

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

11 October 2021

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

#### Fifty-ninth session

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Item 2 (i) of the provisional agenda

**Explosives and related matters: miscellaneous**

## Follow up on a new entry for fire suppression devices

### Submitted by the Chair of the Working Group on Explosives

#### Introduction

1. On Wednesday 15 September 2021 an informal online meeting of the Working Group on Explosives was held. The aim of this meeting was to discuss classification issues related to fire extinguishing devices and, if time allowed, other low hazard articles.
2. In total 31 persons from various countries and organisations participated in the meeting. The following documents were considered: ST/SG/AC.10/C.3/2019/61; informal documents INF.28, INF.51 (56<sup>th</sup> session) and ST/SG/AC.10/C.3/2020/25.
3. More in particular the three questions listed in INF.51 were dealt with:
  - (a) what additional tests may be appropriate to consider such articles for assignment in Class 9?
  - (b) Would the same tests identified above be appropriate for articles that are not intended as airbags, seat belt pretensioners or fire extinguishers?
  - (c) Are there additional parameters that should be applied when considering assignment to current or future entries in the DG List?

#### Way forward

4. A number of important issues for consideration were mentioned, such as security, toxicity of expelled products, obscuration and asphyxiation. These issues could be considered in relation to question (c) above.
  5. The group had fruitful discussions and was able to identify a possible way forward.
    - A prerequisite would be that the fire extinguishing devices have a 1.4S classification as determined by test series 6.
    - Furthermore, the 1.4S classification would have to be packaging independent. A fire test with unpackaged articles was mentioned as a possibility to demonstrate compliance with this requirement.
    - A test similar to the one used for the exclusion from Class 1 (see section 2.1.3.6.4 of the Model Regulations) to be performed on the unpackaged article with different thresholds for the effects mentioned in sub-sections (a) to (e).
  6. The Sub-Committee is invited to comment on, consider and possibly endorse this proposed way forward.
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