
Committee of Experts on the Transport of Dangerous Goods and on the Globally Harmonized System of Classification and Labelling of Chemicals

2 December 2021

Sub-Committee of Experts on the Transport of Dangerous Goods

Fifty-ninth session

Geneva, 29 November-8 December 2021

Item 6 (c) of the provisional agenda

Miscellaneous proposals for amendments to the Model Regulations on the Transport of Dangerous Goods: portable tanks

Report of the informal working group on FRP service equipment for portable tanks

Transmitted by Chair of the informal working group

1. The informal working group on FRP service equipment for portable tanks met on 1 December 2021 in conjunction with the 59th session of the TDG Sub-Committee. Seventeen representatives from different member governments and industry participated in the discussion and improvement of the baseline document referred to in UN/SCETDG/58/INF.41.

Discussions in working group

2. The working group focused on the development and justification of the regulations for the FRP service equipment applicable for the metallic and FRP portable tanks.
3. The working group discussed in detail the “Design approval” section referring to appropriate requirements of 6.7.2 and 6.9.2. The group will scrutinize requirements given in 6.7.2 and 6.9.2 for service equipment for appropriate referencing and harmonization of the baseline document.
4. The five members sub-group was allocated for development and justification of the “Design criteria” section considering test pressure, assembling loads, environmental and manufacturing effects. This section is intended to include requirements on the identification of failure criteria and safety factors considering deterioration of material properties due to service life conditions.
5. The working group summarized and discussed in detail the comments received through informal correspondence.
6. Additional work is necessary based on the today’s discussion on further sections in particular design criteria, inspection and testing requirements, design approval etc.

Actions requested

7. The Sub-Committee is invited to consider the report of the working group and provide comments to the working group chair.
 8. The working group will continue to correspond through e-mail and monthly teleconference in-between the sessions.
 9. The working group suggests having a one-day hybrid session running concurrently with the forthcoming 60th TDG Sub-Committee session.
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