

Implementation of ENV 41511 : 1990

Information Systems Interconnection — Office Document Architecture (ODA) — Document Application Profile — Layout Independent Documents — Simple Messaging Profile

National foreword

This Draft for Development is identical with the European Prestandard ENV 41511 : 1990 'Information Systems Interconnection — Office Document Architecture (ODA) — Document Application Profile — Layout Independent Documents — Simple Messaging Profile', prepared by CEN/CENELEC whose members have committed themselves to making it available in an appropriate form. In the UK the Draft for Development is the form now chosen for ENVs in the information technology area.

This Draft for Development is published under the direction of the Information Systems Technology Standards Policy Committee whose Technical Committee IST/18 has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on interpretation, or proposals for change, and to keep UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

NOTE. International and European Standards, as well as overseas standards, are available from BSI Sales Department, BSI, Linford Wood, Milton Keynes MK14 6LE.

After two years this ENV will be reviewed by CEN/CENELEC members with a view to its:

- conversion into a European Standard (which would be implemented in the UK as a British Standard);
- extension once for a further two years;
- replacement by a revised ENV (which would be published in the UK, probably as a revised Draft for Development);
- withdrawal.

The future of this Draft for Development is therefore dependent on that of the ENV.

This publication is not to be regarded as British Standard.

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Key words: Data Processing, Information Interchange, Data Transmission, Documents, Dimensions, Logical Structure

English Version

Information Systems Interconnection - Office Document Architecture
(ODA) - Document Application Profile - Layout Independent Documents -
Simple Messaging Profile

Interconnexion des systèmes
d'informations - ODA - Profil
d'application de Documents - Documents
Retraitables et Indépendants de la mise
en page - Profile Simple pour
Messagerie

Kommunikation von Informationssystemen
- ODA - Anwendungsprofil für Dokumente
- Weiterbearbeitbare und Layout -
unabhängige Dokumente - Einfaches
Mitteilungsprofil

This European Prestandard (ENV) was accepted by CEN/CENELEC on 1989-10-19 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/CENELEC will be requested to submit their comments, particularly on the question whether the ENV can be converted into an EN.

CEN/CENELEC members are required to announce the existence of this ENV in the same way as for an EN and to make the ENV available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the ENV) until the final decision about the possible conversion of the ENV into an EN is reached.

CEN/CENELEC members are the national standards organizations and national committees, respectively, of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN/CENELEC

The joint European Standards Institution
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BRIEF HISTORY

This European Prestandard (ENV) was elaborated by the EWOS Expert Group ODA and submitted by the CEN/CENELEC Central Secretariat to the members for Formal Vote on 29 March 1989. It was approved with a number of technical and editorial comments, which were discussed by the Expert Group on 19 October 1989. The resulting amended version was adopted at a CEN/CENELEC voting meeting on the same day, where the following member countries voted for its acceptance: Belgium, France, Germany, Greece, Italy, United Kingdom.

Contents

0	Introduction
1	Scope and field of applications
2	References
3	Definitions and abbreviations
4	Relationships to other document application profiles
4.1	Q111
4.2	Q112
4.3	Q113
4.4	Q121
4.5	Core profiles
5	Conformance to Q121
6	Characteristics supported by this document application profile
6.1	Overview
6.2	Logical characteristics
6.3	Layout characteristics
6.4	Document layout characteristics
6.5	Content layout and imaging characteristics
6.6	Miscellaneous features
6.7	Document management features
6.8	Diagrams illustrating the relationship of constituents
7	Specification of constituent constraints
7.1	Document profile constraints
7.2	Logical Constituent Constraints
7.3	Presentation Style Constraints
7.4	Content Portion Constraints
8	Interchange Format
Annex A	Conveyance of ODA over Message Handling Services
Annex B	Differences between Q121 and ISO 8613 as published

0. Introduction

This is the definition of an ODA document application profile named Q121, suitable for interchanging a document in processable form. This document application profile, which has been proposed by EWOS, is defined in accordance with ISO 8613-1 and CCITT Recommendation T.411 and follows the standardized proforma outline and notation defined in Draft Addendum ISO 8613-1 Annex F (to be published).

1. Scope and field of application

This document application profile specifies interchange formats for the transfer of simple character only documents between message handling systems. It provides for the interchange of documents in processable form only. This allows such documents to be interchanged and presented irrespective of the differences between the processing and display capabilities of the sending and receiving systems.

This document application profile is independent of the processes carried out in an end system to create, edit or reproduce documents. It is also independent of the means to transfer documents which, for example, may be by means of communication links or storage media.

2. References

ISO 2022 - Information Processing - ISO 7-bit and 8-bit coded character sets - Code Extension Techniques

ISO 6937-1 - Information Processing - Coded Character Sets for Text Communications - Part 1: General Introduction

ISO 6937-2 - Information Processing - Coded character sets for text communications - Latin Alphabetic and Non-Alphabetic Graphic Characters

ISO 8613-1 - Information Processing : Text and Office Systems; Office Document Architecture (ODA) and Interchange Format Part 1: Introduction and General Principles

ISO 8613-1 - Information Processing : Text and Office Systems; Office Document Architecture (ODA) and Interchange Format Part 1: PDAD Document Application Profile Proforma and Notation (to be published)

ISO 8613-2 - Information Processing : Text and Office Systems; Office Document Architecture (ODA) and Interchange Format Part 2: Document Structures

ISO 8613-4 - Information Processing : Text and Office Systems; Office Document Architecture (ODA) and Interchange Format Part 4: Document Profile

ISO 8613-5 - Information Processing : Text and Office Systems; Office Document Architecture (ODA) and Interchange Format Part 5: Office Document Interchange Format

ISO 8613-6 - Information Processing : Text and Office Systems; Office Document Architecture (ODA) and Interchange Format Part 6: Character Content Architectures

ISO 8613-1 - Information Processing : Text and Office Systems; Office Document Architecture (ODA) and Interchange Format Part 1 Annex F: DAD A Document Application Profile Proforma and Notation (to be published)

ISO 8859-1 - Information Processing - 8-bit Single-byte Coded Graphic Character Sets - Part 1: Latin Alphabet No. 1

ISO 8859-7 - Information Processing - 8-bit Single-Byte Coded Graphic Character Sets - Part 7: Latin / Greek Alphabet

ISO 8824 - Information Processing - Specification of Abstract Syntax Notation One (ASN.1).

ISO 8825 - Information Processing - Specification of Basic Encoding Rules for Abstract Syntax Notation One (ASN.1).

CCITT T.411 - Open Document Architecture (ODA) and Interchange Format - Introduction and General Principles 1988

CCITT T.412 - Open Document Architecture (ODA) and Interchange Format - Document Structures 1988

CCITT T.414 - Open Document Architecture (ODA) and Interchange Format - Document Profile 1988

CCITT T.415 - Open Document Architecture (ODA) and Interchange Format - Document Interchange Format (ODIF) 1988

CCITT T.416 - Open Document Architecture (ODA) and Interchange Format - Character Content Architectures 1988

CCITT T.502 - Document Application Profile PM1 for the Interchange of Processable Form Documents 1988

ENV 41201 - Private Message handling System: User Agent and Message Transfer Agent: Private Management Domain to Private Management Domain (1988)

ENV 41202 - Information Systems Interconnection: Message Handling Systems:

User Agent (UA) plus Message Transfer Agent (MTA) : Access to an Administrative Domain (1987)

ENV 41509 Q111 ODA Document Application Profile : Basic Character Content

ENV 41510 (Q112) ODA Document Application Profile : Extended Mixed Mode

Pr ENV... (Q113) ODA Document Application Profile : Enhanced Mixed Mode (to be published)

3. Definitions and abbreviations

The definitions given in ISO 8613-1 are applicable to this document.

4. Relationships to other document application profiles

This EWOS document defines a document application profile in accordance with ISO 8613.

This profile is referred to as Q121 and forms one of a set of related profiles Q111, Q112 and Q113 whose features are summarized below. Each of these features provides for the interchange of documents in three forms, namely formatted, processable and formatted processable forms, as defined in ISO 8613.

Q111, Q112 and Q121 are currently defined, whereas Q113 is not defined and is under study.

Q111, Q112 and Q113 are defined such that Q111 has the lowest level of functionality and Q113 the highest. All the functions provided by Q111 are provided by Q112 and it is intended that all the functions provided by Q112 are to be provided by Q113. Further details concerning the relationships between Q111 and Q112 are described in Annex C.

4.1 Q111

This profile provides for the interchange of documents containing character content between basic word processing systems.

From the logical point of view, the document content is represented in the form of a sequence of 'paragraphs'. These can be arranged into groups of one or more paragraphs to allow different layout and presentation features to be specified for each group.

From the layout point of view, the document content can be laid out into pages in the form of a single column of text. A part of the page can be reserved for header or footer content. Within the scope of these constraints, the page layout can be altered, as required, throughout the document.

Also, various layout and presentation parameters can be applied to each paragraph within the document. These include various forms of emphasis, tabulation, indentation, itemisation of paragraphs, alignment, the specification of various values of line and character spacings, widow and orphan sizes and the specification of margins. Automatic page numbering is also provided.

This document application profile is identical to CCITT Recommendation T.502. Clarifications to T.502 which are currently subject to ratification by CCITT are given in Annex D of ENV 41 509.