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

IPCablecom

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## Framework for implementing preferential telecommunications in IPCablecom and IPCablecom2 networks

Recommendation ITU-T J.261



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# **Recommendation ITU-T J.261**

## **Framework for implementing preferential telecommunications in IP-Cablecom and IP-Cablecom2 networks**

### **Summary**

Recommendation ITU-T J.261 provides a framework for implementing preferential capabilities in IP-Cablecom and IP-Cablecom2 networks.

The approach of this Recommendation is to define a framework for capabilities that can be utilized to meet the requirements in Recommendation ITU-T J.260 and forms the basis for detailed IP-Cablecom and IP-Cablecom2 Recommendations in support of preferential telecommunications.

### **Source**

Recommendation ITU-T J.261 was approved on 30 October 2009 by ITU-T Study Group 9 (2009-2012) under the WTSA Resolution 1 procedure.

## 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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## Introduction

Emergency/disaster telecommunications for authorized users plays a vital role in the health, safety and welfare of people in all countries. The common thread to facilitate emergency/disaster operations is the utility of assured capabilities for user-friendly preferential telecommunication services that may be realized by technical solutions and/or administrative policy. The capabilities of IPCablecom and IPCablecom2 cable infrastructures offer an important resource for assured preferential telecommunication services.

The essential aspects of preferential telecommunication over cable networks that this framework Recommendation addresses are grouped into two prime areas: authentication and priority. These two areas are the vital network features needed to obtain the resources of cable networks when preferential treatment is required. Other areas such as policy, traffic engineering, alternate routing, provisioning for restorability, etc., are either out of scope or not addressed in this version.

The evolving nature of telecommunication networks in general, and of cable networks in particular, lends itself to a phased approach for the support of preferential treatment. A phased approach needs to consider the evolution of IPCablecom Recommendations: the initial suite of IPCablecom Recommendations, the IPCablecom Recommendations as revised in 2005, and the IPCablecom2 suite of Recommendations.