Section 5.1:

All new compressed hydrogen storage systems produced for on-road vehicle service shall have a NWP of 70 MPa or less.

The service life of the CHSS shall be determined by the manufacturer, who shall establish the date of removal from the service taking account of the performance requirements applied in the respective market, but shall not exceed 25 years in any case.

- OICA has proposed the above language.

TF 3 Open Items

- CSA Group copyright required for test language and figures in Sections 5 & 6.
- Section 6.1.1: Post crash leakage test equation check with SAE J2578.
- Section 6.1.4.5: The measurement device shall have a measurement response time of less than 2 seconds and a resolution time of less than 300 milliseconds (sampling rate of >3.33 Hz).
- Section 6.2.3.2: Agree on container drop height specification.
- Section 6.2.6.2.3: Agree on the operational cycle for the shut-off valve.
- Section 6.2.6.1.8 / 6.2.6.2.2: Agree on leak test pressures for primary closure devices.
- Finalize test parameter tolerance table for new Section O.
- Meetings every two weeks / Next meeting Feb. 2, 2022 (20:30 – 22:00 PST)