



SLOVENSKI STANDARD

SIST EN 62766-2-1:2018

01-marec-2018

Funkcije potrošniškega terminala in omrežnih vmesnikov za dostop do IPTV in odprtih internetnih multimedijskih storitev - 2-1. del: Formati medijev

Consumer terminal function for access to IPTV and open internet multimedia services - Part 2-1: Media formats (IEC 62766-2-1:2016)

Verbraucher Endgeräte Funktion für den Zugriff auf IPTV und offene Internet Multimedia Dienstleistungen - Teil 2-1: Medienformate (IEC 62766-2-1:2016)

EN STANDARD REVIEW

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Fonction des terminaux grand public pour l'accès aux services IPTV et multimédias de l'internet ouvert - Partie 2-1: Formats des médias (IEC 62766-2-1:2016)

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ICS:

33.170	Televizijska in radijska difuzija	Television and radio broadcasting
35.240.95	Spletne uporabniške rešitve	Internet applications

SIST EN 62766-2-1:2018

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**EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM**

EN 62766-2-1

April 2017

ICS 33.170; 35.240.95

English Version

**Consumer terminal function for access to IPTV and open internet
multimedia services -
Part 2-1: Media formats
(IEC 62766-2-1:2016)**

Fonction des terminaux grand public pour l'accès aux
services IPTV et multimédias de l'internet ouvert -
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Verbraucher Endgeräte Funktion für den Zugriff auf IPTV
und offene Internet Multimedia Dienstleistungen -
Teil 2-1: Medienformate
(IEC 62766-2-1:2016)

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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

EN 62766-2-1:2017**European foreword**

The text of document 100/2487/CDV, future edition 1 of IEC 62766-2-1, 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 62766-2-1:2017.

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- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2020-04-21

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Endorsement notice

The text of the International Standard IEC 62766-2-1:2016 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated :

IEC 62766-2-2 NOTE (standards.iteh.ai)

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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

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 62481-2	2013	Digital living network alliance (DLNA) home networked device interoperability guidelines - Part 2: DLNA media formats	EN 62481-2	2014
IEC 62766-1	-	Consumer terminal function for access to IPTV and open internet multimedia services - Part 1: General	EN 62766-1 ¹⁾	-
IEC 62766-3	2016	Consumer terminal function for access to IPTV and open internet multimedia services - Part 3: Content metadata	EN 62766-3	2017
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 https://standards.iteh.ai/catalog/standards/sist/606fb34c-aef8-481c-8ac8-9007dac51dd5/sist-en-62766-2-1:2018 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 multimedia services - Part 7: Authentication, Content Protection and Service Protection	-	-
ISO/IEC 11172-3	1993	Information technology - Coding of moving pictures and associated audio for digital storage media at up to about 1,5 Mbit/s - Part 3: Audio	EN ISO/IEC 11172-3	1995
COR1	1996			
ISO/IEC 13818-1	2015	Information technology - Generic coding of - moving pictures and associated audio information - Part 1: Systems	-	
ISO/IEC 13818-2	2013	Information technology - Generic coding of - moving pictures and associated audio information - Part 2: Video	-	

¹⁾ At draft stage.

EN 62766-2-1:2017

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ISO/IEC 14496-2	2004	Information Technology - Coding of audio-visual objects - Part 2: Visual	-	-
ISO/IEC 14496-3	2009	Information technology - Coding of audio-visual objects - Part 3: Audio	-	-
ISO/IEC 14496-10	2005	Information technology - Coding of audio-visual objects - Part 10: Advanced Video Coding	-	-
ISO/IEC 14496-12	2012	Information technology - Coding of audio-visual objects - Part-12: ISO base media file format	-	-
ISO/IEC 14496-14	2003	Information technology - Coding of Audio-Visual Objects - Part 14: MP4 file format	-	-
ISO/IEC 14496-15	2014	Information technology - Coding of audio-visual objects - Part 15: Carriage of network abstraction layer (NAL) unit structured video in 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	-	-
ISO/IEC 23003-1 + COR2	2007 2009	Information technology - MPEG audio technologies - Part 1: MPEG Surround	-	-
ITU-T Recommendation G.711	-	Pulse code modulation (PCM) of voice frequencies	-	-
ITU-T Recommendation G.719	-	Low-complexity full-band audio coding for high-quality, conversational applications	-	-
ITU-T Recommendation G.722	-	7 kHz audio-coding within 64 kbit/s	-	-
ITU-T Recommendation G.729	2012	Coding of speech at 8 kbit/s using conjugate-structure algebraic-code-excited linear prediction (CS-ACELP)	-	-
ITU-T Recommendation G.729.1	-	G.729-based embedded variable bit-rate coder: An 8-32 kbit/s scalable wideband coder bitstream interoperable with G.729	-	-
ITU-T Recommendation H.262	-	Information technology - Generic coding of moving pictures and associated audio information: Video	-	-
ITU-T Recommendation H.263	2005	Video coding for low bitrate communication	-	-
ITU-T Recommendation H.264	-	Advanced video coding for generic audiovisual services	-	-
ETSI EN 300 468 V1.13.1	2012	Digital Video Broadcasting (DVB); Specification for Service Information (SI) in DVB systems	-	-

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ETSI EN 300 472 V1.3.1	2003	Digital Video Broadcasting (DVB) - Specification for conveying ITU-R system B teletext in DVB bitstreams	-	-
ETSI EN 300 743 V1.4.1	2011	Digital Video Broadcasting (DVB); Subtitling systems	-	-
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	-	-
ETSI TS 101 547 V1.1.1	2012	Digital Video Broadcasting (DVB); Frame Compatible Plano-stereoscopic 3DTV	-	-
ETSI TS 102 034 V1.5.1	2014	Digital Video Broadcasting (DVB); Transport of MPEG-2 TS Based DVB Services over IP Networks	-	-
ETSI TS 102 114 V1.4.1	2012	DTS Coherent Acoustics; Core and Extensions	-	-
ETSI TS 102 366 V1.2.1	2008	Digital Audio Compression (AC-3, Enhanced AC-3) Standard	-	-
ETSI TS 102 809 V1.2.1	2013	Digital Video Broadcasting (DVB); Signalling and carriage of interactive applications and services in hybrid broadcast / broadband environments	-	-
ETSI TS 126 114 V10.0.0	2011	IMS Multimedia Telephony; media handling- and interaction	-	-
ETSI TS 181 005 V3.3.1	2009	TISPAN Service and Capability Requirements SIST EN 62766-2-1:2018 https://standards.iteh.ai/catalog/standards/sist/606fb34c-aef8-481c-8ac8-9007dac51dd5/sist-en-62766-2-1-2018	-	-

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3GPP TS 26.171, Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; General description

3GPP TS 26.190, Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Transcoding functions

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

3GPP TS 26.245, Transparent end-to-end Packet switched Streaming Service (PSS); Timed text format

3GPP TS 26.290, Audio codec processing functions; Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec; Transcoding functions

3GPP TS 26.401, General audio codec audio processing functions; Enhanced aacPlus general audio codec; General description

Marlin Developer Community, Marlin Broadband Transport Stream Specification, Version 1.0, July 2008, available from <http://www.marlin-community.com/develop/downloads>

Marlin Developer Community, Marlin Dynamic Media Zones, Version 1.1, available from <http://www.marlin-community.com/develop/downloads>

EN 62766-2-1:2017

Marlin Developer Community, "Marlin – File Formats Specification", Version 1.1, July 2008, and latest version of "Marlin Errata: Marlin – File Formats Specification V1.1", available from <http://www.marlin-community.com/develop/downloads>.

Marlin Developer Community, OMARlin Specification, Version 1.0.1, July 2008, available from <http://www.marlin-community.com/develop/downloads>

3GPP TS 26.071, Mandatory speech CODEC speech processing functions; AMR speech Codec; General description

Consumer Technology Association CTA-708-E (2013), Digital Television (DTV) Closed Captioning

CompuServe Incorporated, Columbus, Ohio, Graphics Interchange Format version 89a, © 1987, 1988, 1989, 1990

Eric Hamilton, C-Cube Microsystems, September 1, 1992, JPEG File Interchange Format, Version 1.02

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Consumer terminal function for access to IPTV and open internet multimedia services –
Part 2-1: Media formats** (standards.iteh.ai)

**Fonction des terminaux grand public pour l'accès aux services IPTV et
multimédias de l'internet ouvert –
Partie 2-1: Formats des médias**

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CONTENTS

FOREWORD	4
INTRODUCTION	6
1 Scope	7
2 Normative references	7
3 Terms, definitions and abbreviated terms	10
3.1 Terms and definitions	10
3.2 Abbreviated terms	10
4 Audio/video media formats	11
5 Systems layer	15
5.1 General	15
5.2 MPEG-2 transport stream	15
5.3 MP4 file format	17
5.4 Service usage	18
6 Video	18
6.1 General	18
6.2 Formats	19
6.2.1 General	19
6.2.2 High-definition profile	19
6.2.3 Standard Definition profile	20
6.2.4 Video telephony profile	20
6.2.5 Sub-picture profile	20
6.2.6 Video formats for mobile audio/video services	21
6.2.7 H.264/AVC GOP structure	21
6.2.8 3D	22
6.3 Service usage	22
7 Subtitles	23
7.1 General	23
7.2 Formats	23
7.3 Service usage	23
8 Teletext	23
8.1 General	23
8.2 Formats	23
8.3 Service usage	24
9 Audio	24
9.1 General	24
9.2 Formats	25
9.2.1 HE-AAC and AAC	25
9.2.2 AC-3	26
9.2.3 Enhanced AC-3	26
9.2.4 MPEG-1 Layer II	26
9.2.5 MPEG-1 Layer III	26
9.2.6 WAVE	26
9.2.7 DTS-HD	27
9.2.8 MPEG Surround	27
9.2.9 Audio Formats for voice and video telephony	28
9.2.10 Audio formats for mobile audio/video services	28

9.3	Platform usage.....	29
9.3.1	Audible notifications and audio clips	29
9.3.2	Audio description	29
9.3.3	Clean audio	29
9.3.4	Audio output interfaces	29
10	Still pictures and graphics.....	29
10.1	General.....	29
10.2	JPEG	30
10.3	GIF	30
10.4	PNG.....	30
	Bibliography.....	31
	Figure 1 – Media formats stack	6
	Table 1 – Audio/video media formats for 25-Hz video systems.....	12
	Table 2 – Audio/video media formats for 30-Hz video systems.....	13
	Table 3 – Protected audio/video media formats.....	13
	Table 4 – Pure audio media formats.....	14
	Table 5 – Graphics media formats	14
	Table 6 – Audio/video media formats for video telephony.....	14
	Table 7 – Audio formats for voice and video telephony (narrow-band).....	14
	Table 8 – Audio formats for voice and video telephony (wide-band)	15
	Table 9 – Audio formats for voice and video telephony (super-wideband) <small>SIST EN 62766-2-1:2018 https://standards.iteh.ai/catalog/standards/sist/600fb34c-aef8-481c-8ac8-9007da31a03/sist-en-62766-2-1-2018</small>	15
	Table 10 – Subtitle format for mobile audio/video Services	15
	Table 11 – Systems layer formats for content services.....	18
	Table 12 – Sub-picture formats	21

INTERNATIONAL ELECTROTECHNICAL COMMISSION

**CONSUMER TERMINAL FUNCTION FOR ACCESS TO IPTV
AND OPEN INTERNET MULTIMEDIA SERVICES –****Part 2-1: Media formats****FOREWORD**

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International Standard IEC 62766-2-1 has been prepared by IEC technical committee 100: Audio, video and multimedia systems and equipment.

The text of this standard is based on the following documents:

CDV	Report on voting
100/2487/CDV	100/2657/RVC

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

This International Standard is to be used in conjunction with IEC 62766-1.