

**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

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Listing, classification and packing

**Clarification of performance testing requirements for
infectious substances packaging in Chapter 6.3 – Revision of
2018/25**

Transmitted by the expert from Canada and the United Kingdom

Introduction

1. This paper proposes modifications to clarify the performance testing requirements for infectious substances packaging, as outlined in Chapter 6.3 of the Model Regulations.

Proposal

2. Amend the first paragraph of the “Explanation for use of the table” in 6.3.5.2.2 to read as follows (deleted text in ~~striketrough~~):

“Explanation for use of the table:

If the packaging to be tested consists of a fibreboard outer box with a plastics primary receptacle, five samples must undergo the water spray test (see 6.3.5.3.6.1) prior to dropping and another five must be conditioned to – 18 °C (see 6.3.5.3.6.2) prior to dropping. If the packaging is to contain dry ice then one further single sample shall be dropped ~~five times after conditioning~~ in accordance with 6.3.5.3.6.3”.

3. Amend 6.3.5.3 to read as follows (new text underlined and deleted text in ~~striketrough~~):

6.3.5.3.1 Drop height and target

Samples shall be subjected to free-fall drops from a height of 9 m onto a non-resilient, horizontal, flat, massive and rigid surface in conformity with 6.1.5.3.4.

6.3.5.3.2 Number of test samples and drop orientation

Where the samples are in the shape of a box; five shall be dropped on in each of the following orientations:

- (a) flat on the base;
- (b) flat on the top;
- (c) flat on the longest side;

- (d) flat on the shortest side;
- (e) on a corner

6.3.5.3.3 Number of test samples and drop orientation

Where the samples are in the shape of a drum or a jerrican, three shall be dropped one in each of the following orientations:

- (a) diagonally on the top ~~chime~~edge, with the centre of gravity directly above the point of impact;
- (b) diagonally on the base ~~chime~~edge;
- (c) flat on the body or side.

4. Amend 6.3.5.3.6.3 to read as follows (new text underlined):

6.3.5.3.6.3 Packagings intended to contain dry ice – Additional drop test

Where the packaging is intended to contain dry ice, a test additional to that specified in 6.3.5.3.1 and, when appropriate, in 6.3.5.3.6.1 or 6.3.5.3.6.2 shall be carried out. One sample shall be stored so that all the dry ice dissipates and then that sample shall be dropped in one of the orientations described in 6.3.5.3.2, or 6.3.5.3.3, as appropriate, which shall be that most likely to result in failure of the packaging.
