

INTERNATIONAL
STANDARD

ISO/IEC
23001-14

First edition
2019-01

**Information technology — MPEG
systems technologies —**

**Part 14:
Partial file format**

*Technologies de l'information — Technologies des systèmes MPEG —
Partie 14: Format de fichier partiel*



Reference number
ISO/IEC 23001-14:2019(E)

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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

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Foreword

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This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*.

A list of all parts in the ISO 23001 series can be found on the ISO website.

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Introduction

The partial file format is designed to contain files partially received over a lossy link (with unreceived or corrupted sections), for further processing such as playback or repair. The file structure is object-oriented; a file can be decomposed into constituent objects very simply, and the structure of the objects inferred directly from their type. Files conforming to this format may be exchanged without losing information on losses, allowing redistribution (local gateways) or further repair processes.

The partial file format may be used to document reception of files, regardless of their bitstream format. For generic cases, it provides ways for file readers to resynchronize their parsing in case of byte losses. For cases where the documented file derives from ISO/IEC 14496-12, the partial file format provides additional tools, such as an index of the source file structures and data integrity information.

[Annex A](#) of this document defines the associated MIME type for files conformant to this document.

Information technology — MPEG systems technologies —

Part 14: Partial file format

1 Scope

This document specifies the partial file format, which is a generic format for describing file partially received over lossy communication channels. This format contains the correctly received data, missing block identification, and repair information such as location of the file or high-level original indexing information. This format can be used with any file formats, and provides additional helper tools for formats deriving from ISO/IEC 14496-12.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC 14496-12, *Information technology — Coding of audio-visual objects — Part 12: ISO Base Media file format*

IETF RFC 5905, *Network Time Protocol Version 4: Protocol and Algorithms Specification*, Mills, D., et al, June 2010