International Telecommunication Union

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

J.171.0
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SERIES J: CABLE NETWORKS AND TRANSMISSION OF TELEVISION, SOUND PROGRAMME AND OTHER MULTIMEDIA SIGNALS

IPCablecom

IPCablecom trunking gateway control protocol (TGCP): Profiles overview

ITU-T Recommendation J.171.0

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IPCablecom trunking gateway control protocol (TGCP): Profiles overview

Summary

This Recommendation identifies the two alternative profiles in ITU-T Recs J.171.1 and J.171.2 for the trunking gateway control protocol interface.

FOREWORD

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NOTE

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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As of the date of approval of this Recommendation, ITU had not received notice of intellectual property, protected by patents, which may be required to implement this Recommendation. However, implementors are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database.

CONTENTS

ITU-T Recommendation J.171.0

IPCablecom trunking gateway control protocol (TGCP): Profiles overview

1   Scope

This Recommendation is an overview of IPCablecom profiles of an Application Programming Interface (API) and Trunking Gateway Control Protocol (TGCP) for controlling voice-over-IP (VoIP) PSTN Media Gateways from external call control elements.

2   References

2.1   Normative 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 Recommendation J.171.1 (2005), *IPCablecom trunking gateway control protocol (TGCP): Profile 1*.

–   ITU-T Recommendation J.171.2 (2005), *IPCablecom trunking gateway control protocol (TGCP): Profile 2*.

3   Definitions

This Recommendation does not define any terms.

4   Abbreviations and acronyms

This Recommendation does not define any new abbreviations and acronyms.

5   Protocol profiles overview

This Recommendation specifies two alternate profiles for controlling the PSTN gateways from external call control elements. Profile 1 specified in ITU-T Rec. J.171.1 is based on the IPCablecom network-based call signalling (ITU-T Rec. J.162) and IETF RFC 2705, Media Gateway Control Protocol (MGCP). ITU-T Rec. J.171.2 is a profile of ITU-T Rec. H.248.1 version 2 (05/2002) Profile. Only one of the two profiles is required for the trunking gateway control protocol interface.

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