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Consumer terminal function for access to IPTV and open internet multimedia services - Part 2-2: HTTP adaptive streaming

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
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EUROPEAN STANDARD  
NORME EUROPÉENNE  
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EN 62766-2-2

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English Version

Consumer terminal function for access to IPTV and open internet  
multimedia services -  
Part 2-2: HTTP adaptive streaming  
(IEC 62766-2-2:2016)

Fonction des terminaux grand public pour l'accès aux  
services IPTV et multimédias de l'internet ouvert -  
Partie 2-2: Diffusion en flux adaptatif sur HTTP  
(IEC 62766-2-2:2016)

Verbraucher Endgeräte Funktion für den Zugriff auf IPTV  
und offene Internet Multimedia Dienstleistungen -  
Teil 2-2: Anpassungsfähiger HTTP Datenstrom  
(IEC 62766-2-2:2016)

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

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European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

## European foreword

The text of document 100/2488/CDV, future edition 1 of IEC 62766-2-2, prepared by IEC/TC 100 "Audio, video and multimedia systems and equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62766-2-2:2017.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2017-10-21
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2020-04-21

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The text of the International Standard IEC 62766-2-2:2016 was approved by CENELEC as a European Standard without any modification.

## Annex ZA (normative)

### **Normative references to international publications with their corresponding European publications**

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: [www.cenelec.eu](http://www.cenelec.eu)

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 62766-1	-	Consumer terminal function for access to IPTV and open Internet multimedia services - Part 1: General	EN 62766-1 <sup>1)</sup>	-
IEC 62766-2-1	-	Consumer terminal function for access to IPTV and open Internet multimedia services - Part 2-1: Media formats	EN 62766-2-1	-
IEC 62766-3	-	Consumer terminal function for access to IPTV and open internet multimedia services - Part 3: Content metadata	EN 62766-3	-
IEC 62766-4-1	-	Consumer terminal function for access to IPTV and open multimedia services - Part 4-1: Protocols	-	-
IEC 62766-5-1	-	Consumer terminal function for access to IPTV and open multimedia services - Part 5-1: Declarative Application Environment	-	-
IEC 62766-6	-	Consumer terminal function for access to IPTV and open Internet multimedia services - Part 6: Procedural application environment	-	-
IEC 62766-7	-	Consumer terminal function for access to IPTV and open Internet multimedia services - Part 7: Authentication, content protection and service protection	-	-
ISO/IEC 13818-1	2015	Information technology - Generic coding of moving pictures and associated audio information - Part 1: Systems	-	-
ISO/IEC 14496-12	2012	Information technology - Coding of audio-visual objects - Part-12: ISO base media file format	-	-
ISO/IEC 23001-7	2015	Information technology - MPEG systems technologies - Part 7: Common encryption in ISO base media file format files	-	-

<sup>1)</sup> At draft stage.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ISO/IEC 23009-1	2014	Information technology - Dynamic adaptive - streaming over HTTP (DASH) - Part 1: Media presentation description and segment formats	-	-
ISO 639	Series	Codes for the representation of names of languages	-	-
ETSI TS 101 154 V1.11.1	2012	Digital Video Broadcasting (DVB); Specification for the use of Video and Audio Coding in Broadcasting applications based on the MPEG-2 Transport Stream	-	-

3GPP TS 26.234 V9.3.0 (2010-06), Transparent end-to-end Packet-switched Streaming Service (PSS) Protocols and codecs (Release 9)

3GPP TS 26.244 V9.2.0 (2010-06), Transparent end-to-end packet switched streaming service (PSS), 3GPP file format (3GP) (Release 9)

3GPP TS 26.247 V10.1.0 (2011-11), Transparent end-to-end Packet-switched Streaming Service (PSS), Progressive Download and Dynamic adaptive streaming over HTTP (3GPDASH) (Release 10)

Marlin Developer Community, Marlin adaptive streaming Specification – Simple Profile, Version 1.0, July 2011, available at <http://www.marlin-community.com/develop/downloads>

Marlin Developer Community, Marlin adaptive streaming Specification – Full Profile, Version 1.0, August 2011, available at <http://www.marlin-community.com/develop/downloads>

## CONTENTS

FOREWORD .....	4
INTRODUCTION .....	6
1    Scope .....	7
2    Normative references .....	7
3    Terms, definitions and abbreviated terms .....	8
3.1    General .....	8
3.2    Terms and definitions .....	8
3.3    Abbreviated terms .....	9
4    Adaptive streaming in the OIPF IPTV solution .....	10
5    MPEG DASH based adaptive streaming .....	11
5.1    General .....	11
5.2    DASH usage for the TS systems layer format .....	12
5.2.1    General .....	12
5.2.2    PID allocation .....	12
5.2.3    Protected TS content .....	12
5.3    DASH usage for the MP4 systems layer format .....	13
5.3.1    General .....	13
5.3.2    Protected content .....	13
5.4    Operational parameters .....	14
5.5    Adaptation set audio/video source coding .....	14
5.6    MPD requirements, audio description .....	15
5.7    Key management of protected contents .....	15
6    OIPF HTTP adaptive streaming .....	15
6.1    General .....	15
6.2    Media presentation .....	16
6.2.1    Media presentation description .....	16
6.2.2    Component element .....	16
6.3    Segmentation constraints .....	18
6.4    Signalling of content protection in the MPD .....	20
6.5    Media presentation description updates .....	20
6.6    Adaptive media formats .....	20
6.6.1    General .....	20
6.6.2    MPEG-2 transport stream systems layer .....	20
6.6.3    MP4 file format systems layer .....	22
6.7    Use cases .....	23
6.7.1    Live streaming .....	23
6.7.2    Trick play .....	23
6.7.3    MPEG-2 TS seeking .....	24
Annex A (normative) OIPF HAS MPD schema .....	25
Annex B (informative) OIPF HAS component management .....	26
Annex C (informative) Usage of the MP4 file format in OIPF HAS .....	28
C.1    Audio/video synchronization .....	28
C.2    Partial representations .....	29
Annex D (informative) DASH usage with embedded CSPG .....	31
Bibliography .....	32

Figure 1 – Content segmentation for HTTP adaptive streaming.....	10
Figure 2 – Example of the HAS MPD .....	18
Figure A.1 – HAS MPD schema .....	25
Figure B.1 – Component management example .....	26
Figure C.1 – Example <i>tfad</i> -box.....	29
Figure C.2 – Partial representation MP4 example .....	30
Figure C.3 – Partial representation retrieval .....	30
Table 1 – Role and accessibility descriptor values for audio description.....	15
Table 2 – Component element and attributes .....	17
Table C.1 – Example audio/video synchronization .....	28

## INTRODUCTION

The IEC 62766 series is based on a series of specifications that was originally developed by the OPEN IPTV FORUM (OIPF). They specify the user-to-network interface (UNI) for consumer terminals to access IPTV and open internet multimedia services over managed or non-managed networks as defined by OIPF.