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Part 3: Implementation Guidelines

Technologies de l'information — Diffusion en flux adaptatif dynamique sur HTTP (DASH) —
Partie 3: Lignes directrices pour la mise en oeuvre

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Contents

1 Scope 1
2 References 1
3 Terms, Definitions and Abbreviated Terms 2
4 Introduction 2
4.1 System overview 2
4.2 Normative parts 3
4.3 Main design principles 4
4.3.1 Common timeline 4
4.3.2 Data model 4
4.3.3 Segments 5
4.3.4 Segment types 6
4.3.5 Segment addressing schemes 6
4.3.6 Stream access points 6
4.4 Background on DASH profile concept 7
5 Guidelines for content generation 7
5.1 General guidelines 7
5.1.1 Video content generation 7
5.1.2 Audio content generation 9
5.1.3 Content preparation for live streaming 11
5.1.4 Guidelines for generation of segment file names 11
5.2 Guidelines for ISO-BMFF content generation 14
5.2.1 On-demand streaming 14
5.2.2 Live streaming 18
5.2.3 Enabling trick modes 19
5.2.4 Support for SubRepresentations 21
5.2.5 Enabling delivery format to storage file format conversion 22
5.3 Guidelines for MPEG-2 TS content generation 26
5.3.1 General recommendations 26
5.3.2 Live streaming 27
5.3.3 On demand streaming 28
5.4 Support for Advertisement Insertion 29
5.4.1 Use cases 29
5.4.2 MPD authoring 30
5.4.3 Example 30
5.4.4 The use of inband events 31
6 Client implementation guidelines 32
6.1 General 32
6.2 Client architecture overview 32
6.3 Example of client operation 33
6.4 Timing model for live streaming 33
6.4.1 General 33
6.4.2 MPD information 33
6.4.3 MPD times 34
6.4.4 Context derivation 34
6.4.5 Derivation of MPD times 35
6.4.6 Addressing methods 35
6.4.7 Scheduling playout 36
6.4.8 Validity of MPD 36
6.5 MPD retrieval 36
6.6 Segment list generation 37
6.6.1 General 37
6.6.2 Template-based generation of segment list 38

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6.6.3 Playlist-based generation of segment list 39
6.6.4 Media segment list restrictions 39
6.7 Rate adaptation 40
6.8 Seeking 41
6.9 Support for trick modes 42
6.10 Stream switching 42
6.11 Client support for dependent representations 42
6.11.1 General 42
6.11.2 Client trick-mode support using SubRepresentations 43

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of the joint technical committee is to prepare International Standards. 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.

In exceptional circumstances, the joint technical committee may propose the publication of a Technical Report of one of the following types:

— type 1, when the required support cannot be obtained for the publication of an International Standard, despite repeated efforts;

— type 2, when the subject is still under technical development or where for any other reason there is the future but not immediate possibility of an agreement on an International Standard;

— type 3, when the joint technical committee has collected data of a different kind from that which is normally published as an International Standard (“state of the art”, for example).

Technical Reports of types 1 and 2 are subject to review within three years of publication, to decide whether they can be transformed into International Standards. Technical Reports of type 3 do not necessarily have to be reviewed until the data they provide are considered to be no longer valid or useful.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

ISO/IEC TR 23009-3, which is a Technical Report of type 3, was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*.

ISO/IEC TR 23009 consists of the following parts, under the general title *Information technology — Dynamic adaptive streaming over HTTP (DASH)*:

- *Part 1: Media presentation description and segment formats*
- *Part 2: Conformance and reference software*
- *Part 3: Implementation guidelines*
- *Part 4: Segment encryption and authentication*

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Introduction

This Part of ISO/IEC 23009 provides guidelines for implementation and deployment of streaming media delivery systems based on ISO/IEC 23009 standard. These guidelines include

— guidelines for streaming content generation;

— guidelines for implementation of streaming clients; and

— guidelines for deployment of systems designed based on ISO/IEC 23009 standard.

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