

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

30 November 2017

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

Fifty-second session

Geneva, 27 November-6 December 2016

Item 2 (i) of the provisional agenda

**Explosives and related matters: Review of
Chapter 2.1 of the GHS**

**Sub-Committee of Experts on the Globally Harmonized
System of Classification and Labelling of Chemicals**

Thirty-fourth session

Geneva, 6-8 December 2017

Item 2 (b) of the provisional agenda

**Classification criteria and related hazard
communication: Review of Chapter 2.1**

**Tentative new classification system and criteria for GHS
Chapter 2.1 (Explosives)**

Transmitted by the expert from Sweden

Background

1. As indicated in informal document INF.10 to the 34:th session of the SCEGHS¹, the Informal Correspondence Group on the revision of GHS Chapter 2.1 met after the Working Group of Explosives (EWG) had finished their ordinary business. The focus of the meeting was to work on the criteria for a new possible classification system for the hazard class of Explosives in the GHS, on basis of input received as shown in the annexes to INF.10.
2. The ICG-members present (primarily members from the EWG) discussed the various issues in a structured manner and made very good progress. The outcome of these discussions is a tentatively agreed system with criteria as shown in Annex 1. As indicated by the square brackets, some details are still under consideration, and the entire system would need to undergo some further scrutiny to assure its correctness and functionality. However, the goal of arriving at a single tentative system with criteria in the meeting, as set out in INF. 10, was met.
3. There was also an initial discussion on appropriate labelling elements, but as indicated in INF.10 these discussions will primarily take place during the ICG-meeting to be held in the margins of the SCEGHS².
4. The expert from Sweden thanks the ICG-members that took part in the meeting held for their efforts in making this major step forward in the work on the revision of GHS Chapter 2.1 possible.

¹ INF.20 to the 52:nd session of the SCETDG

² Wednesday 6 December at 12:15 – 14:15 in meeting room S4, see UN/SCEGHS/34/INF.6

Annex 1 – Tentative new classification system and criteria for GHS Chapter 2.1

Category 1	Category 2		
<p>Not Category 2 (does not meet criteria for a Division in Class 1 for transport)</p> <p>[OR ANE that fails Test 8a]</p> <p>[AND Not exempted article]</p> <p>[AND Not unintentionally explosive substance or mixture exempted by Test Series 6]</p>	Meets the criteria for a Division in Class 1 for transport.		
	2A	2B	2C
	<p>Not Category 2B or 2C</p> <p>[OR ANE that fails Test 8b or 8c]</p>	<p>Division 1.4 Compatibility group C or G</p> <p>AND</p> <p>No indication that the packaging is designed such that the hazard is reduced, e.g.:</p> <ul style="list-style-type: none"> - No special packing instructions/criteria required, - No special orientation or dividers required to pass Test Series 6 as Division 1.4, <p>AND</p> <p>No violent reaction in Test 6a or 6b without mass explosion.</p> <p>[AND for unintentional substances and mixtures possible further criteria based on data from other tests]</p>	<p>Division 1.4 Compatibility group S</p> <p>AND</p> <p>No indication that the packaging is designed such that the hazard is reduced, e.g.:</p> <ul style="list-style-type: none"> - No special packing instructions/criteria required, - No special orientation or dividers required to pass Test Series 6 as Division 1.4 Compatibility group S, <p>AND</p> <p>No violent reaction in Test 6a or 6b without mass explosion,</p> <p>[AND for articles the individual article, or the smallest inner packaging unit, shows behaviour consistent with Div. 1.4 Cg S as packaged for transport]</p> <p>[AND for unintentionally explosive substances and mixtures possible further criteria based on data from other tests]</p>