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Part 15: Carriage of web resources in ISOBMFF

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Partie 15: Transport de ressources web au format ISOBMFF

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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/IEC 23001 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

ISO/IEC 14496-12 specifies a format for the storage of timed resources such as media streams as well as of resources for which no timed stream structure exists, or when the timed stream structure does not need to be exposed.

This document specifies the use of ISO/IEC 14496-12 tools for the storage and delivery of web data. The specified storage is designed to enable enriching audio/video content, as well as audio-only content, with synchronized, animated, interactive web data, including overlays.

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1 Scope

This document specifies how the format defined in ISO/IEC 14496-12 can be used to store web resources (HTML, JavaScript, CSS, etc.) and defines brands to identify files conforming to this document. It also specifies hypothetical processing for how these files can be consumed by web browsers.

The specified storage enables the delivery of synchronized media and web resources as supported by ISO/IEC 14496-12: file download, progressive file download, streaming, broadcast, etc.

This document also defines how to signal required web capabilities to process the files. This is done in a way that web profiles defined by other organizations can be signalled in a dedicated box, e.g. the MIME Box, similarly to how it is done in ISO/IEC 14496-30.

This document does not define any profiles for web data, only their carriage.

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*