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

**Part 6:
DASH with server push and
WebSockets**

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

Partie 6: DASH avec serveur de poussée et protocoles WebSocket



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

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Foreword

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Introduction

Dynamic Adaptive Streaming over HTTP (DASH) is intended to support a media-streaming model for delivery of media content in which the control lies exclusively with the client.

This document specifies carriage of MPEG DASH media presentations over full duplex HTTP-compatible protocols, particularly HTTP/2 (version 2 of the HTTP protocol as defined by the IETF in Reference [8]) and WebSocket (WebSocket protocol as defined by the IETF in RFC 6455). This carriage takes advantage of the capabilities of these protocols to optimize delivery of MPEG DASH media presentations.

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

Part 6: DASH with server push and WebSockets

1 Scope

This document specifies carriage of MPEG-DASH media presentations over full duplex HTTP-compatible protocols, particularly HTTP/2 and WebSocket. This carriage takes advantage of the features these protocols support over HTTP/1.1 to improve delivery performance, while still maintaining backwards compatibility, particularly for the delivery of low latency live video.

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.

IEEE 1003.1-2008, *IEEE Standard for Information Technology — Portable Operating System Interface (POSIX), Base Specifications, Issue 7*

IETF RFC 3986, *Uniform Resource Identifiers (URI): Generic Syntax, January 2005*

IETF RFC 6455, *The WebSocket Protocol, December 2011*

IETF RFC 7158, *The JavaScript Object Notation (JSON) Data Interchange Format, March 2013*

IETF RFC 7231, *Hypertext Transfer Protocol (HTTP/1.1): Semantics and Content, June 2014*