

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE



**Consumer terminal function for access to IPTV and open internet multimedia services –**

**Part 2-2: HTTP adaptive streaming**

**Fonction des terminaux grand public pour l'accès aux services IPTV et multimédias de l'internet ouvert –**

**Partie 2-2: Diffusion en flux adaptatif par HTTP**



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**CONSUMER TERMINAL FUNCTION FOR ACCESS TO IPTV  
AND OPEN INTERNET MULTIMEDIA SERVICES –****Part 2-2: HTTP adaptive streaming**

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

CDV	Report on voting
100/2488/CDV	100/2658/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.

A list of all parts in the IEC 62766 series, published under the general title *Consumer terminal function for access to IPTV and open internet multimedia services*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

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## 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.

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# CONSUMER TERMINAL FUNCTION FOR ACCESS TO IPTV AND OPEN INTERNET MULTIMEDIA SERVICES –

## Part 2-2: HTTP adaptive streaming

### 1 Scope

This part of IEC 62766 specifies media formats for adaptive unicast content streaming over HTTP.

Two HTTP adaptive streaming formats are specified. The first is based entirely on MPEG DASH. The second is the OIPF “HTTP adaptive streaming” (HAS) format, which is based upon 3GPP’s release 9 adaptive HTTP streaming (AHS) format, with some profiling and extensions to add the features of media components and support for MPEG-2 transport stream content segment format. The latter format was specified before MPEG DASH had been published. It is retained due to usage in some legacy applications.

### 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.

IEC 62766-1<sup>1</sup>, *Consumer terminal function for access to IPTV and open Internet multimedia services – Part 1: General*

IEC 62766-2-1, *Consumer terminal function for access to IPTV and open Internet multimedia services – Part 2-1: Media formats*

IEC 62766-3, *Consumer terminal function for access to IPTV and open Internet multimedia services – Part 3: Content metadata*

IEC 62766-4-12, *Consumer terminal function for access to IPTV and open Internet multimedia services – Part 4-1: Protocols*

IEC 62766-5-1<sup>2</sup>, *Consumer terminal function for access to IPTV and open Internet multimedia services – Part 5-1: Declarative application environment*

IEC 62766-6<sup>4</sup>, *Consumer terminal function for access to IPTV and open Internet multimedia services – Part 6: Procedural application environment*

IEC 62766-7<sup>5</sup>, *Consumer terminal function for access to IPTV and open Internet multimedia services – Part 7: Authentication, content protection and service protection*

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