

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

1 July 2021

Sub-Committee of Experts on the Transport of Dangerous Goods

Fifty-eighth session

Geneva, 28 June-2 July 2021

Item 6 (c) of the provisional agenda

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

Working group on FRP service equipment for portable tanks

Terms of reference

Transmitted by the expert from the Russian Federation

Develop requirements for the construction, approval, inspection, and use of fibre reinforced plastics (FRP) service equipment (valves, relief devices and manholes) for portable tanks taking into account:

1. The evaluation of a performance equivalence with commonly used metal service equipment related to:
 - stress and fatigue resistance
 - chemical compatibility
 - aging
 - fire resistance
 - impact resistance
 2. Different materials for fibres and resins including new technologies
 3. Different manufacturing techniques and performance evaluation methods
 4. Suitability for different classes of dangerous goods
 5. Existing regulations at international (RID/ADR) regional or national level
 6. Specific periodic inspection needs including after repair
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