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SERIES Y: GLOBAL INFORMATION
INFRASTRUCTURE, INTERNET PROTOCOL ASPECTS
AND NEXT-GENERATION NETWORKS

Internet protocol aspects – IPTV over NGN

Functional requirements of mobile IPTV

Recommendation ITU-T Y.1903



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Recommendation ITU-T Y.1903

Functional requirements of mobile IPTV

Summary

Recommendation ITU-T Y.1903 describes detailed functional requirements of mobile IPTV, which is an application of IPTV (Recommendation ITU-T Y.1901). It applies to where the IPTV terminal device is connected to the IPTV service provider via an IPTV-enabled mobile network to provide the IPTV services irrespective of changes of the location or technical environment. This Recommendation focuses on the requirements for networking aspects of an IPTV terminal device to the IPTV service provider. This Recommendation does not address the common functional requirements of an IPTV service, which are covered by Recommendation ITU-T Y.1901, but provides the requirements specific to mobile IPTV services only. Thus, these functional requirements are used to develop the detailed specifications of the IPTV functional components which are defined in Recommendation ITU-T Y.1910 for support of mobile IPTV.

History

Edition	Recommendation	Approval	Study Group	Unique ID*
1.0	ITU-T Y.1903	2014-01-13	13	11.1002/1000/12070

Keywords

Broadcast, functional requirements, IPTV, mobile IPTV, multicast.

* 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

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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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Recommendation ITU-T Y.1903

Functional requirements of mobile IPTV

1 Scope

This Recommendation describes detailed functional requirements of mobile IPTV, which is an application of IPTV [ITU-T Y.1901]. It applies to where the IPTV terminal device is connected to the IPTV service provider via an IPTV-enabled mobile network to provide the IPTV services irrespective of changes of the location or technical environment. This Recommendation focuses on the requirements for networking aspects between an IPTV terminal device and an IPTV service provider. This Recommendation does not address the common functional requirements of IPTV service, which are covered by [ITU-T Y.1901] but provides the requirements specific to mobile IPTV services only. Thus, these functional requirements are used to develop the detailed specifications of the IPTV functional components which are defined in [ITU-T Y.1910] for support of mobile IPTV.

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 X.1191] Recommendation ITU-T X.1191 (2009), *Functional requirements and architecture for IPTV security aspects*.
- [ITU-T X.1196] Recommendation ITU-T X.1196 (2012), *Framework for the downloadable service and content protection system in the mobile Internet Protocol television environment*.
- [ITU-T Y.1901] Recommendation ITU-T Y.1901 (2008), *Requirements for the support of IPTV services*.
- [ITU-T Y.1910] Recommendation ITU-T Y.1910 (2008), *IPTV functional architecture*.
- [ITU-T Y.2201] Recommendation ITU-T Y.2201 (2009), *Requirements and capabilities for ITU-T NGN*.

3 Definitions

3.1 Terms defined elsewhere

This Recommendation uses the following terms defined elsewhere:

3.1.1 home network [b-ITU-T Q.1706]: The network to which a mobile user is normally connected, or the service provider with which the mobile user is associated, and where the user's subscription information is managed.