

## **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**

**17 November 2022**

### **Sixty-first session**

Geneva, 28 November-6 December 2022

Item 7 of the provisional agenda

**Global harmonization of transport of dangerous goods  
regulations with the Model Regulations**

## **Outcome of the eighth session of the Sub-Committee on Carriage of Cargoes and Containers**

**Submitted by the International Maritime Organization (IMO)**

### **Introduction**

1. The eighth session of the Sub-Committee on Carriage of Cargoes and Containers (CCC) of IMO was held from 14 to 23 September 2022 and was chaired by Ms. M. Adams (Marshall Islands).
2. The whole report of CCC 8 can be downloaded from IMODOCS.<sup>1</sup> According to paragraph 6.95 of the report, CCC 8 agreed to the draft amendments to provision 5.5.4 of the IMDG Code, with a view to incorporation, as appropriate, into draft amendment 42-24 to the IMDG Code, and instructed the IMO Secretariat to inform the Sub-Committee on the draft amendments.

### **Action requested**

3. The Sub-Committee is invited to note the draft amendments to provision 5.5.4 of the IMDG Code, as contained in the annex.

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<sup>1</sup> <https://docs.imo.org/Shared/Download.aspx?did=139086>.

## Annex

### DRAFT AMENDMENTS TO 5.5.4 OF THE INTERNATIONAL MARITIME DANGEROUS GOODS (IMDG) CODE

#### PART 5 CONSIGNMENT PROCEDURES

##### Chapter 5.5 Special provisions

#### 5.5.4 Dangerous goods in equipment in use or intended for use during transport

Replace the text in paragraph to read as follows:

##### "5.5.4 Devices containing dangerous goods, which are in use or intended for use during transport

- 5.5.4.1 Devices in use or intended for use during transport, such as data loggers, sensors and cargo trackers that contain dangerous goods (e.g. lithium batteries, fuel cell cartridges) and that are attached to or placed in packages, overpacks, bulk containers, freight containers, or other types of cargo transport units, are not subject to the provisions of this Code other than the requirements set out in 5.5.4.2 to 5.5.4.7 and 7.3.5.
- 5.5.4.2 The contained dangerous goods (e.g. lithium batteries, fuel cell cartridges) shall meet the applicable construction and test requirements specified in this Code.
- 5.5.4.3 Devices shall be capable of withstanding the shocks and loadings normally encountered during transport.
- 5.5.4.4 Devices attached to packages and overpacks in a closed cargo transport unit are subject to 7.3.5 when dangerous goods are transported in that cargo transport unit.
- 5.5.4.5 Devices attached directly to the interior or exterior of cargo transport units shall comply with the following criteria, as found in IEC 60079-0:2017 and IEC 60529:2013:
1. temperature class T4: the device maximum surface temperature attained in service under the most adverse conditions is  $\leq 135^{\circ}\text{C}$ ;
  2. equipment group IIB: the device is intended for use in places with an explosive gas atmosphere other than mines susceptible to firedamp and in explosive gas atmospheres other than those containing hydrogen; and
  3. degree of protection IP65: the device enclosure protects internal equipment against ingress of dust and protects against harmful effects due to water jets against the enclosure from any direction.
- Note:** For devices in a reefer controller box, the requirement in 5.5.4.5.3 is complied with when the casing of the controller box conforms to 5.5.4.5.3.
- 5.5.4.6 Devices subject to 5.5.4.5 shall comply with the requirements from 1 January 2028, with the exception for fixed devices on or in reefer containers, which shall comply with these requirements as soon as possible, but not later than 1 January 2032.
- 5.5.4.7 When such devices containing dangerous goods are transported as a consignment, the relevant entry of the Dangerous Goods List in chapter 3.2 shall be used and all applicable provisions of this Code apply."
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