SVENSK STANDARD SS-EN 60300-3-14

Fastställd	Utgåva	Sida	Ansvarig kommitté
2008-02-25	1	1 (1+42)	SEK TK 56

Tillförlitlighetsverksamhet – Del 3-14: Riktlinjer – Underhåll och underhållsstöd

Dependability management – Part 3-14: Application guide – Maintenance and maintenance support

Som svensk standard gäller europastandarden EN 60300-3-14:2004. Den svenska standarden innehåller den officiella engelska språkversionen av EN 60300-3-14:2004.

Nationellt förord

Europastandarden EN 60300-3-14:2004

består av:

– **europastandardens ikraftsättningsdokument,** utarbetat inom CENELEC

– **IEC 60300-3-14, First edition, 2004 - Dependability management - Part 3-14: Application guide - Maintenance and maintenance support**

utarbetad inom International Electrotechnical Commission, IEC.

ICS 03.100.40; 03.120.01

Denna standard är fastställd av SEK Svensk Elstandard,
som också kan lämna upplysningar om **sakinnehållet** i standarden.
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Standarder underlättar utvecklingen och höjer elsäkerheten

Det finns många fördelar med att ha gemensamma tekniska regler för bl a säkerhet, prestanda, dokumentation, utförande och skötsel av elprodukter, elanläggningar och metoder. Genom att utforma sådana standarder blir säkerhetskraven tydliga och utvecklingskostnaderna rimliga samtidigt som marknadens acceptans för produkten eller tjänsten ökar.

Många standarder inom elområdet beskriver tekniska lösningar och metoder som åstadkommer den elsäkerhet som föreskrivs av svenska myndigheter och av EU.

SEK är Sveriges röst i standardiseringsarbetet inom elområdet

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Stora delar av arbetet sker internationellt

Utformningen av standarder sker i allt väsentligt i internationellt och europeiskt samarbete. SEK är svensk nationalkommitté av International Electrotechnical Commission (IEC) och Comité Européen de Normalisation Electrotechnique (CENELEC).

Standardiseringsarbetet inom SEK är organiserat i referensgrupper bestående av ett antal tekniska kommittéer som speglar hur arbetet inom IEC och CENELEC är organiserat.

Arbetet i de tekniska kommittéerna är öppet för alla svenska organisationer, företag, institutioner, myndigheter och statliga verk. Den årliga avgiften för deltagandet och intäkter från försäljning finansierar SEKs standardiseringsverksamhet och medlemsavgift till IEC och CENELEC.

Var med och påverka!

Den som deltar i SEKs tekniska kommittéarbete har möjlighet att påverka framtida standarder och får tidig tillgång till information och dokumentation om utvecklingen inom sitt teknikområde. Arbetet och kontakterna med kollegor, kunder och konkurrenter kan gynnsamt påverka enskilda företags affärsutveckling och bidrar till deltagarnas egen kompetensutveckling.

Du som vill dra nytta av dessa möjligheter är välkommen att kontakta SEKs kansli för mer information.

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EUROPEAN STANDARD **EN 60300-3-14**

NORME EUROPÉENNE

EUROPÄISCHE NORM May 2004

ICS 03.100.40; 03.120.01

English version

Dependability management
Part 3-14: Application guide - Maintenance and maintenance support
(IEC 60300-3-14:2004)

Gestion de la sûreté de fonctionnement
Partie 3-14: Guide d'application -
Maintenance et support de maintenance
(CEI 60300-3-14:2004)

Zuverlässigkeitsmanagement
Teil 3-14: Anwendungsleitfaden -
Instandhaltung und
Instandhaltungsbereitschaft
(IEC 60300-3-14:2004)

This European Standard was approved by CENELEC on 2004-05-01. 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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, 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

Ref. No. EN 60300-3-14:2004 E

SEK Svensk Elstandard

Foreword

The text of document 56/929/FDIS, future edition 1 of IEC 60300-3-14, prepared by IEC TC 56, Dependability, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60300-3-14 on 2004-05-01.

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)	2005-02-01
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2007-05-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60300-3-14:2004 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

ISO 9000	NOTE	Harmonized as EN ISO 9000:2000 (not modified).

Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application 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.

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

Publication	Year	Title	EN/HD	Year
IEC 60300-1	2003	Dependability management Part 1: Dependability management systems	EN 60300-1	2003
IEC 60300-2	2004	Part 2: Guidelines for dependability management	EN 60300-2	2004
IEC 60300-3-2	- [1)]	Part 3: Application guide Section 2: Collection of dependability data from the field	-	-
IEC 60300-3-3	- [1)]	Part 3-3: Application guide - Life cycle costing	-	-
IEC 60300-3-10	- [1)]	Part 3-10: Application guide - Maintainability	-	-
IEC 60300-3-11	- [1)]	Part 3-11: Application guide - reliability centered maintenance	-	-
IEC 60300-3-12	- [1)]	Part 3-12: Application guide - Integrated logistic support	EN 60300-3-12	2004 [2)]
IEC 60706-3	- [1)]	Guide on maintainability of equipment Part 3: Sections Six and Seven - Verification and collection, analysis and presentation of data	-	-
IEC 60706-5	- [1)]	Part 5 - Section 4: Diagnostic testing	-	-
IEC 60812	- [1)]	Analysis techniques for system reliability - Procedure for failure mode and effects analysis (FMEA)	HD 485 S1	1987 [2)]
IEC 61025	- [1)]	Fault tree analysis (FTA)	HD 617 S1	1992 [2)]
IEC 61649	- [1)]	Goodness-of-fit tests, confidence intervals and lower confidence limits for Weibull distributed data	-	-

[1)] Undated reference.

[2)] Valid edition at date of issue.

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DEPENDABILITY MANAGEMENT –

Part 3-14: Application guide – Maintenance and maintenance support

1 Scope

This part of IEC 60300 describes a framework for maintenance and maintenance support and the various minimal common practices that should be undertaken. The purpose of this standard is to outline, in a generic manner, management, processes and techniques related to maintenance and maintenance support that are necessary to achieve adequate dependability to meet the operational needs of the customer.

NOTE 1 Maintenance and maintenance support are a major element of dependability as described in IEC 60300-1 and IEC 60300-2.

In some cases, regulatory and other mandatory requirements need to be considered. Maintenance and maintenance support requirements and obligations may therefore need to be specified in a contract, which cites this standard.

This standard is intended for use by a wide range of suppliers, maintenance support organizations and users and can be applied to all items.

This standard is applicable to items, which include all types of products, equipment and systems (hardware and associated software). Most of these require a certain level of maintenance to ensure that their required functionality, dependability, capability, economic, safety and regulatory requirements are achieved.

NOTE 2 For consistency, this standard will use the term “item” as defined in 3.1.5, except where the context requires otherwise.

2 Normative references

The following referenced documents are indispensable for the application 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 60300-1:2003, *Dependability management – Part 1: Dependability management systems*

IEC 60300-2:2004, *Dependability management – Part 2: Guidelines for dependability management*

IEC 60300-3-2, *Dependability management – Part 3: Application guide – Section 2: Collection of dependability data from the field*

IEC 60300-3-3, *Dependability management – Part 3: Application guide – Section 3: Life cycle costing*

IEC 60300-3-10, *Dependability management – Part 3-10: Application guide – Maintainability*