



National Standards Authority of Ireland

IRISH STANDARD

ENV ISO 10303-1:1995

ICS 35.240.50

**INDUSTRIAL AUTOMATION SYSTEMS AND  
INTEGRATION - PRODUCT DATA  
REPRESENTATION AND EXCHANGE - PART  
1 : OVERVIEW AND FUNDAMENTAL  
PRINCIPLES (ISO 10303-1 : 1994)**

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English version

**Industrial automation systems and integration -  
Product data representation and exchange - Part  
1: Overview and fundamental principles  
(ISO 10303-1:1994)**

Systemes d'automatisation industrielle et  
intégration - Représentation et échange de  
données de produits - Partie 1: Aperçu et  
principes fondamentaux (ISO 10303-1:1994)

This European Prestandard (ENV) was approved by CEN on 1995-08-07 as a prospective standard for provisional application. The period of validity of this ENV is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the ENV can be converted into an European Standard (EN).

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**CEN**

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

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## **Foreword**

This European Prestandard has been taken over by the Technical Committee CEN/TC 310 "Advanced Manufacturing Technologies" from the work of ISO/TC 184 "Industrial automation systems and integration" of the International Organization for Standardization (ISO).

This European Prestandard has been dealt with by CEN/TC 310/WG 2 "STEP". One of the main objectives of WG 2 is to manage the transposition of the "Initial release" of ISO 10303 (Parts 1, 11, 21, 31, 41, 42, 43, 44, 46, 101, 201 and 203) into ENVs.

The choice of ENVs and not EN has been proposed by WG 2 and accepted by the TC 310 because of the need - at the European specific level - for sufficient period of experimentation to validate the concepts contained in ISO 10303, before the withdrawal of existing standards.

The technical content of this European Prestandard is identical to ISO 10303-1. The document has been submitted to the Formal Vote and was adopted by the CEN members as a European Prestandard.

Any suggestions to improve the content of this European Prestandard should be submitted to one of the members of CEN so that the comments may be passed to CEN/TC 310/WG 2.

The standard exists in English only.

According to the CEN/CENELEC Internal Regulations, the following countries are bound to announce this European Standard:

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

## **Endorsement notice**

The text of the International Standard ISO 10303-1:1994 has been approved by CEN as a European Prestandard without any modification.

# INTERNATIONAL STANDARD

**ISO**  
**10303-1**

First edition  
1994-12-15

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## **Industrial automation systems and integration — Product data representation and exchange —**

### **Part 1:** Overview and fundamental principles

*Systèmes d'automatisation industrielle et intégration — Représentation  
et échange de données de produits —*

*Partie 1: Aperçu et principes fondamentaux*



Reference number  
ISO 10303-1:1994(E)

**ISO 10303-1:1994(E)**

<b>Contents</b>	<b>Page</b>
1 Scope . . . . .	1
2 Normative references . . . . .	2
3 Definitions and abbreviations . . . . .	2
3.1 Terms defined in ISO 10303-31 . . . . .	2
3.2 Other definitions . . . . .	3
3.2.1 abstract test suite . . . . .	3
3.2.2 application . . . . .	3
3.2.3 application activity model (AAM) . . . . .	3
3.2.4 application context . . . . .	3
3.2.5 application interpreted model (AIM) . . . . .	3
3.2.6 application object . . . . .	3
3.2.7 application protocol (AP) . . . . .	3
3.2.8 application reference model (ARM) . . . . .	3
3.2.9 application resource . . . . .	3
3.2.10 assembly . . . . .	3
3.2.11 component . . . . .	3
3.2.12 conformance class . . . . .	3
3.2.13 conformance requirement . . . . .	4
3.2.14 data . . . . .	4
3.2.15 data exchange . . . . .	4
3.2.16 data specification language . . . . .	4
3.2.17 exchange structure . . . . .	4
3.2.18 generic resource . . . . .	4
3.2.19 implementation method . . . . .	4
3.2.20 information . . . . .	4
3.2.21 information model . . . . .	4
3.2.22 integrated resource . . . . .	4
3.2.23 interpretation . . . . .	4
3.2.24 PICS proforma . . . . .	4
3.2.25 presentation . . . . .	4
3.2.26 product . . . . .	4
3.2.27 product data . . . . .	4
3.2.28 product information . . . . .	4

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