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Consumer terminal function for access to IPTV and open internet multimedia services –
Part 1: General

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

Part 1: General

FOREWORD

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A Category D liaison was set up between TC100 and the OPEN IPTV FORUM in 2011. The OPEN IPTV FORUM was merged with the Hybrid Broadcast Broadband Television (HbbTV) Association in 2014.

International Standard IEC 62766-1 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
100/2484/CDV	100/2656/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.

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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- withdrawn,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.

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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.

The Open IPTV Forum (OIPF) IPTV solution provides specifications for an end-to-end platform for the deployment of IPTV services. Figure 1 shows a high-level logical view of the scope of the OIPF IPTV solution.

The Open IPTV Forum has developed an end-to-end solution to allow any consumer end-device, compliant to the Open IPTV Forum specifications, to access enriched and personalised IPTV services either in a managed or a non-managed network.

To that end, the Open IPTV Forum focuses on standardising the user-to-network interface (UNI) both for a managed and a non-managed network, as depicted in Figure 1.

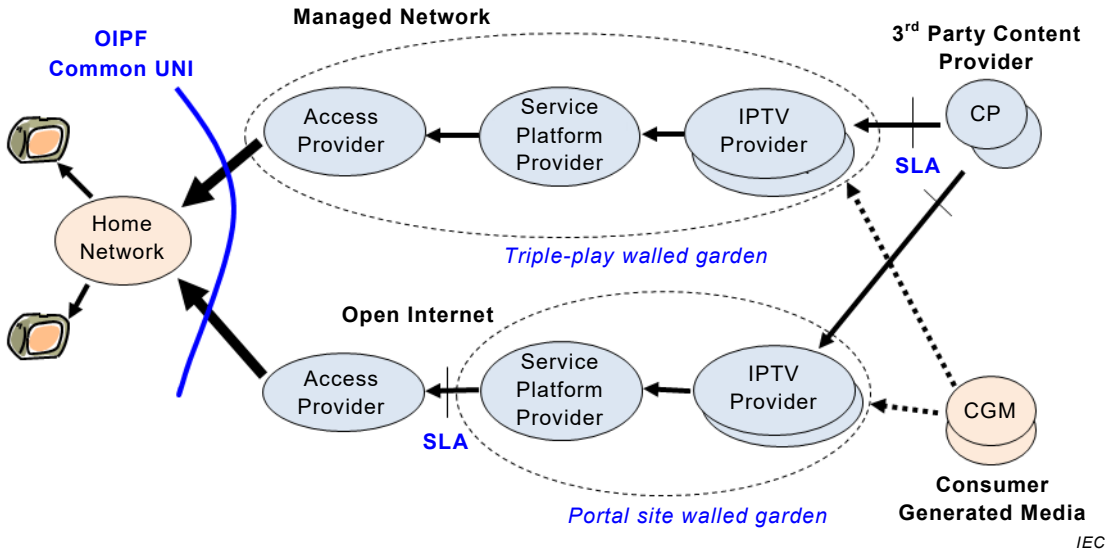

Figure 1 – Open IPTV Forum scope

Throughout the specifications, the terms “open Internet” and “unmanaged network” are used interchangeably to refer to the ability to access any service provider using any access network provider without any quality of service guarantees.

Managed network IPTV services are provided with QoS guarantees, for example within a triple-play walled garden.

Open Internet IPTV services are accessed via the Internet, without QoS guarantees, for example via a portal.

In both cases, IPTV services are accessed via a service platform that provides supporting facilities for multiple service providers.

Third-party content providers supply media assets that are delivered within the IPTV services.

The Open IPTV Forum (OIPF) specification for consumer terminal function and network interfaces for access to IPTV and open Internet multimedia services consist of the following multiple parts:

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- Part 1: General (this document)
- Part 2-1: Media formats
- Part 2-2: HTTP adaptive streaming
- Part 3: Content metadata
- Part 4-1: Protocols
- Part 4-2: Examples of IPTV protocol sequences
- Part 5-1: Declarative application environment
- Part 5-2: Web standards TV profile
- Part 6: Procedural application environment
- Part 7: Authentication, content protection and service protection
- Part 8: Profiles

This document (Part 1) defines general common elements and specifies the document structure, the scopes of, and relationships between the other parts, which deal with specific aspects of the OIPF consumer terminal function and network interfaces.

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

Part 1: General

1 Scope

This part of IEC 62766 defines general common elements and specifies the structure of the IEC 62766 series, the scopes of, and relationships between the other parts.

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, *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, *Consumer terminal function for access to IPTV and open internet multimedia services – Part 3: Content metadata*

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

IEC 62766-4-2, *Consumer terminal function for access to IPTV and open internet multimedia services – Part 4-2: Examples of IPTV protocol sequences*

IEC 62766-5-1, *Consumer terminal function for access to IPTV and open internet multimedia services – Part 5-1: Declarative application environment*

IEC 62766-5-2, *Consumer terminal function for access to IPTV and open internet multimedia services – Part 5-2: Web standards TV profile*

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*

IEC 62766-8, *Consumer terminal function for access to IPTV and open internet multimedia services – Part 8: Profiles*