

# INTERNATIONAL STANDARD

**ISO**  
**11442-1**

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## **Technical product documentation — Handling of computer-based technical information —**

### **Part 1:** Security requirements

*Documentation technique de produits — Gestion des informations  
techniques assistée par ordinateur —*

*Partie 1: Exigences de sécurité*



Reference number  
ISO 11442-1:1993(E)

## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 11442-1 was prepared by Technical Committee ISO/TC 10, *Technical drawings, product definition and related documentation*.

ISO 11442 consists of the following parts, under the general title *Technical product documentation — Handling of computer-based technical information*:

- Part 1: *Security requirements*
- Part 2: *Original documentation*
- Part 3: *Phases in the product design process*
- Part 4: *Document management and retrieval systems*

# Technical product documentation — Handling of computer-based technical information —

## Part 1: Security requirements

### 1 Scope

This part of ISO 11442 covers security aspects involved in the handling of computer-aided design (CAD) information. Such computer security is divided into four areas:

- a) security with regard to installation and operation;
- b) system security;
- c) security with regard to document contents;
- d) security with regard to communication.

Areas a) and b) apply to computerization in any form, irrespective of the subject area, and are therefore not dealt with in detail in this part of ISO 11442, with the exception of backup copying, to which special attention should be paid in computer-aided design techniques.

The use of this part of ISO 11442 is intended to facilitate:

- communication with quality assurance functions within the company and outside;
- consideration of the different security aspects in the design work;
- purchase of appropriate systems and services.

### 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 11442. At the time of publication,

the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 11442 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 10209-1:1992, *Technical product documentation — Vocabulary — Part 1: Terms relating to technical drawings: general and types of drawings*.

ISO/TR 10623:1991, *Technical product documentation — Requirements for computer-aided design and draughting — Vocabulary*.

### 3 Definitions

For the purposes of this part of ISO 11442, the definitions given in ISO 10209-1 apply. Further terminology is given in ISO/TR 10623.

### 4 Structural relationship of computer security

The structural relationship of the various security systems is presented schematically in figure 1.

### 5 Security with regard to installation and operation

NOTE 1 For access authorization, see 7.1.

#### 5.1 Installation

Installation of computer equipment shall follow the specifications of the supplier.