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| INTERNATIONAL TELECOMMUNICATION UNION | **Joint Coordination Activity on IPTV** |
| **TELECOMMUNICATIONSTANDARDIZATION SECTOR**STUDY PERIOD 2013-2016 | Doc T13-03  |
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1. **Introduction**

During the IPTV-JCA meeting held in Geneva, 18 October 2009, it was decided that ITU-T will publish the “IPTV Green book”, which collects ITU-T Recommendations for IPTV services. This is the list of Recommendations that are currently available, as per information provided by JCA-IPTV members on 30 October 2013. The list will be regularly updated at every JCA-IPTV meeting.

1. **List of ITU-T Recommendations for IPTV**

## ****2.1.**** Architecture and General Aspects of IPTV service

[Y.1901] ITU-T Recommendation Y.1901: IPTV Service Requirements

[Y.1910] ITU-T Recommendation Y.1910: IPTV Architecture

[Y.Sup5] ITU-T Supplement Y.Sup5: IPTV Service Use Cases

[Y.2007] ITU-T Recommendation Y.2007:Description of NGN Capability Set 2

**2.2 Quality of Service and Experience**

[G.1080] ITU-T Recommendation G.1080: Quality of Experience Requirements for IPTV

[G.1081] ITU-T Recommendation G.1081: Performance monitoring points for IPTV

[G.1082] ITU-T Recommendation G.1082: the measurement-based methods for improving the robustness of IPTV performance

**2.3 Multimedia and Application for IPTV Services**

### 2.3.1 Audio-Visual Coding

[H.264] ITU-T Recommendation H.264: Advanced video coding for generic audiovisual services

[H.265] ITU-T Recommendation H.265: High efficiency video coding

### 2.3.2 IPTV Terminals

[H.720] ITU-T Recommendation H.720: IPTV Terminal Devices and End-System, Part 0: Overview

[H.721] ITU-T Recommendation H.721: IPTV Terminal Device, Basic Model

### 2.3.7 Home network

[H.622.1] ITU-T Recommendation H.622.1: Architecture and functional requirements for home network supporting IPTV services

## 2.3.3 Application Layer Error Recovery

[H.701] ITU-T Recommendation H.701: Content Delivery Error Recovery for IPTV services

### 2.3.4 IPTV Service Discovery and Selection

[H.770] ITU-T Recommendation H.770: Mechanisms for service discovery and selection for IPTV services

### 2.3.5 Multimedia Application Frameworks for IPTV

[H.760] ITU-T Recommendation H.760: Overview of Multimedia Application Frameworks for IPTV

[H.761] ITU-T Recommendation H.761: Nested Context Language (NCL) and Ginga-NCL for IPTV

[H.762] ITU-T Recommendation H.762: Lightweight interactive multimedia framework for IPTV services (LIME)

### 2.3.6 Metadata and Related Services

[H.750] ITU-T Recommendation H.750: IPTV Metadata

[H.740] ITU-T Recommendation H.740: Application Event Handling for IPTV services

## 2.4 Security (ITU-T X.1190 series – IPTV Security)

[[X.1191] ITU-T Recommendation X.1191: Functional requirements and architecture for IPTV security aspects](http://www.itu.int/ITU-T/recommendations/rec.aspx?rec=9627)

[[X.1192] ITU-T Recommendation X.1192: Functional requirements and mechanisms for the secure transcoding of IPTV](http://www.itu.int/ITU-T/recommendations/rec.aspx?rec=11340)

[[X.1193] ITU-T Recommendation X.1193: Key management framework for secure internet protocol television (IPTV) services](http://www.itu.int/ITU-T/recommendations/rec.aspx?rec=11386)

[[X.1194] ITU-T Recommendation X.1194: Algorithm selection scheme for service and content protection descrambling](http://www.itu.int/ITU-T/recommendations/rec.aspx?rec=11581)

[[X.1195] ITU-T Recommendation X.1195: Service and content protection interoperability scheme](http://www.itu.int/ITU-T/recommendations/rec.aspx?rec=11057)

[[X.1196] ITU-T Recommendation X.1196: Framework for the downloadable service and content protection system in the mobile Internet Protocol television environment](http://www.itu.int/ITU-T/recommendations/rec.aspx?rec=11761)

[[X.1197] ITU-T Recommendation X.1197: Guidelines on criteria for selecting cryptographic algorithms for IPTV service and content protection](http://www.itu.int/ITU-T/recommendations/rec.aspx?rec=11582)

[[X.1198] ITU-T Recommendation X.1198: Virtual machine-based security platform for renewable IPTV service and content protection](http://www.itu.int/ITU-T/recommendations/rec.aspx?rec=11949)

## 2.5 IPTV Service for Secondary Distribution

[J.701] ITU-T Recommendation J.701: Broadcast-centric IPTV terminal middleware

[J.702] ITU-T Recommendation J.702: Enablement of current terminal devices for the support of IPTV services

1. **List** of Recommendations from ATIS-IPTV Interoperability Forum

**[TBD]**

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