International Standard

ISO/IEC 23009-8

Information technology — Dynamic adaptive streaming over HTTP (DASH) —

Part 8: Session-based DASH operations

Technologies de l'information — Diffusion adaptative dynamique sur HTTP (DASH) —

Partie 8: Opérations de DASH basées sur la session

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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*.

This second edition cancels and replaces the first edition (ISO/IEC 23009-8:2022), which has been technically revised.

The main changes are as follows:

— URL customization and other extensions.

A list of all parts in the ISO/IEC 23090 series can be found on the ISO and IEC websites.

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Introduction

Dynamic adaptive streaming over HTTP (DASH) enables media-streaming model for delivery of media content in which control lies exclusively with the client. Clients may request data using the HTTP protocol from standard web servers that have no DASH-specific capabilities. Consequently, the ISO/IEC 23009 series focuses not on client or server procedures but on the data formats used to provide a DASH Media Presentation.

This document provides methods, interfaces and data for session-based operations to be used with the DASH standard. Session-based operations allows customization of requested segment URLs based on the information provided for a specific streaming session.

Information technology — Dynamic adaptive streaming over HTTP (DASH) —

Part 8:
Session-based DASH operations

1 Scope

This document specifies the format of the Session-Based Description document and the media presentation description's (MPD) extension to be used in session-based operations with ISO/IEC 23009-1 (MPEG DASH).

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 23009-1, *Information technology — Dynamic adaptive streaming over HTTP (DASH) Part 1: Media presentation description and segment formats*

IETF RFC 3986, *Uniform Resource Identifier (URI): Generic Syntax*

IETF RFC 8259, *The JavaScript Object Notation (JSON) Data Interchange Format*