

INTERNATIONAL STANDARD

**Consumer terminal function for access to IPTV and open internet multimedia services –
Part 8: Profiles**





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CONTENTS

| | |
|--|----|
| FOREWORD..... | 4 |
| INTRODUCTION..... | 6 |
| 1 Scope..... | 7 |
| 2 Normative references | 7 |
| 3 Terms, definitions and abbreviated terms | 7 |
| 3.1 Terms and definitions..... | 8 |
| 3.2 Abbreviated terms..... | 8 |
| 4 Release 2 IPTV solution profiles..... | 8 |
| 5 Open internet profile..... | 9 |
| 5.1 General..... | 9 |
| 5.2 IPTV Services | 9 |
| 5.3 Residential network | 9 |
| 5.3.1 WAN gateway..... | 9 |
| 5.3.2 IMS gateway..... | 9 |
| 5.3.3 Application gateway..... | 9 |
| 5.3.4 OITF..... | 9 |
| 5.4 Service provider discovery entry points..... | 10 |
| 5.5 Service discovery and content metadata..... | 10 |
| 5.6 Authentication methods..... | 10 |
| 5.7 Content and service protection..... | 10 |
| 5.8 SVG tiny V1.2..... | 10 |
| 5.9 Remote management..... | 10 |
| 6 Baseline managed profile | 11 |
| 6.1 General..... | 11 |
| 6.2 IPTV services | 11 |
| 6.3 Residential network | 11 |
| 6.3.1 WAN gateway..... | 11 |
| 6.3.2 IMS gateway..... | 11 |
| 6.3.3 Application gateway..... | 12 |
| 6.3.4 OITF..... | 12 |
| 6.4 Service provider discovery entry points..... | 12 |
| 6.5 Scheduled content and streamed CoD service enablers..... | 12 |
| 6.6 Authentication methods..... | 12 |
| 6.7 Content and service protection..... | 12 |
| 6.8 OITF capabilities..... | 13 |
| 6.9 Remote management..... | 13 |
| 7 Enhanced managed profile | 13 |
| 7.1 General..... | 13 |
| 7.2 IPTV services | 13 |
| 7.3 Residential network | 13 |
| 7.3.1 WAN gateway..... | 13 |
| 7.3.2 IMS gateway..... | 13 |
| 7.3.3 AG..... | 13 |
| 7.3.4 OITF..... | 14 |
| 7.4 Service provider discovery entry points..... | 14 |
| 7.5 Scheduled content and streamed CoD service enablers..... | 14 |

- 7.6 Broadband content guide 14
- 7.7 Authentication methods..... 14
- 7.8 Content and service protection..... 14
- 7.9 Remote management..... 15
- 8 Specification of profile features 15
 - 8.1 General..... 15
 - 8.2 IPTV services support in the OITF 15
 - 8.3 Media formats 17
 - 8.4 HTTP adaptive streaming..... 18
 - 8.5 Content metadata 19
 - 8.6 Protocols 20
 - 8.7 Declarative application environment..... 23
 - 8.8 Procedural application environment 28
 - 8.9 Authentication, content protection and service protection..... 29
- Bibliography..... 30

- Table 1 – Legend for status in the profiles 15
- Table 2 – Release 2 IPTV service support profiling 16
- Table 3 – Media formats profiling 17
- Table 4 – HTTP adaptive streaming profiling..... 19
- Table 5 – Content metadata profiling 19
- Table 6 – Protocols profiling 21
- Table 7 – DAE features profiling 24
- Table 8 – Authentication and CSP profiling 29

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INTERNET MULTIMEDIA SERVICES –****Part 8: Profiles****FOREWORD**

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International Standard IEC 62766-8 has been prepared by IEC technical committee 100: Audio, video and multimedia systems and equipment.

The text of this International Standard is based on the following documents:

| | |
|--------------|------------------|
| CDV | Report on voting |
| 100/2552/CDV | 100/2666/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.

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

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

A bilingual version of this publication may be issued at a later date.

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.

This document specifies three profiles of the features contained in the IEC 62766 series, namely:

- the open internet profile;
- the baseline managed profile; and
- the enhanced managed profile.

The three profiles are hierarchical in the sense that the open internet profile is formed of a sub-set of the features of the baseline managed profile, and that the baseline managed profile is formed of a sub-set of the features of the enhanced managed profile.

NOTE These profile names are defined as technical terms and as such are not intended to be used for any logo mark or similar purpose.

Profiles define the minimum set of features that a terminal need to support in order to be able to claim compliance to that profile, and the maximum set of features that a service can rely on being present in the OITF. Some features are optional within a profile, and a service can use capability exchange protocols to determine if a terminal supports such features. Some features are mandatory or optional depending on the configuration of the OITF, for example whether the OITF is equipped with local storage or a broadcast tuner.

It is expected that the profiles could be used as the basis for interoperability and certification programs.

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

Part 8: Profiles

1 Scope

This part of IEC 62766 defines three example profiles that may be adopted for implementation in suitable devices.

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 62766-2-1:2016, *Consumer terminal function for access to IPTV and open Internet multimedia services - Part 2-1: Media Formats*

IEC 62766-2-2, *Consumer terminal function for access to IPTV and open Internet multimedia services - Part 2-2: HTTP Adaptive Streaming*

IEC 62766-3:2016, *Consumer terminal function for access to IPTV and open Internet multimedia services - Part 3: Content Metadata*

IEC 62766-4-1:2017, *Consumer terminal function for access to IPTV and open Internet multimedia services - Part 4-1: Protocols*

IEC 62766-5-1:2017, *Consumer terminal function for access to IPTV and open Internet multimedia services - Part 5-1: Declarative Application Environment*

IEC 62766-7:2017, *Consumer terminal function for access to IPTV and open Internet multimedia services - Part 7: Authentication, Content Protection and Service Protection*

ETSI, TS 102 034 V1.5.1, *Digital Video Broadcasting (DVB); Transport of MPEG-2 Based DVB Services over IP Based Networks*

ETSI, TS 102 809, V1.2.1, *Digital Video Broadcasting (DVB); Signalling and carriage of interactive applications and services in hybrid broadcast/broadband environments*

ETSI, TS 102 539 V1.3.1, *Digital Video Broadcasting (DVB); Carriage of Broadband Content Guide (BCG) information over Internet Protocol (IP)*

3 Terms, definitions and abbreviated terms

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses: