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EUROPEAN TELECOMMUNICATION STANDARD

pr **ETS 300 436-3**

November 1997

Source: SPS

Reference: DE/SPS-05125-1

ICS: 33.020

Key words: B-ISDN, ATM, AAL, SSCF, SSCOP, NNI, UNI, TSS&TP, testing

Broadband Integrated Services Digital Network (B-ISDN); Signalling ATM Adaptation Layer (SAAL); Service Specific Connection Oriented Protocol (SSCOP); Part 3: Test Suite Structure and Test Purposes (TSS&TP) specification

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Foreword

This draft European Telecommunication Standard (ETS) has been produced by the Signalling Protocols and Switching (SPS) Technical Committee of the European Telecommunications Standards Institute (ETSI), and is now submitted for the Public Enquiry phase of the ETSI standards approval procedure.

This ETS is part 3 of a multi-part standard covering the Service Specific Connection Oriented Protocol (SSCOP) for the Broadband Integrated Services Digital Network (B-ISDN) as described below:

Part 1: "Protocol specification [ITU-T Recommendation Q.2110, modified]";

Part 2: "Protocol Implementation Conformance Statement (PICS) proforma specification";

Part 3: "Test Suite Structure and Test Purposes (TSS&TP) specification ";

Part 4: "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification";

For the generation of this document, the existing specific ATM layer 2 recommendations of the ATM Forum were used.

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

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1 Scope

This third part of ETS 300 436 specifies the Test Suite Structure and Test Purposes (TSS&TP) of the Service Specific Connection Oriented Protocol (SSCOP) between any pair of SSCOP entities, user and network side, for the European Broadband Integrated Services Digital Network (B-ISDN) at the Asynchronous Transfer Mode (ATM) User Network Interface (UNI) and Network-Node Interface (NNI) reference point. The interactions between the SSCOP and the corresponding Service Specific Co-ordination Function (SSCF)-UNI or SSCF-NNI sublayer and between SSCOP and the ATM Adaptation Layer (AAL) common part are described.

2 Normative references

This ETS incorporates by dated and undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this ETS only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

[1] ETS 300 436-1 (1995): "Broadband Integrated Services Digital Network (B-ISDN); ATM Adaptation Layer (AAL); Service Specific Connection Oriented Protocol (SSCOP); Part 1: Protocol specification [ITU-T Recommendation Q.2110 (1995), modified]".

[2] ISO/IEC 9646-1: "Information Technology - OSI Conformance Testing Methodology and Framework; Part 1: General Concepts".

[3] ISO/IEC 9646-2: "Information Technology - OSI Conformance Testing Methodology and Framework; Part 2: Abstract Test Suite specification".

[4] ISO/IEC 9646-3: "Information Technology - OSI Conformance Testing Methodology and Framework; Part 3: The Tree and Tabular Combined Notation".

3 Definitions

For the purposes of this ETS, the following definitions apply:

3.1 Definitions related to conformance testing

abstract test case: Refer to ISO/IEC 9646-1 [2].

Abstract Test Suite (ATS): Refer to ISO/IEC 9646-1 [2].

Implementation Under Test (IUT): Refer to ISO/IEC 9646-1 [2].

implicit send event: Refer to ISO/IEC 9646-3 [4].

Lower Tester (LT): Refer to ISO/IEC 9646-1 [2].

Point Of Control And Observation (PCO): Refer to ISO/IEC 9646-1 [2].

Protocol Implementation Conformance Statement (PICS): Refer to ISO/IEC 9646-1 [2].

PICS proforma: Refer to ISO/IEC 9646-1 [2].

Protocol Implementation eXtra Information for Testing (PIXIT): Refer to ISO/IEC 9646-1 [2].

PIXIT proforma: Refer to ISO/IEC 9646-1 [2].

System Under Test (SUT): Refer to ISO/IEC 9646-1 [2].

Test Purpose (TP): Refer to ISO/IEC 9646-1 [2].

Test Suite Structure (TSS): Refer to ISO/IEC 9646-1 [2].

3.2 Definitions related to ETS 300 436-1

VT(S): See ETS 300 436-1 [1], subclause 7.4.

VT(PS): See ETS 300 436-1 [1], subclause 7.4.

VT(A): See ETS 300 436-1 [1], subclause 7.4.

VT(MS): See ETS 300 436-1 [1], subclause 7.4.

VT(PD): See ETS 300 436-1 [1], subclause 7.4.

VT(CC): See ETS 300 436-1 [1], subclause 7.4.

VT(SQ): See ETS 300 436-1 [1], subclause 7.4.

VR(R): See ETS 300 436-1 [1], subclause 7.4.

VR(H): See ETS 300 436-1 [1], subclause 7.4.

VR(MR): See ETS 300 436-1 [1], subclause 7.4.

VR(SQ): See ETS 300 436-1 [1], subclause 7.4.

N(S): See ETS 300 436-1 [1], subclause 7.5.

N(PS): See ETS 300 436-1 [1], subclause 7.5.

N(R): See ETS 300 436-1 [1], subclause 7.5.

N(MR): See ETS 300 436-1 [1], subclause 7.5.

SSCOP-UU: See ETS 300 436-1 [1], subclause 7.5.

N(SQ): See ETS 300 436-1 [1], subclause 7.5.

maxcc: See ETS 300 436-1 [1], subclause 7.7.

maxpd: See ETS 300 436-1 [1], subclause 7.7.

maxstat: See ETS 300 436-1 [1], subclause 7.7.

seq1: See ETS 300 436-1 [1], subclause 8.2.

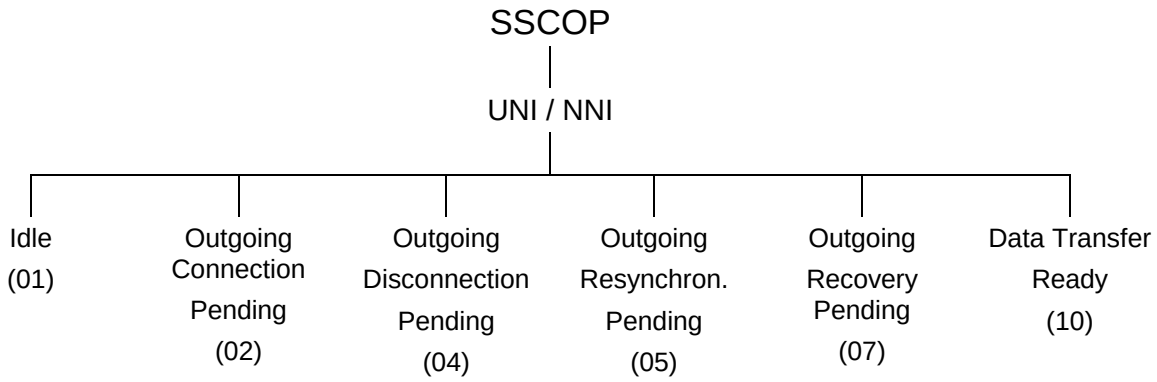
seq2: See ETS 300 436-1 [1], subclause 8.2.

4 Abbreviations

For the purposes of this ETS, the following abbreviations apply:

AA	ATM Adaptation
AAL	ATM Adaptation Layer
ATM	Asynchronous Transfer Mode
BGAK	Begin Acknowledge (PDU)
BGN	Begin (PDU)
BGREJ	Begin Reject (PDU)
B-ISDN	Broadband Integrated Services Digital Network
BR	Buffer Release Parameter
END	End (PDU)
ENDAK	End Acknowledge (PDU)
ER	Error Recovery (PDU)
ERAK	Error Recovery Acknowledge (PDU)
IUT	Implementation under Test
MaxCC	Maximum Connection Control (Count)
MaxPD	Maximum Poll Data (Count)
MaxSTAT	Maximum STAT (Count)
NNI	Network-Node Interface
PDU	Protocol Data Unit
POLL	Poll (PDU)
RS	Resynchronization (PDU)
RSAK	Resynchronization Acknowledge (PDU)
S	Source (field)
SAAL	Signalling ATM Adaptation Layer
SAP	Service Access Point
SD	Sequenced Data (PDU)
SN	Sequence Number
SSCF	Service Specific Coordination Function
SSCOP	Service Specific Connection Oriented Protocol
STAT	Solicited Status (PDU)
UD	Unnumbered Data (PDU)
UNI	User Network Interface
USTAT	Unsolicited Status (PDU)
UU	User-to-User
TP	Test Purpose
VR	Receiver state Variable
VT	Transmitter state Variable

5 Test Suite Structure (TSS)



NOTE: Numbers in brackets represent states and are used in TP identifiers.

Figure 1: Test suite structure

6 Test Purposes (TP)

6.1 Introduction

For each test requirement a TP is defined.

6.1.1 TP naming convention

TPs are numbered, starting at 001, within each state. Groups are organized according to the TSS. Additional references are added to identify the actual test suite and whether it applies to the UNI or the NNI (see table 1).

Table 1: TP identifier naming convention scheme

Identifier:		**<iut>_<state>_<type_<nnn>**		
<iut>	=	SSCOP		
<state>	=	state	Sxx	”S” and a 2 digit field representing the state reference according to TSS
<type>	=	type	V	Valid
			I	Inopportune
			IV	Invalid
			T	Timer
<nnn>	=	sequential number	(001-999)	

6.1.2 Source of TP definition

The TPs are based on ETS 300 436-1 [1], clauses 6, 7 and 8.

6.1.3 TP structure

Each TP has been written in a manner which is consistent with all other TPs. The intention of this is to make the TPs more readable and checkable. A particular structure has been used and this is illustrated in table 2. This table should be read in conjunction with any TP, i.e. use a TP as an example to fully understand the table.

Table 2: Structure of a single TP

TP part	Text	Example
Header	**<Identifier>** *tab* **<paragraph number in base ETS>**	see table 1 **subclause 0.0.0**
Stimulus	Ensure that the IUT in the <basic state> <trigger> *see below for message structure* *or* <goal>	 state 10, etc. receiving a XXXX message to request a ...
Reaction	<action> <conditions> *if the action is sending* *see below for message structure* <next action>, *etc.* and remains in the same state *or* and enters state <state>	sends, ignores using en-bloc sending, ...
Message structure	<message type> message containing a <field name> encoded as *or* including <coding of the field>	BGN, END, ENDAK, ... END.S, SSCOP-UU, ... 1, null, ...
NOTE:	Text in italics will not appear in TPs and text between <> is filled in for each TP and may differ from one TP to the next.	

6.1.4 Test strategy

As the base standard ETS 300 436-1 [1] contains no explicit requirements for testing, the TPs were generated as a result of an analysis of the base standard. The criteria applied included the following:

- the requirements from the point of view of the ATM UNI reference point are considered.

- for covering the requirements from the point of view of the ATM NNI reference point, additional TPs for the Data Retrieval Service and for the Buffer Release Parameter (corresponding to Data Retrieval Service) have been included. The selection of the TPs concerning the ATM NNI reference is realised by setting the PIXIT parameters in the ATS specification;

- only test cases which can be built from the TP are considered. The missing states 03 Incoming Connection pending, 06 Incoming Resynchronization Pending, 08 Recovery Response Pending and 09 Incoming Recovery Pending are instable states. Thus TP are not built from these states.

6.2 TPs for SSCOP at the UNI and the NNI

6.2.1 Begin from state 01 - Idle State

SSCOP_S01_V_001 subclause 7.7 and 8.2
Ensure that the IUT, in the state 01 receiving an AA-ESTABLISH-request from SSCF
sends a BGN - PDU and enters state 02.
Selection: Activation by IUT

SSCOP_S01_V_002 subclause 8.1 and 8.2
Ensure that the IUT, in the state 01 receiving an AA-RETRIEVE-request from SSCF with the retrieval number parameter RN = 'unknown', and having established the connection with the buffer release parameter BR = 'NO',
starts the local data retrieval with the not yet transmitted SD PDUs
and remains in state 01.
Selection: SSCF-NNI and
Activation by IUT and
buffer release supported by IUT and
data retrieval supported by IUT

SSCOP_S01_V_003 subclause 8.1 and 8.2
Ensure that the IUT, in the state 01 receiving an AA-RETRIEVE-request from SSCF with the retrieval number parameter RN = 'total', and having established the connection with the buffer release parameter BR = 'NO',
starts the local data retrieval with all SD PDUs in both the transmission buffer and the transmission queue and remains in state 01.
Selection: SSCF-NNI and
Activation by IUT and
buffer release supported by IUT and
data retrieval supported by IUT

SSCOP_S01_V_004 subclause 8.1 and 8.2
Ensure that the IUT, in the state 01 receiving an AA-RETRIEVE-request from SSCF with the retrieval number parameter RN = 'unknown', and having established the connection with the buffer release parameter BR = 'YES',
starts the local data retrieval
and remains in state 01.
Selection: (SSCF-UNI or SSCF-NNI) and
Activation by IUT and
buffer release supported by IUT and
data retrieval supported by IUT

SSCOP_S01_V_005 subclause 8.2
Ensure that the IUT, in the state 01 receiving a BGN - PDU,
passes state 3, sends a BGAK - PDU and enters state 10.

SSCOP_S01_V_006 subclause 8.2
Ensure that the IUT, in the state 01 receiving a retransmitted BGN - PDU,
sends a BGREJ PDU containing the BGREJ.SSCOP-UU including the BGREJ.SSCOP-UU value sent in the last BGREJ - PDU (if available) or containing BGREJ.SSCOP-UU including null and remains in state 01.

SSCOP_S01_V_007 subclause 8.2
Ensure that the IUT, in the state 01 receiving a BGREJ - PDU,
ignores the BGREJ - PDU and remains in state 01.

SSCOP_S01_V_008 subclause 8.2
Ensure that the IUT, in the state 01 receiving a BGAK - PDU,
sends an END - PDU containing END.S including 1 and END.SSCOP-UU including null and remains in state 01.

SSCOP_S01_V_009 subclause 8.2
Ensure that the IUT, in the state 01 receiving an END - PDU,
sends an ENDAK - PDU and remains in state 01.

SSCOP_S01_V_010 subclause 8.2
Ensure that the IUT, in the state 01 receiving an ENDAK - PDU,
ignores the ENDAK - PDU and remains in state 01.

SSCOP_S01_V_011 subclause 8.2
Ensure that the IUT, in the state 01 receiving an UD - PDU,
accepts the UD - PDU and remains in state 01.

SSCOP_S01_V_012 subclause 8.2
Ensure that the IUT, in the state 01 receiving a MD - PDU,
accepts the MD - PDU and remains in state 01.

SSCOP_S01_I_013 subclause 7.8.2 and 8.2
Ensure that the IUT, in the state 01 receiving an AA-UNITDATA request from the SSCF with the local signal 'UD queued up', and with the local congestion 'Lower Layer Busy = NO',
sends an UD - PDU and remains in state 01.
Selection: Activation by the IUT of the local signal 'UD queued up', and setting 'Lower Layer Busy = NO' by the IUT

SSCOP_S01_I_014 subclause 7.8.2 and 8.2
Ensure that the IUT, in the state 01 receiving an MAA-UNITDATA request from the SSCF with the local signal 'MD queued up', and with the local congestion 'Lower Layer Busy = NO',
sends an MD - PDU and remains in state 01.
Selection: Activation by the IUT of the local signal 'MD queued up', and setting 'Lower Layer Busy = NO' by the IUT

SSCOP_S01_I_015 subclause 8.2
Ensure that the IUT, in the state 01 receiving a SD - PDU,
sends an END PDU containing END.S including 1 and END.SSCOP-UU including null and remains in state 01.

SSCOP_S01_I_016 subclause 8.2
Ensure that the IUT, in the state 01 receiving an ER - PDU,
sends an END PDU containing END.S including 1 and END.SSCOP-UU including null and remains in state 01.

SSCOP_S01_I_017 subclause 8.2
Ensure that the IUT, in the state 01 receiving an ERAK - PDU,
sends an END PDU containing END.S including 1 and END.SSCOP-UU including null and remains in state 01.

SSCOP_S01_I_018 subclause 8.2
Ensure that the IUT, in the state 01 receiving a RS - PDU,
sends an END PDU containing END.S including 1 and END.SSCOP-UU including null and remains in state 01.

SSCOP_S01_I_019 subclause 8.2
Ensure that the IUT, in the state 01 receiving a RSAK - PDU,
sends an END PDU containing END.S including 1 and END.SSCOP-UU including null and remains in state 01.

SSCOP_S01_I_020 subclause 8.2
Ensure that the IUT, in the state 01 receiving a POLL - PDU,
sends an END PDU containing END.S including 1 and END.SSCOP-UU including null and remains in state 01.

SSCOP_S01_I_021 subclause 8.2
Ensure that the IUT, in the state 01 receiving a STAT - PDU,
sends an END PDU containing END.S including 1 and END.SSCOP-UU including null and remains in state 01.

SSCOP_S01_I_022 subclause 8.2
Ensure that the IUT, in the state 01 receiving an USTAT - PDU,
sends an END PDU containing END.S including 1 and END.SSCOP-UU including null and remains in state 01.

SSCOP_S01_IV_023 subclause 8.2
Ensure that the IUT, in the state 01 receiving a PDU with unknown type code,
ignores the PDU and remains in state 01.

SSCOP_S01_IV_024 subclause 8.2
Ensure that the IUT, in the state 01 receiving a BGN PDU with incorrect length,
ignores the PDU and remains in state 01.

SSCOP_S01_IV_025 subclause 8.2
Ensure that the IUT, in the state 01 receiving a BGN PDU which is not 32-bit aligned,
ignores the PDU and remains in state 01.

SSCOP_S01_IV_026 subclause 8.2
Ensure that the IUT, in the state 01 receiving a BGN PDU without SSCOP.UU field and the Pad Length field PL not coded as zero,
ignores the PDU and remains in state 01.

SSCOP_S01_IV_027 subclause 8.2
Ensure that the IUT, in the state 01 receiving a BGAK PDU with incorrect length,
ignores the PDU and remains in state 01.

SSCOP_S01_IV_028 subclause 8.2
Ensure that the IUT, in the state 01 receiving a BGAK PDU which is not 32-bit aligned,
ignores the PDU and remains in state 01.

SSCOP_S01_IV_029 subclause 8.2
Ensure that the IUT, in the state 01 receiving a BGAK PDU without SSCOP.UU field and the Pad Length field PL not coded as zero,
ignores the PDU and remains in state 01.

SSCOP_S01_IV_030 subclause 8.2
Ensure that the IUT, in the state 01 receiving a BGREJ PDU with incorrect length,
ignores the PDU and remains in state 01.

SSCOP_S01_IV_031 subclause 8.2
Ensure that the IUT, in the state 01 receiving a BGREJ PDU which is not 32-bit aligned,
ignores the PDU and remains in state 01.

SSCOP_S01_IV_032 subclause 8.2
Ensure that the IUT, in the state 01 receiving a BGREJ PDU without SSCOP.UU field and the Pad Length field PL not coded as zero,
ignores the PDU and remains in state 01.

SSCOP_S01_IV_033 subclause 8.2
Ensure that the IUT, in the state 01 receiving a END PDU with incorrect length,
ignores the PDU and remains in state 01.

SSCOP_S01_IV_034 subclause 8.2
Ensure that the IUT, in the state 01 receiving a END PDU which is not 32-bit aligned,
ignores the PDU and remains in state 01.

SSCOP_S01_IV_035 subclause 8.2
Ensure that the IUT, in the state 01 receiving a END PDU without SSCOP.UU field and the Pad Length field PL not coded as zero,
ignores the PDU and remains in state 01.

SSCOP_S01_IV_036 subclause 8.2
Ensure that the IUT, in the state 01 receiving a ENDAK PDU with incorrect length,
ignores the PDU and remains in state 01.

SSCOP_S01_IV_037 subclause 8.2
Ensure that the IUT, in the state 01 receiving a ENDAK PDU which is not 32-bit aligned,
ignores the PDU and remains in state 01.

SSCOP_S01_IV_038 subclause 8.2
Ensure that the IUT, in the state 01 receiving a RS PDU with incorrect length,
ignores the PDU and remains in state 01.

SSCOP_S01_IV_039 subclause 8.2
Ensure that the IUT, in the state 01 receiving a RS PDU which is not 32-bit aligned,
ignores the PDU and remains in state 01.

SSCOP_S01_IV_040 subclause 8.2
Ensure that the IUT, in the state 01 receiving a RS PDU without SSCOP.UU field and the Pad Length field PL not coded as zero,
ignores the PDU and remains in state 01.

SSCOP_S01_IV_041 subclause 8.2
Ensure that the IUT, in the state 01 receiving a RSAK PDU with incorrect length,
ignores the PDU and remains in state 01.

SSCOP_S01_IV_042 subclause 8.2
Ensure that the IUT, in the state 01 receiving a RSAK PDU which is not 32-bit aligned,
ignores the PDU and remains in state 01.

SSCOP_S01_IV_043 subclause 8.2
Ensure that the IUT, in the state 01 receiving a ER PDU with incorrect length,
ignores the PDU and remains in state 01.

SSCOP_S01_IV_044 subclause 8.2
Ensure that the IUT, in the state 01 receiving a ER PDU which is not 32-bit aligned,
ignores the PDU and remains in state 01.

SSCOP_S01_IV_045 subclause 8.2
Ensure that the IUT, in the state 01 receiving a ERAK PDU with incorrect length,
ignores the PDU and remains in state 01.

SSCOP_S01_IV_046 subclause 8.2
Ensure that the IUT, in the state 01 receiving a ERAK PDU which is not 32-bit aligned,
ignores the PDU and remains in state 01.

SSCOP_S01_IV_047 subclause 8.2
Ensure that the IUT, in the state 01 receiving a SD PDU with incorrect length,
ignores the PDU and remains in state 01.

SSCOP_S01_IV_048 subclause 8.2
Ensure that the IUT, in the state 01 receiving a SD PDU which is not 32-bit aligned,
ignores the PDU and remains in state 01.

SSCOP_S01_IV_049 subclause 8.2
Ensure that the IUT, in the state 01 receiving a POLL PDU with incorrect length,
ignores the PDU and remains in state 01.

SSCOP_S01_IV_050 subclause 8.2
Ensure that the IUT, in the state 01 receiving a POLL PDU which is not 32-bit aligned,
ignores the PDU and remains in state 01.

SSCOP_S01_IV_051 subclause 8.2
Ensure that the IUT, in the state 01 receiving a STAT PDU with incorrect length,
ignores the PDU and remains in state 01.

SSCOP_S01_IV_052 subclause 8.2
Ensure that the IUT, in the state 01 receiving a STAT PDU which is not 32-bit aligned,
ignores the PDU and remains in state 01.

SSCOP_S01_IV_053 subclause 8.2
Ensure that the IUT, in the state 01 receiving a USTAT PDU with incorrect length,
ignores the PDU and remains in state 01.

SSCOP_S01_IV_054 subclause 8.2
Ensure that the IUT, in the state 01 receiving a USTAT PDU which is not 32-bit aligned,
ignores the PDU and remains in state 01.

SSCOP_S01_IV_055 subclause 8.2
Ensure that the IUT, in the state 01 receiving a UD PDU with incorrect length,
ignores the PDU and remains in state 01.

SSCOP_S01_IV_056 subclause 8.2
Ensure that the IUT, in the state 01 receiving a UD PDU which is not 32-bit aligned,
ignores the PDU and remains in state 01.

SSCOP_S01_IV_057 subclause 8.2
Ensure that the IUT, in the state 01 receiving a MD PDU with incorrect length,
ignores the PDU and remains in state 01.

SSCOP_S01_IV_058 subclause 8.2
Ensure that the IUT, in the state 01 receiving a MD PDU which is not 32-bit aligned,
ignores the PDU and remains in state 01.

6.2.2 Begin from state 02 - Outgoing Connection Pending State

SSCOP_S02_V_001 subclause 8.2
Ensure that the IUT, in the state 02 receiving a BGAK - PDU,
accepts the BGAK - PDU and enters state 10.

SSCOP_S02_V_002 subclause 8.2
Ensure that the IUT, in the state 02 receiving a BGREJ - PDU,
accepts the BGREJ - PDU and enters state 01.

SSCOP_S02_V_003 subclause 8.2
Ensure that the IUT, in the state 02 receiving a BGN - PDU,
sends the BGAK - PDU containing SSCOP-UU including the SSCOP-UU value
sent in the last BGN - PDU (if available) or BGAK.SSCOP-UU including null
and enters state 10.

SSCOP_S02_V_004 subclause 8.2
Ensure that the IUT, in the state 02 receiving a retransmitted BGN - PDU,
ignores the retransmitted BGN - PDU and remains in state 02.

SSCOP_S02_V_005 subclause 8.2
Ensure that the IUT, in the state 02 receiving an AA-RELEASE-request from SSCF,
sends an END - PDU and enters state 04.
Selection: Activation by IUT and

SSCOP_S02_V_006 subclause 8.2
Ensure that the IUT, in the state 02 receiving an END - PDU,
ignores the END - PDU and remains in state 02.

SSCOP_S02_V_007 subclause 8.2
Ensure that the IUT, in the state 02 receiving an ENDAK - PDU,
ignores the ENDAK - PDU and remains in state 02.

SSCOP_S02_V_008 subclause 8.2
Ensure that the IUT, in the state 02 receiving a SD - PDU,
ignores the SD - PDU and remains in state 02.

SSCOP_S02_V_009 subclause 8.2
Ensure that the IUT, in the state 02 receiving an UD - PDU,
accepts the UD - PDU and remains in state 02.

SSCOP_S02_V_010 subclause 8.2
Ensure that the IUT, in the state 02 receiving a MD - PDU,
accepts the MD - PDU and remains in state 02.

SSCOP_S02_V_011 subclause 8.2
Ensure that the IUT, in the state 02 receiving an ER - PDU,
ignores the ER - PDU and remains in state 02.

SSCOP_S02_V_012 subclause 8.2
Ensure that the IUT, in the state 02 receiving an ERAK - PDU,
ignores the ERAK - PDU and remains in state 02.

SSCOP_S02_V_013 subclause 8.2
Ensure that the IUT, in the state 02 receiving a RS - PDU,
ignores the RS - PDU and remains in state 02.

SSCOP_S02_V_014 subclause 8.2
Ensure that the IUT, in the state 02 receiving a RSAK - PDU,
ignores the RSAK - PDU and remains in state 02.

SSCOP_S02_V_015 subclause 8.2
Ensure that the IUT, in the state 02 receiving a POLL - PDU,
ignores the POLL - PDU and remains in state 02.

SSCOP_S02_V_016 subclause 8.2
Ensure that the IUT, in the state 02 receiving a STAT - PDU,
ignores the STAT - PDU and remains in state 02.

SSCOP_S02_V_017 subclause 8.2
Ensure that the IUT, in the state 02 receiving an USTAT - PDU,
ignores the USTAT - PDU and remains in state 02.

SSCOP_S02_I_018 subclause 7.8.2 and 8.2
Ensure that the IUT, in the state 02 receiving an AA-UNITDATA request from the SSCF
with the local signal ‘UD queued up’, and with the local congestion ‘Lower Layer Busy = NO’,
sends an UD - PDU and remains in state 02.
Selection: Activation by the IUT of the local signal ‘UD queued up’, and
setting ‘Lower Layer Busy = NO’ by the IUT

SSCOP_S02_I_019 subclause 7.8.2 and 8.2
Ensure that the IUT, in the state 02 receiving an MAA-UNITDATA request from the SSCF
with the local signal ‘MD queued up’, and with the local congestion ‘Lower Layer Busy = NO’,
sends an MD - PDU and remains in state 02.
Selection: Activation by the IUT of the local signal ‘MD queued up’, and
setting ‘Lower Layer Busy = NO’ by the IUT

SSCOP_S02_IV_020 subclause 8.2
Ensure that the IUT, in the state 02 receiving a PDU with an unknown type code,
ignores the PDU and remains in state 02.

SSCOP_S02_IV_021 subclause 8.2
Ensure that the IUT, in the state 02 receiving a BGN PDU with incorrect length,
ignores the PDU and remains in state 02.

SSCOP_S02_IV_022 subclause 8.2
Ensure that the IUT, in the state 02 receiving a BGN PDU which is not 32-bit aligned,
ignores the PDU and remains in state 02.

SSCOP_S02_IV_023 subclause 8.2
Ensure that the IUT, in the state 02 receiving a BGN PDU without SSCOP.UU field and the Pad Length field PL not coded as zero,
ignores the PDU and remains in state 02.

SSCOP_S02_IV_024 subclause 8.2
Ensure that the IUT, in the state 02 receiving a BGAK PDU with incorrect length,
ignores the PDU and remains in state 02.

SSCOP_S02_IV_025 subclause 8.2
Ensure that the IUT, in the state 02 receiving a BGAK PDU which is not 32-bit aligned,
ignores the PDU and remains in state 02.

SSCOP_S02_IV_026 subclause 8.2
Ensure that the IUT, in the state 02 receiving a BGAK PDU without SSCOP.UU field and the Pad Length field PL not coded as zero,
ignores the PDU and remains in state 02.

SSCOP_S02_IV_027 subclause 8.2
Ensure that the IUT, in the state 02 receiving a BGREJ PDU with incorrect length,
ignores the PDU and remains in state 02.

SSCOP_S02_IV_028 subclause 8.2
Ensure that the IUT, in the state 02 receiving a BGREJ PDU which is not 32-bit aligned,
ignores the PDU and remains in state 02.

SSCOP_S02_IV_029 subclause 8.2
Ensure that the IUT, in the state 02 receiving a BGREJ PDU without SSCOP.UU field and the Pad Length field PL not coded as zero,
ignores the PDU and remains in state 02.

SSCOP_S02_IV_030 subclause 8.2
Ensure that the IUT, in the state 02 receiving a END PDU with incorrect length,
ignores the PDU and remains in state 02.

SSCOP_S02_IV_031 subclause 8.2
Ensure that the IUT, in the state 02 receiving a END PDU which is not 32-bit aligned,
ignores the PDU and remains in state 02.

SSCOP_S02_IV_032 subclause 8.2
Ensure that the IUT, in the state 02 receiving a END PDU without SSCOP.UU field and the Pad Length field PL not coded as zero,
ignores the PDU and remains in state 02.

SSCOP_S02_IV_033 subclause 8.2
Ensure that the IUT, in the state 02 receiving a ENDAK PDU with incorrect length,
ignores the PDU and remains in state 02.

SSCOP_S02_IV_034 subclause 8.2
Ensure that the IUT, in the state 02 receiving a ENDAK PDU which is not 32-bit aligned,
ignores the PDU and remains in state 02.

SSCOP_S02_IV_035 subclause 8.2
Ensure that the IUT, in the state 02 receiving a RS PDU with incorrect length,
ignores the PDU and remains in state 02.

SSCOP_S02_IV_036 subclause 8.2
Ensure that the IUT, in the state 02 receiving a RS PDU which is not 32-bit aligned,
ignores the PDU and remains in state 02.

SSCOP_S02_IV_037 subclause 8.2
Ensure that the IUT, in the state 02 receiving a RS PDU without SSCOP.UU field and the Pad Length field PL not coded as zero,
ignores the PDU and remains in state 02.

SSCOP_S02_IV_038 subclause 8.2
Ensure that the IUT, in the state 02 receiving a RSAK PDU with incorrect length,
ignores the PDU and remains in state 02.

SSCOP_S02_IV_039 subclause 8.2
Ensure that the IUT, in the state 02 receiving a RSAK PDU which is not 32-bit aligned,
ignores the PDU and remains in state 02.

SSCOP_S02_IV_040 subclause 8.2
Ensure that the IUT, in the state 02 receiving a ER PDU with incorrect length,
ignores the PDU and remains in state 02.

SSCOP_S02_IV_041 subclause 8.2
Ensure that the IUT, in the state 02 receiving a ER PDU which is not 32-bit aligned,
ignores the PDU and remains in state 02.

SSCOP_S02_IV_042 subclause 8.2
Ensure that the IUT, in the state 02 receiving a ERAK PDU with incorrect length,
ignores the PDU and remains in state 02.

SSCOP_S02_IV_043 subclause 8.2
Ensure that the IUT, in the state 02 receiving a ERAK PDU which is not 32-bit aligned,
ignores the PDU and remains in state 02.

SSCOP_S02_IV_044 subclause 8.2
Ensure that the IUT, in the state 02 receiving a SD PDU with incorrect length,
ignores the PDU and remains in state 02.

SSCOP_S02_IV_045 subclause 8.2
Ensure that the IUT, in the state 02 receiving a SD PDU which is not 32-bit aligned,
ignores the PDU and remains in state 02.

SSCOP_S02_IV_046 subclause 8.2
Ensure that the IUT, in the state 02 receiving a POLL PDU with incorrect length,
ignores the PDU and remains in state 02.

SSCOP_S02_IV_047 subclause 8.2
Ensure that the IUT, in the state 02 receiving a POLL PDU which is not 32-bit aligned,
ignores the PDU and remains in state 02.

SSCOP_S02_IV_048 subclause 8.2
Ensure that the IUT, in the state 02 receiving a STAT PDU with incorrect length,
ignores the PDU and remains in state 02.

SSCOP_S02_IV_049 subclause 8.2
Ensure that the IUT, in the state 02 receiving a STAT PDU which is not 32-bit aligned,
ignores the PDU and remains in state 02.

SSCOP_S02_IV_050 subclause 8.2
Ensure that the IUT, in the state 02 receiving a USTAT PDU with incorrect length,
ignores the PDU and remains in state 02.

SSCOP_S02_IV_051 subclause 8.2
Ensure that the IUT, in the state 02 receiving a USTAT PDU which is not 32-bit aligned,
ignores the PDU and remains in state 02.

SSCOP_S02_IV_052 subclause 8.2
Ensure that the IUT, in the state 02 receiving a UD PDU with incorrect length,
ignores the PDU and remains in state 02.

SSCOP_S02_IV_053 subclause 8.2
Ensure that the IUT, in the state 02 receiving a UD PDU which is not 32-bit aligned,
ignores the PDU and remains in state 02.

SSCOP_S02_IV_054 subclause 8.2
Ensure that the IUT, in the state 02 receiving a MD PDU with incorrect length,
ignores the PDU and remains in state 02.

SSCOP_S02_IV_055 subclause 8.2
Ensure that the IUT, in the state 02 receiving a MD PDU which is not 32-bit aligned,
ignores the PDU and remains in state 02.

SSCOP_S02_T_056 subclause 8.2
Ensure that the IUT, in the state 02 expiring of Timer_CC and VT(CC)<MaxCC
sends a BGN - PDU which is identical to the last BGN - PDU sent
and remains in state 02

SSCOP_S02_T_057 subclause 8.2
Ensure that the IUT, in the state 02 expiring of Timer_CC and VT(CC) ≥ MaxCC
sends an END - PDU containing END.S including 1 and END.SSCOP-UU
including null and enters state 01

6.2.3 Begin from state 04 - Outgoing Disconnection Pending State

SSCOP_S04_V_001 subclause 8.2
Ensure that the IUT, in the state 04 receiving an END - PDU,
sends an ENDAK - PDU and enters state 01.

SSCOP_S04_V_002 subclause 8.2
Ensure that the IUT, in the state 04 receiving an ENDAK - PDU,
accepts the ENDAK - PDU and enters state 01.

SSCOP_S04_V_003 subclause 7.7 and 8.2
Ensure that the IUT, in the state 04 receiving an AA-ESTABLISH-request from SSCF
sends a BGN - PDU and enters state 02.
Selection: Activation by IUT

SSCOP_S04_V_004 subclause 8.1 and 8.2
Ensure that the IUT, in the state 04 receiving an AA-RETRIEVE-request from SSCF
with the retrieval number parameter RN = ‘unknown’, and having established the
connection with the buffer release parameter BR = ‘NO’,
starts the local data retrieval with the not yet transmitted SD PDUs
and remains in state 04.
Selection: SSCF-NNI and
Activation by IUT and
buffer release supported by IUT

SSCOP_S04_V_005 subclause 8.1 and 8.2
Ensure that the IUT, in the state 04 receiving an AA-RETRIEVE-request from SSCF with the retrieval number parameter RN = 'total', and having established the connection with the buffer release parameter BR = 'NO',
starts the local data retrieval with all SD PDUs in both the transmission buffer and the transmission queue and remains in state 04.
Selection: SSCF-NNI and
Activation by IUT and
buffer release supported by IUT

SSCOP_S04_V_006 subclause 8.1 and 8.2
Ensure that the IUT, in the state 01 receiving an AA-RETRIEVE-request from SSCF with the retrieval number parameter RN = 'unknown', and having established the connection with the buffer release parameter BR = 'YES',
starts the local data retrieval
and remains in state 01.
Selection: (SSCF-UNI or SSCF-NNI) and
Activation by IUT and
buffer release supported by IUT

SSCOP_S04_V_007 subclause 8.2
Ensure that the IUT, in the state 04 receiving a BGN - PDU,
passes state 03, sends a BGAK - PDU and enters state 10.

SSCOP_S04_V_008 subclause 8.2
Ensure that the IUT, in the state 04 receiving a BGAK - PDU,
ignores the BGAK - PDU and remains in state 04.

SSCOP_S04_V_009 subclause 8.2
Ensure that the IUT, in the state 04 receiving a retransmitted BGN - PDU,
sends a BGAK - PDU containing BGAK.SSCOP-UU including null, sends an END - PDU identical to the last END - PDU sent and remains in state 04.

SSCOP_S04_V_010 subclause 8.2
Ensure that the IUT, in the state 04 receiving a BGREJ - PDU,
accepts the BGREJ - PDU and enters state 01.

SSCOP_S04_V_011 subclause 8.2
Ensure that the IUT, in the state 04 receiving a SD - PDU,
ignores the SD - PDU and remains in state 04.

SSCOP_S04_V_012 subclause 8.2
Ensure that the IUT, in the state 04 receiving a MD - PDU,
accepts the MD - PDU and remains in state 04.

SSCOP_S04_V_013 subclause 8.2
Ensure that the IUT, in the state 04 receiving an UD - PDU,
accepts the UD - PDU and remains in state 04.

SSCOP_S04_V_014 subclause 8.2
Ensure that the IUT, in the state 04 receiving an ER - PDU,
ignores the ER - PDU and remains in state 04.

SSCOP_S04_V_015 subclause 8.2
Ensure that the IUT, in the state 04 receiving an ERAK - PDU,
ignores the ERAK - PDU and remains in state 04.

SSCOP_S04_V_016 subclause 8.2
Ensure that the IUT, in the state 04 receiving a RS - PDU,
ignores the RS - PDU and remains in state 04.

SSCOP_S04_V_017 subclause 8.2
Ensure that the IUT, in the state 04 receiving a RSAK - PDU,
ignores the RSAK - PDU and remains in state 04.

SSCOP_S04_V_018 subclause 8.2
Ensure that the IUT, in the state 04 receiving a POLL - PDU,
ignores the POLL - PDU and remains in state 04.

SSCOP_S04_V_019 subclause 8.2
Ensure that the IUT, in the state 04 receiving a STAT - PDU,
ignores the STAT - PDU and remains in state 04.

SSCOP_S04_V_020 subclause 8.2
Ensure that the IUT, in the state 04 receiving an USTAT - PDU,
ignores the USTAT - PDU and remains in state 04.

SSCOP_S04_I_021 subclause 7.8.2 and 8.2
Ensure that the IUT, in the state 04 receiving an AA-UNITDATA request from the SSCF
with the local signal 'UD queued up', and with the local congestion 'Lower Layer Busy = NO',
sends an UD - PDU and remains in state 04.
Selection: Activation by the IUT of the local signal 'UD queued up', and
setting 'Lower Layer Busy = NO' by the IUT

SSCOP_S04_I_022 subclause 7.8.2 and 8.2
Ensure that the IUT, in the state 04 receiving an MAA-UNITDATA request from the SSCF
with the local signal 'MD queued up', and with the local congestion 'Lower Layer Busy = NO',
sends an MD - PDU and remains in state 04.
Selection: Activation by the IUT of the local signal 'MD queued up', and
setting 'Lower Layer Busy = NO' by the IUT

SSCOP_S04_IV_023 subclause 8.2
Ensure that the IUT, in the state 04 receiving a PDU with an unknown type code,
ignores the PDU and remains in state 04.

SSCOP_S04_IV_024 subclause 8.2
Ensure that the IUT, in the state 04 receiving a BGN PDU with incorrect length,
ignores the PDU and remains in state 04.

SSCOP_S04_IV_025 subclause 8.2
Ensure that the IUT, in the state 04 receiving a BGN PDU which is not 32-bit aligned,
ignores the PDU and remains in state 04.

SSCOP_S04_IV_026 subclause 8.2
Ensure that the IUT, in the state 04 receiving a BGN PDU without SSCOP.UU field and
the Pad Length field PL not coded as zero,
ignores the PDU and remains in state 04.

SSCOP_S04_IV_027 subclause 8.2
Ensure that the IUT, in the state 04 receiving a BGAK PDU with incorrect length,
ignores the PDU and remains in state 04.

SSCOP_S04_IV_028 subclause 8.2
Ensure that the IUT, in the state 04 receiving a BGAK PDU which is not 32-bit aligned,
ignores the PDU and remains in state 04.

SSCOP_S04_IV_029 subclause 8.2
Ensure that the IUT, in the state 04 receiving a BGAK PDU without SSCOP.UU field and
the Pad Length field PL not coded as zero,
ignores the PDU and remains in state 04.

SSCOP_S04_IV_030 subclause 8.2
Ensure that the IUT, in the state 04 receiving a BGREJ PDU with incorrect length,
ignores the PDU and remains in state 04.

SSCOP_S04_IV_031 subclause 8.2
Ensure that the IUT, in the state 04 receiving a BGREJ PDU which is not 32-bit aligned,
ignores the PDU and remains in state 04.

SSCOP_S04_IV_032 subclause 8.2
Ensure that the IUT, in the state 04 receiving a BGREJ PDU without SSCOP.UU field and the Pad Length field PL not coded as zero,
ignores the PDU and remains in state 04.

SSCOP_S04_IV_033 subclause 8.2
Ensure that the IUT, in the state 04 receiving a END PDU with incorrect length,
ignores the PDU and remains in state 04.

SSCOP_S04_IV_034 subclause 8.2
Ensure that the IUT, in the state 04 receiving a END PDU which is not 32-bit aligned,
ignores the PDU and remains in state 04.

SSCOP_S04_IV_035 subclause 8.2
Ensure that the IUT, in the state 04 receiving a END PDU without SSCOP.UU field and the Pad Length field PL not coded as zero,
ignores the PDU and remains in state 04.

SSCOP_S04_IV_036 subclause 8.2
Ensure that the IUT, in the state 04 receiving a ENDAK PDU with incorrect length,
ignores the PDU and remains in state 04.

SSCOP_S04_IV_037 subclause 8.2
Ensure that the IUT, in the state 04 receiving a ENDAK PDU which is not 32-bit aligned,
ignores the PDU and remains in state 04.

SSCOP_S04_IV_038 subclause 8.2
Ensure that the IUT, in the state 04 receiving a RS PDU with incorrect length,
ignores the PDU and remains in state 04.

SSCOP_S04_IV_039 subclause 8.2
Ensure that the IUT, in the state 04 receiving a RS PDU which is not 32-bit aligned,
ignores the PDU and remains in state 04.

SSCOP_S04_IV_040 subclause 8.2
Ensure that the IUT, in the state 04 receiving a RS PDU without SSCOP.UU field and the Pad Length field PL not coded as zero,
ignores the PDU and remains in state 04.

SSCOP_S04_IV_041 subclause 8.2
Ensure that the IUT, in the state 04 receiving a RSAK PDU with incorrect length,
ignores the PDU and remains in state 04.

SSCOP_S04_IV_042 subclause 8.2
Ensure that the IUT, in the state 04 receiving a RSAK PDU which is not 32-bit aligned,
ignores the PDU and remains in state 04.

SSCOP_S04_IV_043 subclause 8.2
Ensure that the IUT, in the state 04 receiving a ER PDU with incorrect length,
ignores the PDU and remains in state 04.

SSCOP_S04_IV_044 subclause 8.2
Ensure that the IUT, in the state 04 receiving a ER PDU which is not 32-bit aligned,
ignores the PDU and remains in state 04.

SSCOP_S04_IV_045 subclause 8.2
Ensure that the IUT, in the state 04 receiving a ERAK PDU with incorrect length,
ignores the PDU and remains in state 04.

SSCOP_S04_IV_046 subclause 8.2
Ensure that the IUT, in the state 04 receiving a ERAK PDU which is not 32-bit aligned,
ignores the PDU and remains in state 04.

SSCOP_S04_IV_047 subclause 8.2
Ensure that the IUT, in the state 04 receiving a SD PDU with incorrect length,
ignores the PDU and remains in state 04.

SSCOP_S04_IV_048 subclause 8.2
Ensure that the IUT, in the state 04 receiving a SD PDU which is not 32-bit aligned,
ignores the PDU and remains in state 04.

SSCOP_S04_IV_049 subclause 8.2
Ensure that the IUT, in the state 04 receiving a POLL PDU with incorrect length,
ignores the PDU and remains in state 04.

SSCOP_S04_IV_050 subclause 8.2
Ensure that the IUT, in the state 04 receiving a POLL PDU which is not 32-bit aligned,
ignores the PDU and remains in state 04.

SSCOP_S04_IV_051 subclause 8.2
Ensure that the IUT, in the state 04 receiving a STAT PDU with incorrect length,
ignores the PDU and remains in state 04.

SSCOP_S04_IV_052 subclause 8.2
Ensure that the IUT, in the state 04 receiving a STAT PDU which is not 32-bit aligned,
ignores the PDU and remains in state 04.

SSCOP_S04_IV_053 subclause 8.2
Ensure that the IUT, in the state 04 receiving a USTAT PDU with incorrect length,
ignores the PDU and remains in state 04.

SSCOP_S04_IV_054 subclause 8.2
Ensure that the IUT, in the state 04 receiving a USTAT PDU which is not 32-bit aligned,
ignores the PDU and remains in state 04.

SSCOP_S04_IV_055 subclause 8.2
Ensure that the IUT, in the state 04 receiving a UD PDU with incorrect length,
ignores the PDU and remains in state 04.

SSCOP_S04_IV_056 subclause 8.2
Ensure that the IUT, in the state 04 receiving a UD PDU which is not 32-bit aligned,
ignores the PDU and remains in state 04.

SSCOP_S04_IV_057 subclause 8.2
Ensure that the IUT, in the state 04 receiving a MD PDU with incorrect length,
ignores the PDU and remains in state 04.

SSCOP_S04_IV_058 subclause 8.2
Ensure that the IUT, in the state 04 receiving a MD PDU which is not 32-bit aligned,
ignores the PDU and remains in state 04.

SSCOP_S04_T_059 subclause 8.2
Ensure that the IUT, in the state 04 after expiry of Timer_CC and VT(CC) < MaxCC,
sends an END - PDU identical to the last END - PDU sent and remains in state 04.

SSCOP_S04_T_060 subclause 8.2
Ensure that the IUT, in the state 04 after expiry of Timer_CC and VT(CC) ≥ MaxCC,
enters state 01.

6.2.4 Begin from state 05 - Outgoing Resynchronisation Pending State

SSCOP_S05_V_001 subclause 8.2
Ensure that the IUT, in the state 05 receiving a RS - PDU,
sends an RSAK - PDU and enters state 10.
Selection: Activation by IUT

SSCOP_S05_V_002 subclause 8.2
Ensure that the IUT, in the state 05 receiving a retransmitted RS - PDU,
ignores the retransmitted RS - PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_V_003 subclause 8.2
Ensure that the IUT, in the state 05 receiving a RSAK - PDU,
accepts the RSAK - PDU and enters state 10.
Selection: Activation by IUT

SSCOP_S05_V_004 subclause 8.2
Ensure that the IUT, in the state 05 receiving a BGN - PDU,
passes state 03, sends a BGAK - PDU and enters state 10.
Selection: Activation by IUT

SSCOP_S05_V_005 subclause 8.2
Ensure that the IUT, in the state 05 receiving a retransmitted BGN - PDU,
sends a BGAK PDU containing the BGAK.SSCOP-UU including the BGAK.SSCOP-UU value sent in the last BGAK PDU (if available) or containing BGAK.SSCOP-UU including null, sends a RS PDU identical to the last RS PDU sent and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_V_006 subclause 8.2
Ensure that the IUT, in the state 05 receiving a BGAK - PDU,
ignores the BGAK - PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_V_007 subclause 8.2
Ensure that the IUT, in the state 05 receiving an ER - PDU,
ignores the ER - PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_V_008 subclause 8.2
Ensure that the IUT, in the state 05 receiving an ERAK - PDU,
ignores the ERAK - PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_V_009 subclause 8.2
Ensure that the IUT, in the state 05 receiving an AA-RELEASE-request,
sends an END - PDU and enters state 04.
Selection: Activation by IUT

SSCOP_S05_V_010 subclause 8.2
Ensure that the IUT, in the state 05 receiving an END - PDU,
sends an ENDAK - PDU and enters state 01.
Selection: Activation by IUT

SSCOP_S05_V_011 subclause 8.2
Ensure that the IUT, in the state 05 receiving a POLL - PDU,
ignores the POLL - PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_V_012 subclause 8.2
Ensure that the IUT, in the state 05 receiving a STAT - PDU,
ignores the STAT - PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_V_013 subclause 8.2
Ensure that the IUT, in the state 05 receiving an USTAT - PDU,
ignores the USTAT - PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_V_014 subclause 8.2
Ensure that the IUT, in the state 05 receiving a SD - PDU,
ignores the SD - PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_V_015 subclause 8.2
Ensure that the IUT, in the state 05 receiving a MD - PDU,
accepts the MD - PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_V_016 subclause 8.2
Ensure that the IUT, in the state 05 receiving an UD - PDU,
accepts the UD - PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_I_017 subclause 7.8.2 and 8.2
Ensure that the IUT, in the state 05 receiving an AA-UNITDATA request from the SSCF
with the local signal ‘UD queued up’, and with the local congestion ‘Lower Layer Busy = NO’,
sends an UD - PDU and remains in state 05.
Selection: Activation by the IUT of the local signal ‘UD queued up’, and
setting ‘Lower Layer Busy = NO’ by the IUT

SSCOP_S05_I_018 subclause 7.8.2 and 8.2
Ensure that the IUT, in the state 05 receiving an MAA-UNITDATA request from the SSCF
with the local signal ‘MD queued up’, and with the local congestion ‘Lower Layer Busy = NO’,
sends an MD - PDU and remains in state 05.
Selection: Activation by the IUT of the local signal ‘MD queued up’, and
setting ‘Lower Layer Busy = NO’ by the IUT

SSCOP_S05_I_019 subclause 8.2
Ensure that the IUT, in the state 05 receiving a BGREJ - PDU,
accepts the BGREJ - PDU and enters state 01.
Selection: Activation by IUT

SSCOP_S05_I_020 subclause 8.2
Ensure that the IUT, in the state 05 receiving an ENDAK - PDU,
accepts the ENDAK - PDU and enters state 01.
Selection: Activation by IUT

SSCOP_S05_IV_021 subclause 8.2
Ensure that the IUT, in the state 05 receiving a PDU with an unknown type code,
ignores the PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_IV_022 subclause 8.2
Ensure that the IUT, in the state 05 receiving a BGN PDU with incorrect length,
ignores the PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_IV_023 subclause 8.2
Ensure that the IUT, in the state 05 receiving a BGN PDU which is not 32-bit aligned,
ignores the PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_IV_024 subclause 8.2
Ensure that the IUT, in the state 05 receiving a BGN PDU without SSCOP.UU field and the Pad Length field PL not coded as zero,
ignores the PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_IV_025 subclause 8.2
Ensure that the IUT, in the state 05 receiving a BGAK PDU with incorrect length,
ignores the PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_IV_026 subclause 8.2
Ensure that the IUT, in the state 05 receiving a BGAK PDU which is not 32-bit aligned,
ignores the PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_IV_027 subclause 8.2
Ensure that the IUT, in the state 05 receiving a BGAK PDU without SSCOP.UU field and the Pad Length field PL not coded as zero,
ignores the PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_IV_028 subclause 8.2
Ensure that the IUT, in the state 05 receiving a BGREJ PDU with incorrect length,
ignores the PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_IV_029 subclause 8.2
Ensure that the IUT, in the state 05 receiving a BGREJ PDU which is not 32-bit aligned,
ignores the PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_IV_030 subclause 8.2
Ensure that the IUT, in the state 05 receiving a BGREJ PDU without SSCOP.UU field and the Pad Length field PL not coded as zero,
ignores the PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_IV_031 subclause 8.2
Ensure that the IUT, in the state 05 receiving a END PDU with incorrect length,
ignores the PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_IV_032 subclause 8.2
Ensure that the IUT, in the state 05 receiving a END PDU which is not 32-bit aligned,
ignores the PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_IV_033 subclause 8.2
Ensure that the IUT, in the state 05 receiving a END PDU without SSCOP.UU field and the Pad Length field PL not coded as zero,
ignores the PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_IV_034 subclause 8.2
Ensure that the IUT, in the state 05 receiving a ENDAK PDU with incorrect length,
ignores the PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_IV_035 subclause 8.2
Ensure that the IUT, in the state 05 receiving a ENDAK PDU which is not 32-bit aligned,
ignores the PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_IV_036 subclause 8.2
Ensure that the IUT, in the state 05 receiving a RS PDU with incorrect length,
ignores the PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_IV_037 subclause 8.2
Ensure that the IUT, in the state 05 receiving a RS PDU which is not 32-bit aligned,
ignores the PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_IV_038 subclause 8.2
Ensure that the IUT, in the state 05 receiving a RS PDU without SSCOP.UU field and
the Pad Length field PL not coded as zero,
ignores the PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_IV_039 subclause 8.2
Ensure that the IUT, in the state 05 receiving a RSAK PDU with incorrect length,
ignores the PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_IV_040 subclause 8.2
Ensure that the IUT, in the state 05 receiving a RSAK PDU which is not 32-bit aligned,
ignores the PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_IV_041 subclause 8.2
Ensure that the IUT, in the state 05 receiving a ER PDU with incorrect length,
ignores the PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_IV_042 subclause 8.2
Ensure that the IUT, in the state 05 receiving a ER PDU which is not 32-bit aligned,
ignores the PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_IV_043 subclause 8.2
Ensure that the IUT, in the state 05 receiving a ERAK PDU with incorrect length,
ignores the PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_IV_044 subclause 8.2
Ensure that the IUT, in the state 05 receiving a ERAK PDU which is not 32-bit aligned,
ignores the PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_IV_045 subclause 8.2
Ensure that the IUT, in the state 05 receiving a SD PDU with incorrect length,
ignores the PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_IV_046 subclause 8.2
Ensure that the IUT, in the state 05 receiving a SD PDU which is not 32-bit aligned,
ignores the PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_IV_047 subclause 8.2
Ensure that the IUT, in the state 05 receiving a POLL PDU with incorrect length,
ignores the PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_IV_048 subclause 8.2
Ensure that the IUT, in the state 05 receiving a POLL PDU which is not 32-bit aligned,
ignores the PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_IV_049 subclause 8.2
Ensure that the IUT, in the state 05 receiving a STAT PDU with incorrect length,
ignores the PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_IV_050 subclause 8.2
Ensure that the IUT, in the state 05 receiving a STAT PDU which is not 32-bit aligned,
ignores the PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_IV_051 subclause 8.2
Ensure that the IUT, in the state 05 receiving a USTAT PDU with incorrect length,
ignores the PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_IV_052 subclause 8.2
Ensure that the IUT, in the state 05 receiving a USTAT PDU which is not 32-bit aligned,
ignores the PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_IV_053 subclause 8.2
Ensure that the IUT, in the state 05 receiving a UD PDU with incorrect length,
ignores the PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_IV_054 subclause 8.2
Ensure that the IUT, in the state 05 receiving a UD PDU which is not 32-bit aligned,
ignores the PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_IV_055 subclause 8.2
Ensure that the IUT, in the state 05 receiving a MD PDU with incorrect length,
ignores the PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_IV_056 subclause 8.2
Ensure that the IUT, in the state 05 receiving a MD PDU which is not 32-bit aligned,
ignores the PDU and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_T_057 subclause 8.2
Ensure that the IUT, in the state 05 after expiry of Timer_CC and VT(CC) < MaxCC,
sends a RS - PDU identical to the last RS - PDU sent and remains in state 05.
Selection: Activation by IUT

SSCOP_S05_T_058 subclause 8.2
Ensure that the IUT, in the state 05 after expiry of Timer_CC and VT(CC) ≥ MaxCC,
sends an END - PDU containing END.S including 1 and END.SSCOP-UU including null.
and enters state 01
Selection: Activation by IUT

6.2.5 Begin from state 07 - Outgoing Recovery Pending State

SSCOP_S07_V_001 subclause 8.2
Ensure that the IUT, in the state 07 receiving an ER - PDU,
sends an ERAK - PDU, passes state 08 and enters state 10.

SSCOP_S07_V_002 subclause 8.2
Ensure that the IUT, in the state 07 receiving an ERAK - PDU,
accepts the ERAK - PDU, passes state 08 and enters state 10.

SSCOP_S07_V_003 subclause 8.2
Ensure that the IUT, in the state 07 receiving a BGN - PDU,
accepts the BGN - PDU, passes state 03, sends a BGAK - PDU and
enters state 10.

SSCOP_S07_V_004 subclause 8.2
Ensure that the IUT, in the state 07 receiving an AA-RELEASE-request,
sends an END - PDU and enters state 04.
Selection: Activation by IUT

SSCOP_S07_V_005 subclause 8.2
Ensure that the IUT, in the state 07 receiving an END - PDU,
sends an ENDAK - PDU and enters state 01.

SSCOP_S07_V_006 subclause 8.2
Ensure that the IUT, in the state 07 receiving a SD - PDU,
ignores the SD - PDU and remains in state 07.

SSCOP_S07_V_007 subclause 8.2
Ensure that the IUT, in the state 07 receiving a MD - PDU,
accepts the MD - PDU and remains in state 07.

SSCOP_S07_V_008 subclause 8.2
Ensure that the IUT, in the state 07 receiving an UD - PDU,
accepts the UD - PDU and remains in state 07.

SSCOP_S07_V_009 subclause 8.2
Ensure that the IUT, in the state 07 receiving a RS - PDU,
passes state 06, sends a RSAK - PDU and enters state 10.

SSCOP_S07_V_010 subclause 8.2
Ensure that the IUT, in the state 07 receiving a POLL - PDU,
ignores the POLL - PDU and remains in state 07.

SSCOP_S07_V_011 subclause 8.2
Ensure that the IUT, in the state 07 receiving a STAT - PDU,
ignores the STAT - PDU and remains in state 07.

SSCOP_S07_V_012 subclause 8.2
Ensure that the IUT, in the state 07 receiving an USTAT - PDU,
ignores the USTAT - PDU and remains in state 07.

SSCOP_S07_I_013 subclause 7.8.2 and 8.2
Ensure that the IUT, in the state 07 receiving an AA-UNITDATA request from the SSCF with the local signal 'UD queued up', and with the local congestion 'Lower Layer Busy = NO',
sends an UD - PDU and remains in state 07.
Selection: Activation by the IUT of the local signal 'UD queued up', and setting 'Lower Layer Busy = NO' by the IUT

SSCOP_S07_I_014 subclause 7.8.2 and 8.2
Ensure that the IUT, in the state 07 receiving an MAA-UNITDATA request from the SSCF with the local signal 'MD queued up', and with the local congestion 'Lower Layer Busy = NO',
sends an MD - PDU and remains in state 07.
Selection: Activation by the IUT of the local signal 'MD queued up', and setting 'Lower Layer Busy = NO' by the IUT

SSCOP_S07_I_015 subclause 8.2
Ensure that the IUT, in the state 07 receiving a retransmitted ER - PDU,
ignores the retransmitted ER - PDU and remains in state 07.

SSCOP_S07_I_016 subclause 8.2
Ensure that the IUT, in the state 07 receiving a BGAK - PDU,
ignores the BGAK - PDU and remains in state 07.

SSCOP_S07_I_017 subclause 8.2
Ensure that the IUT, in the state 07 receiving a retransmitted BGN - PDU,
ignores the retransmitted BGN - PDU and remains in state 07.

SSCOP_S07_I_018 subclause 8.2
Ensure that the IUT, in the state 07 receiving an BGREJ - PDU,
accepts the BGREJ - PDU and enters state 01.

SSCOP_S07_I_019 subclause 8.2
Ensure that the IUT, in the state 07 receiving an ENDAK - PDU,
accepts the ENDAK - PDU and enters state 01.

SSCOP_S07_I_020 subclause 8.2
Ensure that the IUT, in the state 07 receiving a RSAK - PDU,
ignores the RSAK - PDU and remains in state 07.

SSCOP_S07_I_021 subclause 8.2
Ensure that the IUT, in the state 07 receiving a retransmitted RS - PDU,
ignores the RS - PDU and remains in state 07.

SSCOP_S07_IV_022 subclause 8.2
Ensure that the IUT, in the state 07 receiving a PDU with unknown type code,
ignores the PDU and remains in state 07.

SSCOP_S07_IV_023 subclause 8.2
Ensure that the IUT, in the state 07 receiving a BGN PDU with incorrect length,
ignores the PDU and remains in state 07.

SSCOP_S07_IV_024 subclause 8.2
Ensure that the IUT, in the state 07 receiving a BGN PDU which is not 32-bit aligned,
ignores the PDU and remains in state 07.

SSCOP_S07_IV_025 subclause 8.2
Ensure that the IUT, in the state 07 receiving a BGN PDU without SSCOP.UU field and the Pad Length field PL not coded as zero,
ignores the PDU and remains in state 07.

SSCOP_S07_IV_026 subclause 8.2
Ensure that the IUT, in the state 07 receiving a BGAK PDU with incorrect length,
ignores the PDU and remains in state 07.

SSCOP_S07_IV_027 subclause 8.2
Ensure that the IUT, in the state 07 receiving a BGAK PDU which is not 32-bit aligned,
ignores the PDU and remains in state 07.

SSCOP_S07_IV_028 subclause 8.2
Ensure that the IUT, in the state 07 receiving a BGAK PDU without SSCOP.UU field and the Pad Length field PL not coded as zero,
ignores the PDU and remains in state 07.

SSCOP_S07_IV_029 subclause 8.2
Ensure that the IUT, in the state 07 receiving a BGREJ PDU with incorrect length,
ignores the PDU and remains in state 07.

SSCOP_S07_IV_030 subclause 8.2
Ensure that the IUT, in the state 07 receiving a BGREJ PDU which is not 32-bit aligned,
ignores the PDU and remains in state 07.

SSCOP_S07_IV_031 subclause 8.2
Ensure that the IUT, in the state 07 receiving a BGREJ PDU without SSCOP.UU field and the Pad Length field PL not coded as zero,
ignores the PDU and remains in state 07.

SSCOP_S07_IV_032 subclause 8.2
Ensure that the IUT, in the state 07 receiving a END PDU with incorrect length,
ignores the PDU and remains in state 07.

SSCOP_S07_IV_033 subclause 8.2
Ensure that the IUT, in the state 07 receiving a END PDU which is not 32-bit aligned,
ignores the PDU and remains in state 07.

SSCOP_S07_IV_034 subclause 8.2
Ensure that the IUT, in the state 07 receiving a END PDU without SSCOP.UU field and the Pad Length field PL not coded as zero,
ignores the PDU and remains in state 07.

SSCOP_S07_IV_035 subclause 8.2
Ensure that the IUT, in the state 07 receiving a ENDAK PDU with incorrect length,
ignores the PDU and remains in state 07.

SSCOP_S07_IV_036 subclause 8.2
Ensure that the IUT, in the state 07 receiving a ENDAK PDU which is not 32-bit aligned,
ignores the PDU and remains in state 07.

SSCOP_S07_IV_037 subclause 8.2
Ensure that the IUT, in the state 07 receiving a RS PDU with incorrect length,
ignores the PDU and remains in state 07.

SSCOP_S07_IV_038 subclause 8.2
Ensure that the IUT, in the state 07 receiving a RS PDU which is not 32-bit aligned,
ignores the PDU and remains in state 07.

SSCOP_S07_IV_039 subclause 8.2
Ensure that the IUT, in the state 07 receiving a RS PDU without SSCOP.UU field and the Pad Length field PL not coded as zero,
ignores the PDU and remains in state 07.

SSCOP_S07_IV_040 subclause 8.2
Ensure that the IUT, in the state 07 receiving a RSAK PDU with incorrect length,
ignores the PDU and remains in state 07.

SSCOP_S07_IV_041 subclause 8.2
Ensure that the IUT, in the state 07 receiving a RSAK PDU which is not 32-bit aligned, ignores the PDU and remains in state 07.

SSCOP_S07_IV_042 subclause 8.2
Ensure that the IUT, in the state 07 receiving a ER PDU with incorrect length, ignores the PDU and remains in state 07.

SSCOP_S07_IV_043 subclause 8.2
Ensure that the IUT, in the state 07 receiving a ER PDU which is not 32-bit aligned, ignores the PDU and remains in state 07.

SSCOP_S07_IV_044 subclause 8.2
Ensure that the IUT, in the state 07 receiving a ERAK PDU with incorrect length, ignores the PDU and remains in state 07.

SSCOP_S07_IV_045 subclause 8.2
Ensure that the IUT, in the state 07 receiving a ERAK PDU which is not 32-bit aligned, ignores the PDU and remains in state 07.

SSCOP_S07_IV_046 subclause 8.2
Ensure that the IUT, in the state 07 receiving a SD PDU with incorrect length, ignores the PDU and remains in state 07.

SSCOP_S07_IV_047 subclause 8.2
Ensure that the IUT, in the state 07 receiving a SD PDU which is not 32-bit aligned, ignores the PDU and remains in state 07.

SSCOP_S07_IV_048 subclause 8.2
Ensure that the IUT, in the state 07 receiving a POLL PDU with incorrect length, ignores the PDU and remains in state 07.

SSCOP_S07_IV_049 subclause 8.2
Ensure that the IUT, in the state 07 receiving a POLL PDU which is not 32-bit aligned, ignores the PDU and remains in state 07.

SSCOP_S07_IV_050 subclause 8.2
Ensure that the IUT, in the state 07 receiving a STAT PDU with incorrect length, ignores the PDU and remains in state 07.

SSCOP_S07_IV_051 subclause 8.2
Ensure that the IUT, in the state 07 receiving a STAT PDU which is not 32-bit aligned, ignores the PDU and remains in state 07.

SSCOP_S07_IV_052 subclause 8.2
Ensure that the IUT, in the state 07 receiving a USTAT PDU with incorrect length, ignores the PDU and remains in state 07.

SSCOP_S07_IV_053 subclause 8.2
Ensure that the IUT, in the state 07 receiving a USTAT PDU which is not 32-bit aligned, ignores the PDU and remains in state 07.

SSCOP_S07_IV_054 subclause 8.2
Ensure that the IUT, in the state 07 receiving a UD PDU with incorrect length, ignores the PDU and remains in state 07.

SSCOP_S07_IV_055 subclause 8.2
Ensure that the IUT, in the state 07 receiving a UD PDU which is not 32-bit aligned, ignores the PDU and remains in state 07.

SSCOP_S07_IV_056 subclause 8.2
Ensure that the IUT, in the state 07 receiving a MD PDU with incorrect length,
ignores the PDU and remains in state 07.

SSCOP_S07_IV_057 subclause 8.2
Ensure that the IUT, in the state 07 receiving a MD PDU which is not 32-bit aligned,
ignores the PDU and remains in state 07.

SSCOP_S07_T_058 subclause 8.2
Ensure that the IUT, in the state 07 after expiry of Timer_CC and VT(CC) < MaxCC,
sends an ER - PDU identical to the last ER - PDU sent and remains in state 07.

SSCOP_S07_T_059 subclause 8.2
Ensure that the IUT, in the state 07 after expiry of Timer_CC and VT(CC) ≥ MaxCC,
sends an END - PDU containing END.S including 1 and END.SSCOP-UU including null and enters state 01.

6.2.6 Begin from state 10 - Data Transfer Ready State

SSCOP_S10_V_001 subclause 8.2
Ensure that the IUT, in the state 10 receiving a MD - PDU
accepts the MD - PDU and remains in state 10.

SSCOP_S10_V_002 subclause 8.2
Ensure that the IUT, in the state 10 receiving an UD - PDU
accepts the UD - PDU and remains in state 10.

SSCOP_S10_V_003 subclause 8.2
Ensure that the IUT, in the state 10 receiving an AA-RELEASE-request from SSCF,
sends an END - PDU and enters state 04.

SSCOP_S10_V_004 subclause 8.2
Ensure that the IUT, in the state 10 receiving an AA-RESYNC-request from SSCF,
sends an RS - PDU and enters state 05.
Selection: Activation by IUT

SSCOP_S10_V_005 subclause 8.2
Ensure that the IUT, in the state 10 receiving an END - PDU,
sends an ENDAK - PDU and enters state 01.

SSCOP_S10_V_006 subclause 8.2
Ensure that the IUT, in the state 10 receiving a retransmitted ER - PDU,
sends an ERAK - PDU and remains in state 10.

SSCOP_S10_V_007 subclause 8.2
Ensure that the IUT, in the state 10 receiving an ER - PDU
accepts the ER - PDU, passes state 09, sends an ERAK - PDU and enters state 10.

SSCOP_S10_V_008 subclause 8.2
Ensure that the IUT, in the state 10 receiving an ERAK - PDU,
ignores the ERAK - PDU and remains in state 10.

SSCOP_S10_V_009 subclause 8.2
Ensure that the IUT, in the state 10 receiving a retransmitted RS - PDU,
sends a RSAK - PDU and remains in state 10.

SSCOP_S10_V_010 subclause 8.2
Ensure that the IUT, in the state 10 receiving a RSAK - PDU,
ignores the RSAK - PDU and remains in state 10.

SSCOP_S10_V_011 subclause 8.2
Ensure that the IUT, in the state 10 receiving a POLL - PDU and VR(H) ≤ POLL.N(S); VR(MR) < POLL.N(S) and VR(R) = VR(H)
sends a STAT - PDU and remains in state 10.

SSCOP_S10_V_012 subclause 8.2
Ensure that the IUT, in the state 10 receiving a POLL - PDU and VR(H) ≤ POLL.N(S); VR(MR) < POLL.N(S) and VR(R) < VR(H)) and list-length ≥ MaxSTAT
sends a segmented list of STAT - PDU and remains in state 10.

SSCOP_S10_V_013 subclause 8.2
Ensure that the IUT, in the state 10 receiving a POLL - PDU and VR(H) ≤ POLL.N(S); VR(MR) ≥ POLL.N(S) and VR(R) = VR(H))
sends a STAT - PDU and remains in state 10.

SSCOP_S10_V_014 subclause 8.2
Ensure that the IUT, in the state 10 receiving a POLL - PDU and VR(H) ≤ POLL.N(S); VR(MR) ≥ POLL.N(S) and VR(R) < VR(H) and List_Length ≥ MaxSTAT,
sends a segmented list of STAT PDU and remains in state 10.

SSCOP_S10_V_015 subclause 8.2
Ensure that the IUT, in the state 10 receiving a POLL - PDU and VR(H) ≤ POLL.N(S); VR(MR) < POLL.N(S) and VR(R) < VR(H)
sends a STAT - PDU and remains in state 10.

SSCOP_S10_V_016 subclause 8.2
Ensure that the IUT, in the state 10 receiving a POLL - PDU and VR(H) ≤ POLL.N(S); VR(MR) ≥ POLL.N(S) and VR(R) < VR(H)
sends a STAT - PDU and remains in state 10.

SSCOP_S10_V_017 subclause 8.2
Ensure that the IUT, in the state 10 receiving a BGAK - PDU,
ignores the BGAK - PDU and remains in state 10.

SSCOP_S10_V_018 subclause 8.2
Ensure that the IUT, in the state 10 receiving a retransmitted BGN - PDU,
sends a BGAK - PDU containing BGAK.SSCOP-UU including the SSCOP-UU value sent in the last BGAK - PDU (if available)
or containing BGAK.SSCOP-UU including null and remains in state 10.

SSCOP_S10_V_019 subclause 8.2
Ensure that the IUT, in the state 10 receiving a RS - PDU
accepts the RS - PDU, passes state 06, sends a RSAK PDU
and enters state 10.

SSCOP_S10_V_020 subclause 8.2
Ensure that the IUT, in the state 10 receiving a BGN - PDU
accepts the BGN - PDU, passes state 03, sends a BGAK - PDU
and enters state 10.

SSCOP_S10_V_021 subclause 8.2
Ensure that the IUT, in the state 10 after reaching the MaxPD by sending a POLL PDU after every SD
sends a POLL - PDU.

SSCOP_S10_I_022 subclause 7.8.2 and 8.2
Ensure that the IUT, in the state 10 receiving an AA-UNITDATA request from the SSCF with the local signal ‘UD queued up’, and with the local congestion ‘Lower Layer Busy = NO’,
sends an UD - PDU and remains in state 10.
Selection: Activation by the IUT of the local signal ‘UD queued up’, and setting ‘Lower Layer Busy = NO’ by the IUT

SSCOP_S10_I_023 subclause 7.8.2 and 8.2
Ensure that the IUT, in the state 10 receiving an MAA-UNITDATA request from the SSCF with the local signal 'MD queued up', and with the local congestion 'Lower Layer Busy = NO',
sends an MD - PDU and remains in state 10.
Selection: Activation by the IUT of the local signal 'MD queued up', and setting 'Lower Layer Busy = NO' by the IUT

SSCOP_S10_I_024 subclause 8.2
Ensure that the IUT, in the state 10 receiving a POLL - PDU and VR(H) > POLL.N(S)
sends an ER - PDU and enters state 07.

SSCOP_S10_I_025 subclause 8.2
Ensure that the IUT, in the state 10 receiving a STAT - PDU and VT(PA) > STAT.N(PS),
sends an ER - PDU and enters state 07.

SSCOP_S10_I_026 subclause 8.2
Ensure that the IUT, in the state 10 receiving a STAT - PDU and STAT.N(PS) > VT(PS))
sends an ER - PDU and enters state 07.

SSCOP_S10_I_027 subclause 8.2
Ensure that the IUT, in the state 10 receiving a STAT - PDU and
VT(PA) ≤ STAT.N(PS) ≤ VT(PS) and VT(A) > STAT.N(R) > VT(S)
sends an ER - PDU and enters state 07.

SSCOP_S10_I_028 subclause 8.2
Ensure that the IUT, in the state 10 receiving a STAT - PDU and
VT(PA) ≤ STAT.N(PS) ≤ VT(PS) and VT(A) ≤ STAT.N(R) ≤ VT(S)
and seq1 ≥ VT(S)
sends an ER - PDU and enters state 07.

SSCOP_S10_I_029 subclause 8.2
Ensure that the IUT, in the state 10 receiving a STAT - PDU and
VT(PA) ≤ STAT.N(PS) ≤ VT(PS) and VT(A) ≤ STAT.N(R) ≤ VT(S)
and seq1 < VT(S) and seq1 ≥ seq2.
sends an ER - PDU and enters state 07.

SSCOP_S10_I_030 subclause 8.2
Ensure that the IUT, in the state 10 receiving an USTAT - PDU and VT(A) > USTAT.N(R),
sends an ER - PDU and enters state 07.

SSCOP_S10_I_031 subclause 8.2
Ensure that the IUT, in the state 10 receiving an USTAT - PDU and USTAT.N(R) ≥ VT(S))
sends an ER - PDU and enters state 07.

SSCOP_S10_I_032 subclause 8.2
Ensure that the IUT, in the state 10 receiving an USTAT - PDU and
VT(A) ≤ USTAT.N(R) < VT(S); VT(A) ≤ seq1 < seq2 < VT(S) and
SD.N(S) = seq1 is in transmission buffer
sends a SD PDU with SD.N(S) = seq1 and remains in state 10.

SSCOP_S10_I_033 subclause 8.2
Ensure that the IUT, in the state 10 receiving an USTAT - PDU and VT(A) ≤ USTAT.N(R) < VT(S)
and VT(A) > seq1
sends an ER - PDU and enters state 07.

SSCOP_S10_I_034 subclause 8.2
Ensure that the IUT, in the state 10 receiving an USTAT - PDU and VT(A) ≤ USTAT.N(R) < VT(S)
and VT(A) < seq1 and VT(S) < seq1
sends an ER - PDU and enters state 07.

SSCOP_S10_I_035 subclause 8.2
Ensure that the IUT, in the state 10 receiving an USTAT - PDU and VT(A) ≤ USTAT.N(R) < VT(S) and VT(A) ≤ seq1 < VT(S); VT(A) ≤ seq2 < VT(S) and seq1 ≥ seq2
sends an ER - PDU and enters state 07.

SSCOP_S10_I_036 subclause 8.2
Ensure that the IUT, in the state 10 receiving a SD - PDU and SD.N(S) ≥ VR(MR) and VR(H) < VR(MR)
sends an USTAT PDU containing list element 1 including VR(H) and list element 2 including VR(MR) and remains in state 10.

SSCOP_S10_I_037 subclause 8.2
Ensure that the IUT, in the state 10 receiving a SD - PDU and SD.N(S) ≥ VR(MR); VR(H) ≥ VR(MR)
ignores the SD - PDU and remains in state 10.

SSCOP_S10_I_038 subclause 8.2
Ensure that the IUT, in the state 10 receiving a SD - PDU and SD.N(S) < VR(MR); SD.N(S) > < VR(R); receiver buffer available and SD.N(S) = VR(H)),
accepts the SD - PDU and remains in state 10.

SSCOP_S10_I_039 subclause 8.2
Ensure that the IUT, in the state 10 receiving a SD - PDU and SD.N(S) < VR(MR); SD.N(S) > < VR(R); VR(H) > SD.N(S) and SD.N(S) already in receiver buffer
sends an ER - PDU and enters state 07.

SSCOP_S10_I_040 subclause 8.2
Ensure that the IUT, in the state 10 receiving a SD - PDU and SD.N(S) < VR(MR); SD.N(S) > < VR(R); VR(H) > SD.N(S) and SD.N(S) not in receiver buffer
accepts the SD - PDU and remains in state 10.

SSCOP_S10_I_041 subclause 8.2
Ensure that the IUT, in the state 10 receiving a SD - PDU and SD.N(S) < VR(MR); SD.N(S) = VR(R) and SD.N(S) = VR(H))
accepts the SD - PDU and remains in state 10.

SSCOP_S10_I_042 subclause 8.2
Ensure that the IUT, in the state 10 receiving a SD - PDU and SD.N(S) < VR(MR); SD.N(S) > < VR(R) and VR(H) < SD.N(S))
sends an USTAT - PDU containing list element 1 including VR(H) and list element 2 including SD.N(S) and remains in state 10.

SSCOP_S10_I_043 subclause 8.2
Ensure that the IUT, in the state 10 receiving an ENDAK - PDU
accepts the ENDAK - PDU and enters state 01.

SSCOP_S10_I_044 subclause 8.2
Ensure that the IUT, in the state 10 receiving a BGREJ - PDU
accepts the BGREJ - PDU and enters state 01.

SSCOP_S10_IV_045 subclause 8.2
Ensure that the IUT, in the state 10 receiving a PDU with unknown type code
ignores the PDU and remains in state 10.

SSCOP_S10_IV_046 subclause 8.2
Ensure that the IUT, in the state 10 receiving a BGN PDU with incorrect length,
ignores the PDU and remains in state 10.

SSCOP_S10_IV_047 subclause 8.2
Ensure that the IUT, in the state 10 receiving a BGN PDU which is not 32-bit aligned,
ignores the PDU and remains in state 10.

SSCOP_S10_IV_048 subclause 8.2
Ensure that the IUT, in the state 10 receiving a BGN PDU without SSCOP.UU field and the Pad Length field PL not coded as zero,
ignores the PDU and remains in state 10.

SSCOP_S10_IV_049 subclause 8.2
Ensure that the IUT, in the state 10 receiving a BGAK PDU with incorrect length,
ignores the PDU and remains in state 10.

SSCOP_S10_IV_050 subclause 8.2
Ensure that the IUT, in the state 10 receiving a BGAK PDU which is not 32-bit aligned,
ignores the PDU and remains in state 10.

SSCOP_S10_IV_051 subclause 8.2
Ensure that the IUT, in the state 10 receiving a BGAK PDU without SSCOP.UU field and the Pad Length field PL not coded as zero,
ignores the PDU and remains in state 10.

SSCOP_S10_IV_052 subclause 8.2
Ensure that the IUT, in the state 10 receiving a BGREJ PDU with incorrect length,
ignores the PDU and remains in state 10.

SSCOP_S10_IV_053 subclause 8.2
Ensure that the IUT, in the state 10 receiving a BGREJ PDU which is not 32-bit aligned,
ignores the PDU and remains in state 10.

SSCOP_S10_IV_054 subclause 8.2
Ensure that the IUT, in the state 10 receiving a BGREJ PDU without SSCOP.UU field and the Pad Length field PL not coded as zero,
ignores the PDU and remains in state 10.

SSCOP_S10_IV_055 subclause 8.2
Ensure that the IUT, in the state 10 receiving a END PDU with incorrect length,
ignores the PDU and remains in state 10.

SSCOP_S10_IV_056 subclause 8.2
Ensure that the IUT, in the state 10 receiving a END PDU which is not 32-bit aligned,
ignores the PDU and remains in state 10.

SSCOP_S10_IV_057 subclause 8.2
Ensure that the IUT, in the state 10 receiving a END PDU without SSCOP.UU field and the Pad Length field PL not coded as zero,
ignores the PDU and remains in state 10.

SSCOP_S10_IV_058 subclause 8.2
Ensure that the IUT, in the state 10 receiving a ENDAK PDU with incorrect length,
ignores the PDU and remains in state 10.

SSCOP_S10_IV_059 subclause 8.2
Ensure that the IUT, in the state 10 receiving a ENDAK PDU which is not 32-bit aligned,
ignores the PDU and remains in state 10.

SSCOP_S10_IV_060 subclause 8.2
Ensure that the IUT, in the state 10 receiving a RS PDU with incorrect length,
ignores the PDU and remains in state 10.

SSCOP_S10_IV_061 subclause 8.2
Ensure that the IUT, in the state 10 receiving a RS PDU which is not 32-bit aligned,
ignores the PDU and remains in state 10.

SSCOP_S10_IV_062 subclause 8.2
Ensure that the IUT, in the state 10 receiving a RS PDU without SSCOP.UU field and the Pad Length field PL not coded as zero,
ignores the PDU and remains in state 10.

SSCOP_S10_IV_063 subclause 8.2
Ensure that the IUT, in the state 10 receiving a RSAK PDU with incorrect length,
ignores the PDU and remains in state 10.

SSCOP_S10_IV_064 subclause 8.2
Ensure that the IUT, in the state 10 receiving a RSAK PDU which is not 32-bit aligned,
ignores the PDU and remains in state 10.

SSCOP_S10_IV_065 subclause 8.2
Ensure that the IUT, in the state 10 receiving a ER PDU with incorrect length,
ignores the PDU and remains in state 10.

SSCOP_S10_IV_066 subclause 8.2
Ensure that the IUT, in the state 10 receiving a ER PDU which is not 32-bit aligned,
ignores the PDU and remains in state 10.

SSCOP_S10_IV_067 subclause 8.2
Ensure that the IUT, in the state 10 receiving a ERAK PDU with incorrect length,
ignores the PDU and remains in state 10.

SSCOP_S10_IV_068 subclause 8.2
Ensure that the IUT, in the state 10 receiving a ERAK PDU which is not 32-bit aligned,
ignores the PDU and remains in state 10.

SSCOP_S10_IV_069 subclause 8.2
Ensure that the IUT, in the state 10 receiving a SD PDU with incorrect length,
ignores the PDU and remains in state 10.

SSCOP_S10_IV_070 subclause 8.2
Ensure that the IUT, in the state 10 receiving a SD PDU which is not 32-bit aligned,
ignores the PDU and remains in state 10.

SSCOP_S10_IV_071 subclause 8.2
Ensure that the IUT, in the state 10 receiving a POLL PDU with incorrect length,
ignores the PDU and remains in state 10.

SSCOP_S10_IV_072 subclause 8.2
Ensure that the IUT, in the state 10 receiving a POLL PDU which is not 32-bit aligned,
ignores the PDU and remains in state 10.

SSCOP_S10_IV_073 subclause 8.2
Ensure that the IUT, in the state 10 receiving a STAT PDU with incorrect length,
ignores the PDU and remains in state 10.

SSCOP_S10_IV_074 subclause 8.2
Ensure that the IUT, in the state 10 receiving a STAT PDU which is not 32-bit aligned,
ignores the PDU and remains in state 10.

SSCOP_S10_IV_075 subclause 8.2
Ensure that the IUT, in the state 10 receiving a USTAT PDU with incorrect length,
ignores the PDU and remains in state 10.

SSCOP_S10_IV_076 subclause 8.2
Ensure that the IUT, in the state 10 receiving a USTAT PDU which is not 32-bit aligned,
ignores the PDU and remains in state 10.

SSCOP_S10_IV_077 subclause 8.2
Ensure that the IUT, in the state 10 receiving a UD PDU with incorrect length,
ignores the PDU and remains in state 10.

SSCOP_S10_IV_078 subclause 8.2
Ensure that the IUT, in the state 10 receiving a UD PDU which is not 32-bit aligned,
ignores the PDU and remains in state 10.

SSCOP_S10_IV_079 subclause 8.2
Ensure that the IUT, in the state 10 receiving a MD PDU with incorrect length,
ignores the PDU and remains in state 10.

SSCOP_S10_IV_080 subclause 8.2
Ensure that the IUT, in the state 10 receiving a MD PDU which is not 32-bit aligned,
ignores the PDU and remains in state 10.

SSCOP_S10_T_081 subclause 8.2
Ensure that the IUT, in the state 10 after expiry of Timer_POLL
sends a POLL - PDU and remains in state 10.

SSCOP_S10_T_082 subclause 8.2
Ensure that the IUT, in the state 10 after expiry of Timer_KEEPALIVE
sends a POLL - PDU and remains in state 10.

SSCOP_S10_T_083 subclause 8.2
Ensure that the IUT, in the state 10 after expiry of Timer_IDLE
sends a POLL - PDU and remains in state 10.

SSCOP_S10_T_084 subclause 8.2
Ensure that the IUT, in the state 10 after expiry of Timer_NO_RESPONSE
sends an END - PDU containing END.SSCOP-UU including null and END.S
including 1 and enters state 01.

7 Compliance

An ATS which complies with this TSS&TP specification shall:

a) consist of a set of test cases corresponding to the set or to a subset of the TPs specified in clause 6;
b) use a TSS which is an appropriate subset of the whole of the TSS specified in clause 5;
c) use the same naming conventions for the test groups and test cases;
d) maintain the relationship specified in clause 6 between the test groups and TPs and the entries in the PICS proforma to be used for test case deselection;
e) comply with ISO/IEC 9646-2 [3].

In the case of a) or b) above, a subset shall be used only where a particular Abstract Test Method (ATM) makes some TPs untestable.

8 Requirements for a comprehensive testing service

As a minimum the Remote test method, as specified in ISO/IEC 9646-2 [3], shall be used by any organization claiming to provide a comprehensive testing service for network equipment claiming conformance to ETS 300 436-1 [1].

History

Document history			
November 1997	Public Enquiry	PE 9813:	1997-11-28 to 1998-03-27