



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

Sixty-second session

Geneva, 3-7 July 2023

Item 2 (h) of the provisional agenda

Explosives and related matters:

Miscellaneous

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

Forty-fourth session

Geneva, 10-12 July 2023

Item 2 (a) of the provisional agenda

**Work of the Sub-Committee of Experts on the
Transport of Dangerous Goods on matters of
interest to the Sub-Committee of Experts on
the Globally Harmonized System of
Classification and Labelling of Chemicals**

Amendment to section 51.4.4.2 (e) of the Manual of Tests and Criteria

Transmitted by the expert from China*

Introduction

1. This document aims at revising subparagraph 51.4.4.2 (e) in section 51- "Classification procedures, test methods and criteria for desensitized explosives" of the Manual of Tests and Criteria. The current text in 51.4.4.2 (e) is difficult to understand and, in the absence of a definition for $I_{\text{calculated}}$, the formula in 51.4.4.2 (f) cannot actually be used.
2. The expert from China refers to the definitions of I_{relevant} and $I_{\text{calculated}}$ in annex F (burning rate test) of *Organic peroxides: Storage (Hazardous Substances Publication Series 8:2011 version 1.0, December 2011)*, the updated version of Reference [4] of section 51. The description in 51.4.4.2 (e) does have a problem.
3. The expert from China submitted informal document INF.32 to the sixty-first session of the Sub-Committee of Experts on the Transport of Dangerous Goods, proposing to amend the text in 51.4.4.2 (e). During the discussion, several experts agreed with the proposal but indicated that they needed more time to consider it and preferred to defer the discussion on the issue to a forthcoming session. The Chinese experts agreed to submit a more detailed revised proposal as an official document to the sixty-second session.

* A/77/6 (Sect. 20), table 20.6



Proposal

4. Amend the description of 51.4.4.2 (e) as follows (deleted text appears in ~~strikethrough~~ and new text in **bold underlined**):

“(e) I_{relevant} is obtained from the maximum of the **fitting** curve of **measured** heat radiation **value. $I_{\text{calculated}}$ is** calculated as **an** average value of the radiation by converting the integrated area in a rectangle of equal size during the same time span.”
