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- ii) affects other national standard(s)
- iii) requires additional national guidance or information

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Introduction

This draft standard is based on national and international discussions. Your comments on this draft are invited and will assist in the preparation of the consequent standard.

For international standards, comments will be reviewed by the relevant UK national committee before sending the consensus UK vote and comments to the international committee, which will then decide appropriate action. If the international standard is approved, it is usual for the text to be published as a British Standard.

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Please indicate whether you consider the UK should submit a negative (with supporting technical reasons) or positive vote on this draft. Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.

Submission of Comments

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Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx
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1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex (e.g. 3.1)	Paragraph/ Figure/Table/Note	Type of comment	Comment (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	



110/1810/CD

COMMITTEE DRAFT (CD)

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DATE OF CIRCULATION: 2025-11-07	CLOSING DATE FOR COMMENTS: 2026-01-02
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IEC TC 110 : ELECTRONIC DISPLAYS	
SECRETARIAT: Japan	SECRETARY: Mr Yoshi SHIBAHARA
OF INTEREST TO THE FOLLOWING COMMITTEES:	HORIZONTAL FUNCTION(S):
ASPECTS CONCERNED:	

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TITLE: Flexible displays - Part 6-43: Mechanical test methods - Deformation measurement of rollable display

NOTE FROM TC/SC OFFICERS: The title has been changed from "Flexible displays - Part 6-43: Deformation measurement of rollable display" to "Flexible displays - Part 6-43: Mechanical test methods - Deformation measurement of rollable display" (Reference: Decision 9-2025 in 110/1801/DL)

CONTENTS

FOREWORD	2
1 Scope	4
2 Normative references	4
3 Terms and definitions	4
3.1 Terms and definitions	4
3.2 Abbreviated terms	4
4 Standard atmospheric conditions	5
5 Sample preparation	5
5.1 General	5
5.2 Sample preparation	5
6 Surface deformation measurement of waviness	7
6.1 General	7
6.2 Purpose	8
6.3 Test apparatus	8
6.4 Test procedure	11
6.5 Testing conditions, data analysis and reporting	13
7 Deflection depth measurement during push on rollable display	13
7.1 General	13
7.2 Purpose	13
7.3 Test apparatus	14
7.4 Testing procedure	15
7.5 Testing conditions and reporting	15
Bibliography	17
Figure 1 – Example of multi-joint support and another support of 2 nd support.	6
Figure 2 – Apparatus of sample loading	6
Figure 3 – (a) Surface deformation due to multi-joint support and (b) Surface deformation due to FPCB for rollable module.	7
Figure 4 – Example of measurement system	8
Figure 5 – Analysis flow chart for PMD	9
Figure 6 – Surface normal vector N , sight ray of a camera p and reflected ray r	9
Figure 7 – Osculating circle and curvature	11
Table 1 – Example of test condition	13

INTERNATIONAL ELECTROTECHNICAL COMMISSION

**Flexible displays —
Part 6-43: Mechanical test methods — Deformation measurement of
rollable display**

FOREWORD

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IEC 62715-6-43 has been prepared by IEC technical committee 110: Electronic display devices.
It is an International Standard.

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

Draft	Report on voting
XX/XX/FDIS	XX/XX/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.

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.

1 Scope

The object of this part of IEC 62715 is to define the standard test methods to evaluate the deformation of rollable display panel and module with multi-joint support, specifically surface deformation after rolling and surface deformation due to push on rollable display panel and module. This document takes into account the surface waviness deformation under rolling stress and the deflection depth due to push on the front surface of rollable display panel and module.

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 62715-6-1:2017, *Flexible Display Devices – Part 6-1: Mechanical test methods-Deformation tests*

IEC 62715-6-22:2022, *Flexible Display Devices – Part 6-22: Crease and waviness measurement methods*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- IEC Electropedia: available at <https://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

3.1 Terms and definitions

3.1.1

waviness

long wavelength variation in a surface away from its basic form

3.1.2

multi-joint support

support made up of many separated bars that can be rolled

Note 1 to entry: Within small areas of the display, distortions can occur in what should be nominally straight features in images, characters, and symbols. This measurement characterizes the deviations from straightness.

3.2 Abbreviated terms

For the purposes of this document, the following abbreviated terms apply.

CCD	charge-coupled device
CMM	coordinate measuring machine
CMOS	complementary metal-oxide semiconductor
DUT	devices under test
PMD	phase measuring deflectometry
PSD	position sensitive detector