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| INTERNATIONAL TELECOMMUNICATION UNION | | | **Joint Coordination Activity   On Conformance and Interoperability Testing** | |
| **TELECOMMUNICATION STANDARDIZATION SECTOR**  STUDY PERIOD 2013-2016 | | | JCA-CIT-O-002 | |
| **English only**  **Original: English** | |
|  | | | Geneva, 25 April 2013 | |
| **DOCUMENT** | | | | |
| **Source:** | JCA-CIT Convener | | | |
| **Title:** | LS/o/r to the request to fill a) living list of technologies suitable for testing and b) list of possible pilot projects for conformity assessment against ITU-T Recommendations (reply to COM 11-LS 10, LS12 R1 and LS 13) [to ITU-T SG11] | | | |
| **LIAISON STATEMENT** | | | | |
| **For action to:** | | ITU-T SG 11 | | |
| **For comment to:** | | - | | |
| **For information to:** | | ITU-T SG 5, 9, 12, 13, 15, 16 and 17 | | |
| **Approval:** | | JCA-CIT (Geneva, 25 April 2013) | | |
| **Deadline:** | | N/A | | |
| **Contact:** | Martin Brand  JCA-CIT Convener  Dipl. Eng. of A1 Telekom Austria  SG 11 Vice-chairman  Chairman of WP4/11 “Conformance and Interoperability (C&I) Testing” | | | Tel: + 435066431916  Fax: + 4350664931916 Email: [martin.brand@A1telekom.at](mailto:martin.brand@A1telekom.at) |
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JCA-CIT thanks SG11 for all received liaison statements concerning studies and activities, which are being conducted by SG11 on C&I.

In accordance with the updated ToR of JCA-CIT, as agreed by SG11, JCA-CIT helps SG11 in its coordination activities with other ITU-T SGs to identify those technologies suitable for conformity and interoperability testing and also JCA-CIT assists SG11 in the creation and maintenance of a relevant living list.

In this regard, JCA-CIT forwards to SG11 several updates to the living list according to our knowledge of activities in ITU and other SDO.

**Annex A to the SG11 Action Plan document (C-40/SG11)**

**Living list of key technologies which are under study in SG11 and are suitable for conformance and/or interoperability testing**

| **#** | **Title of technologies have to be tested on C&I** | **SG’s Focal point** | **Other SDOs involved to this activity** | **References to SDOs docs** | **References to ITU-T Recs.** |
| --- | --- | --- | --- | --- | --- |
|  | **Network and equipment performance (Benchmarking)** | Martin Brand  Vice-chairman of SG11  (Austria)  [martin.brand@A1telekom.at](mailto:martin.brand@A1telekom.at)  Michael Mild  Rapporteur of Q10/11  (Sweden)  [michael.mild@softwell.se](mailto:michael.mild@softwell.se) | ETSI  (INT; STQ; MTS) | **ETSI Requirements (draft):** | **Requirements (draft):** |
| Only first draft available  'DTR/STQ-207' | [Draft Q.39zz-1](http://www.itu.int/md/T13-SG11-C-0009/en) “Reference load profiles and background traffic load” |
| **ETSI Test suites (in force):** | **Test suites (in force):** |
| **ETSI TR 101 577**  Methods for Testing and Specifications (MTS);Performance Testing of Distributed Systems; Concepts and Terminology | [Q.3930 Performance testing of distributed systems - Concepts and terminology](http://www.itu.int/ITU-T/recommendations/rec.aspx?rec=11716) |
| **TS 186 025-1**  IMS/PES Performance Benchmark; Part 1: Core concept | [Q.3931.1 Performance benchmark for the PSTN/ISDN emulation subsystem of an IP multimedia system - Part 1: Core concepts](http://www.itu.int/ITU-T/recommendations/rec.aspx?rec=11091) |
| **TS 186 025-2**  IMS/PES Performance Benchmark  Part 2: Subsystem Configurations and Benchmarks | [Q.3931.2 Performance benchmark for the PSTN/ISDN emulation subsystem of an IP multimedia system - Part 2: Subsystem configurations and benchmarks](http://www.itu.int/ITU-T/recommendations/rec.aspx?rec=11092) |
| **TS 186 025-3**  IMS/PES Performance Benchmark Part 3: Traffic Sets and Traffic Profiles | **The Draft Q.3931.3**   Performance benchmark for the PSTN/ISDN emulation subsystem of an IP multimedia system Part 3: Traffic Sets and Traffic Profiles |
| **186 025- 4**  IMS/PES Performance Benchmark;  Part 4: Reference Load network quality parameters | **The Draft 186 025.4**   Performance benchmark for the PSTN/ISDN emulation subsystem of an IP multimedia system;  Part 4: Reference Load network quality parameters |
| **ETSI Test suites (in force)** | **Test suites (draft)** |
| **186 008- 1**  IMS/NGN Performance Benchmark; Part 1: Core concept | The draft [Q.3932.1](http://www.itu.int/md/T13-SG11-C-0025/en)  "IMS/NGN Performance Benchmark; Part 1: Core concept" |
| **186 008- 2**  IMS/NGN Performance Benchmark  Part 2: Subsystem Configurations and Benchmarks | The draft [Q.3932.2](http://www.itu.int/md/T13-SG11-C-0026/en)  "IMS/NGN Performance Benchmark; Part 2: Subsystem Configurations and Benchmarks" |
| **186 008-3**  IMS/NGN Performance Benchmark Part 3: Traffic Sets and Traffic Profiles | The draft [Q.3931.3](http://www.itu.int/md/T13-SG11-C-0028/en)  IMS/PES Performance Benchmark Part 3: Traffic Sets and Traffic Profiles |
| **186 008-4**  IMS/NGN Performance Benchmark;  Part 4: Reference Load network quality parameters | The draft [Q.3931.4](http://www.itu.int/md/T13-SG11-C-0027/en)  "IMS/PES Performance Benchmark; Part 4: Reference Load network quality parameters" |
|  | **QoS/QoE and NP** | Martin Brand  Vice-chairman of SG11  (Austria)  [martin.brand@A1telekom.at](mailto:martin.brand@A1telekom.at)  Eva Ibarrola  (Spain)  [eva.ibarrola@ehu.es](mailto:eva.ibarrola@ehu.es)  Minrui Shi  (China)  [shimr@sttri.com.cn](mailto:shimr@sttri.com.cn)  Andrey Koucheryavy  (Russia)  [akouch@mail.ru](mailto:akouch@mail.ru)  Dmitry Tarasov  (Russia)  [tarasov@zniis.ru](mailto:tarasov@zniis.ru) | ITU-T SG12  ETSI | **ETSI requirements (in force)** | **Requirements (in force)** |
| **—** | [Q.3925 Traffic flow types for testing quality of service parameters on model networks](http://www.itu.int/ITU-T/recommendations/rec.aspx?rec=11572)  [Y.1542](http://www.itu.int/rec/T-REC-Y.1542/en) Framework for achieving end-to-end IP performance objectives  [Y.1543](http://www.itu.int/rec/T-REC-Y.1543/en) Measurements in IP networks for inter-domain performance assessment |
| **ETSI TR 102 775**  Speech and multimedia Transmission Quality (STQ); Guidance on objectives for Quality related Parameters at VoIP Segment-Connection Points;A support to NGN transmission planners  **ETSI TS 101 563**  IMS/PES exchange performance requirements |  |
| **ETSI requirements (draft)** | **Requirements (draft)** |
| **TS 102 928**  End-to-End Transmission Planning Requirements for Real Time Services in an NGN context | — |
| **—** | [Q.MSPQuality](http://www.itu.int/md/T13-SG11-C-0045/en) "The signaling protocol of the quality of service monitoring system for controlling and data exchanging"  [Q.NP-req](http://www.itu.int/md/T13-SG11-C-0046/en) "Requirements for network performance and quality measurements services (network probes)" |
| **ETSI test suites (draft)** | **Test suites (draft)** |
| — | The draft [Q.QMS](http://www.itu.int/md/T13-SG11-C-0024/en) “The Framework of the QoS/QoE Monitoring system” |

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|  | **QoS/QoE and NP Tests** | Martin Brand  Vice-chairman of SG11  (Austria)  [martin.brand@A1telekom.at](mailto:martin.brand@A1telekom.at)  Eva Ibarrola  (Spain)  [eva.ibarrola@ehu.es](mailto:eva.ibarrola@ehu.es)  Minrui Shi  (China)  [shimr@sttri.com.cn](mailto:shimr@sttri.com.cn)  Andrey Koucheryavy  (Russia)  [akouch@mail.ru](mailto:akouch@mail.ru)  Dmitry Tarasov  (Russia)  [tarasov@zniis.ru](mailto:tarasov@zniis.ru) | ITU-T SG11  ETSI | **ETSI requirements (in force)** | **Requirements (in force)** |
|  | ETSI TR 101 577  Methods for Testing and Specifications (MTS);Performance Testing of Distributed Systems;Concepts and Terminology | [Q.3930: Performance testing of distributed systems - Concepts and terminology](http://www.itu.int/ITU-T/recommendations/rec.aspx?rec=11716" \o "Performance testing of distributed systems - Concepts and terminology) |
| ETSI TS 186 025-1  Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN);IMS/PES Performance Benchmark;Part 1: Core Concepts | [Q.3931.1: Performance benchmark for the PSTN/ISDN emulation subsystem of an IP multimedia system - Part 1: Core concepts](http://www.itu.int/ITU-T/recommendations/rec.aspx?rec=11091" \o "Performance benchmark for the PSTN/ISDN emulation subsystem of an IP multimedia system - Part 1: Core concepts) |
| ETSI TS 186 025-2  Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN);IMS/PES Performance Benchmark;Part 2: Subsystem Configurations and Benchmarking | [Q.3931.2: Performance benchmark for the PSTN/ISDN emulation subsystem of an IP multimedia system - Part 2: Subsystem configurations and benchmarks](http://www.itu.int/ITU-T/recommendations/rec.aspx?rec=11092" \o "Performance benchmark for the PSTN/ISDN emulation subsystem of an IP multimedia system - Part 2: Subsystem configurations and benchmarks) |
| ETSI TS 186 025-3  IMS Network Testing (INT);IMS/PES Performance Benchmark;Part 3: Traffic Sets and Traffic Profiles |  |
| ETSI TS 186 025-4  Telecommunications and Internet Converged Services and Protocols for Advanced Networking (TISPAN);IMS/PES Performance Benchmark;Part 4: Reference Load network quality parameter |  |
| ETSI TS 186 008-1  Title: IMS Network Testing (INT);IMS/NGN Performance Benchmark;Part 1: Core Concepts |  |
| ETSI TS 186 008-2  Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN);IMS/NGN Performance Benchmark Part 2: Subsystem Configurations and Benchmarks |  |
| ETSI TS 186 008-3  Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN);IMS/NGN Performance Benchmark Part 3: Traffic Sets and Traffic Profiles |  |
|  | **NGN functionality** | Andrey Koucheryavy  (Russia)  [akouch@mail.ru](mailto:akouch@mail.ru)  Dmitry Tarasov  (Russia)  [tarasov@zniis.ru](mailto:tarasov@zniis.ru)  Martin Brand  Vice-chairman of SG11  (Austria)  [martin.brand@A1telekom.at](mailto:martin.brand@A1telekom.at) | ETSI | **ETSI requirements (NGN architecture)** | **Requirements (in force)** |
| **—** | Y.2201 NGN release 1 requirements  Y.2012 Functional requirements and architecture of next generation networks  [Q.3909 The framework and overview of NGN conformance and interoperability testing](http://www.itu.int/ITU-T/recommendations/rec.aspx?rec=11437) |
| **ETSI Test suites (in force)** | **Test suites (in force)** |
| **—** | [Q.3900 Methods of testing and model network architecture for NGN technical means testing as applied to public telecommunication networks](http://www.itu.int/ITU-T/recommendations/rec.aspx?rec=8910)  [Q.3901 Testing topology for networks and services based on NGN technical means](http://www.itu.int/ITU-T/recommendations/rec.aspx?rec=9248) |
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|  | **Functions of broadband network as a part of NGN** | Dmitry Tarasov  (Russia)  [tarasov@zniis.ru](mailto:tarasov@zniis.ru) |  | **SDOs requirements** | **Requirements (in force)** |
| **—** | [Y.2012](http://www.itu.int/rec/T-REC-Y.2012-201004-I/en)Functional requirements and architecture of next generation networks |
| **SDOs test suites** | **Test suites (in force)** |
| — | [Q.3906.1 Test scenarios and catalogue for testing fixed-broadband access networks using a model network - Part I](http://www.itu.int/ITU-T/recommendations/rec.aspx?rec=11006) |
|  | **IMS architecture, signalling protocols, interfaces** | Martin Brand  Vice-chairman of SG11  (Austria)  [martin.brand@A1telekom.at](mailto:martin.brand@A1telekom.at)  Dmitry Tarasov  (Russia)  [tarasov@zniis.ru](mailto:tarasov@zniis.ru) | ETSI/3GPP | **ETSI Requirements (in force)** | **Requirements (in force)** |
| **ETSI TS 124 228**  Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); Signalling flows for the IP multimedia call control based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3 | **—** |
| **ETSI TS 124 229**  Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3 | **—** |
| **ETSI TS 124 238**  Universal Mobile Telecommunications System (UMTS); LTE; Session Initiation Protocol (SIP) based user configuration;  Stage 3 | **—** |
| **ETSI TS 124 428**  Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); TISPAN; Common Basic Communication procedures; Protocol specification | **—** |
| **ETSI TS 132 297**  Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; Telecommunication  management; Charging management; Charging Data Record (CDR) file format and  transfer |  |
|  | **—** |
| **—** | Recommendation ITU-T Y.2012 (2010), Functional requirements and architecture of next generation networks |

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|  | *IMS Basic call - Protocol conformance Testing* | | | **Test suites ETSI (in force)** | **Test suites (in force)** |
| [TS 102 790-](http://webapp.etsi.org/WorkProgram/Report_WorkItem.asp?WKI_ID=31830&curItemNr=13&totalNrItems=36&optDisplay=50&titleType=all&qSORT=HIGHVERSION&qETSI_ALL=&SearchPage=TRUE&qTB_ID=715%3BINT&qINCLUDE_SUB_TB=True&qRAPTR_NAME=Schmitting&qINCLUDE_MOVED_ON=&qSTOP_FLG=N&qKEYWORD_BOOLEAN=OR&qSTOPPING_OUTDATED=&butExpertSearch=Search&includeNonActiveTB=FALSE&includeSubProjectCode=FALSE&qREPORT_TYPE=SUMMARY)1  Title: Technical Committee for IMS Network Testing (INT);Network Integration Testing;IMS specific use of Session Initiation Protocol (SIP) and Session Description Protocol (SDP);Conformance Testing;Part 1: Protocol Implementation Conformance Statement (PICS) |  |
| [**TS 102 790-2**](http://webapp.etsi.org/WorkProgram/Report_WorkItem.asp?WKI_ID=31830&curItemNr=13&totalNrItems=36&optDisplay=50&titleType=all&qSORT=HIGHVERSION&qETSI_ALL=&SearchPage=TRUE&qTB_ID=715%3BINT&qINCLUDE_SUB_TB=True&qRAPTR_NAME=Schmitting&qINCLUDE_MOVED_ON=&qSTOP_FLG=N&qKEYWORD_BOOLEAN=OR&qSTOPPING_OUTDATED=&butExpertSearch=Search&includeNonActiveTB=FALSE&includeSubProjectCode=FALSE&qREPORT_TYPE=SUMMARY)  Technical Committee for IMS Network Testing (INT);  Network Integration Testing; IMS specific use of Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Conformance Testing; Part 2: Test Suite Structure (TSS) and Test Purposes (TP) Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) | **—** |
| [TS 102 790-](http://webapp.etsi.org/WorkProgram/Report_WorkItem.asp?WKI_ID=31830&curItemNr=13&totalNrItems=36&optDisplay=50&titleType=all&qSORT=HIGHVERSION&qETSI_ALL=&SearchPage=TRUE&qTB_ID=715%3BINT&qINCLUDE_SUB_TB=True&qRAPTR_NAME=Schmitting&qINCLUDE_MOVED_ON=&qSTOP_FLG=N&qKEYWORD_BOOLEAN=OR&qSTOPPING_OUTDATED=&butExpertSearch=Search&includeNonActiveTB=FALSE&includeSubProjectCode=FALSE&qREPORT_TYPE=SUMMARY)3  Title: Technical Committee for IMS Network Testing (INT);Network Integration Testing;IMS specific use of Session Initiation Protocol (SIP) and Session Description Protocol (SDP);Conformance Testing;Part 3: Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification |  |
| [**TS 101 553-1**](http://webapp.etsi.org/WorkProgram/Report_WorkItem.asp?WKI_ID=34688&curItemNr=27&totalNrItems=29&optDisplay=29&titleType=all&qSORT=HIGHVERSION&qETSI_ALL=&SearchPage=TRUE&qETSI_STANDARD_TYPE=%27TS%27&qTB_ID=715%3BINT&qINCLUDE_SUB_TB=True&qRAPTR_NAME=Ott&qINCLUDE_MOVED_ON=&qSTOP_FLG=N&qKEYWORD_BOOLEAN=OR&qSTOPPING_OUTDATED=&butExpertSearch=Search&includeNonActiveTB=FALSE&includeSubProjectCode=FALSE&qREPORT_TYPE=SUMMARY)  Technical Committee for IMS Network Testing (INT); Testing of the IBCF requirements; Part 1: PICS | **—** |
| [**TS 101 553-2**](http://webapp.etsi.org/WorkProgram/Report_WorkItem.asp?WKI_ID=34688&curItemNr=27&totalNrItems=29&optDisplay=29&titleType=all&qSORT=HIGHVERSION&qETSI_ALL=&SearchPage=TRUE&qETSI_STANDARD_TYPE=%27TS%27&qTB_ID=715%3BINT&qINCLUDE_SUB_TB=True&qRAPTR_NAME=Ott&qINCLUDE_MOVED_ON=&qSTOP_FLG=N&qKEYWORD_BOOLEAN=OR&qSTOPPING_OUTDATED=&butExpertSearch=Search&includeNonActiveTB=FALSE&includeSubProjectCode=FALSE&qREPORT_TYPE=SUMMARY)  Technical Committee for IMS Network Testing (INT); Testing of the IBCF requirements; Part 2: Test Suite Structure and Test Purposes (TSS&TP) | — |
| **TS 101 580-1**  IMS Network Testing (INT);Diameter Conformance testing for Rx interface;  Part 1: PICS | — |
| **TS 101 580-2**  IMS Network Testing (INT);Diameter Conformance testing for Rx interface;  Part 2: Test Suite Structure (TSS) and Test Purposes (TP) | — |
| **—** | [Q.3904: Testing principles for IMS model networks, and identification of relevant conformance, interoperability and functionality tests](http://www.itu.int/ITU-T/recommendations/rec.aspx?rec=10852) |
| **ETSI Requirements (in force)** | **Requirements (draft )** |
| **ETSI TS 102 027-1**  Draft IETF SIP RFC3261;  Part 1: Test Suite Structure and  Test Purposes (TSS&TP) specification | **Q.39xx-1**  IETF SIP RFC3261 Conformance Tests Specification; Part1: Test Suite Structure and Test Purposes (TSS&TP)” |
|  | **IMS supplementary services – Protocol specifications** | Martin Brand  Vice-chairman of SG11  (Austria)  [martin.brand@A1telekom.at](mailto:martin.brand@A1telekom.at)  Gerhard Ott  (Germany)  [gerhard.ott@telekom.de](mailto:gerhard.ott@telekom.de) | ETSI/3GPP | **ETSI Requirements (in force)** | **Requirements (in force)** |
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| 3GPP TS 24.173: "IMS multimedia telephony communication service and supplementary services; Stage 3". |  |
| **3 GPP TS [24.604](http://www.3gpp.org/ftp/Specs/html-info/24508.htm)**  Communication Diversion (CDIV) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification |  |
| **3 GPP TS 24.605**  Conference (CONF) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification |  |
| **3 GPP TS 24.606**  Message Waiting Indication (MWI) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification |  |
| **3 GPP TS 24.607**  Originating Identification Presentation (OIP) and Originating Identification Restriction (OIR) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification |  |
| **3 GPP TS 24.608**  Terminating Identification Presentation (TIP) and Terminating Identification Restriction (TIR) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification |  |
| **3 GPP TS 24.610**  Communication HOLD (HOLD) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification |  |
| **3 GPP TS 24.611**  Anonymous Communication Rejection (ACR) and Communication Barring (CB) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification |  |
| **3 GPP TS 24.615**  Communication Waiting (CW) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol Specification |  |
| **3 GPP TS 24.616**  Malicious Communication Identification (MCID) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification |  |
| **3 GPP TS 24.623**  Extensible Markup Language (XML) Configuration Access Protocol (XCAP) over the Ut interface for Manipulating Supplementary Services |  |
| **3 GPP TS 24.629**  Explicit Communication Transfer (ECT) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification |  |
| **3 GPP TS 24.642**  Completion of Communications to Busy Subscriber (CCBS) and Completion of Communications by No Reply (CCNR) using IP Multimedia (IM) Core Network (CN) subsystem; Protocol specification |  |
| **3 GPP TS 24.647**  Advice Of Charge (AOC) using IP Multimedia (IM) Core Network (CN) subsystem |  |
| **3 GPP TS 24.654**  Closed User Group (CUG) using IP Multimedia (IM) Core Network (CN) subsystem, Protocol Specification |  |
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|  | **IMS interconnection** | Martin Brand  Vice-chairman of SG11  (Austria)  [martin.brand@A1telekom.at](mailto:martin.brand@A1telekom.at) | ETSI | ETSI Requirements (in force) | **Requirements (in force)** |
|  | **—** |
| ETSI TS 29.165  Digital cellular telecommunications system (Phase 2+);Universal Mobile Telecommunications System (UMTS); LTE;Inter-IMS Network to Network Interface (NNI) (3GPP TS 29.165 version 11.5.0 Release 11) | Q.3401 NGN NNI signalling profile  **—** |
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|  | **Interoperability Testing** | | | **ETSI Test suites (in force)** | **Test suites (in force)** |
| **ETSI TR 101 667 (1999)**  Methods for Testing and Specification (MTS); Network Integration Testing (NIT); Interconnection; Reasons and goals for a global service testing approach |  |
| **TS** **101 585**  NGN/IMS interconnection tests at the Ic Interface;  Part 1: TSS & TP | [Q.3940 NGN/IMS interconnection tests between network operators at the IMS 'Ic' interface and NGN NNI / SIP-I](http://www.itu.int/ITU-T/recommendations/rec.aspx?rec=11717) |
| **ETSI TS 186 001-1 for Rel. 7**  Network Integration Testing between SIP and ISDN/PSTN network signalling protocols; Part 1: Test Suite Structure and Test Purposes (TSS&TP) for SIP-ISDN NIT based on 3GPP Rel. 10 - Part 1: TSS&TP Network Integration Testing between SIP and ISDN/PSTN NIT SIP-ISDN | [Q.3941.1 Network integration testing between SIP and ISDN/PSTN network signalling protocols – Part 1: Test suite structure and test purposes for SIP-ISDN](http://www.itu.int/ITU-T/recommendations/rec.aspx?rec=11356) |
| **ETSI TS 186 001-2 for Rel. 7**  Title: Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN);  **Network Integration Testing** between SIP and ISDN/PSTN network signalling protocols; Part 2: Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification | [Q.3941.2 Network integration testing between SIP and ISDN/PSTN network signalling protocols – Part 2: Abstract test suite and partial protocol implementation extra information for testing proforma specification for SIP-ISDN](http://www.itu.int/ITU-T/recommendations/rec.aspx?rec=11357) |
| **ETSI TS 186 001-3 for Rel. 7**  Title: Telecommunications and Internet Converged Services and Protocols for Advanced Networking (TISPAN); Network Integration Testing between SIP and ISDN/PSTN network signalling protocols; Part 3: Test Suite Structure and Test Purposes (TSS&TP) for SIP-SIP | [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](http://www.itu.int/ITU-T/recommendations/rec.aspx?rec=11358) |
| **ETSI TS 186 001-4 for Rel. 7**  Title: IMS Network Testing (INT);Network Integration Testing; Part 4: Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification | [Q.3941.4 Network integration testing between SIP and ISDN/PSTN network signalling protocols – Part 4: Abstract test suite and partial protocol implementation extra information for testing proforma specification for SIP-SIP](http://www.itu.int/ITU-T/recommendations/rec.aspx?rec=11359) |
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|  | **NGN monitoring system** |  |  | **SDOs Requirements (in force)** | **Requirements (in force)** |
| — | [Q.3902 Operational parameters to be monitored when implementing NGN technical means in public telecommunication networks](http://www.itu.int/ITU-T/recommendations/rec.aspx?rec=9249)  [Q.3910 Parameters for monitoring NGN protocols](http://www.itu.int/ITU-T/recommendations/rec.aspx?rec=10853)  [Q.3911 Parameters for monitoring voice services in NGN](http://www.itu.int/ITU-T/recommendations/rec.aspx?rec=10854)  [Q.3912 Set of parameters for monitoring next generation network streaming services](http://www.itu.int/ITU-T/recommendations/rec.aspx?rec=11715) |

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| 1. \ | **IMS supplementary services – Protocol specification tests** | Martin Brand  Vice-chairman of SG11  (Austria)  [martin.brand@A1telekom.at](mailto:martin.brand@A1telekom.at)  Gerhard Ott  (Germany)  [gerhard.ott@telekom.de](mailto:gerhard.ott@telekom.de) | ETSI | **ETSI requirements (in force)** | **Requirements (in force)** |
| — | **—** |
| **ETSI Test suites (in force)** | **Test suites (draft)** |
| **TS 186 006-1**  Technical Committee for IMS Network Testing (INT); Originating Identification Presentation (OIP) and Originating Identification Restriction (OIR) using IP Multimedia (IM) Core Network (CN) subsystem; Conformance Testing; Part 1:PICS | [Q.3943.1](http://www.itu.int/md/T13-SG11-C-0020/en) "Originating Identification Presentation (OIP) and Originating Identification Restriction (OIR) using IP Multimedia (IM) Core Network (CN) subsystem; Conformance test specification; Part 1: Protocol Implementation Conformance Statement (PICS)" |
| **TS 186 006-2**  Technical Committee for IMS Network Testing (INT); Originating Identification Presentation (OIP) and Originating Identification Restriction (OIR) using IP Multimedia (IM) Core Network (CN) subsystem; Conformance Testing; Part 2: Test Suite Structure and Test Purposes (TSS&TP) OIP/OIR TSS&TP | [Q.3943.2](http://www.itu.int/md/T13-SG11-C-0018/en) "Originating Identification Presentation (OIP) and Originating Identification Restriction (OIR) using IP Multimedia (IM) Core Network (CN) subsystem; Conformance Tests Specification, Network side, Part 2: Test Suite Structure and Test Purposes (TSS&TP)" |
| **TS 186 006-3**  IMS Network Testing (INT);  Originating Identification Presentation (OIP) and Originating Identification Restriction (OIR) using IP Multimedia (IM) Core Network (CN) subsystem; Conformance Testing; Part 3: Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification | — |
| **—** | [Q.3943.4](http://www.itu.int/md/T13-SG11-C-0019/en) "Originating Identification Presentation (OIP) and Originating Identification Restriction (OIR) using IP Multimedia (IM) Core Network (CN) subsystem; Conformance Tests Specification; User side Part 4: Test Suite Structure and Test Purposes (TSS&TP) |
| **TS 101 596-1**  IMS Network Testing (INT); Terminating Identification Presentation (TIP) and Terminating Identification Restriction (TIR) using IP Multimedia (IM) Core Network (CN) subsystem; Conformance Testing Part 1: PICS | [Q.3942.1](http://www.itu.int/md/T13-SG11-C-0033/en) "Terminating Identification Restriction (TIR) using IP Multimedia (IM) Core Network (CN) subsystem; Conformance Test Specification;" Part 1: Protocol Implementation Conformance Statement (PICS)" |
| **TS 101 596-2**  IMS Network Testing (INT); Terminating Identification Presentation (TIP) and Terminating Identification Restriction (TIR) using IP Multimedia (IM) Core Network (CN) subsystem; Conformance Testing Part 2: Test Suite Structure and Test Purposes (TSS&TP) | **—** |
| **TS 186 007-1**  Technical Committee for IMS Network Testing (INT); Communication HOLD (HOLD) using IP Multimedia (IM) Core Network (CN) subsystem; Conformance Testing; Part 1: PICS | **—** |
| **TS 186 007-2**  Technical Committee for IMS Network Testing (INT); Communication HOLD (HOLD) using IP Multimedia (IM) Core Network (CN) subsystem; Conformance Testing; Part 2: Test Suite Structure and Test Purposes (TSS&TP) Communication HOLD (CH); (TSS&TP) | **—** |
| **TS 186 007-3**  IMS Network Testing (INT);  Communication HOLD (HOLD) using IP Multimedia (IM) Core Network (CN) subsystem; Conformance Testing;  Part 3: Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification | **—** |
| [**TS 186 014-1**](http://webapp.etsi.org/WorkProgram/Report_WorkItem.asp?WKI_ID=35171&curItemNr=26&totalNrItems=36&optDisplay=50&titleType=all&qSORT=HIGHVERSION&qETSI_ALL=&SearchPage=TRUE&qTB_ID=715%3BINT&qINCLUDE_SUB_TB=True&qRAPTR_NAME=Schmitting&qINCLUDE_MOVED_ON=&qSTOP_FLG=N&qKEYWORD_BOOLEAN=OR&qSTOPPING_OUTDATED=&butExpertSearch=Search&includeNonActiveTB=FALSE&includeSubProjectCode=FALSE&qREPORT_TYPE=SUMMARY)  Technical Committee for IMS Network Testing (INT); PSTN/ISDN simulation services; Communication Diversion (CDIV); Part 1: PICS | **—** |
| [**TS 186 014-2**](http://webapp.etsi.org/WorkProgram/Report_WorkItem.asp?WKI_ID=35171&curItemNr=26&totalNrItems=36&optDisplay=50&titleType=all&qSORT=HIGHVERSION&qETSI_ALL=&SearchPage=TRUE&qTB_ID=715%3BINT&qINCLUDE_SUB_TB=True&qRAPTR_NAME=Schmitting&qINCLUDE_MOVED_ON=&qSTOP_FLG=N&qKEYWORD_BOOLEAN=OR&qSTOPPING_OUTDATED=&butExpertSearch=Search&includeNonActiveTB=FALSE&includeSubProjectCode=FALSE&qREPORT_TYPE=SUMMARY)  Technical Committee for IMS Network Testing (INT); PSTN/ISDN simulation services; Communication Diversion (CDIV); Part 2: Test Suite Structure and Test Purposes (TSS&TP) Communication Diversion (CDIV); TSS&TP | **—** |
| [**TS 186 014-**](http://webapp.etsi.org/WorkProgram/Report_WorkItem.asp?WKI_ID=35171&curItemNr=26&totalNrItems=36&optDisplay=50&titleType=all&qSORT=HIGHVERSION&qETSI_ALL=&SearchPage=TRUE&qTB_ID=715%3BINT&qINCLUDE_SUB_TB=True&qRAPTR_NAME=Schmitting&qINCLUDE_MOVED_ON=&qSTOP_FLG=N&qKEYWORD_BOOLEAN=OR&qSTOPPING_OUTDATED=&butExpertSearch=Search&includeNonActiveTB=FALSE&includeSubProjectCode=FALSE&qREPORT_TYPE=SUMMARY)**3**  IMS Network Testing (INT);  Communication Diversion (CDIV) using IP Multimedia (IM) Core Network (CN) subsystem; Conformance Testing;  Part 3: Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification | **—** |
| **TS 186 022-1**  Technical Committee for IMS Network Testing (INT); Communication Waiting (CW) using IP Multimedia (IM) Core Network (CN) subsystem; Conformance Testing; Part 1: PICS | **—** |
| **TS 186 022-2**  Technical Committee for IMS Network Testing (INT); Communication Waiting (CW) using IP Multimedia (IM) Core Network (CN) subsystem; Conformance Testing; Part 2: Test Suite Structure and Test Purposes (TSS&TP) Communication Waiting (CW) Testing; TSS&TP | **—** |
| **TS 186 022-3**  IMS Network Testing (INT);  Communication Waiting (CW) using IP Multimedia (IM) Core Network (CN) subsystem; Conformance Testing;  Part 3: Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification | **—** |
| [**TS 101 597-1**](http://webapp.etsi.org/WorkProgram/Report_WorkItem.asp?WKI_ID=38380&curItemNr=16&totalNrItems=29&optDisplay=29&titleType=all&qSORT=HIGHVERSION&qETSI_ALL=&SearchPage=TRUE&qETSI_STANDARD_TYPE=%27TS%27&qTB_ID=715%3BINT&qINCLUDE_SUB_TB=True&qRAPTR_NAME=Ott&qINCLUDE_MOVED_ON=&qSTOP_FLG=N&qKEYWORD_BOOLEAN=OR&qSTOPPING_OUTDATED=&butExpertSearch=Search&includeNonActiveTB=FALSE&includeSubProjectCode=FALSE&qREPORT_TYPE=SUMMARY)  IMS Network Testing (INT); Closed User Group (CUG) using IP Multimedia (IM) Core Network (CN) subsystem; Conformance Test Specification; (3GPP Release 10); Part 1:PICS | **—** |
| [**TS 101 597-2**](http://webapp.etsi.org/WorkProgram/Report_WorkItem.asp?WKI_ID=38380&curItemNr=16&totalNrItems=29&optDisplay=29&titleType=all&qSORT=HIGHVERSION&qETSI_ALL=&SearchPage=TRUE&qETSI_STANDARD_TYPE=%27TS%27&qTB_ID=715%3BINT&qINCLUDE_SUB_TB=True&qRAPTR_NAME=Ott&qINCLUDE_MOVED_ON=&qSTOP_FLG=N&qKEYWORD_BOOLEAN=OR&qSTOPPING_OUTDATED=&butExpertSearch=Search&includeNonActiveTB=FALSE&includeSubProjectCode=FALSE&qREPORT_TYPE=SUMMARY)  IMS Network Testing (INT); Closed User Group (CUG) using IP Multimedia (IM) Core Network (CN) subsystem; Conformance Test Specification; (3GPP Release 10); Part 2: Test Suite Structure and Test Purposes (TSS&TP) | **—** |
| [**TS 186 017-1**](http://webapp.etsi.org/WorkProgram/Report_WorkItem.asp?WKI_ID=38378&curItemNr=4&totalNrItems=29&optDisplay=29&titleType=all&qSORT=HIGHVERSION&qETSI_ALL=&SearchPage=TRUE&qETSI_STANDARD_TYPE=%27TS%27&qTB_ID=715%3BINT&qINCLUDE_SUB_TB=True&qRAPTR_NAME=Ott&qINCLUDE_MOVED_ON=&qSTOP_FLG=N&qKEYWORD_BOOLEAN=OR&qSTOPPING_OUTDATED=&butExpertSearch=Search&includeNonActiveTB=FALSE&includeSubProjectCode=FALSE&qREPORT_TYPE=SUMMARY)  IMS Network Testing (INT); Anonymous Communication Rejection (ACR) and Communication Barring (CB) using IP Multimedia (IM) Core Network (CN) subsystem; 3GPP Release 10; Conformance Test Specification; Part 1: PICS | **—** |
| [**TS 186 017-2**](http://webapp.etsi.org/WorkProgram/Report_WorkItem.asp?WKI_ID=38378&curItemNr=4&totalNrItems=29&optDisplay=29&titleType=all&qSORT=HIGHVERSION&qETSI_ALL=&SearchPage=TRUE&qETSI_STANDARD_TYPE=%27TS%27&qTB_ID=715%3BINT&qINCLUDE_SUB_TB=True&qRAPTR_NAME=Ott&qINCLUDE_MOVED_ON=&qSTOP_FLG=N&qKEYWORD_BOOLEAN=OR&qSTOPPING_OUTDATED=&butExpertSearch=Search&includeNonActiveTB=FALSE&includeSubProjectCode=FALSE&qREPORT_TYPE=SUMMARY)  IMS Network Testing (INT); Anonymous Communication Rejection (ACR) and Communication Barring (CB) using IP Multimedia (IM) Core Network (CN) subsystem; 3GPP Release 10; Conformance Test Specification; Part 2: Test Suite Structure and Test Purposes (TSS&TP) | **—** |
| [**TS 186 017-3**](http://webapp.etsi.org/WorkProgram/Report_WorkItem.asp?WKI_ID=38378&curItemNr=4&totalNrItems=29&optDisplay=29&titleType=all&qSORT=HIGHVERSION&qETSI_ALL=&SearchPage=TRUE&qETSI_STANDARD_TYPE=%27TS%27&qTB_ID=715%3BINT&qINCLUDE_SUB_TB=True&qRAPTR_NAME=Ott&qINCLUDE_MOVED_ON=&qSTOP_FLG=N&qKEYWORD_BOOLEAN=OR&qSTOPPING_OUTDATED=&butExpertSearch=Search&includeNonActiveTB=FALSE&includeSubProjectCode=FALSE&qREPORT_TYPE=SUMMARY)  Technical Committee for IMS Network Testing (INT); Anonymous Communication Rejection (ACR) and Communication Barring (CB) conformance testing; Part 3: Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification | **—** |
| **TS 101 595-1**  IMS Network Testing (INT); Malicious Communication Identification (MCID) using IP Multimedia (IM) Core Network (CN) subsystem; Conformance Testing Part 1: PICS | **—** |
| **TS 101 595-2**  IMS Network Testing (INT); Malicious Communication Identification (MCID) using IP Multimedia (IM) Core Network (CN) subsystem; Conformance Testing Part 2: Test Suite Structure and Test Purposes (TSS&TP) | **—** |
| **TS 101 588-1**  IMS Network Testing (INT); Completion of Communications to Busy Subscriber (CCBS) and Completion of Communications by No Reply (CCNR) using IP Multimedia (IM) Core Network (CN) subsystem 3GPP Release 10; Conformance Test Specification; Part 1: PICS | **—** |
| **TS 101 588-2**  IMS Network Testing (INT); Completion of Communications to Busy Subscriber (CCBS) and Completion of Communications by No Reply (CCNR) using IP Multimedia (IM) Core Network (CN) subsystem 3GPP Release 10; Conformance Test Specification; Part 2: Test Suite Structure and Test Purposes (TSS&TP) | **—** |
| **TS 102 891-1**  Technical Committee for IMS Network Testing (INT); Message Waiting Indication (MWI) using IP Multimedia (IM) Core Network (CN) subsystem; Part 1:PICS | **—** |
| **TS 102 891-2**  Technical Committee for IMS Network Testing (INT); Message Waiting Indication (MWI) using IP Multimedia (IM) Core Network (CN) subsystem; Part 2: Test Suite Structure and Test Purposes (TSS&TP) Message Waiting Indication (MWI) TSS&TP | **—** |
| **TS 102 891-3**  IMS Network Testing (INT);  Message Waiting Indication (MWI) using IP Multimedia (IM) Core Network (CN) subsystem; Conformance Testing;  Part 3: Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification | **—** |
| **TS 186 010-1**  Technical Committee for IMS Network Testing (INT); Conference (CONF) using IP Multimedia (IM) Core Network (CN) subsystem; Conformance Testing; Part 2: Test Suite Structure and Test Purposes (TSS&TP) Conference (CONF); PICS | **—** |
| **TS 186 010-2**  Technical Committee for IMS Network Testing (INT); Conference (CONF) using IP Multimedia (IM) Core Network (CN) subsystem; Conformance Testing; Part 2: Test Suite Structure and Test Purposes (TSS&TP) Conference (CONF); TSS&TP | **—** |
| **TS 186 010-3**  IMS Network Testing (INT);  Conference (CONF) using  IP Multimedia (IM) Core Network (CN) subsystem; Conformance Testing;  Part 3: Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification | **—** |
| **TS 186 017-1**  IMS Network Testing (INT); Anonymous Communication Rejection (ACR) and Communication Barring (CB) using IP Multimedia (IM) Core Network (CN) subsystem 3GPP Release 10; Conformance Test Specification; Part 1: PICS | **—** |
| **TS 186 017-2**  IMS Network Testing (INT); Anonymous Communication Rejection (ACR) and Communication Barring (CB) using IP Multimedia (IM) Core Network (CN) subsystem 3GPP Release 10; Conformance Test Specification; Part 2: Test Suite Structure and Test Purposes (TSS&TP) | **—** |
| **TS 186 017-3**  Technical Committee for IMS Network Testing (INT); Anonymous Communication Rejection (ACR) and Communication Barring (CB) conformance testing; Part 3: Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification | **—** |
| **TS 101 594-1**  Explicit Communication Transfer (ECT) using IP Multimedia (IM) Core Network (CN) subsystem; Conformance Test Specification (3GPP Release 10);  Part 1:PICS | **—** |
| **TS 101 594-2**  Explicit Communication Transfer (ECT) using IP Multimedia (IM) Core Network (CN) subsystem; Conformance Test Specification (3GPP Release 10);  Part 2: Test Suite Structure and Test Purposes (TSS&TP) | **—** |
| **—** | [Q.3945 Test specifications for next generation network services on model networks - Test set 1](http://www.itu.int/ITU-T/recommendations/rec.aspx?rec=11438) |
| **—** | [Q.3948 Service testing framework for VoIP at the user-to-network interface of next generation networks](http://www.itu.int/ITU-T/recommendations/rec.aspx?rec=11360) |
| **—** | [Q.3949 Real-time multimedia service testing framework at the user-to-network interface of next generation networks](http://www.itu.int/ITU-T/recommendations/rec.aspx?rec=11718) |
| **ETSI test suites (draft)** | **Test suites (draft)** |
| **—** | [Q.NGN](http://www.itu.int/md/T13-SG11-C-0029/en) Net. Conf-OIP-OIR TSS&TP "Originating Identification Presentation (OIP) and Originating Identification Restriction (OIR); Conformance Tests Specification, Network side, Part 2: Test Suite Structure and Test Purposes (TSS&TP)"  Draft Q.OIP/OIR  Draft Q.TIP/TIR |
|  | **Interworking of signalling protocols of NGN** | Martin Brand  Vice-chairman of SG11  (Austria)  [martin.brand@A1telekom.at](mailto:martin.brand@A1telekom.at)  Gerhard Ott  (Germany)  [gerhard.ott@telekom.de](mailto:gerhard.ott@telekom.de)  Dmitry Tarasov  (Russia)  [tarasov@zniis.ru](mailto:tarasov@zniis.ru) | ETSI | **ETSI requirements (in force)** | **Requirements (in force)** |
| ETSI TS 1[29.162](http://www.3gpp.org/ftp/Specs/html-info/29162.htm) /3 GPP TS [29.162](http://www.3gpp.org/ftp/Specs/html-info/29162.htm)  Interworking between the IM CN subsystem and IP networks |  |
| ETSI TS 1[29.163](http://www.3gpp.org/ftp/Specs/html-info/29163.htm) / 3GPP 29 163  Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks |  |
| ETSI TS 1[29.164](http://www.3gpp.org/ftp/Specs/html-info/29163.htm) / 3GPP 29 164  Interworking between the 3GPP CS domain with BICC or ISUP as signalling protocol and external SIP-I networks |  |
| ETSI TS 1[29.165](http://www.3gpp.org/ftp/Specs/html-info/29163.htm) / 3GPP 29 165  Inter-IMS Network to Network Interface (NNI) |  |
| **—** | **Q.1912.5**  Interworking between Session Initiation Protocol (SIP) and Bearer Independent Call Control protocol or ISDN User Part |
| **ETSI requirements (draft)** | **Requirements (in force)** |
| **—** | Q.3401 NGN NNI signalling profile  Q.3402 NGN UNI signalling profile |
| **ETSI Test suites (in force)** | **Test suites (draft)** |
|  |  |
|  | **Interworking tests of signalling protocols** | Martin Brand  Vice-chairman of SG11  (Austria)  [martin.brand@A1telekom.at](mailto:martin.brand@A1telekom.at)  Gerhard Ott  (Germany)  [gerhard.ott@telekom.de](mailto:gerhard.ott@telekom.de)  Dmitry Tarasov  (Russia)  [tarasov@zniis.ru](mailto:tarasov@zniis.ru) | ETSI | **ETSI requirements (in force)** | **Requirements (in force)** |
| **ETSI TS 186 002-1**  Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN);Interworking between Session Initiation Protocol (SIP) and Bearer Independent Call Control Protocol (BICC) or ISDN User Part (ISUP);Part 1: Protocol Implementation Conformance Statement (PICS) | **Q.1912.5 B**  Interworking between session initiation protocol (SIP) and bearer independent call control protocol (BICC) or ISDN user part (ISUP): Protocol implementation conformance statement (PICS) |
| **ETSI TS 186 002-2**  Telecommunications and Internet Converged Services and Protocols for Advanced Networking (TISPAN);Interworking between Session Initiation Protocol (SIP) and Bearer Independent Call Control Protocol (BICC) or ISDN User Part (ISUP);Part 2: Test Suite Structure and Test Purposes (TSS&TP) for Profile A and B | **Q.1912.5 C**  Interworking between session initiation protocol (SIP) and bearer independent call control protocol (BICC) or ISDN user part (ISUP): Test suite structure and test purposes (TSS&TP) for profiles A and B |
| **ETSI TS 186 002-3**  Telecommunications and Internet Converged Services and Protocols for Advanced Networking (TISPAN);Interworking between Session Initiation Protocol (SIP) and Bearer Independent Call Control Protocol (BICC) or ISDN User Part (ISUP);Part 3: Test Suite Structure and Test Purposes (TSS&TP) for Profile C | **Q.1912.5 D**  Interworking between session initiation protocol (SIP) and bearer independent call control protocol (BICC) or ISDN user part (ISUP): Test suite structure and test purposes (TSS&TP) for profile C |
|  |  |  | **ETSI TS 186 002-4**  Telecommunications and Internet Converged Services and Protocols for Advanced Networking (TISPAN);Interworking between Session Initiation Protocol (SIP) and Bearer Independent Call Control Protocol (BICC) or ISDN User Part (ISUP);Part 4: Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) for Profiles A and B | **Q.1912.5 E**  Interworking between session initiation protocol (SIP) and bearer independent call control protocol (BICC) or ISDN user part (ISUP): Abstract test suite (ATS) and partial protocol implementation extra information for testing (PIXIT) for profiles A and B |
|  |  |  | **ETSI TS 186 002-5**  Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN);Interworking between Session Initiation Protocol (SIP) and Bearer Independent Call Control Protocol (BICC) or ISDN UserPart (ISUP);Part 5: Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) for Profile C | **Q.1912.5 F**  Interworking between session initiation protocol (SIP) and bearer independent call control protocol (BICC) or ISDN user part (ISUP): Abstract test suite (ATS) and partial protocol implementation extra information for testing (PIXIT) for profile C |
|  |  |  | [**TS 102 710-1**](http://webapp.etsi.org/WorkProgram/Report_WorkItem.asp?WKI_ID=38937&curItemNr=29&totalNrItems=29&optDisplay=29&titleType=all&qSORT=HIGHVERSION&qETSI_ALL=&SearchPage=TRUE&qETSI_STANDARD_TYPE=%27TS%27&qTB_ID=715%3BINT&qINCLUDE_SUB_TB=True&qRAPTR_NAME=Ott&qINCLUDE_MOVED_ON=&qSTOP_FLG=N&qKEYWORD_BOOLEAN=OR&qSTOPPING_OUTDATED=&butExpertSearch=Search&includeNonActiveTB=FALSE&includeSubProjectCode=FALSE&qREPORT_TYPE=SUMMARY)  IMS Network Testing (INT); Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks (Release 8); Part 1: PICS |  |
|  |  |  | [**TS 102 710-2**](http://webapp.etsi.org/WorkProgram/Report_WorkItem.asp?WKI_ID=38937&curItemNr=29&totalNrItems=29&optDisplay=29&titleType=all&qSORT=HIGHVERSION&qETSI_ALL=&SearchPage=TRUE&qETSI_STANDARD_TYPE=%27TS%27&qTB_ID=715%3BINT&qINCLUDE_SUB_TB=True&qRAPTR_NAME=Ott&qINCLUDE_MOVED_ON=&qSTOP_FLG=N&qKEYWORD_BOOLEAN=OR&qSTOPPING_OUTDATED=&butExpertSearch=Search&includeNonActiveTB=FALSE&includeSubProjectCode=FALSE&qREPORT_TYPE=SUMMARY)  IMS Network Testing (INT); Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks (Release 8); Part 2: Test Suite Structure and Test Purposes (TSS&TP) |  |
|  |  |  | **TS 101 572-2**  IMS Network Testing (INT); Interworking between SIP-I based circuit-switched core network and other networks Part 2: TSS&TP Conformance tests according to 3GPP 29.235; Part 2: TSS&TP |  |
|  |  |  | **TS 102 709-2**  Technical Committee for IMS Network Testing (INT);  Interworking between the 3GPP Cs domain with BICC or ISUP as signalling protocol and external SIP-I networks;  Part 2: Test Suite Structure and Test Purposes (TSS&TP) |  |
|  | **RFID** | Yong-Woon KIM  (Korea)  [qkim@etri.re.kr](mailto:qkim@etri.re.kr) | JCA-IoT | **SDOs Requirements (in force)** | **Requirements (in force)** |
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| **SDOs Test suites (in force)** | **Test suites (in force)** |
| — | [Q.3950 Testing and model network architecture for tag-based identification systems and functions](http://www.itu.int/ITU-T/recommendations/rec.aspx?rec=11439) |

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|  | **Internet speed access** | Andrey Koucheryavy  (Russia)  [akouch@mail.ru](mailto:akouch@mail.ru)  Dmitry Tarasov  (Russia)  [tarasov@zniis.ru](mailto:tarasov@zniis.ru)  Victor Shalaginov  (Russia)  shalaginov@zniis.ru |  | **SDOs Requirements (in force)** | **Requirements (in force)** |
| — | **—** |
| **SDOs Test suites (in force)** | **Test suites (draft)** |
| — | [Draft Q.InSpMs](http://www.itu.int/md/T13-SG11-C-0044/en) "The Framework and protocol requirements for testing of Internet speed access and speed on interconnection among carriers networks" |
|  | **Internet Access as perceived by user** | Eva Ibarrola  (Spain)  [eva.ibarrola@ehu.es](mailto:eva.ibarrola@ehu.es)  Armando Ferro  (Spain)  [armando.ferro@ehu.es](mailto:armando.ferro@ehu.es)  Jose Luis Jodra  (Spain)  [Joseluis.jodra@ehu.es](mailto:Joseluis.jodra@ehu.es)  Eduardo Saiz (Spain)  (Spain)  [eduardo.saiz@ehu.es](mailto:eduardo.saiz@ehu.es) | ETSI, ITU-T (SG12) | **ETSI Requirements (in force)** | **ITU Requirements (in force)** |
| **ETSI EG 202 057-4 V1.2.1 (2008-07)**  Speech Processing, Transmission and Quality Aspects (STQ); User related QoS parameter definitions and measurements; Part 4: Internet access | [G.1000](http://www.itu.int/ITU-T/recommendations/rec.aspx?rec=5597) Communications Quality of Service: A framework and definitions |
| **SDOs Test suites (in force)** | **ITU Test suites (in force)** |
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