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Durability test methods for electronic displays – Part 3-2: Mechanical tests – Static stress

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DURABILITY TEST METHODS FOR ELECTRONIC DISPLAYS –

Part 3-2: Mechanical tests – Static stress

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IEC 63211-3-2 has been prepared by IEC technical committee 110: Electronic displays. It is an International Standard.

The text of this International Standard is based on the following documents:

Draft	Report on voting
110/1743/FDIS	110/1761/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

A list of all parts in the IEC 63211 series, published under the general title *Durability test methods for electronic displays*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn, or
- revised.

INTRODUCTION

The purpose of this document is to provide mechanical testing procedures for durability evaluation of electronic displays and their components against static or quasi-static stress.

It is assumed that all tests – described in detail in individual test method standards – are performed by personnel skilled in the general art of mechanical property tests.

This document relates to the common durability test methods applicable in the field of electronic displays, which can overlap with some of the parts of existing IEC TC 110 documents that describe the durability test methods of individual technologies, such as LCD, OLED, PDP and others. This document is intended to be used as the reference document in future standards and in revisions of existing ones. The existing standards will be revised in their maintenance time to refer to this document to the largest extent possible.

DURABILITY TEST METHODS FOR ELECTRONIC DISPLAYS –

Part 3-2: Mechanical tests – Static stress

1 Scope

This part of IEC 63211 defines common test methods for the evaluation of the mechanical or functional durability of electronic displays and its components against static or quasi-static stress application. The testing methods and procedures are applicable for all the electronic display panels, modules and components.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 62368-1, *Audio/video, information and communication technology equipment – Part 1: Safety requirements*