



SLOVENSKI STANDARD

SIST EN 61193-1:2002

01-september-2002

Quality assessment systems - Part 1: Registration and analysis of defects on printed board assemblies

Quality assessment systems -- Part 1: Registration and analysis of defects on printed board assemblies

Qualitätsbewertungssysteme -- Teil 1: Protokollierung und Analyse von Fehlern auf bestückten Leiterplatten

Système d'assurance de la qualité -- Partie 1: Enregistrement et analyse des défauts sur les cartes imprimées équipées

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Ta slovenski standard je istoveten z: **EN 61193-1:2002**

ICS:

03.120.99	Drugi standardi v zvezi s kakovostjo	Other standards related to quality
31.180	Tiskana vezja (TIV) in tiskane plošče	Printed circuits and boards

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en

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EUROPEAN STANDARD

EN 61193-1

NORME EUROPÉENNE

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February 2002

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Quality assessment systems
Part 1: Registration and analysis of defects
on printed board assemblies
(IEC 61193-1:2001)

Système d'assurance de la qualité
Partie 1: Enregistrement et analyse
des défauts sur les cartes
imprimées équipées
(CEI 61193-1:2001)

Qualitätsbewertungssysteme
Teil 1: Protokollierung und Analyse
von Fehlern auf bestückten Leiterplatten
(IEC 61193-1:2001)

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This European Standard was approved by CENELEC on 2002-02-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 91/265/FDIS, future edition 1 of IEC 61193-1, prepared by IEC TC 91, Electronics assembly technology, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61193-1 on 2002-02-01.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2002-11-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2005-02-01

Annexes designated "normative" are part of the body of the standard.

Annexes designated "informative" are given for information only.

In this standard, annexes A and ZA are normative and annexes B, C and D are informative.

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61193-1:2001 was approved by CENELEC as a European Standard without any modification.

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

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 60194	- ¹⁾	Printed board design, manufacture and assembly - Terms and definitions	-	-
IEC 61191-1	- ¹⁾	Printed board assemblies Part 1: Generic specification – Requirements for soldered electrical and electronic assemblies using surface mount and related assembly technologies	EN 61191-1	1998 ²⁾
IEC 61191-2	- ¹⁾	Part 2: Sectional specification – Requirements for surface mount soldered assemblies	EN 61191-2	1998 ²⁾
IEC 61191-3	- ¹⁾	Part 3: Sectional specification – Requirements for through-hole mount soldered assemblies	EN 61191-3	1998 ²⁾
IEC 61191-4	- ¹⁾	Part 4: Sectional specification – Requirements for terminal soldered assemblies	EN 61191-4	1998 ²⁾
IEC 61192-1	- ³⁾	Product performance requirements Part 1: Generic standard - Workmanship requirements for soldered electronic assemblies	-	-
IEC 61192-2	- ³⁾	Part 2: Sectional standard - Workmanship requirements for surface mount soldered electronic assemblies	-	-
IEC 61192-3	- ³⁾	Part 3: Sectional standard - Workmanship requirements for through- hole mount soldered assemblies	-	-

¹⁾ Undated reference.

²⁾ Valid edition at time of issue.

³⁾ To be published.

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<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61192-4	- ³⁾	Part 4: Sectional standard - Workmanship requirements for terminal soldered assemblies	-	-

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**NORME
INTERNATIONALE
INTERNATIONAL
STANDARD**

**CEI
IEC**

61193-1

Première édition
First edition
2001-12

Systeme d'assurance de la qualité –

**Partie 1:
Enregistrement et analyse des défauts
sur les cartes imprimées équipées**

iTeh STANDARD PREVIEW

Quality assessment systems –

**Part 1: SIST EN 61193-1:2002
Registration and analysis of defects
on printed board assemblies**

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

CODE PRIX
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

QUALITY ASSESSMENT SYSTEMS –

Part 1: Registration and analysis of defects
on printed board assemblies

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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- 3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical specifications, technical reports or guides and they are accepted by the National Committees in that sense.
- 4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.
- 5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards.
- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 61193-1 has been prepared by IEC technical committee 91: Electronics assembly technology.

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

FDIS	Report on voting
91/265/FDIS	91/273/RVD

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 3.

Annex A forms an integral part of this standard.

Annexes B, C and D are for information only.

The committee has decided that the contents of this publication will remain unchanged until 2006. At this date, the publication will be

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

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