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Edition 1.0 2014-08

# INTERNATIONAL STANDARD

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**Liquid crystal display devices –  
Part 1–1: Generic – Generic specification**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

### LIQUID CRYSTAL DISPLAY DEVICES – Part 1–1: Generic – Generic specification

#### FOREWORD

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

This Part 1-1 forms the generic specification for liquid crystal display devices.

This first edition cancels and replaces the first edition of IEC 61747-1 published in 1998 and Amendment 1:2003. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) IEC 61747-1, has been divided into IEC 61747-1-1, *Liquid crystal display devices – Part 1-1: Generic – Generic specification* and IEC 61747-1-2, *Liquid crystal display devices – Part 1-2: Generic – Terminology and letter symbols*;
- b) the contents of the terminology have been transferred to IEC 61747-1-2;

- c) Annex C has been changed from normative to informative, because Tables C.1 and C.2 mismatch some of the large scale production practices of recent date;
- d) References cited have been updated.

The text of this standard is based on the following documents:

CDV	Report on voting
110/527/CDV	110/563/RVC

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

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all the parts in the IEC 61747 series, under the general title *Liquid crystal display devices*, can be found on the IEC website.

NOTE The structure of the IEC 61747 series and the changes in the numbering are shown in Annex D of IEC 61747-30-1:2012.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

A bilingual version of this publication may be issued at a later date.

## LIQUID CRYSTAL DISPLAY DEVICES – Part 1–1: Generic – Generic specification

### 1 Scope

This part of IEC 61747 is a generic specification for liquid crystal display devices. It defines general procedures for testing and gives general rules for the measuring methods of the electrical and optical characteristics, the rules for climatic and mechanical tests, and the rules for endurance tests.

### 2 Normative references

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.

IEC 60410:1973, *Sampling plans and procedures for inspection by attributes*

IEC 60747 (all parts), *Semiconductor devices – Discrete devices*

IEC 60747-1:2006, *Semiconductor devices – Part 1: General*

IEC 60747-10:1991, *Semiconductor devices – Part 10: Generic specification for discrete devices and integrated circuits*

IEC 60748 (all parts), *Semiconductor devices – Integrated circuits*

IEC 60749, *Semiconductor devices – Mechanical and climatic test methods*

IEC 61747-1-2, *Liquid crystal display devices – Part 1-2: Terminology and letter symbols*

IEC 61747-5, *Liquid crystal and solid-state display devices – Part 5: Environmental, endurance and mechanical test methods*

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

IEC 61747-10-2, *Liquid crystal display devices – Part 10-2: Environmental and endurance measurements*

IEC 61747-20 (all parts), *Liquid crystal display devices – Visual inspection*

IEC 61747-30-1, *Liquid crystal display devices – Part 30-1: Measuring methods for liquid crystal display modules – Transmissive type*

ISO 2859 (all parts), *Sampling procedures for inspection by attributes*

ISO 2859-1, *Sampling procedures for inspection by attributes – Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection*

ISO 2859-10, *Sampling procedures for inspection by attributes – Part 10: Introduction to the ISO 2859 series of standards for sampling for inspection by attributes*