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SERIES Q: SWITCHING AND SIGNALLING

Broadband ISDN – B-ISDN application protocols for
access signalling

**Digital subscriber signalling system No. 2 –
Connection characteristics negotiation during
call/connection establishment phase: Test Suite
Structure and Test Purposes (TSS & TP) for the
network**

ITU-T Recommendation Q.2962 E

(Formerly CCITT Recommendation)

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 AND No. 5	Q.120–Q.249
SPECIFICATIONS OF SIGNALLING SYSTEM No. 6	Q.250–Q.309
SPECIFICATIONS OF SIGNALLING SYSTEM R1	Q.310–Q.399
SPECIFICATIONS OF SIGNALLING SYSTEM R2	Q.400–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
BROADBAND ISDN	Q.2000–Q.2999
General aspects	Q.2000–Q.2099
Signalling ATM adaptation layer (SAAL)	Q.2100–Q.2199
Signalling network protocols	Q.2200–Q.2299
Common aspects of B-ISDN application protocols for access signalling and network signalling and interworking	Q.2600–Q.2699
B-ISDN application protocols for the network signalling	Q.2700–Q.2899
B-ISDN application protocols for access signalling	Q.2900–Q.2999

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

Digital subscriber signalling system No. 2 – Connection characteristics negotiation during call/connection establishment phase: Test Suite Structure and Test Purposes (TSS & TP) for the network

Summary

This Recommendation specifies the Test Suite Structure and Test Purposes (TSS & TP) for the network at the T_B reference point or coincident S_B and T_B reference point (as defined in ITU-T I.413 [2]) of implementations conforming to the procedures for the handling of the connection characteristics negotiation during call/connection establishment phase of the Digital Subscriber Signalling System No. 2 (DSS2) protocol for the Broadband Integrated Services Digital Network (B-ISDN), ITU-T Q.2962 [1].

Other Recommendations of the Q.2962 family specify the Protocol Implementation Conformance Statement (PICS) proforma and Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma based on this Recommendation.

NOTE – This Recommendation related to protocol conformance is published only in English; it is based on an external SDO's standard published in English.

Source

ITU-T Recommendation Q.2962 E was prepared by ITU-T Study Group 11 (2001-2004) and approved under the WTSC Resolution 1 procedure on 6 December 2000 .

FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications. 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 Conference (WTSC), 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 WTSC 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.

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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.

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CONTENTS

	Page
1 Scope.....	1
2 References.....	1
3 Endorsement	2
4 Coverage	2
5 Modifications	2
Appendix I – Bibliography	2

ITU-T Recommendation Q.2962 E

Digital subscriber signalling system No. 2 – Connection characteristics negotiation during call/connection establishment phase: Test Suite Structure and Test Purposes (TSS & TP) for the network

1 Scope

This Recommendation specifies the Test Suite Structure and Test Purposes (TSS & TP) for the network at the T_B reference point or coincident S_B and T_B reference point (as defined in ITU-T I.413 [2]) of implementations conforming to the procedures for the handling of the connection characteristics negotiation during call/connection establishment phase of the Digital Subscriber Signalling System No. 2 (DSS2) protocol for the Broadband Integrated Services Digital Network (B-ISDN), ITU-T Q.2962 [1].

Other Recommendations of the Q.2962 family specify the Protocol Implementation Conformance Statement (PICS) proforma and Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma based on this Recommendation.

This Recommendation is applicable to equipment, supporting connection characteristics negotiation during call/connection establishment phase, to be attached at either side of a T_B reference point or coincident S_B and T_B reference point when used as an access to the public B-ISDN.

The test suite structure provides the grouping of tests in the test suite, the test purposes part is a list of test purposes realized in the ATS part of the Recommendation. Test purposes are generated from the protocol specification, refer to observable events only but give no guarantee that each test purpose defined is testable. Untestable test purposes are identified in the ATS part.

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; all 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.

- [1] ITU-T Q.2962 (1998), *Digital subscriber signalling system No. 2 – Connection characteristics negotiation during call/connection establishment phase.*
- [2] ITU-T I.413 (1993), *B-ISDN user-network interface.*
- [3] ETSI EN 301 067-5 V1.2.1 (2000), *Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Connection characteristics; Negotiation during call/connection establishment phase; Part 5: Test Suite Structure and Test Purposes (TSS&TP) specification for the network.*
- [4] ITU-T Q.2931 (1995), *Digital Subscriber Signalling System No. 2 – User-Network Interface (UNI) layer 3 specification for basic call/connection control.*
- [5] ITU-T Q.2962 B (2000), *Digital subscriber signalling system No. 2 – Connection characteristics negotiation during call/connection establishment phase: Protocol Implementation Conformance Statement (PICS) proforma.*

3 Endorsement

The text of ETSI EN 301 067-5 [3] was approved by ITU-T as Recommendation Q.2962 E with agreed modifications as given below.

4 Coverage

This part of the Recommendation covers ITU-T Q.2962 [1].

5 Modifications

Throughout the text of ETSI EN 301 067-5 [3] replace references and text as shown in the following table:

Reference in ETSI EN 301 067-5	Modified reference
EN 301 067-1	ITU-T Q.2962
EN 300 443-1 [A]	ITU-T Q.2931 [4]
EN 301 067-2 [C]	ITU-T Q.2962 B [5]
Standard	Recommendation

Page 4, Intellectual Property Rights

Delete the whole section.

Page 4, Foreword

Delete the whole Foreword.

NOTE – It is replaced by the Foreword of this Recommendation.

Page 5, Clause 1 Scope

Replace the whole clause with the following:

"1 Scope

See clause 1 Scope of this Recommendation above."

Page 19, History

Delete the whole clause "History".

APPENDIX I

Bibliography

- [A] ETSI EN 300 443-1 V1.3.5 (1998), *Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; B-ISDN user-network interface layer 3 specification for basic call/bearer control; Part 1: Protocol specification.*
- [B] ETSI EN 301 067-1 V1.1.3 (1999), *Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Connection characteristics; Negotiation during call/connection establishment phase; Part 1: Protocol specification.*
- [C] ETSI 301 067-2 V1.1.3 (1999), *Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Connection characteristics;*

Negotiation during call/connection establishment phase; Part 2: Protocol Implementation Conformance Statement (PICS) proforma.

- [D] ETSI EN 301 067-3 V1.2.1 (2000), *Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Connection characteristics; Negotiation during call/connection establishment phase; Part 3: Test Suite Structure and Test Purposes (TSS&TP) specification for the user.*
- [E] ETSI EN 301 067-4 V2.1.1 (2000), *Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Connection characteristics; Negotiation during call/connection establishment phase; Part 4: Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma for the user.*
- [F] ETSI EN 301 067-6 V2.1.1 (2000), *Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Connection characteristics; Negotiation during call/connection establishment phase; Part 6: Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma for the network.*

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Series A	Organization of the work of ITU-T
Series B	Means of expression: definitions, symbols, classification
Series C	General telecommunication statistics
Series D	General tariff principles
Series E	Overall network operation, telephone service, service operation and human factors
Series F	Non-telephone telecommunication services
Series G	Transmission systems and media, digital systems and networks
Series H	Audiovisual and multimedia systems
Series I	Integrated services digital network
Series J	Transmission of television, sound programme and other multimedia signals
Series K	Protection against interference
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Series O	Specifications of measuring equipment
Series P	Telephone transmission quality, telephone installations, local line networks
Series Q	Switching and signalling
Series R	Telegraph transmission
Series S	Telegraph services terminal equipment
Series T	Terminals for telematic services
Series U	Telegraph switching
Series V	Data communication over the telephone network
Series X	Data networks and open system communications
Series Y	Global information infrastructure and Internet protocol aspects
Series Z	Languages and general software aspects for telecommunication systems