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OF TELEVISION, SOUND PROGRAMME AND OTHER
MULTIMEDIA SIGNALS

Digital transmission of television signals - Part 4

Architecture and functional specifications of a radio frequency (RF)/Internet protocol (IP) video switching system

Recommendation ITU-T J.483

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Architecture and functional specifications of a radio frequency (RF)/ Internet protocol (IP) video switching system

Summary

Recommendation ITU-T J.483 defines the architecture and functional specifications of a radio frequency (RF) / Internet protocol (IP) video switching system.

History

Edition	Recommendation	Approval	Study Group	Unique ID*
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* 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>.

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Introduction

This Recommendation is Part 2 of a multi-part deliverable covering both the requirements [ITU-T J.482] and the architecture and functional specifications for the RF/IP switching system, as identified below:

Part 1: Requirements [ITU-T J.482]

Part 2: Architecture and functional specifications

Cable television operators provide subscribers with a variety of video services composed of RF-signal-based video (RF-video) and IP-signal-based video (IP-video) over cable networks. While the bandwidth is limited, cable operators are facing subscriber needs to watch a higher quality video such as 4K in either RF or IP format.

Under these circumstances, the purpose of the RF/IP switching system is to create an environment where almost all the subscribers can watch 4K videos if they so wish.