

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

**Sub-Committee of Experts on the Transport of Dangerous Goods**

**30 November 2017**

### **Fifty-second session**

Geneva, 27 November-6 December 2017

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 tanks**

### **Terms of reference**

#### **Transmitted by the expert from France**

Develop requirements for the construction, approval, inspection, and use of fibre reinforced plastics portable tanks taking into account:

(1) The evaluation of a performance equivalence with commonly used metal tanks.

Inter alia related to :

- stress and fatigue resistance
- chemical compatibility
- aging
- fire resistance
- impact resistance

(2) Different materials for fibers 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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