

Implementation of
ISO/IEC 8613-3:1995

Information technology — Open Document Architecture (ODA) and interchange format: Abstract interface for the manipulation of ODA documents

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- British Computer Society
- British Telecommunications plc
- Digital Equipment Co. Ltd.
- HM Treasury (Central Computer and Telecommunications Agency)
- IBM United Kingdom Ltd.
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National foreword

This British Standard reproduces verbatim ISO/IEC 8613-3:1995 and implements it as the UK national standard.

This British Standard is published under the direction of the Information Systems Technology Assembly whose Technical Committee IST/18 has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international committee any enquiries on interpretation, or proposals for change, and 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 Customer Services, BSI, 389 Chiswick High Road, London W4 4AL.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the ISO/IEC title page, pages ii to iv, pages 1 to 21 and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

INTERNATIONAL
STANDARD

ISO/IEC
8613-3

First edition
1995-08-01

**Information technology — Open
Document Architecture (ODA) and
interchange format: Abstract interface for
the manipulation of ODA documents**

*Technologies de l'information — Architecture des documents ouverts
(ODA) et format d'échange: Interface abstraite pour la manipulation des
documents d'ODA*



Reference number
ISO/IEC 8613-3:1995(E)

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Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.

In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

International Standard ISO/IEC 8613-3 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 18, *Document processing and related communication*, in collaboration with ITU-T. The identical text is published as ITU-T Recommendation T.413.

ISO/IEC 8613 consists of the following parts, under the general title *Information technology — Open Document Architecture (ODA) and interchange format*:

- *Part 1: Introduction and general principles;*
- *Part 2: Document structures;*
- *Part 3: Abstract interface for the manipulation of ODA documents;*
- *Part 4: Document profile;*
- *Part 5: Open Document Interchange Format;*
- *Part 6: Character content architectures;*
- *Part 7: Raster graphics content architectures;*
- *Part 8: Geometric graphics content architectures;*
- *Part 9: Audio content architectures;*
- *Part 10: Formal specifications;*
- *Part 11: Tabular structures and tabular layout;*
- *Part 12: Identification of document fragments;*
- *Part 13: Spreadsheet;*
- *Part 14: Temporal relationships and non-linear structures.*

Annex A forms an integral part of this part of ISO/IEC 8613. Annex B is for information only.

1 Scope

The purpose of ITU-T Rec. T.410-Series | ISO/IEC 8613 is to facilitate the interchange and manipulation of documents.

In the context of these Recommendations | International Standards, documents are considered to be items such as memoranda, letters, invoices, forms and reports, which may include pictures and tabular material. The content elements used within the documents may include graphic characters, raster graphics elements and geometric graphics element, all potentially within one document.

NOTE These Recommendations | International Standards are designed to allow for extensions, including spreadsheets and additional types of content such as video.

In addition to the content types defined in these Recommendations | International Standards, ODA also provides for arbitrary content types to be included in documents.

These Recommendations | International Standards apply to the interchange of documents by means of data communications or the exchange of storage media.

These Recommendations | International Standards provide for the interchange of documents for either or both of the following purposes:

- to allow presentation as intended by the originator;
- to allow processing, such as editing and reformatting.

The composition of a document in interchange can take several forms:

- formatted form, allowing presentation of the document;
- processable form, allowing processing of the document;
- formatted processable form, allowing both presentation and processing of the document.

These Recommendations | International Standards also provide for the interchange of ODA information structures used for the processing of interchanged documents.

This Recommendations | International Standard:

- describes an Abstract Interface that supports manipulation of ODA documents;
- defines the operations that are applicable to document fragments in order to facilitate the handling of ODA documents, and to support applications.

2 Normative references

The following Recommendations and International Standards contain provisions which, through reference in this text, constitute provisions of this Recommendation | International Standard. At the time of publication, the editions indicated were valid. All Recommendations and Standards are subject to revision, and parties to agreements based on this Recommendation | International Standard are encouraged to investigate the possibility of applying the most recent edition of the Recommendations and Standards listed below. Members of IEC and ISO maintain registers of currently valid International Standards. The Telecommunication Standardization Bureau of the ITU maintains a list of currently valid ITU-T/CCITT Recommendations.