

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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PROPOSALS OF AMENDMENTS TO THE RECOMMENDATIONS
ON THE TRANSPORT OF DANGEROUS GOODS

Vibration Test for IBCs

Transmitted by the Expert from the United Kingdom

Background

1. At its 29th session, the Sub-Committee adopted a vibration test for IBCs. As noted in ST/SG/AC.10/C.3/2006/101, some of the adopted text in 6.5.6.13.3.2 is in square brackets:

6.5.6.13.3.2 The test shall be conducted for one hour at a frequency that causes the IBC to be raised from the vibrating platform to such a degree that a metal shim can be completely inserted [**at a point between the IBC and the test platform**]. The frequency may need to be adjusted after the initial set point to prevent the packaging from going into resonance. Nevertheless, the test frequency shall continue to allow placement of the metal shim under the IBC as described in this paragraph. The continuing ability to insert the metal shim is essential to passing the test. The metal shim used for this test shall be at least 1.6 mm thick, 50 mm wide, and be of sufficient length to be inserted between the IBC and the test platform a minimum of 100 mm to perform the test.

2. The United Kingdom has considered the text above and the work of the ASTM committee believes that it could be clarified.

Proposal

1. Amend the current paragraph as follows:

6.5.6.13.3.2 The test shall be conducted for one hour at a frequency that causes the IBC to be **momentarily** raised from the vibrating platform **for part of each cycle** to such a degree that a metal shim can be completely inserted ~~[at a point between the IBC and the test platform]~~ **at any point between the base of the IBC and the test platform***. The frequency may need to be adjusted after the initial set point to prevent the packaging from going into resonance. Nevertheless, the test frequency shall continue to allow placement of the metal shim under the IBC as described in this paragraph. The continuing ability to insert the metal shim is essential to passing the test. The

metal shim used for this test shall be at least 1.6 mm thick, 50 mm wide, and be of sufficient length to be inserted between the IBC and the test platform a minimum of 100 mm to perform the test.

*** If this text is not acceptable then add a note at the end of 6.5.6.13.3.2:**

NOTE: It will only be possible to insert the shim during the downward point of the vibration cycle when the IBC momentarily separates from the platform. Movement of the shim will therefore be intermittent.
