

International Telecommunication Union

**ITU-T**

TELECOMMUNICATION  
STANDARDIZATION SECTOR  
OF ITU

**Q.3941.3**

(06/2011)

SERIES Q: SWITCHING AND SIGNALLING

Signalling requirements and protocols for the NGN –  
Testing for NGN networks

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**Network integration testing between SIP and  
ISDN/PSTN network signalling protocols –  
Part 3: Test suite structure and test purposes  
for SIP-SIP**

Recommendation ITU-T Q.3941.3



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## **Recommendation ITU-T Q.3941.3**

### **Network integration testing between SIP and ISDN/PSTN network signalling protocols – Part 3: Test suite structure and test purposes for SIP-SIP**

#### **Summary**

Recommendation ITU-T Q.3941.3 specifies the test suite structure and test purposes (TSS&TP) for network integration testing (NIT) to verify the overall compatibility of IMS networks. For IMS, SIP and SDP specific terminology, reference shall be made to ETSI TS 124 229 and RFC 3261, respectively.

#### **History**

| Edition | Recommendation | Approval   | Study Group |
|---------|----------------|------------|-------------|
| 1.0     | ITU-T Q.3941.3 | 2011-06-29 | 11          |

## 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.

## 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.

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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, 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/>.

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## Recommendation ITU-T Q.3941.3

### Network integration testing between SIP and ISDN/PSTN network signalling protocols – Part 3: Test suite structure and test purposes for SIP-SIP

#### 1 Scope

This Recommendation specifies the test suite structure and test purposes (TSS&TP) for network integration testing (NIT) to verify the overall compatibility of IMS networks. For IMS, SIP and SDP specific terminology, reference shall be made to [ETSI TS 124 229] and RFC 3261, respectively.

This Recommendation is part 3 of a multi-part deliverable covering network integration testing between SIP and ISDN/PSTN network signalling protocols:

- Part 1: Test suite structure and test purposes for SIP-ISDN.
- Part 2: Abstract test suite and partial protocol implementation extra information for testing proforma specification for SIP-ISDN.
- Part 3: Test suite structure and test purposes for SIP-SIP.
- Part 4: Abstract test suite and partial protocol implementation extra information for testing proforma specification for SIP-SIP.

#### 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.

[ETSI TS 124 229] ETSI TS 124 229 (2011), *Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3 (3GPP TS 24.229 Release 9)*.

[ETSI TS 186 001-3] ETSI TS 186 001-3 (2010), *IMS Network Testing (INT); Network Integration Testing; Part 3: Test Suite Structure and Test Purposes (TSS&TP) for SIP-SIP*.

#### 3 Endorsement

The text of [ETSI TS 186 001-3] was approved by ITU-T as the basis for Recommendation ITU-T Q.3941.3 as modified below.

#### **4 Modifications**

##### **Page 5, Intellectual Property Rights**

Delete the whole section.

##### **Page 5, Foreword**

Delete the whole section.

##### **Page 6, Scope**

Replace the whole clause with the following:

"1 Scope, See clause 1, Scope, of Recommendation ITU-T Q.3941.3"

##### **Page 142, History**

Delete the whole section.



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