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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61747-10-1

October 2013

ICS 31.120

Supersedes EN 61747-5:1998 (partially)

English version

**Liquid crystal display devices -
Part 10-1: Environmental, endurance and mechanical test methods -
Mechanical
(IEC 61747-10-1:2013)**

Dispositifs d'affichage à cristaux liquides -
Partie 10-1: Méthodes d'essais
d'environnement, d'endurance et
mécaniques -
Essais mécaniques
(CEI 61747-10-1:2013)

Flüssigkristall-Anzeige-Bauelemente -
Teil 10-1: Umwelt-, Lebensdauer- und
mechanische Prüfverfahren -
Mechanisch
(IEC 61747-10-1:2013)

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CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 110/395/CDV, future edition 1 of IEC 61747-10-1, prepared by IEC TC 110, "Electronic display devices" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61747-10-1:2013.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2014-05-14
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2016-08-14

This document partially supersedes EN 61747-5:1998.

EN 61747-10-1:2013 supersedes Clauses 1 and 2 of EN 61747-5:1998.

NOTE It is intended that the other clauses of EN 61747-5:1998 will be replaced by new parts in the EN 61747 series. The details of the intended changes are given in Annex D of EN 61747-30-1:2012.

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SIST EN 61747-10-1:2014

The text of the International Standard IEC 61747-10-1:2013 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60068-1	NOTE	Harmonised as EN 60068-1.
IEC 61747 series	NOTE	Harmonised in EN 61747 series.
IEC 61747-5-3	NOTE	Harmonised as EN 61747-5-3.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60068	Series	Environmental testing	EN 60068	Series
IEC 60068-2-6	-	Environmental testing - Part 2-6: Tests - Test Fc: Vibration (sinusoidal)	EN 60068-2-6	-
IEC 60068-2-7	-	Environmental testing - Part 2: Tests. Test Ga: Acceleration, steady state	EN 60068-2-7	-
IEC 60068-2-20	-	Environmental testing - Part 2-20: Tests - Test T: Test methods for solderability and resistance to soldering heat of devices with leads	EN 60068-2-20	-
IEC 60068-2-21	-	Environmental testing - Part 2-21: Tests - Test U: Robustness of terminations and integral mounting devices	EN 60068-2-21	-
IEC 60068-2-27	-	Environmental testing - Part 2-27: Tests - Test Ea and guidance: Shock	EN 60068-2-27	-
IEC 60747	Series	Semiconductor devices	-	-
IEC 60748	Series	Semiconductor devices - Integrated circuits	-	-
IEC 60749-14	-	Semiconductor devices - Mechanical and climatic test methods - Part 14: Robustness of terminations (lead integrity)	EN 60749-14	-
IEC 61747-1	-	Liquid crystal and solid-state display devices - Part 1: Generic specification	EN 61747-1	-

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NORME INTERNATIONALE

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**Dispositifs d'affichage à cristaux liquides –
Partie 10-1: Méthodes d'essais d'environnement, d'endurance et mécanique –
Essais mécaniques**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

LIQUID CRYSTAL DISPLAY DEVICES –

Part 10-1: Environmental, endurance and mechanical test methods – Mechanical

FOREWORD

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International Standard IEC 61747-10-1 has been prepared by IEC technical committee 110: Electronic display devices.

This first edition of IEC 61747-10-1 cancels and replaces Clauses 1 and 2 of the first edition of IEC 61747-5 published in 1998. This edition constitutes a technical revision.

NOTE It is intended that the other clauses of IEC 61747-5:1998 will be replaced by new parts in the IEC 61747 series. The details of the intended changes are given in Annex D of IEC 61747-30-1:2012.