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SERIES J: CABLE NETWORKS AND TRANSMISSION
OF TELEVISION, SOUND PROGRAMME AND OTHER
MULTIMEDIA SIGNALS

Secondary distribution of IPTV services

IPTV client control interface definition

Recommendation ITU-T J.703



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Recommendation ITU-T J.703

IPTV client control interface definition

Summary

Recommendation ITU-T J.703 defines the interface that enables the service client in the customer's network to send requests for content and application transport using Internet Protocol (IP) technology to the Internet Protocol Television (IPTV) service functions in the operator's network. Examples of IPTV content include digital video and audio programme content, including the metadata describing the programme content. Examples of IPTV requests include requests for broadcast or video on demand (VoD) content, requests to manipulate VoD content delivery (pause, play, rewind, etc.), and requests to record content for later viewing.

History

Edition	Recommendation	Approval	Study Group
1.0	ITU-T J.703	2010-03-01	9

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FOREWORD

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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.

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

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Recommendation ITU-T J.703

IPTV client control interface definition

1 Scope

The scope of this Recommendation is the i-3 interface, identified as the control interface for IP transport for enhanced broadcasting defined in [ITU-T J.700] and in Figure 1 below, that enables the service client in the customer's network to send requests for content and application transport using IP technology to the IPTV service functions in the operator's network. Examples of IPTV content and application to be requested through the i-3 interface include digital video and audio programme content, including the metadata describing the programme content, and applications to be presented or executed at the service client. Examples of IPTV requests include requests for broadcast or video on demand (VoD) content, requests to manipulate VoD content delivery (pause, play, rewind, etc.), and requests to record content for later viewing.

2 References

The following ITU-T Recommendations and other references contain provisions which, through reference in this text, constitute provisions of this Recommendation. At the time of publication, the editions indicated were valid. All Recommendations and other references are subject to revision; users of this Recommendation are therefore encouraged to investigate the possibility of applying the most recent edition of the Recommendations and other references listed below. A list of the currently valid ITU-T Recommendations is regularly published. The reference to a document within this Recommendation does not give it, as a stand-alone document, the status of a Recommendation.

- [ITU-T H.770] Recommendation ITU-T H.770 (2009), *Mechanisms for service discovery and selection for IPTV services*.
- [ITU-T J.222.0] Recommendation ITU-T J.222.0 (2007), *Third-generation transmission systems for interactive cable television services – IP cable modems: Overview*.
- [ITU-T J.700] Recommendation ITU-T J.700 (2007), *IPTV service requirements and framework for secondary distribution*.
- [IETF RFC 2326] IETF RFC 2326 (1998), *Real Time Streaming Protocol (RTSP)*.
- [IETF RFC 3376] IETF RFC 3376 (2002), *Internet Group Management Protocol, Version 3*.
- [ISO/IEC 13818-6] ISO/IEC 13818-6:1998, *Information technology – Generic coding of moving pictures and associated audio information – Part 6: Extensions for DSM-CC*.

3 Definitions

None.

4 Abbreviations and acronyms

This Recommendation uses the following abbreviations and acronyms:

CAS/DRM	Conditional Access Solution/Digital Rights Management
CBI	Common Billing Interface
CDRP	Call Data Rating Point
CORBA	Common Object Request Broker Architecture
CPE	Customer Premises Equipment