



National Standards Authority of Ireland

IRISH STANDARD

ENV ISO 10303-21:1995

ICS 35.240.50

**INDUSTRIAL AUTOMATION SYSTEMS AND  
INTEGRATION - PRODUCT DATA  
REPRESENTATION AND EXCHANGE - PART  
21 : IMPLEMENTATION METHODS : CLEAR  
TEXT ENCODING OF THE EXCHANGE  
STRUCTURE (ISO 10303-21 : 1994)**

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EUROPEAN PRESTANDARD

ENV ISO 10303-21

PRÉNORME EUROPÉENNE

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Descriptors: automation, automation engineering, computer applications, industrial products, data, data representation, data exchange, coding (data conversion), implementation

English version

**Industrial automation systems and integration -  
Product data representation and exchange - Part  
21: Implementation methods: Clear text encoding  
of the exchange structure (ISO 10303-21:1994)**

Systèmes d'automatisation industrielle et  
intégration - Représentation et échange de  
données de produits - Partie 21: Méthodes de  
mise en application: Encodage en texte clair  
des fichiers d'échange (ISO 10303-21:1994)

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 10303-21. 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 10303-21:1994 has been approved by CEN as a European Prestandard without any modification.

# INTERNATIONAL STANDARD

**ISO**  
**10303-21**

First edition  
1994-12-15

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

### **Part 21:**

Implementation methods: Clear text encoding  
of the exchange structure

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

*Partie 21: Méthodes de mise en application: Encodage en texte clair des  
fichiers d'échange*



Reference number  
ISO 10303-21:1994(E)

Contents	Page
1 Scope . . . . .	1
2 Normative references . . . . .	1
3 Definitions . . . . .	2
3.1 Terms defined in ISO 8859-1 . . . . .	2
3.2 Terms defined in ISO 10646 . . . . .	2
3.3 Terms defined in ISO 10303-1 . . . . .	3
3.4 Terms defined in ISO 10303-11 . . . . .	3
3.5 Terms defined in ISO 10303-44 . . . . .	3
3.6 Other definitions . . . . .	3
4 Abbreviations . . . . .	4
5 Exchange structure fundamental concepts and assumptions . . . . .	4
5.1 Introduction . . . . .	4
5.2 Notational and typographical conventions . . . . .	4
5.3 Conformance . . . . .	4
6 Formal definitions . . . . .	5
6.1 Formal notation . . . . .	5
6.2 Basic alphabet definition . . . . .	5
6.3 Exchange structure . . . . .	5
6.4 Definition of tokens . . . . .	6
6.5 WSN of the exchange structure . . . . .	6
6.6 Token separators . . . . .	6
6.7 Parameter lists . . . . .	7
7 Tokens . . . . .	7
7.1 Special tokens . . . . .	7
7.2 Keywords . . . . .	8
7.3 Simple data types . . . . .	8
7.3.1 Integer . . . . .	9
7.3.2 Real . . . . .	9
7.3.3 String . . . . .	10
7.3.4 Entity instance names . . . . .	12
7.3.5 Enumeration values . . . . .	13
7.3.6 Binary . . . . .	13

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