

INTERNATIONAL STANDARD



**Consumer terminal function for access to IPTV and open internet
multimedia services –
Part 7: Authentication, content protection and service protection**



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INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

ICS 33.170 35.240.95

ISBN 978-2-8322-4555-2

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

Part 7: Authentication, content protection and service protection

FOREWORD

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International Standard IEC 62766 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
100/2551/CDV	100/2665/RVC

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

This publication 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 publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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- withdrawn,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

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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 7: Authentication, content protection and service protection

1 Scope

This part of IEC 62766 specifies functions for content protection, service protection, service access protection, user identification, user authentication, and user authorisation.

The following clauses contain features for which the criteria that determine under which circumstances these features are implemented are out of the scope of the present document or contain conditional normative statements referring to other parts of IEC 62766:

- 4.2 Terminal-centric approach
- 4.2.5 Protected file formats
- 4.2.6 Protection of MPEG-2 transport streams
- 4.3.4 CI+ based gateway
- 4.3.4.7 Protected streaming and file formats
- 4.3.4.8 Personal video recorder
- 4.3.4.9 Time shifting
- 4.3.5 DTCP-IP based gateway
- 4.3.5.6 Protected streaming and file formats
- 5.4.4 HTTP digest authentication using IMS gateway
- 5.4.5 GBA authentication using IMS gateway

NOTE GBA authentication can be achieved using either the mechanism in 5.4.5 GBA authentication using IMS gateway or the, more general, mechanism in 5.4.4 HTTP digest authentication using IMS gateway. 5.4.4 allows the use of different authentication mechanisms in a way that is transparent to the OITF, including possible future authentication mechanisms, and should preferably be used. It is expected that 5.4.5 GBA authentication using IMS gateway will be deprecated and removed in future versions of this specification.

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 62455:2010, *Internet protocol (IP) and transport stream (TS) based service access*

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

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

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