## UN/SCETDG/54/INF.10

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

7 September 2018

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

Fifty-fourth session

Geneva, 26 November-4 December 2018 Item 2 (f) of the provisional agenda Recommendations made by the Sub-Committee on its fifty-first, fifty-second and fifty-third sessions and pending issues: miscellaneous pending issues

Informal working group on fibre-reinforced plastics (FRP) portable tanks (ST/SG/AC.10/C.3/2018/111): project plan timeline

Transmitted by the chairman of the informal working group

Task ID/Project Title	Actions/Activities	Resources/Notes	Duration/ Target for Completion	Year 1												Year 2										
			Completion	Start	IAN	FFR I	MAR	ΔPR	MAY	ILIN	шш Д	ug s	FP O	T NO	V DEC	IAN	FFR	MΔR	ΔPR	MAY	IIIN II	ш Ап	G SEP	ОСТ	NOV	DEC
Objective 1: Conduct work in accordance with the terms of reference (see ST/SG/AC.10/C.3/104 paragraph 80) to develop requirements for the construction, approval, inspection, and use of fibre reinforced plastics (FRP) portable tanks	1.1 Gather existing regulations at international, regional, or national level. This should include any issued derogations, and could also include information on FRP cargo tanks/road tank vehicles if relevant. This should additionally include any related available data (e.g. compatibility testing, structural analysis, incident data).	Team members to gather and submit data. Terms of reference (e ).	One month	Start	JAN				MAT	301	x				V DEC	JAN	120	MAIX.	Art	INIAT	, , , , , , , , , , , , , , , , , , ,		G SEP	oci	NOV	DEC
	1.2 Collect and distribute data to team members.	WG lead to distribute.	One week after submission.									х														
	1.3 Unless an indication from the WG is given to use a different set of regulations as the baseline regulations, utilize proposal in ST/SG/AC.10/C.3/2017/40 as the baseline to evaluate appropriate provisions for FRP portable tanks.	WG lead to refine 2017/40 to ensure appropriate headings are assigned to sections.	One week.									x														
	1.4 Discuss application & general provisions and definitions (6.9.1 & 6.9.2.1)	Terms of reference (d).	Two months									:	x >	1												
	Discuss general design and construction provisions (6.9.2.2)	This will require several rounds of questions and comments from the group, and may be further broken down into smaller topics. Terms of reference (b) and (c).	Four months											х	х	х	х									
	Prepare informal paper for TDG Sub- Committee to update on progress, and prepare for informal working group meeting during TDG 53rd session.	Chair to prepare and distribute to group for comments.	One Month											х												
	Discuss design criteria, minimum wall thickness, equipment components (6.9.2.3-6.9.2.5)	This will require several rounds of questions and comments from the group, and may be further broken down into smaller topics.	Four months															х	х	x	х					
	1.8 Discuss design approval and marking (6.9.2.6 & 6.9.2.8)		Two months																			х				
	1.9 Discuss material testing (6.9.2.7)	Need to procure copies of the ISO standards referenced.	Two months																				х	х		
	1.10 Discuss periodic inspection needs, including after repair and unacceptable damage criteria.	Terms of reference (f).	Two months																						x	x
	1.11 Evaluation of a performance equivalence with commonly used metal tanks (stress and fatigue resistance, chemical compatibility, aging, fire resistance, and impact resistance)	This will be ongoing work throughout the process. At each stage it will be necessary to determine an appropriate level of safety is maintained. Terms of reference (a).	Ongoing			x	x	x	x	x	x	x :	x >	x	х	x	x	х	x	x	x	x x	x	x	x	x
	1.12 Consolidate draft amendments, distribute to WG for comments, prepare submission to TDG SC.	Allowing extra time to account for any issues that may only be identified at the end of the process.	If/when work is mature enough to submit proposal																							