

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

H.702

Corrigendum 1
(03/2017)

SERIES H: AUDIOVISUAL AND MULTIMEDIA SYSTEMS
IPTV multimedia services and applications for IPTV –
General aspects

Accessibility profiles for IPTV systems: Various
corrections and clarifications

Corrigendum 1

Recommendation ITU-T H.702 (2015) – Corrigendum 1



International
Telecommunication
Union

Documents
Document Sharing Hub

ITU-T H-SERIES RECOMMENDATIONS
AUDIOVISUAL AND MULTIMEDIA SYSTEMS

CHARACTERISTICS OF VISUAL TELEPHONE SYSTEMS	H.100–H.199
INFRASTRUCTURE OF AUDIOVISUAL SERVICES	
General	H.200–H.219
Transmission multiplexing and synchronization	H.220–H.229
Systems aspects	H.230–H.239
Communication procedures	H.240–H.259
Coding of moving video	H.260–H.279
Related systems aspects	H.280–H.299
Systems and terminal equipment for audiovisual services	H.300–H.349
Directory services architecture for audiovisual and multimedia services	H.350–H.359
Quality of service architecture for audiovisual and multimedia services	H.360–H.369
Telepresence	H.420–H.429
Supplementary services for multimedia	H.450–H.499
MOBILITY AND COLLABORATION PROCEDURES	
Overview of Mobility and Collaboration, definitions, protocols and procedures	H.500–H.509
Mobility for H-Series multimedia systems and services	H.510–H.519
Mobile multimedia collaboration applications and services	H.520–H.529
Security for mobile multimedia systems and services	H.530–H.539
Security for mobile multimedia collaboration applications and services	H.540–H.549
Mobility interworking procedures	H.550–H.559
Mobile multimedia collaboration inter-working procedures	H.560–H.569
BROADBAND, TRIPLE-PLAY AND ADVANCED MULTIMEDIA SERVICES	
Broadband multimedia services over VDSL	H.610–H.619
Advanced multimedia services and applications	H.620–H.629
Ubiquitous sensor network applications and Internet of Things	H.640–H.649
IPTV MULTIMEDIA SERVICES AND APPLICATIONS FOR IPTV	
General aspects	H.700–H.719
IPTV terminal devices	H.720–H.729
IPTV middleware	H.730–H.739
IPTV application event handling	H.740–H.749
IPTV metadata	H.750–H.759
IPTV multimedia application frameworks	H.760–H.769
IPTV service discovery up to consumption	H.770–H.779
Digital Signage	H.780–H.789
E-HEALTH MULTIMEDIA SERVICES AND APPLICATIONS	
Personal health systems	H.810–H.819
Interoperability compliance testing of personal health systems (HRN, PAN, LAN, TAN and WAN)	H.820–H.859
Multimedia e-health data exchange services	H.860–H.869

For further details, please refer to the list of ITU-T Recommendations.

Recommendation ITU-T H.702

Accessibility profiles for IPTV systems: Various corrections and clarifications

Corrigendum 1

Summary

Recommendation ITU-T H.702 defines three profiles for accessibility features in Internet protocol television (IPTV) systems, with increasing levels of support. The Basic profile provides an entry-level support of accessibility, whereas the Main profile provides the widest range of features; the Enhanced profile provides the middle level support between the Basic profile and the Main profile. Accessibility information is information such as captions, sign language streams and audio description that are sent separately from video contents to IPTV terminal devices. By defining the above profiles, persons with disabilities can choose more easily the terminal devices that have the functions they need.

Corrigendum 1 harmonizes the variations of the profile name, such as "basic accessibility profile" and "basic profile" into "basic profile", and uniforms the variations of the optionality "O" and "OR" into "OR".

History

Edition	Recommendation	Approval	Study Group	Unique ID*
1.0	ITU-T H.702	2015-11-29	16	11.1002/1000/12648
1.1	ITU-T H.702 (2015) Cor. 1	2017-03-01	16	11.1002/1000/13192

Keywords

Accessibility, audio description, caption, IPTV, sign language.

* To access the Recommendation, type the URL <http://handle.itu.int/> in the address field of your web browser, followed by the Recommendation's unique ID. For example, <http://handle.itu.int/11.1002/1000/11830-en>.

FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications, information and communication technologies (ICTs). The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of ITU. ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

The World Telecommunication Standardization Assembly (WTSA), which meets every four years, establishes the topics for study by the ITU-T study groups which, in turn, produce Recommendations on these topics.

The approval of ITU-T Recommendations is covered by the procedure laid down in WTSA Resolution 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

NOTE

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

Compliance with this Recommendation is voluntary. However, the Recommendation may contain certain mandatory provisions (to ensure, e.g., interoperability or applicability) and compliance with the Recommendation is achieved when all of these mandatory provisions are met. The words "shall" or some other obligatory language such as "must" and the negative equivalents are used to express requirements. The use of such words does not suggest that compliance with the Recommendation is required of any party.

INTELLECTUAL PROPERTY RIGHTS

ITU draws attention to the possibility that the practice or implementation of this Recommendation may involve the use of a claimed Intellectual Property Right. ITU takes no position concerning the evidence, validity or applicability of claimed Intellectual Property Rights, whether asserted by ITU members or others outside of the Recommendation development process.

As of the date of approval of this Recommendation, ITU had not received notice of intellectual property, protected by patents, which may be required to implement this Recommendation. However, implementers are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database at <http://www.itu.int/ITU-T/ipr/>.

© ITU 2017

All rights reserved. No part of this publication may be reproduced, by any means whatsoever, without the prior written permission of ITU.

Table of Contents

		Page
1	Scope.....	1
2	References.....	1
3	Definitions	2
	3.1 Terms defined elsewhere	2
	3.2 Terms defined in this Recommendation.....	3
4	Abbreviations and acronyms	3
5	Conventions	3
6	Background.....	4
7	Accessibility service	4
	7.1 Overview	4
	7.2 Architecture	4
	7.3 Required functions.....	5
8	Profiles.....	7
	8.1 Details of profiles	7
	8.2 Requirement for transmitting device	11
	Appendix I – An implementation method with ITU-T H.762	12
	I.1 Terminal device	12
	Appendix II – Accessibility medium flow to ITA	15
	Bibliography.....	16

List of Tables

Page

Table 1 – Capabilities of caption, sign language and audio description	5
Table 2 – Capabilities of profiles	10

List of Figures

Page

Figure 1 – Functional blocks of accessibility service	5
Figure II.1 – Accessibility medium flow to ITA	15

Introduction

This Recommendation defines three profiles for accessibility features in Internet protocol television (IPTV) systems, with increasing levels of support. The Basic profile provides an entry-level support of accessibility, whereas the Main profile provides the widest range of features. Beyond 2020, the Main profile should be available in all IPTV terminal devices that are considered fully accessible.

