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Second edition 2019-11

## Packaging — Complete, filled transport packages — General rules for the compilation of performance test schedules

Emballages — Emballages d'expédition complets et pleins — Règles générales pour l'établissement de programmes d'essais de performance



Reference number ISO 4180:2019(E)

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Con	Contents				
Forev	Foreword				
1	Scop	e		1	
2	-	Normative references		1	
_	Terms and definitions				
3					
4	HazardPreparation of the test schedule			2	
5				3	
6	Test method			7	
			oratory atmosphere		
	6.2	Specimens			
		6.2.1	Content of specimens		
		6.2.2	Number of specimens		
		6.2.3	Degradation of specimen		
		6.2.4	Identification of specimen		
	6.3				
	6.4		on test		
		6.4.1	General		
		6.4.2	Vertical random vibration test in general transportation		
		6.4.3	Sinusoidal vibration test in general transportation		
		6.4.4	Random vibration test in rough road transportation	11	
		6.4.5	Sinusoidal vibration test in rough road transportation		
	( <b>-</b>	6.4.6	Stacked vibration test		
	6.5		Drop test		
		6.5.1	Testing classification (common for free-fall test and rotational edge drop te		
		6.5.2	Free-fall test (applies to manual handling)		
		6.5.3 6.5.4	Rotational drop test (applies to mechanical handling)  Horizontal impact test		
	6.6	Compression test			
	0.0	6.6.1	Test apparatus and test method		
		6.6.2	Compression test using a compression tester		
		6.6.3	Stacking load tests using a static load		
	6.7		rature and humidity environmental test		
	6.8	Low-pressure test			
7		•			
Biblio		•			

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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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 <a href="www.iso.org/directives">www.iso.org/directives</a>).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see <a href="https://www.iso.org/iso/foreword.html">www.iso.org/iso/foreword.html</a>.

This document was prepared by Technical Committee ISO/TC 122, *Packaging*, Subcommittee SC 3, *Performance requirements and tests for means of packaging, packages and unit loads (as required by ISO/TC 122)*.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at <a href="https://www.iso.org/members.html">www.iso.org/members.html</a>.

This second edition cancels and replaces the first edition (ISO 4180:2009) which has been technically revised. The main changes compared to the previous edition are as follows:

- the test item in the test schedule can now be selected by agreement of the stakeholders depending on the expected or existing transportation process and hazards;
- in <u>6.4</u>, the test conditions have been reviewed and revised by the distance and condition of transportation;
- in <u>6.5</u>, a new Level-4 has been added for well controlled handling;
- in <u>6.6</u>, the test conditions have been reviewed and revised; they can be changed or selected depending on the storage conditions by the agreement of stakeholders.