International Telecommunication Union

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

Q.4006.2

(02/2016)

SERIES Q: SWITCHING AND SIGNALLING

Testing specifications – Testing specifications for SIP-IMS

Communication waiting service using IP multimedia core network subsystem; Conformance testing – Part 2: Network side; Test suite structure and test purposes

Recommendation ITU-T Q.4006.2

Copyright International Telecommunication Union/ITU Telcommunication Sector
Provided by IHS Markit under license with ITU-T
No reproduction or networking permitted without license from IHS
Full document details: ITU-T Q.4006.2 2016

Licensee=/, User=,
Not for Resale,

International Telecommunication Union
Documents
Document Sharing Hub

ITU-T Q-SERIES RECOMMENDATIONS

SWITCHING AND SIGNALLING

SIGNALLING IN THE INTERNATIONAL MANUAL SERVICE	Q.1–Q.3
INTERNATIONAL AUTOMATIC AND SEMI-AUTOMATIC WORKING	Q.4–Q.59
FUNCTIONS AND INFORMATION FLOWS FOR SERVICES IN THE ISDN	Q.60–Q.99
CLAUSES APPLICABLE TO ITU-T STANDARD SYSTEMS	Q.100–Q.119
SPECIFICATIONS OF SIGNALLING SYSTEMS No. 4, 5, 6, R1 AND R2	Q.120–Q.499
DIGITAL EXCHANGES	Q.500–Q.599
INTERWORKING OF SIGNALLING SYSTEMS	Q.600–Q.699
SPECIFICATIONS OF SIGNALLING SYSTEM No. 7	Q.700–Q.799
Q3 INTERFACE	Q.800–Q.849
DIGITAL SUBSCRIBER SIGNALLING SYSTEM No. 1	Q.850–Q.999
PUBLIC LAND MOBILE NETWORK	Q.1000–Q.1099
INTERWORKING WITH SATELLITE MOBILE SYSTEMS	Q.1100–Q.1199
INTELLIGENT NETWORK	Q.1200–Q.1699
SIGNALLING REQUIREMENTS AND PROTOCOLS FOR IMT-2000	Q.1700–Q.1799
SPECIFICATIONS OF SIGNALLING RELATED TO BEARER INDEPENDENT CALL CONTROL (BICC)	Q.1900–Q.1999
BROADBAND ISDN	Q.2000–Q.2999
SIGNALLING REQUIREMENTS AND PROTOCOLS FOR THE NGN	Q.3000–Q.3899
TESTING SPECIFICATIONS	Q.3900–Q.4099
Testing specifications for next generation networks	Q.3900–Q.3999
Testing specifications for SIP-IMS	**Q.4000–Q.4039**
Testing specifications for Cloud computing	Q.4040–Q.4059

For further details, please refer to the list of ITU-T Recommendations.

Documents
Document Sharing Hub

Copyright International Telecommunication Union/ITU Telcommunication Sector
Provided by IHS Markit under license with ITU-T
No reproduction or networking permitted without license from IHS
Licensee=/, User=,
Not for Resale,
Full document details: ITU-T Q.4006.2 2016

Recommendation ITU-T Q.4006.2

Communication waiting service using IP multimedia core network subsystem; conformance testing – Part 2: Network side; Test suite structure and test purposes

Summary

Recommendation ITU-T Q.4006.2 v.1 (2016) is part 2 of the testing specifications for communication waiting service (CW) implemented on IP multimedia subsystem (IMS) basis on the network side. The Recommendation specifies the test suite structure and test purposes (TSS&TP) which can be used for testing against the Recommendation ITU-T Q.3622 v.1.

The version number, v.1, indicates that this is version one of Recommendation ITU-T Q.4006.2 and that it relates to Release 10 of the relevant 3GPP/ETSI standard.

History

Edition	Recommendation	Approval	Study Group	Unique ID*
1.0	ITU-T Q.4006.2 v.1	2016-02-13	11	11.1002/1000/12742

Keywords

Communication waiting, CW, IP multimedia subsystem, IMS, network side, session description protocol, SDP, session initiation protocol, SIP, test purposes, TP, test suite structure, TSS, testing, user side.

* 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.

--`,,```,,,,````-`-`,,`,,`,`,,`---

Documents
Document Sharing Hub

Copyright International Telecommunication Union/ITU Telcommunication Sector
Provided by IHS Markit under license with ITU-T
No reproduction or networking permitted without license from IHS
Licensee=/, User=,
Not for Resale,
Full document details: ITU-T Q.4006.2 2016

FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications, information and communication technologies (ICTs). The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of ITU. ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

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.

NOTE

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

Compliance with this Recommendation is voluntary. However, the Recommendation may contain certain mandatory provisions (to ensure, e.g., interoperability or applicability) and compliance with the Recommendation is achieved when all of these mandatory provisions are met. The words "shall" or some other obligatory language such as "must" and the negative equivalents are used to express requirements. The use of such words does not suggest that compliance with the Recommendation is required of any party.

INTELLECTUAL PROPERTY RIGHTS

ITU draws attention to the possibility that the practice or implementation of this Recommendation may involve the use of a claimed Intellectual Property Right. ITU takes no position concerning the evidence, validity or applicability of claimed Intellectual Property Rights, whether asserted by ITU members or others outside of the Recommendation development process.

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, implementers are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database at http://www.itu.int/ITU-T/ipr/.

© ITU 2016

All rights reserved. No part of this publication may be reproduced, by any means whatsoever, without the prior written permission of ITU.

Copyright International Telecommunication Union/ITU Telcommunication Sector
Provided by IHS Markit under license with ITU-T
No reproduction or networking permitted without license from IHS
Licensee=/, User=,
Not for Resale,
Full document details: ITU-T Q.4006.2 2016

Documents
Document Sharing Hub

Table of Contents

		Page
1	Scope	1
2	References	1
3	Definitions	1
4	Abbreviations and acronyms	2
5	Test suite structure (TSS) and test configuration	2
	5.1 Configuration	2
6	Test purposes (TP)	3
	6.1 Introduction	3
	6.2 TPs for communication waiting (CW)	4
	6.3 Interaction with other supplementary services	9
	6.4 Test purposes for service configuration	12

Documents
Document Sharing Hub
Copyright International Telecommunication Union/ITU Telcommunication Sector
Provided by IHS Markit under license with ITU-T
No reproduction or networking permitted without license from IHS
Licensee=/, User=,
Not for Resale,
Full document details: ITU-T Q.4006.2 2016

Documents
Document Sharing Hub

Copyright International Telecommunication Union/ITU Telcommunication Sector
Provided by IHS Markit under license with ITU-T
No reproduction or networking permitted without license from IHS
Full document details: ITU-T Q.4006.2 2016

Licensee=/, User=,
Not for Resale,