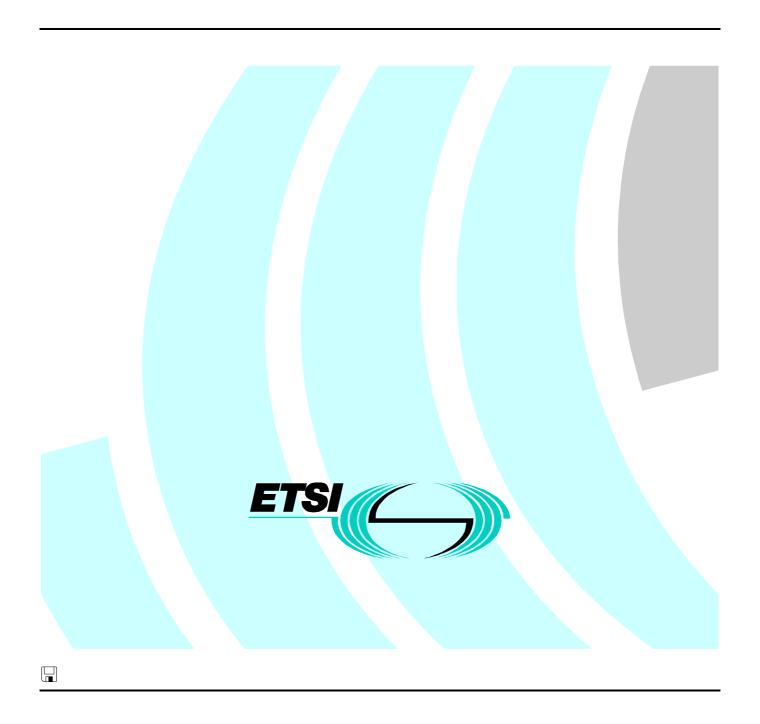
Final draft ETSI EN 301 490-2 V1.1.1 (2000-10)

European Standard (Telecommunications series)

Private Integrated Services Network (PISN);
Inter-exchange signalling protocol;
Call transfer supplementary service
for the VPN "b" service entry point;
Part 2: Abstract Test Suite (ATS) and partial Protocol
Implementation eXtra Information for Testing (PIXIT)
proforma



Reference

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Keywords

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Foreword

This European Standard (Telecommunications series) has been produced by ETSI Technical Committee Services and Protocols for Advanced Networks (SPAN), and is now submitted for the Vote phase of the ETSI standards Two-step Approval Procedure.

The present document is part 2 for a multi-part deliverable covering the Inter-exchange signalling protocol for Call Transfer supplementary service for the VPN "b" service entry point, as described below:

Part 1: "Test Suite Structure and Test Purposes (TSS&TP) specification";

Part 2: "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma".

Proposed national transposition da	ites
Date of latest announcement of this EN (doa):	3 months after ETSI publication
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	6 months after doa
Date of withdrawal of any conflicting National Standard (dow):	6 months after doa

1 Scope

The present document specifies the Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma for the VPN "b" reference point of implementations conforming to the standard for the Call Transfer supplementary service (SS-CT) as described in ETS 300 261 [1].

EN 301 490-1 [5] specifies the Test Suite Structure and Test Purposes (TSS&TP) related to this ATS and partial PIXIT proforma specification.

2 References

The following documents contain provisions, which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies.
- A non-specific reference to an ETS shall also be taken to refer to later versions published as an EN with the same number.
- [1] ETSI ETS 300 261 (1995): "Private Integrated Services Network (PISN); Inter-exchange signalling protocol; Call transfer supplementary service [ISO/IEC 13869 (1995) modified]".
- [2] ISO/IEC 9646-2 (1994): "Information technology; Open Systems Interconnection; Conformance testing methodology and framework; Part 2: Abstract test suite specification".
- [3] ETSI TR 101 101 (V1.1.1): "Methods for Testing and Specification (MTS); TTCN interim version including ASN.1 1994 support [ISO/IEC 9646-3] (Second Edition Mock-up for JTC1/SC21 Review)".
- [4] ISO/IEC 8825-1 (1994): "Information technology Encoding Rules for Abstract Syntax Notation One (ASN.1) Part 1: Specification of Basic Encoding Rules (BER), Canonical Encoding Rules (CER) and Distinguished Encoding Rules (DER)". (See also ITU-T Recommendation X.690).
- [5] ETSI EN 301 490-1: "Private Integrated Services Network (PISN); Inter-exchange signalling protocol; Call transfer supplementary service for the VPN "b" service entry point; Part 1: Test Suite Structure and Test Purposes (TSS&TP) specification".
- [6] ISO/IEC 9646 (all parts): "Information technology Open Systems Interconnection Conformance testing methodology and framework".
- [7] ISO/IEC 9646-3: "Information technology Open Systems Interconnection Conformance testing methodology and framework Part 3: The Tree and Tabular Combined Notation (TTCN)".
- [8] ISO/IEC 9646-5: "Information technology Open Systems Interconnection Conformance testing methodology and framework Part 5: Requirements on test laboratories and clients for the conformance assessment".
- [9] ISO/IEC 9646-4: "Information technology Open Systems Interconnection Conformance testing methodology and framework Part 4: Test realization".

3 Definitions and abbreviations

3.1 Definitions

For the purposes of the present document, the terms and definitions given in ISO/IEC 9646 [6] apply.

3.2 Abbreviations

For the purposes of the present document, the following abbreviations apply:

ATM Abstract Test Method
ATS Abstract Test Suite
BER Basic Encoding Rules
ETS Executable Test Suite
IUT Implementation Under Test

MOT Means Of Testing
MTC Main Test Component

PCO Point of Control and Observation
PCTR Protocol Conformance Test Report

PDU Protocol Data Unit

PICS Protocol Implementation Conformance Statement
PIXIT Protocol Implementation eXtra Information for Testing

PTC Parallel Test Component

SS-CT Call Transfer Supplementary Service

SUT System Under Test TP Test Purpose

TTCN Tree and Tabular Combined Notation

VPN Virtual Private Network

4 Abstract Test Method (ATM)

4.1 Description of ATM used

The multi-party test method is applied for testing the IUT. The general configuration used is shown in figure 1.

A Point of Control and Observation (PCO) resides at the service access point between layers 2 and 3 in the test system. The PCO used by the MTC is named "L0" (for Lower) and the PCO used by the PTC is named "L1". These PCOs are used to control and observe the behaviour of the Implementation Under Test (IUT) and test case verdicts are assigned depending on the behaviour observed at these PCOs.

A third "informal" PCO, called "O" (for Operator) is used to specify control but not observation above the IUT; events at this PCO are never used to generate test case verdicts. Messages sent by the tester at this PCO explicitly indicate to the operator actions, which are to be performed on the SUT. This is regarded as a preferred alternative to the use of the implicit send event.

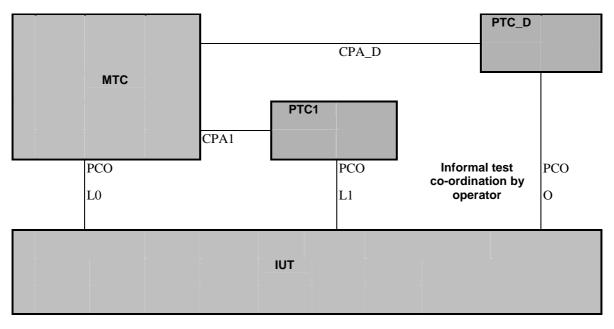


Figure 1: Multi-party test method

Not all components are used in every test case and the relationship between the IUT and the tester depends on the test group:

- when the IUT is in the Authentication configuration, the IUT is only connected to the MTC. The verdict depends only on the behaviour observed at the PCO between the IUT and the MTC. The PTC1 and PTC_D are not used.
- when the IUT is in the Home and Visitor configuration, the PTC1 and the MTC are both used. The verdict is assigned by the MTC or the PTC1 depending on the test purpose. The PTC_D and PCO O are used to specify control above the IUT.

5 Untestable test purposes

There are no untestable test cases associated with this ATS and ATM.

6 ATS conventions

6.1 Version of TTCN used

The version of TTCN used is that defined in TR 101 101 [3].

6.2 Use of ASN.1

6.2.1 Situations where ASN.1 is used

ASN.1 has been used for three major reasons. First, types defined in ASN.1 can model problems that "pure" TTCN cannot. For instance, data structures modelling ordered or unordered sequences of data are preferably defined in ASN.1. Second, ASN.1 provides a better restriction mechanism for type definitions by using sub-type definitions. Third, it is necessary to use ASN.1 to reproduce the type definitions for remote operation components as specified in the base standards in ASN.1.

The possibility to use TTCN and ASN.1 in combination is used, i.e. referring to an ASN.1 type from a TTCN type.

6.2.2 Specification of encoding rules

There is a variation in the encoding rules applied to ASN.1 types and constraints specified in the present document and therefore a mechanism is needed to differentiate the encoding rules. However the mechanism specified in ISO/IEC 9646-3 [7] and in TR 101 101 [3] does not facilitate definition of the encoding rules as needed for this ATS. A solution is therefore used which is broadly in the spirit of ISO/IEC 9646-3 [7] in which comment fields have been used as a means of encoding rules.

For ASN.1 used in the present document, two variations of encoding rules are used. One is the commonly known Basic Encoding Rules (BER) as specified in ISO/IEC 8825-1 [4]. In the second case the encoding is according to ISDN, i.e. the ASN.1 data types are a representation of structures contained within the ISDN specification (basic call, Generic functional protocol or individual supplementary service). For example, if octets of an information element are specified in ASN.1 as a SEQUENCE then this should be encoded in an Executable Test Suite (ETS) as any other ISDN information element specified using tabular TTCN. This ISDN encoding variation is the default encoding rule for this ATS. This means that all ASN.1 constraint tables are encoded using ISDN (non-BER) encoding unless stated otherwise. BER encoding should never be applied to an ASN.1 constraint where BER encoding has not been specified. This encoding rule is sometimes named "Direct Encoding".

For BER encoding, an indication is given in the comments field of the table header. For this ATS such indications appear in the ASN.1 type constraint declaration tables only. In the first line of the table header comment field, the notation "ASN1_Encoding: BER" is used.

In this particular ATS all ASN.1 type constraints which are of type "Component" are to be encoded using BER.

Table 1: ASN.1 type constraint declaration showing use of encoding variation

```
ASN.1 Type Constraint Declaration
Constraint Name
                    : CallTransferComplete_inv_S1 (INV_ID: InvokeIDType
ASN.1 Type
                    : Component
Derivation Path
Encoding Variation :
Comments
                    : ASN1 Encoding: BER
                                            Description
callTransferComplete_Comp
callTransferComplete_InvokeComp {
invokeID INV_ID,
operation_value localValue 12,
argument. {
endDesignation primaryEnd,
callStatus answered }}
Detailed comments :
```

7 ATS to TP map

The identifiers used for the TPs are reused as test case names. Thus there is a straightforward one-to-one mapping.

8 PCTR conformance

A test laboratory, when requested by a client to produce a PCTR, is required, as specified in ISO/IEC 9646-5 [8], to produce a PCTR conformant with the PCTR template given in annex B of ISO/IEC 9646-5 [8].

Furthermore, a test laboratory, offering testing for the ATS specification contained in annex C, when requested by a client to produce a PCTR, is required to produce a PCTR conformant with the PCTR proforma contained in annex A.

A PCTR, which conforms to this PCTR proforma specification, shall preserve the content and ordering of the clauses contained in annex A. Clause A.6 of the PCTR may contain additional columns. If included, these shall be placed to the right of the existing columns. Text in italics may be retained by the test laboratory.

9 PIXIT conformance

A test realizer, producing an executable test suite for the ATS specification contained in annex C, is required, as specified in ISO/IEC 9646-4 [9], to produce an augmented partial PIXIT proforma conformant with this partial PIXIT proforma specification.

An augmented partial PIXIT proforma which conforms to this partial PIXIT proforma specification shall, as a minimum, have contents which are technically equivalent to annex B. The augmented partial PIXIT proforma may contain additional questions that need to be answered in order to prepare the Means Of Testing (MOT) for a particular IUT.

A test laboratory, offering testing for the ATS specification contained in annex C, is required, as specified in ISO/IEC 9646-5 [8], to further augment the augmented partial PIXIT proforma to produce a PIXIT proforma conformant with this partial PIXIT proforma specification.

A PIXIT proforma which conforms to this partial PIXIT proforma specification shall, as a minimum, have contents which are technically equivalent to annex B. The PIXIT proforma may contain additional questions that need to be answered in order to prepare the test laboratory for a particular IUT.

10 ATS conformance

The test realizer, producing MOT and ETS for this ATS specification, shall comply with the requirements of ISO/IEC 9646-4 [9]. In particular, these concern the realization of an ETS based on each ATS. The test realizer shall provide a statement of conformance of the MOT to this ATS specification.

An EN/ETS, which conforms to this ATS specification, shall contain test groups and test cases, which are technically equivalent to those contained in the ATS in annex C. All sequences of test events comprising an abstract test case shall be capable of being realized in the executable test case. Any further checking which the test system might be capable of performing is outside the scope of this ATS specification and shall not contribute to the verdict assignment for each test case.

Test laboratories running conformance test services using the present document shall comply with ISO/IEC 9646-5 [8].

A test laboratory, which claims to conform to this ATS specification, shall use a MOT which conforms to the present document.

Annex A (normative): Protocol Conformance Test Report (PCTR) proforma

Notwithstanding the provisions of the copyright clause related to the text of the present document, ETSI grants that users of the present document may freely reproduce the PCTR proforma in this annex so that it can be used for its intended purposes and may further publish the completed PCTR.

A.1 Identification summary

A.1.1 Protocol conformance test report

PCTR number:	
PCTR date:	
Corresponding SCTR number:	
Corresponding SCTR date:	
Test laboratory identification:	
Test laboratory manager:	
Signature:	

A.1.2 IUT identification

Name:	
Version:	
Protocol specification:	ETS 300 261
PICS:	
Previous PCTRs (if any):	

A.1.3 Testing environment

PIXIT reference number:	
ATS specification:	EN 301 490-2
Abstract test method:	Multi-party test method (see ISO/IEC 9646-2)
Means of testing identification:	
Dates of testing:	
Conformance log reference(s):	
Retention date for log reference(s):	

A.1.4 Limits and reservations

obligations	information relevant to the technical contents or further use of the test report, or to the rights and of the test laboratory and the client, may be given here. Such information may include restriction on the of the report.
Additional	Comments comments may be given by either the client or the test laboratory on any of the contents of the PCTR, for note disagreement between the two parties.
A.2	IUT conformance status
This IUT has specification	as / has not been shown by conformance assessment to be non-conforming to the specified protocol n.
requiremen	ppropriate words in this sentence. If the PICS for this IUT is consistent with the static conformance ts (as specified in clause A.3 of the present document and there are no "FAIL" verdicts to be recorded (in strike the words "has", otherwise strike the words "has not".
A.3	Static conformance summary
The PICS f	or this IUT is / is not consistent with the static conformance requirements in the specified protocol.
Strike the a	ppropriate words in this sentence.
A.4	Dynamic conformance summary
The test can	mpaign did / did not reveal errors in the IUT.
	ppropriate words in this sentence. If there are no "FAIL" verdicts to be recorded (in clause A.6 of the ument) strike the word "did"; otherwise strike the words "did not".
Summary o	f the results of groups of tests:

A.5 Static conformance review report

clause A.3 indicates non-conformance, this clause itemizes the mismatches between the PICS and the static informance requirements of the specified protocol specification.	
	•••
	•••
	•••
	• • •

A.6 Test campaign report

ATS reference	Selected? (Y/N)	Run? (Y/N)	Verdict	Observations
CT_Trans01_001				
CT_Trans01_002				
CT_Trans01_003				
CT_Trans01_004				
CT_Trans01_005				
CT_Trans01_006				
CT_Trans01_007				
CT_Trans01_008				
CT_Trans01_009				
CT_Trans01_010				
CT_Trans01_011				
CT_Trans01_012				
CT_Trans01_013				
CT_Trans02_001				
CT_Trans02_002				
CT_Trans02_003				
CT_Trans02_004				
CT_Trans02_005				
CT_Trans02_006				
CT_Trans02_007				
CT_Trans02_008				
CT_Trans02_009				
CT_Trans02_010				
CT_Trans02_011				
CT_Trans02_012				
CT_Trans02_013				
CT_Trans02_014				
CT_Trans02_015				
CT_Trans02_016				
CT_Trans02_017				
CT_Trans02_018				
CT_Trans02_019				
CT_Trans02_020				
CT_Trans02_021				

ATS reference	Selected? (Y/N)	Run? (Y/N)	Verdict	Observations
CT_Trans02_022		-		
CT_Trans02_023				
CT_Trans02_024				
CT_Primr01_001				
CT_Primr01_002				
CT_Primr02_001				
CT_Primr02_002				
CT_Primr02_003				
CT_Primr02_004				
 CT_Primr02_005				
CT_Primr02_006				
CT_Primr02_007				
CT_Primr02_008				
CT_Primr02_009				
CT_Primr02_010				
CT_Primr02_011				
CT_Primr02_012				
CT_Primr02_013				
CT_Secnd01_001				
CT_Secnd01_001 CT_Secnd01_002				
CT_Secnd01_002 CT_Secnd01_003				
CT_Secnd02_001				
CT_Secnd02_002				
CT_Secnd02_003				
CT_Secnd02_004				
CT_Secnd02_005				
CT_Secnd02_006				
CT_Secnd02_007				
CT_Secnd02_008				
CT_Secnd02_009				
CT_Secnd02_010				
CT_Secnd02_011				
CT_Secnd02_012				
CT_Secnd02_013				
CT_Secnd02_014				
CT_Secnd02_015				
CT_Secnd02_016				
CT_Secnd02_017				
CT_Subsq01_001				
CT_Subsq01_002				
CT_Subsq01_003				
CT_Inter01_001				
CT_Inter01_002				
CT_Inter01_003				
 CT_Inter01_004				
CT_Inter01_005				
CT_Inter01_006				
CT_Inter01_007				
CT_Inter01_008				

Observations A.7 Additional information relevant to the technical content of the PCTR are given here.

Annex B (normative): Partial PIXIT proforma

Notwithstanding the provisions of the copyright clause related to the text of the present document, ETSI grants that users of the present document may freely reproduce the partial PIXIT proforma in this annex so that it can be used for its intended purposes and may further publish the completed partial PIXIT.

B.1	1 Identification summary		
PIXIT numbe	er:		
Test laborator	ry name:		
Date of issue:			
Issued to:			
B.2	Abstract test s	suite summary	
Protocol spec		ETS 300 261	
ATS specifica	ation:	EN 301 490-2	
Abstract test	method:	Multi-party test method (see ISO/IEC 9646-2)	
B.3	Test laborator	Т У	
Test laborator	ry identification:		
Accreditation	status of the test service:		
Accreditation	reference:		
Test laborator	ry manager:		
Test laborator	ry contact:		

Means of testing:		
Test laboratory instructions for completion:		
B.4 Client (of the test laboratory) Client identification:		
Client test manager:		
Client contact:		
Test facilities required:		
B.5 System Under Test (SUT) Name: Version:		
SCS reference:		
Machine configuration:		
Operating system identification:		
IUT identification:		
PICS (all layers):		
Limitations of the SUT:		

Environmental conditions:

B.6 Protocol information

B.6.1 Protocol identification

Specification reference: ETS 300 261

Protocol version: 1.2.1

PICS reference:

NOTE: The PICS reference should reference a completed PICS which is conformant with the PICS proforma

contained in ETS 300 261.

B.6.2 IUT information

B.6.2.1 Parameter values

Table B.1: Parameter values

Item	Question	Supported? (Y/N)	Value
1.1	Length of Business group identification (including octet 3).		
1.2	Business group identificator value (bitstring nbr.1).		
1.3	Business Group identification value (OCTETSTRING [012]).		
1.4	Length of Notification Indicator.		
1.5	Notification description.		
1.6	Does the IUT use transfer by rerouteing (if supported)?		
1.7	Does the IUT reinitiate call transfer using transfer by join procedures (if transfer by rerouteing does not work)?		

B.6.2.2 Timer values

Table B.2: Timer values

Item	Timer duration	Supported? (Y/N)	Allowed values	Value
2.1	Wait for the IUT to respond to a stimulus sent by the tester (TAC). Duration in s.		Integer	
2.2	Control that the IUT does not respond to a stimulus sent by the tester (TNOAC). Duration in s.		Integer	
2.3	Wait for the test operator to perform an implicit send action or to wait for a PTC to react (TWAIT). Duration in s.		Integer	
2.4	Timer that is used to wait for RESTART messages (T_RESTART) (in s). Timer used in the initialization preamble only.		Integer	

B.6.2.3 Information parameter values

Table B.3: Parameter values

Item	Question	Supported? (Y/N)	Value
3.1	Length of the Called party number information	(1711)	
3.2	element (PTC) to be sent to the IUT. Octet 3 (Type of number, Numbering plan		
3.2	identification) of the Called party number		
	information elements.		
3.3	Number digits (IA5) for the Called party number		
0.0	information element to be sent to the IUT.		
3.4	Length of the Called party number information		
0.1	element (PTC) with incomplete number		
	information (insufficient to route the call to		
	destination).		
3.5	Number digits (IA5) for the Called party number		
	information element with incomplete number		
	information (insufficient to route the call to		
	destination).		
3.6	Length of the Called party number information		
	element (MTC) to be sent to the IUT.		
3.7	Number digits (IA5) for the Called party number		
	information element to be sent to the IUT.		
3.8	Length of the Called party number information		
	element (MTC) with incomplete number		
	information (insufficient to route the call to		
	destination) to be sent to the IUT.		
3.9	Number digits (IA5) for the Called party number		
	information element with incomplete number		
	information (insufficient to route the call to		
	destination) to be sent to the IUT.		
3.10	Redirection Number of MTC.		
3.11	Redirection Number of PTC1.		
3.12	CGPN as received from User A.		
3.13	Last Rerouteing Number.		
3.14	Redirection Address of MTC.		
3.15	Name Data of PTC.		
3.16	PartyNumber of the Secondary User.		
3.17	PartyNumber of MTC.		
3.18	PartyNumber of PTC1.		
3.19	PartyNumber of the DivertedTo PINX.		
3.20	Rerouteing Number for Path Replace.		
3.21	Subaddress of MTC.		
3.22	Subaddress of PTC1.		
3.23	Length of the Called party number information		
	element (MTC) to be sent to the IUT (when the		
	Rerouteing Number shall be equal to the Called		
	party number).		
3.24	Number digits (IA5) for the Called party number		
	information element to be sent to the IUT (when		
	the Rerouteing Number shall be equal to the		
2.05	Called party number).		
3.25	Length of the Called party number information		
	element (PTC) to be sent to the IUT (when the		
	Rerouteing Number shall be equal to the Called		
2.26	party number).		
3.26	Number digits (IA5) for the Called party number		
	information element to be sent to the IUT (when		
	the Rerouteing Number shall be equal to the		
L	Called party number).		

B.7 Basic call PIXIT items

B.7.1 Parameter values - information element coding

Table B.4: Coding of information elements

Item	Information element:	Supported?	Value	
	provide, if possible,	(Y/N)		
4.1	A value for the length of the Call Reference (bitstring nbr.5).			
4.2	A value to select if the IUT sends RESTART PDUs after re-establishment of the multiple frame operation.			
4.3	A value to select if the IUT initiates release of the multiple frame established operation after entering U00/N00.			
4.4	A value for the length of the Bearer Capability information element.			
4.5	A coding of the content of the Bearer Capability information element.			
4.6	A value for the preferred channel number.			
4.7	A value for the preferred channel number for the second call.			
4.8	A value for the length of the High Layer Compatibility information element.			
4.9	A coding of the content of the High Layer Compatibility information element.			
4.10	A value for the length of the Low Layer Compatibility information element.			
4.11	Contents (octet3 onwards) of the invalid Low layer compatibility information element.			

Annex C (normative): Abstract Test Suite (ATS)

The present document has been produced using the Tree and Tabular Combined Notation (TTCN) according to ISO/IEC 9646-3 [7].

The ATS was developed on a separate TTCN software tool and therefore the TTCN tables are not completely referenced in the contents table. The ATS itself contains a test suite overview part, which provides additional information and references.

C.1 The TTCN Graphical form (TTCN.GR)

The TTCN.GR representation of this ATS is contained in an Adobe Portable Document Format[™] file (sp519032.PDF contained in archive en_30149002v010101v0.ZIP) which accompanies the present document.

C.2 The TTCN Machine Processable form (TTCN.MP)

The TTCN.MP representation corresponding to this ATS is contained in an ASCII file (sp519032.MP contained in archive en_30149002v010101v0.ZIP) which accompanies the present document.

NOTE: Where an ETSI Abstract Test Suite (in TTCN) is published in both .GR and .MP format these two forms shall be considered equivalent. In the event that there appears to be syntactical or semantic differences between the two then the problem shall be resolved and the erroneous format (whichever it is) shall be corrected.

Bibliography

The following material, though not specifically referenced in the body of the present document (or not publicly available), gives supporting information.

- ETSI EN 300 172 (V1.4): "Private Integrated Services Network (PISN); Inter-exchange signalling protocol; Circuit-mode basic services [ISO/IEC 11572 (1996) modified]".
- ETSI EN 300 239 (1995): "Private Integrated Services Network (PISN); Inter-exchange signalling protocol; Generic functional protocol for the support of supplementary services".
- ETSI EN 301 060-1 (V1.2): "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1) protocol; Basic call control; Enhancement at the "b" service entry point for Virtual Private Network (VPN) applications; Part 1: Protocol specification".
- ETSI EN 301 061-1 (V1.2): "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1) protocol; Generic functional protocol for the support of supplementary services at the "b" service entry point for Virtual Private Network (VPN) applications; Part 1: Protocol specification".
- ETSI ETS 300 406 (1995): "Methods for Testing and Specification (MTS); Protocol and profile conformance testing specifications; Standardization methodology".
- ISO/IEC 13869 (1995): "Information technology; Telecommunications and information exchange between systems; Private Integrated Services Network; Inter-exchange signalling protocol; Call transfer supplementary service".
- ISO/IEC 9646-1 (1994): "Information technology; Open Systems Interconnection; Conformance testing methodology and framework; Part 1: General concepts".
- ITU-T Recommendation I.112 (1993): "Vocabulary of terms for ISDNs".
- ITU-T Recommendation I.210 (1993): "Principles of the telecommunication services supported by an ISDN and the means to describe them".

History

Document history					
V1.1.1	May 2000	Public Enquiry	PE 20000922:	2000-05-24 to 2000-09-22	
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