



Open Document Format for Office Applications (OpenDocument) Version 1.2

OASIS Standard

29 September 2011

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Related work:

This specification supersedes OASIS [OpenDocument v1.1](#) [ODF11].

This specification consists of this document as well as the following documents, schemas and ontologies:

[OpenDocument v1.2 part 1: OpenDocument Schema](#)
[OpenDocument v1.2 part 2: Recalculated Formula \(OpenFormula\) Format](#)
[OpenDocument v1.2 part 3: Packages](#)
[OpenDocument v1.2 Relax NG Schema](#)
[OpenDocument v1.2 Manifest Schema](#)
[OpenDocument v1.2 Digital Signature Schema](#)
[OpenDocument v1.2 Metadata Manifest Ontology](#)
[OpenDocument v1.2 Package Metadata Manifest Ontology](#)

Declared XML namespaces:

urn:oasis:names:tc:opendocument:xmlns:animation:1.0
urn:oasis:names:tc:opendocument:xmlns:chart:1.0
urn:oasis:names:tc:opendocument:xmlns:config:1.0
urn:oasis:names:tc:opendocument:xmlns:database:1.0
urn:oasis:names:tc:opendocument:xmlns:dr3d:1.0
urn:oasis:names:tc:opendocument:xmlns:drawing:1.0
urn:oasis:names:tc:opendocument:xmlns:form:1.0
urn:oasis:names:tc:opendocument:xmlns:manifest:1.0
urn:oasis:names:tc:opendocument:xmlns:meta:1.0
urn:oasis:names:tc:opendocument:xmlns:data style:1.0
urn:oasis:names:tc:opendocument:xmlns:office:1.0
urn:oasis:names:tc:opendocument:xmlns:presentation:1.0
urn:oasis:names:tc:opendocument:xmlns:script:1.0
urn:oasis:names:tc:opendocument:xmlns:table:1.0
urn:oasis:names:tc:opendocument:xmlns:text:1.0
urn:oasis:names:tc:opendocument:xmlns:style:1.0
urn:oasis:names:tc:opendocument:xmlns:xsl-fo-compatible:1.0
urn:oasis:names:tc:opendocument:xmlns:svg-compatible:1.0
urn:oasis:names:tc:opendocument:xmlns:smil-compatible:1.0
urn:oasis:names:tc:opendocument:xmlns:of:1.2
<http://docs.oasis-open.org/ns/office/1.2/meta/odff#>
urn:oasis:names:tc:opendocument:xmlns:manifest:1.0
urn:oasis:names:tc:opendocument:xmlns:digitalsignature:1.0
<http://docs.oasis-open.org/ns/office/1.2/meta/pkg#>

Abstract:

This specification consists of this document as well as the following three parts:

Part 1 defines an XML schema for office applications and its semantics. The schema is suitable for office documents, including text documents, spreadsheets, charts and graphical documents like drawings or presentations, but is not restricted to these kinds of documents.

Part 2 defines a formula language to be used in OpenDocument documents.

Part 3 defines a package format to be used for OpenDocument documents.

Status:

This document was last revised or approved by the OASIS Open Document Format for Office Applications (OpenDocument) TC on the above date. The level of approval is also listed above. Check the "Latest version" location noted above for possible later revisions of this document.

Technical Committee members should send comments on this specification to the Technical Committee's email list. Others should send comments to the Technical Committee by using the "[Send A Comment](#)" button on the Technical Committee's web page at <http://www.oasis-open.org/committees/office/>.

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1 Introduction

1.1 Scope

This standard specifies the characteristics of an XML-based application-independent and platform-independent digital document file format, as well as the characteristics of software applications which read, write and process such documents. This standard is applicable to document authoring, editing, viewing, exchange and archiving, including text documents, spreadsheets, presentation graphics, drawings, charts and similar documents commonly used by personal productivity software applications.

This standard has three parts.

Part 1 defines an XML schema for office documents. Office documents includes text documents, spreadsheets, charts and graphical documents like drawings or presentations, but is not restricted to these kinds of documents.

Part 2 defines a formula language for OpenDocument documents.

Part 3 defines the package format for OpenDocument documents.

This standard, for illustrative purposes, describes functionality using terminology common in desktop computing environments that contain a display terminal, keyboard and mouse, attached to a computer hosting an operating system with a graphical user interface which includes user interface controls such as input controls, command buttons, selection boxes, etc.

However, this standard is not limited to such environments. The standard also supports the use of alternative computing environments, other form factors, non-GUI consumers and producers, and the use of assistive technologies, using analogous user interface operations.

1.2 Terminology

All text is normative unless otherwise labeled.

Within the normative text of this specification, the terms "shall", "shall not", "should", "should not", "may" and "need not" are to be interpreted as described in Annex H of [ISO/IEC Directives].

implementation-defined behavior: behavior that depends on the implementation and that each implementation shall document.

implementation-dependent behavior: behavior that depends on the implementation. The implementation is not required to document which behavior occurs.

Note:: Usually, the range of possible behaviors is delineated by the Standard.

undefined behavior: behavior for which the Standard imposes no requirements. Undefined behavior may also be expected when the standard omits the description of any explicit definition of behavior.

1.3 Normative References

[ISO/IEC Directives] ISO/IEC Directives, Part 2 (Fifth Edition) *Rules for the structure and drafting of International Standards*, International Organization for Standardization and International Electrotechnical Commission, 2004.

The individual parts of the OpenDocument specification each defines its own set of normative references.

1.4 Non Normative References

[ODF11] OASIS Standard, *Open Document Format for Office Applications (OpenDocument) v1.1*, February 2007, <http://docs.oasis-open.org/office/v1.1/OS/OpenDocument-v1.1.pdf>.

The individual parts of the OpenDocument specification each contains further non normative references.

2 Conformance

The OpenDocument specification defines conformance for documents, consumers, producers, packages, package consumer, package producers, formula expressions and formula evaluators, with multiple conformance classes.

(C1) A *conforming OpenDocument Document* shall meet the requirements defined in part 1 section 2.2.1 and chapters 3 to 20 for OpenDocument documents..

(C2) A *conforming OpenDocument extended Document* shall meet the requirements defined in part 1 section 2.2.2 and chapters 3 to 20 for OpenDocument extended documents.

(C3) A *conforming OpenDocument Text Document* shall meet the requirements defined in part 1 section 2.2.3 and chapters 3 to 20 for OpenDocument Text documents.

(C4) A *conforming OpenDocument Spreadsheet Document* shall meet the requirements defined in part 1 section 2.2.4 and chapters 3 to 20 for OpenDocument Spreadsheet documents.

(C5) A *conforming OpenDocument Drawing Document* shall meet the requirements defined in part 1 section 2.2.5 and chapters 3 to 20 for OpenDocument Drawing documents.

(C6) A *conforming OpenDocument Presentation Document* shall meet the requirements defined in part 1 section 2.2.6 and chapters 3 to 20 for OpenDocument Presentation documents.

(C7) A *conforming OpenDocument Chart Document* shall meet the requirements defined in part 1 section 2.2.7 and chapters 3 to 20 for OpenDocument Chart documents.

(C8) A *conforming OpenDocument Image Document* shall meet the requirements defined in part 1 section 2.2.8 and chapters 3 to 20 for OpenDocument Image documents.

(C9) A *conforming OpenDocument Formula Document* shall meet the requirements defined in part 1 section 2.2.9 and chapters 3 to 20 for OpenDocument Formula documents.

(C10) A *conforming OpenDocument Database Front End Document* shall meet the requirements defined in part 1 section 2.2.10 and chapters 3 to 20 for OpenDocument Database Front End documents.

(C11) A *Conforming OpenDocument Producer* shall meet the requirements defined in part 1 section 2.3.1 and chapters 3 to 20 for OpenDocument producers.

(C12) A *Conforming OpenDocument Extended Producer* shall meet the requirements defined in part 1 section 2.3.2 and chapters 3 to 20 for OpenDocument extended producers.

(C13) A *Conforming OpenDocument Consumer* shall meet the requirements defined in part 1 section 2.4 and chapters 3 to 20 for OpenDocument consumers.

(C14) A *conforming OpenDocument Formula Expression* shall meet the requirements defined in part 2 section 2.2 and chapters 3 to 8 for OpenDocument formula expressions.

(C15) A *Conforming OpenDocument Formula Evaluator* shall meet the requirements defined in part 2 section 2.3.1 and chapters 3 to 8 for OpenDocument formula evaluators.

(C16) A *Conforming OpenDocument Formula Small Group Evaluator* shall meet the requirements defined in part 2 section 2.3.2 and chapters 3 to 8 for OpenDocument formula small group evaluators.

(C17) A *Conforming OpenDocument Formula Medium Group Evaluator* shall meet the requirements defined in part 2 section 2.3.3 and chapters 3 to 8 for OpenDocument formula medium group evaluators.

(C18) A Conforming *OpenDocument Formula Large Group Evaluator* shall meet the requirements defined in part 2 section 2.3.4 and chapters 3 to 8 for OpenDocument formula large group evaluators.

(C19) A *conforming OpenDocument Package* shall meet the requirements defined in part 3 section 2.2.1 and chapters 3 to 7 for OpenDocument packages.

(C20) A *conforming OpenDocument Extended Package* shall meet the requirements defined in part 3 section 2.2.2 and chapters 3 to 7 for OpenDocument extended packages.

(C21) A *Conforming OpenDocument Package Producer* shall meet the requirements defined in part 3 section 2.3.1 and chapters 3 to 7 for OpenDocument package producers.

(C22) A *Conforming OpenDocument Package Extended Producer* shall meet the requirements defined in part 3 section 2.3.2 and chapters 3 to 7 for OpenDocument package extended producers.

(C23) A *Conforming OpenDocument Package Consumer* shall meet the requirements defined in part 3 section 2.4 and chapters 3 to 7 for OpenDocument package consumers.

Appendix A. Changes From Previous Specification Versions (Non Normative)

A.1. Changes from “Open Document Format for Office Applications (OpenDocument) v1.1”

The OpenDocument specification has been divided into three parts and has been restructured. A more detailed list of changes is included in parts 1 and 3. Part 2 contains content that is new in OpenDocument v1.2.

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