EESTI STANDARD **EVS-EN ISO 13567-1:2002**

Technical product documentation - Organization and naming of layers for CAD - Part 1: Overview and principles

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EVS **EESTI STANDARDIKESKUS**

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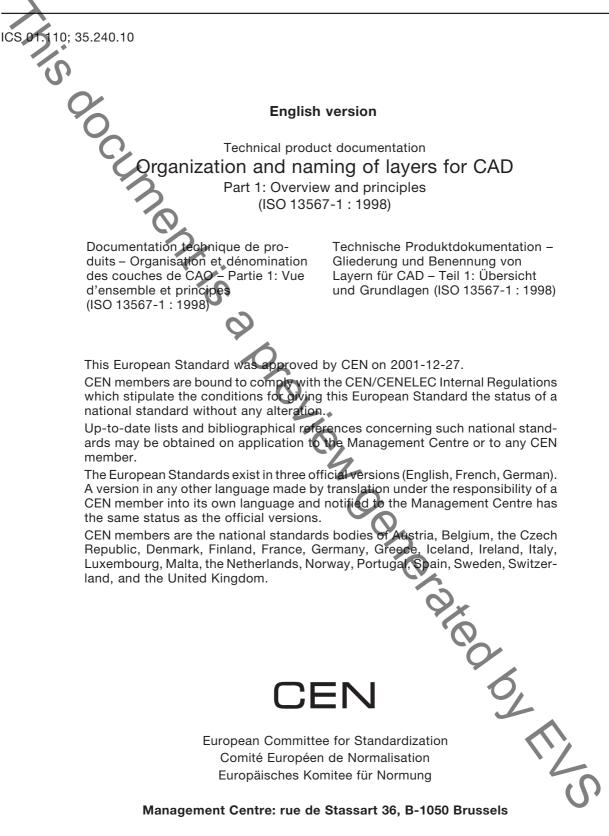
NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 13567-1:2002 sisaldab Euroopa standardi EN ISO 13567-1:2002 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 13567-1:2002 consists of the English text of the European standard EN ISO 13567-1:2002.
Käesolev dokument on jõustatud 12.07.2002 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.	This document is endorsed on 12.07.2002 with the notification being published in the official publication of the Estonian national standardisation organisation.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.

Käsitlusala: This part of EN ISO 13567 establishes general principles of layer structuring within CAD files. Layers are used to control visibility and to manage and communicate CAD file data. Layer names are used to represent this structure.	**Scope:** This part of EN ISO 13567 establishes general principles of layer structuring within CAD files. Layers are used to control visibility and to manage and communicate CAD file data. Layer names are used to represent this structure.

ICS 01.110, 35.240.10

Võtmesõnad: computer aided design, computer applications, generalities, surveys, technical documents, technical drawings

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 13567-1

January 2002

English version

Technical product documentation
Organization and naming of layers for CAD
Part 1: Overview and principles
(ISO 13567-1 : 1998)

Documentation technique de pro-
duits – Organisation et dénomination
des couches de CAO – Partie 1: Vue
d'ensemble et principes
(ISO 13567-1 : 1998)

Technische Produktdokumentation –
Gliederung und Benennung von
Layern für CAD – Teil 1: Übersicht
und Grundlagen (ISO 13567-1 : 1998)

This European Standard was approved by CEN on 2001-12-27.

CEN 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 Management Centre or to any CEN member.

The European Standards exist in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Management Centre has the same status as the official versions.

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

CEN

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

Management Centre: rue de Stassart 36, B-1050 Brussels

Ref. No. EN ISO 13567-1 : 2002 E

Foreword

International Standard

ISO 13567-1 : 1998   Technical product documentation – Organization and naming of layers for CAD – Part 1: Overview and principles,

which was prepared by ISO/TC 10 'Technical drawings, product definition and related documentation' of the International Organization for Standardization, has been adopted by CEN/CMC as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by July 2002 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard:

Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 13567-1 : 1998 was approved by CEN as a European Standard without any modification.

Introduction

ISO 13567 consists of three parts which deal with CAD layer organization and naming. ISO 13567-1 has a general application whereas ISO 13567-2 and ISO 13567-3 (under study) are applicable to construction projects.

The purpose of ISO 13567 is to establish a common international basis for organizing data in CAD systems that covers the structuring of data into layers.

1 Scope

This part of ISO 13567 establishes the general principles of layer structuring within CAD files. Layers are used to control visibility and to manage and communicate CAD file data. Layer names are used to represent this structure.

The principles are applicable to all parties involved in preparing and using technical documentation on computer systems. Although these principles are primarily for users, CAD system developers are expected to provide software tools capable of implementing and supporting this part of ISO 13567. An important use is also to structure data in component libraries produced by third parties.

2 Normative reference

The following standard contain provisions which, through reference in this text, constitute provisions of this part of ISO 13567. At the time of publication, the edition indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 13567 are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 10303-201:1994, *Industrial automation systems and integration — Product data representation and exchange — Part 201: Application protocol: Explicit draughting.*

3 Definitions

For the purposes of this part of ISO 13567, the definitions for CAD draughting given in ISO 10303-201 and the following definitions apply.

3.1 layer: Organizational attribute of entities in a CAD data file, used to separate data in order to manage and communicate those data and to control visibility on the computer screen and on plotted drawings.

NOTE — In CAD systems, synonyms for "layer" are used, for example "level".

3.2 CAD model: Structured CAD data file(s) organized according to the physical parts of the objects represented, for example a building or a mechanical device.

NOTE — Models can be two-dimensional or three-dimensional, and can include graphical as well as non-graphical data attached to the objects.