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

Part 4: Segment encryption and authentication

Technologies de l'information — Diffusion en flux adaptatif dynamique sur HTTP (DASH) —

Partie 4: Cryptage et authentification des segments

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Foreword

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ISO/IEC 23009-4 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 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*[1]

— *Part 3:* [Technical Report][2]

— *Part 4: Segment encryption and authentication*

[1] To be published.

[2] To be published.

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, ISO/IEC 23009 focuses not on client or server procedures but on the data formats used to provide a DASH Media Presentation.

This part of ISO/IEC 23009 provides methods and interfaces for segment encryption and verification of segment integrity and authenticity