



**Core Network and Interoperability Testing (INT);  
Network Integration Testing between SIP and  
ISDN/PSTN network signalling protocols;  
Part 1: Test Suite Structure and  
Test Purposes (TSS&TP) for SIP-ISDN**

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Reference

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Keywords

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## Foreword

This Technical Specification (TS) has been produced by ETSI Technical Committee Core Network and Interoperability Testing (INT).

The present document is part 1 of a multi-part deliverable covering Network Integration Testing between SIP and ISDN/PSTN network signalling protocols, as identified below:

- Part 1:** "Test Suite Structure and Test Purposes (TSS&TP) for SIP-ISDN";
- Part 2: "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification";
- Part 3: "Test Suite Structure and Test Purposes (TSS&TP) for SIP-SIP";
- Part 4: "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification";
- Part 5: "Test Suite Structure and Test Purposes (TSS&TP) for Network Integration Tests between ISDN-ISDN and ISDN-PSTN over SIP II NNI / SIP-I NNI".

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## Modal verbs terminology

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# 1 Scope

The present document specifies the Test Suite Structure and Test Purposes (TSS&TP) for Network Integration Testing (NIT) to verify the overall compatibility of SIP, ISDN and non-ISDN (PSTN) over the national or international ISDN networks. The TSS&TP specification covers the procedures described in Recommendation ITU-T Q.1912.5 [51] or ETSI EN 383 001 [49] or ETSI TS 129 163 [i.20] and ETSI EN 300 899-1 [23]. For SIP and SDP specific terminology, the references are ETSI TS 124 229 [55] and IETF RFC 3261 [28].

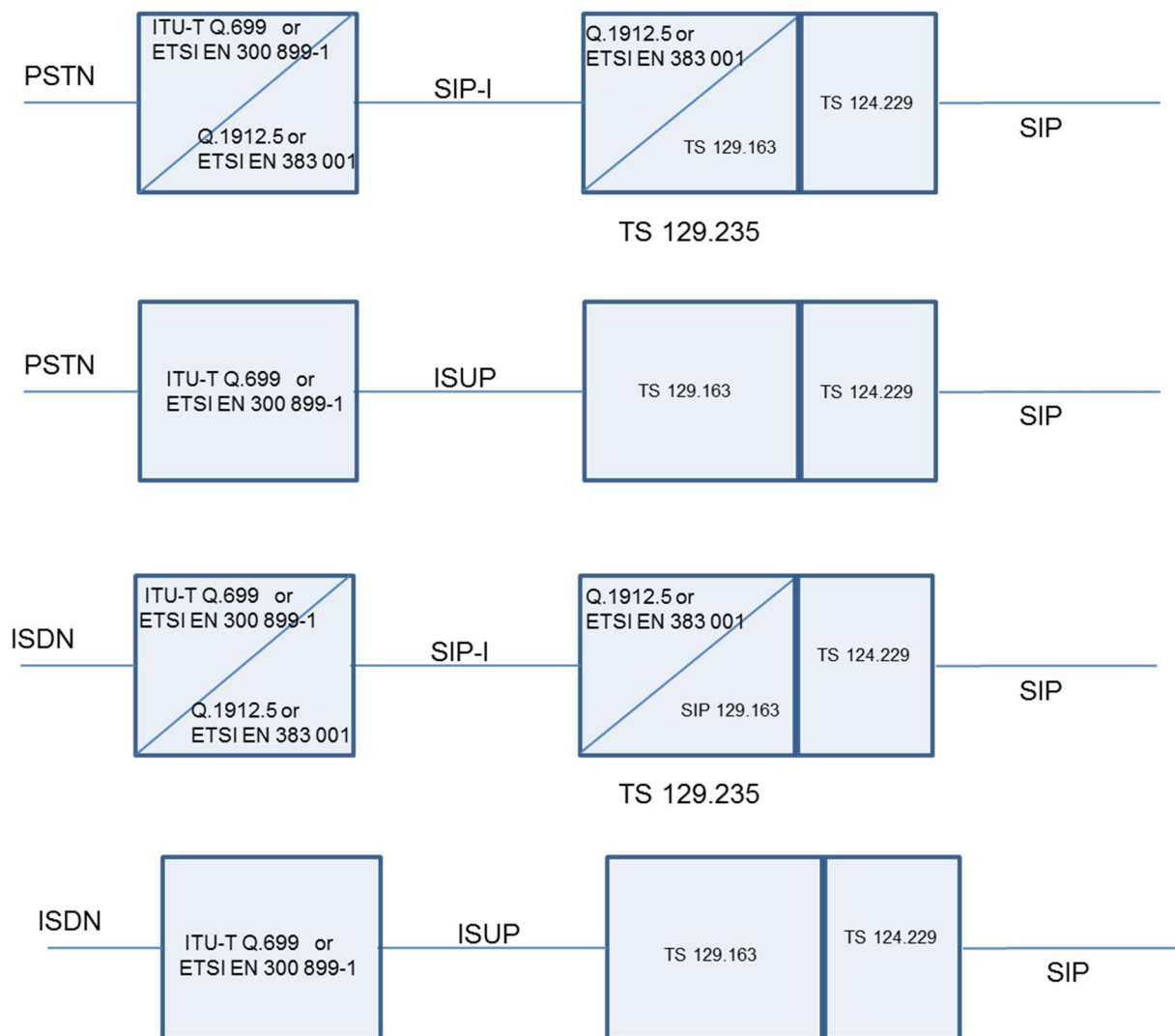


Figure 1: SIP-ISDN and SIP-PSTN inter-working testing architecture with SIP-I and ISUP