Second edition
2016-08-01

Packaging — Complete, filled transport packages and unit loads — Vertical random vibration test

Emballages — Emballages d'expédition complets et pleins et charges unitaires — Essais de vibration verticale aléatoire

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Contents

Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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The committee responsible for this document is ISO/TC 122, *Packaging*, Subcommittee SC 3, *Performance requirements and tests for means of packaging, packages and unit loads*.

This second edition cancels and replaces the first edition (ISO 13355:2003), which has been technically revised.

Some of the major modification points are listed as follows:

a) Annex A has been changed from Informative to Normative;

b) in Table A.1, 0,048 $(m/s^2)^2$ at 3 Hz, Slope between 3 Hz to 6 Hz, 1,154 $(m/s^2)^2$ at 6 Hz to 18 Hz has been changed to 0,048 $(m/s^2)^2$ at 2 Hz, Slope between 2 Hz to 4 Hz, 1,154 $(m/s^2)^2$ at 4 Hz to 18 Hz;

c) Annex B has been added.

Introduction

A random vibration test is a more realistic method in reproducing environmental vibration during transportation than sinusoidal vibration test. For this reason, if suitable laboratory facilities are available, a vibration test is more preferable than any fixed or swept frequency sinusoidal vibration tests similar to those given in ISO 2247 and ISO 8318.