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Information technology — Telecommunications and information exchange between systems — X.25-DTE conformance testing —

Part 3:
Packet layer conformance test suite

Technologies de l'information — Télécommunications et échange d'informations entre systèmes — Tests de conformité à X.25 des ETTD —

Partie 3: Suite de tests de conformité pour le niveau paquet

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Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC also take part in the work.

In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

International Standard ISO/IEC 8882-3 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*.

ISO/IEC 8882 consists of the following parts, under the general title *Information technology — Telecommunications and information exchange between systems — X.25-DTE conformance testing*

- *Part 1: General principles*
- *Part 2: Data link layer test suite*
- *Part 3: Packet layer conformance test suite*

Annex A forms an integral part of this part of ISO/IEC 8882.

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Introduction

This part of ISO/IEC 8882 specifies a set of tests to evaluate Data Terminal Equipment (DTE) conformance to International Standards ISO 7776 (X.25 LAPB) and/or ISO 8208 (X.25 Packet Layer). ISO 7776 and ISO 8208 allow for a DTE to interface with a Data Circuit-Terminating Equipment (DCE) conforming to CCITT Recommendation X.25 or to another DTE conforming to ISO 7776 and/or ISO 8208. ISO 8208 also allows for connection to Local Area Networks.

CCITT Recommendation X.25 1980 and X.25 1984 are written from the perspective of a DCE and therefore do not explicitly specify the DTE operation. However, recommended operation of DTEs is included by implication because of the need to communicate with X.25 DCEs. Tests within this part of ISO/IEC 8882 pertaining to X.25 1980 and X.25 1984 are based on the DTE operational characteristics implied by CCITT X.25.

This part of ISO/IEC 8882 presents the packet layer aspects for evaluating conformance to ISO 8208 and follows the procedures and guidelines defined in ISO/IEC 9646.

Where it is claimed that X.25 is used to provide the OSI Network Layer Service, the conformance tests as defined in this part of ISO/IEC 8882 can be used to verify the implementation of the necessary protocol elements.

The test suite is presented in an abstract form by means of the test case notation TTCN, as defined in ISO/IEC 9646-3. This is an abstract set of tests not every test applies to every public network or every type of DTE.

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Part 3:
Packet layer conformance test suite

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1 Scope

This International Standard specifies a set of abstract tests for verifying that the implementation of X.25 protocols, for use by Data Terminal Equipment (DTE), conform to the requirements of International Standards that specify those protocols.

This International Standard

a) specifies a PIXIT proforma;

b) describes the relationship of the PICS to the test suite;

c) describes the relationship of the PIXIT to the test suite;

d) specifies a set of abstract tests using TTCN Graphical notation.

This part of ISO/IEC 8882 defines the testing of a DTE operating at the packet layer designed to access a public or private packet-switched network conforming to CCITT Recommendation X.25 (1980, 1984) or another DTE conforming to ISO 8208.The specification of test cases in executable/machine processable TTCN is outside the scope of this part of ISO/IEC 8882.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO/IEC 8882. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO/IEC 8882 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 7498 : 1984, *Information processing systems — Open Systems Interconnection — Basic Reference Model.*

ISO 7776 : 1986, *Information processing systems — Data communications — High-level data link control procedures — Description of the X.25 LAPB-compatible DTE data link procedures.*

ISO/IEC 8208 : 1990, *Information technology — Data communications — X.25 Packet layer Protocol for Data Terminal Equipment.*

ISO/IEC 8208/Amd. 3 : 1991, *Information technology — Data communications — X.25 Packet Layer Protocol for Data Terminal Equipment*
Addendum 3: Conformance requirements.

ISO/IEC 8882-1 : -[1)], *Information technology — Telecommunications and information exchange between systems — X.25 DTE conformance testing*
Part 1: General principles.

ISO/IEC 9646-1 : 1991[1)], *Information technology — Open Systems Interconnection — Conformance testing methodology and framework —*
Part 1: General concepts.

1) To be published.

ISO/IEC 9646-2 : 1991 [1], *Information technology — Open Systems Interconnection — Conformance testing methodology and framework — Part 2: Abstract test suite specification.*

ISO/IEC DIS 9646-3 : 1991 [1], *Information technology — Open Systems Interconnection — Conformance testing methodology and framework — Part 3: Tree and tabular combined notation.*

ISO/IEC 9646-4 : 1991 [1], *Information technology — Open Systems Interconnection — Conformance testing methodology and framework — Part 4: Test realization.*

ISO/IEC 9646-5 : 1991 [1], *Information technology — Open Systems Interconnection — Conformance testing methodology and framework — Part 5: Requirements on test laboratories and clients for the conformance assessment process.*

CCITT Recommendation X.25 (1980), *Interface between Data Terminal Equipment (DTE) and Data Circuit-Terminating Equipment (DCE) for Terminals Operating in the Packet Mode on Public Data Networks.*

CCITT Recommendation X.25 (1984), *Interface between Data Terminal Equipment (DTE) and Data Circuit-Terminating Equipment (DCE) for Terminals Operating in the Packet Mode and Connected to Public Data Networks by Dedicated Circuit.*

3 Definitions

3.1 Reference model definitions

This part of ISO/IEC 8882 makes use of the following term defined in ISO 7498:

(N)-protocol-data-unit (N-PDU)

3.2 Conformance testing definitions

This part of ISO/IEC 8882 makes use of the following terms defined in ISO/IEC 9646.

a) Abstract Test Suite

b) Conforming System or Implementation

c) Conformance Test Suite

d) Conformance Testing

e) Executable Test Suite

f) Postamble.

g) Preamble

h) Protocol Implementation Conformance Statement

i) Protocol Implementation eXtra Information for Testing

j) Test Group

k) Test Step

l) Test Suite

3.3 X.25-DTE conformance testing definitions

This part of ISO/IEC 8882 makes use of the following terms defined in ISO/IEC 8882-1.

a) Improper PDU

b) Inopportune PDU

c) Proper PDU

d) Test Subgroup

e) Test Selection

f) Tester

g) Transient States.

3.4 Additional definitions

For the purposes of this part of ISO/IEC 8882, the following definitions apply.

3.4.1 proper packet

A packet that is a proper PDU.

3.4.2 improper packet

A packet that is an improper PDU.

3.4.3 inopportune packet

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A packet that is an inopportune PDU.

4 Abbreviations

The following abbreviations are used in this part of ISO/IEC 8882:

ADX Address

ATS Abstract Test Sute

ETS Executable Test Suite

FAC Facility

IUT Implementation Under Test

LCI Logical Channel Identifier

LEN Length

PCO Point of Control and Observation

PDU Protocol Data Unit

PICS Protocol Implementation Conformance Statement

PIXIT Protocol Implementation eXtra Information for Testing

PKT Packet

PLG Packet Layer Group

RX Receive

TST Tester

TX Transmit

UDF User Data Field

5 Conformance

The test realizer shall comply with the requirements of ISO/IEC 9646-4. In particular, these concern the realization of an ETS based on the ATS. Test laboratories running conformance test services for this abstract test suite shall comply with ISO/IEC 9646-5.

6 Test suite information

6.1 Packet layer test suite structure

The packet layer tests are grouped as shown in table 1.

Table 1 — Packet layer test groups

Packet layer test group #	Test groups	Packet layer test group #	Test groups
1	r1 - Packet Layer Ready State	16	j1 - DXE Interrupt Ready State
2	r2 - DTE Restart Request State	17	j2 - DXE Interrupt Sent State
3	r3 - DXE Restart Indication State	18	f1 - DXE Receive Ready State
4	p1 - Ready State	19	f2 - DXE Receive Not Ready State
5	p2 - DTE Call Request State	20	g1 - DTE Receive Ready State
6	p3 - DXE Incoming Call State	21	g2 - DTE Receive Not Ready State[2]
7	p4 - Data Transfer State	22	Data Transfer
8	p5 - Call Collision State	23	Timer Tests
9	p6 - DTE Clear Request State	24	Address
10	p7 - DXE Clear Indication State	25	Facility
11	d1 - Flow Control Ready State	26	Registration
12	d2 - DTE Reset Request State	27	Multiple Logical Channel Assignment
13	d3 - DXE Reset Indication State	28	DTE/DTE Tests
14	i1 - DTE Interrupt Ready State		
15	i2 - DTE Interrupt Sent State		

2) This group has been deleted but the number has been retained for consistency.

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For each test group that tests a packet layer state (PLG1 through PLG28), the test cases specified are categorized into the following three subgroups.

- Subgroup 1 contains test cases in which the Tester transmits a **proper** test packet, these test cases are identified with a one hundred series test case identifier xx_1xx.

- Subgroup 2 contains test cases in which the Tester transmits an **improper** test packet, these test cases are identified with a two hundred series test case identifier xx_2xx.

- Subgroup 3 contains test cases in which the Tester transmits an **inopportune** test packet, these test cases are identified with a three hundred series test case identifier xx_3xx.

6.2 Packet layer initialization

In accordance with ISO 8208, 3.10, the DTE must transmit a Restart Request whenever link layer initialization has completed. However, DTEs developed in conformance with the 1980 and 1984 versions of Recommendation X.25 are not required to send a Restart Request at this time. To accommodate both DTE implementations, the Tester initiates the restart procedure upon completion of link layer initialization.

The Tester will accept either a Restart Confirmation or a Restart Request as a valid response to its Restart Indication, as shown below in example EG_001.
Packet layer initialization always occurs once at the start of a test session. State initialization, on the other hand, is performed many times during a test session as part of each test case. Packet layer initialization will also occur as part of state initialization when the previously executed test case results in a Fail or Inconclusive verdict, or the previously executed test case is part of PLG 1, 2, 3, 26 or in test groups in which the Restart procedure is executed as part of state initialization (PLG 1, 2, 3 and 26).

The following are examples of initialization of ISO 8208 over ISO 7776 (LAPB). Any other examples of initialization sequences using other underlying protocols are not shown, but may be appropriate. For example, normal state initialization steps in state r1 (PLG 1) are as shown in figure 1.

For those DTEs which disconnect the link upon receipt of a Restart Indication (or transmittal of a Restart Request) the state initialization steps include link layer initialization as shown in figure 2.

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Figure 1

Test Case Dynamic Behaviour				
Reference: Example Test Step / Packet Layer Initialization Identifier: EG_001 Objective: An example test step illustrating Packet Layer Initialization Default Reference:				
Behaviour Description	Label	Constraints Reference	V	Comments
EG_001 **!RESTART START TD** **?RESTARTC CANCEL TD** **?RESTART CANCEL TD** **?TIMEOUT TD** **?OTHERWISE CANCEL TD**		**STRT_DCE** **STRTC** **STRT_DTEA**	 **F** **F**	**1** **TD expired**
Extended Comments: 1) the Restart is sent upon successful initialization of the Data Link Layer				

Figure 2

Test Case Dynamic Behaviour				
Reference: Example Test Step / Packet Layer Initialization / Link Layer Initialization Identifier: EG_002 Objective: An example test step illustrating Packet Layer Initialization that includes Data Link Layer Initialization Default Reference:				
Behaviour Description	**Label**	**Constraints Reference**	**V**	**Comments**
EG_002 [L,D]				
L!RESTART START TD		**STRT_DCE**		
L?RESTARTC START TD		**STRTC**		
D?DISC CANCEL TD		**DISC_1**		**wait for disc**
+LINK_INIT				
L?TIMEOUT TD			**F**	
L?RESTART START TD		**STRT_DTEA**		
D?DISC CANCEL TD		**DISC_1**		
+LINK_INIT				
L?TIMEOUT TD			**F**	**TD expired**
L?TIMEOUT TD			**F**	**TD expired**
L?OTHERWISE CANCEL TD			**F**	
LINK_INIT				
D!UA		**UA_DCE**		**send UA**
D?SABM		**SABM_1**		**wait for SABM**
D!UA		**UA_DCE**		**send UA**
L!RESTART START TD		**STRT_DCE**		
L?RESTARTC CANCEL TD		**STRTC**		
L?RESTART CANCEL TD		**STRT_DTEA**		
L?TIMEOUT TD			**F**	
L?OTHERWISE CANCEL TD			**F**	
Extended Comments: L is the PCO at the Tester (Packet Layer) to Link Layer interface. D is the PCO at the Link Layer to Physical interface. This example uses the Multi-layer testing method, the Packet Layer Test Suite only uses the Remote Single-layer testing method.				

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6.3 DTE-initiated actions

DTE-initiated actions specified by the test suite are handled using the Implicit Send mechanism defined in ISO/IEC 9646-3. The ability of the IUT to perform these actions, and its ability to execute the tests containing the actions, is determined by the information provided in the PIXIT and the PICS.

6.4 Timer definitions

This part of ISO/IEC 8882 defines the following timers:

TR - the time required by the IUT to resume testing after completion of the Restart procedure. The duration is provided in PIXIT question 1.18a and contained in the test suite parameter TR_DELAY;

TC - the time required by the IUT to resume testing after completion of the Clear procedure. The duration is provided in PIXIT question 1.18b and contained in the test sutie parameter TC_DELAY;

TS - the time required by the IUT to resume testing after completion of the Reset procedure. The duration is provided in PIXIT question 1.18c and contained in the test suite parameter TS_DELAY;

TD - the time that the Tester waits before determining that the IUT will not respond to a Tester stimulus. For example, how long the Tester should wait before assuming that the IUT has either discarded or failed to respond to the stimulus. TD must be less than all other timers specific to ISO 8208, i.e. T20 through T28. The duration is calculated by the formula contained in the PIXIT question 1.23 (TD = 2 * TD_RESPONSE + MAX(TO_R3, TO_P3, TO_P7, TO_D3, TO_J2) and contained in the test suite parameter TD_WAIT_TIME.

TD_RESP - is the maximum time that the tester should wait for an immediate response from the IUT to a tester stimulus. The duration is provided in PIXIT question 1.20 and contained in TD_RESPONSE;

TDEL - is a tolerance used in testing timers T20 - T28 of the base standard. The duration is provided in PIXIT question 1.21 and contained in the test suite paramter TDELTA. The duration considers the round trip transit delay between the Tester and IUT, and the time necessary for an IUT to respond to a received packet or timer expiry;

TO_R3 - is the minimum time that the IUT remains in state R3. The duration is provided in PIXIT question 1.22 and contained in TO_DELAY_R3_MIN;

TO_P3 - is the minimum time that the IUT remains in state P3. The duration is provided in PIXIT question 1.22 and contained in TO_DELAY_P3_MIN;

TO_P7 - is the minimum time that the IUT remains in state P7. The duration is provided in PIXIT question 1.22 and contained in TO_DELAY_P7_MIN;

TO_D3 - is the minimum time that the IUT remains in state D3. The duration is provided in PIXIT question 1.22 and contained in TO_DELAY_D3_MIN;

TO_J2 - is the minimum time that the IUT remains in state J2. The duration is provided in PIXIT question 1.22 and contained in TO_DELAY_J2_MIN.

6.5 Cause codes and diagnostic codes

ISO 8208 requires the cause code to be 0 or 128 and the diagnostic code to be present in the Restart, Clear or Reset packet. Use of cause code 0 designates the use of standard diagnostic codes as specified in ISO 8208, figure 14-B. Use of cause code 128 designates the use of DTE-specific diagnostic codes.

CCITT X.25 (1984) requires the cause code in the Restart, Clear, or Reset Request packets to be either 0 or a value in the range of 128 through 255. The diagnostic code field is not mandatory in the basic format of these request packets. However, when the extended format is used, the diagnostic code field shall be present.

CCITT X.25 (1980) requires the cause code field in the Restart, Clear, or Reset Request packet to be set to 0. The diagnostic code field is not mandatory in the request packets.

Any one of several diagnostic codes may be generated by the IUT, on a per test case basis, especially where multiple error conditions are present in the same packet.

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In such instances any one of the possible diagnostic codes shall be accepted.

6.6 Data transfer states

A limited set of data transfer tests (PLG20 and PLG22) are included in this test suite to verify the IUT's ability to perform the following:

- send and/or receive valid data packets;
- manage window rotation;
- detect improper data packets, and react accordingly;
- observe the remote busy condition.

In order to facilitate the exchange of data packets during these tests, the IUT provider shall specify the contents of the data packet user data field (UDF) for the Tester. The UDF values are supplied by the IUT provider in the PIXIT.

The following items should be considered when completing the PIXIT:

a) The UDF content in data packets received by the Tester will not be verified. Consequently, the information is not requested in the PIXIT.

NOTE — Receive-only IUTs are not expected to send data packets during data transfer tests.

b) The start of data transfer (i.e. Tester or IUT transmits first) is based on the response in the PIXIT.

c) Depending on the test being performed, the full list of UDFs specified in the PIXIT may not be sent. Exchange of data packets containing UDFs specified in the list may terminate at any point. Subsequent tests will start with the entry in the UDF list that is specified in the PIXIT (i.e. first entry or next entry).

d) If UDF contents are specified in the PIXIT, they will be sent (in sequence) whenever a data packet must be sent, or in response to data packets received from the IUT.

NOTE — Q-bit, D-bit and M-bit settings in these data packets are based on information provided in the PIXIT. Receive Ready (RR) packets may also be sent by the Tester and the IUT.

e) It is also assumed that the IUT can send consecutive data packets as required for window rotation tests. The Tester will only send Receive Ready (RR) packets during these tests.

6.7 Other user data fields

When necessary, the content of user data fields in the Call setup, Clearing and Interrupt packets shall be provided to the Tester by the IUT provider in order to successfully execute the Packet Layer Test Suite. In this case, the IUT requires the Tester to transmit user data fields in accordance with higher layer protocols which are operating above the packet layer.

6.8 Transient states

It is recognized that for those DTEs that process packets sequentially, certain states are not observable. Specifically, the testing of the DTE during the DXE defined states (for example, r3 - RESTART INDICATION, p3 - INCOMING CALL, p7 - CLEAR INDICATION, and d3 - RESET INDICATION) may end up in the testing of some other states (p1 - Packet Layer Ready, p4 - Data Transfer, d1 - Flow Control Ready). For example, to test the response to an error (r3) state, the Tester would send a RESTART INDICATION, immediately followed by the error packet. The Tester is expecting the DTE to discard the error packet, then send a RESTART REQUEST in response. However, the DTE generally responds immediately to the RESTART INDICATION with a RESTART CONFIRMATION and processes the next packet from the packet layer state r1. This test suite contains tests for these transient states only if they are observable. They are observable and testable if the minimum duration of the state is at least twice TD_RESPONSE.

6.9 Relationship of PICS to test suite

The Protocol Implementation Conformance Statement (PICS) defines the capabilities and options which have been implemented by the IUT, and also any features not implemented. The PICS shall be provided by the IUT, and its function is to ensure that the IUT implementation will be tested for conformance against only relevant requirements. The PICS proforma is defined in ISO/IEC 8208/Amd. 3. Table 5 maps the PICS items to the test cases which they affect.

6.10 Relationship of PIXIT to test suite

The PIXIT consists of a list of questions developed to obtain the characteristics of the IUT which are necessary to successfully execute the conformance test suite. Table

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6 describes the relationship of the PIXIT to the test suite. The table lists the question numbers specified in the PIXIT, and maps them to the test cases which they affect.

6.11 PIXIT proforma

Information supplied by the IUT provider in table 2 will be used to configure the Tester to execute the conformance test suite. Questions pertaining to function(s) not supported by the IUT should be ignored, since tests requiring the information will be eliminated from the conformance test suite by the PICS. It may be necessary to complete more than one PIXIT in order to represent the various configuration options of a specific IUT.

An uppercase mnemonic enclosed in parenthesis i.e. (IUT_TX) indicates the Test Suite Parameter that maps to this PIXIT question. Values supplied in the PIXIT will be directly mapped into the Test Suite via their associated Test Suite Parameter, therefore all supplied values must be in valid TTCN notation. A field that may contain any valid value based on the protocol specification is indicated by use of a ? in the PIXIT answer. A field which may or may not be present is indicated by an * and a field which is never present is indicated by a - . Refer to the Test Suite Parameter table for the declared type (INTEGER, BITSTRING, HEXSTRING) of each test suite parameter.

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PIXIT PROFORMA

Table 2 — PIXIT PROFORMA

General Information

IUT Type

1.1 Indicate the protocol to be tested, select only one of the following;

a)	ISO 8208	(ISO)	yes / no
b)	CCITT X.25 1984	(CCITT_84)	yes / no
c)	CCITT X.25 1980	(CCITT_80)	yes / no

1.2 State whether the IUT is capable of sending data and/or receiving data.

a)	sending	(IUT_TX)	yes / no
b)	receiving	(IUT_RX)	yes / no

Logical Channel Configuration

1.3 Range of PVC Logical Channel Identifier(s) (must be less than or equal to PICS item LC7)

(LPV) _____ to (HPV) _____

1.4 Range of SVC Logical Channel Identifier(s) (must be within the ranges specified in the PICS items LC1 through LC6)

a)	One-way incoming	(LIC)	_____	to (HIC)	_____	Note 1
b)	One-way outgoing	(LOC)	_____	to (HOC)	_____	Note 1
c)	Two-way	(LTC)	_____	to (HTC)	_____	Note 1

1.5 Indicate a logical channel to be used by the Tester for Incoming Calls (to the IUT) or PVCs.

(LCI_UNDER_TEST) _____ Note 9

1.6 Indicate a logical channel to be used for logical channel unassigned testing.

(LUC) _____

1.7 How many Incoming virtual calls can be supported at the same time using the information in PIXIT question 1.4 and PIXIT question 2.2a ?

(SIM_CALL_IN) _____

1.8 How many Outgoing virtual calls can be supported at the same time using the information in PIXIT question 1.4 and PIXIT question 2.3a ?

(SIM_CALL_OUT) _____

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Flow Control Information

1.9 Window sizes

a) Indicate the default window size to be used during test execution. This value is used for both transmit and receive windows (shall be in range of PICS items V2s and V2r).

(DEF_WIN_SZ) _____

b) Indicate a nonstandard default window size to be used during test execution. This value is used for both transmit and receive windows.

(NS_DEF_WIN_SZ) _____

NOTE — the NS_DEF_WIN_SZ is a string of four hexidecimal digits representing the two octet facility parameter field for both the transmit and receive nonstandard default window sizes.

c) Provide the integer value of the nonstandard default window size given in 1.9b above.

(NS_DEF_WIN_SZ_NUM) _____

1.10 Packet sizes

Indicate a nonstandard default packet size to be used during test execution. This value is used for both transmit and receive packet sizes.

(NS_DEF_PKT_SZ) _____

NOTE — the NS_DEF_PKT_SZ is a string of four hexidecimal digits representing the two octet facility parameter field for both the transmit and receive nonstandard default packet sizes.

1.11 Indicate maximum flow control packet size. (MAX_PKT_SZ) ____

1.12 Indicate the modulo to be used for testing. (SEQ_MODULO) 8 / 128 ____

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PIXIT PROFORMA

IUT Behaviour

1.13 Does the IUT re-initialize at the Data Link Layer upon execution of an unexpected Restart procedure ?

(DISC_AT_DL) yes / no

1.14 Does the IUT require a one for one exchange of Data packets when transmitting a window or more of data?

(REPLY_REQUIRED) yes / no

1.15 Will the IUT send the first data packet?

(FIRST_DATA_FROM_IUT) yes / no

1.16 Will the IUT send more data packets than its send window size? yes / no

1.17 Will the IUT send at least three data packets more than its modulo size? yes / no

Timers

1.18 State the time required by the IUT to resume testing after completion of the following procedures:

a)	Restart	(TR_DELAY)	_____	Note 3
b)	Clear	(TC_DELAY)	_____	Note 3
c)	Reset	(TS_DELAY)	_____	Note 3

1.19 Enter the values used by the IUT for the following timers:

a)	(T20)	_____	Note 3
b)	(T21)	_____	Note 3
c)	(T22)	_____	Note 3
d)	(T23)	_____	Note 3
e)	(T24)	_____	Note 3
f)	(T25)	_____	Note 3
g)	(T26)	_____	Note 3
h)	(T27)	_____	Note 3

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i) (T28) _____ Note 3

1.20 State the maximum time the tester should wait for an immediate response from the IUT to a tester stimulus, see clause 6.4.

(TD_RESPONSE) _____ Note 3

1.21 State the delta value to be added to timers used by the Tester, see clause 6.4.

(TDELTA) _____ Note 3

1.22 For R3, P3, D3, P7, J2 give the minimum and maximum time that the IUT remains in these states.

a) R3 (TO_DELAY_R3_MIN) _____ Note 3, 7
(TO_DELAY_R3_MAX) _____

b) P3 (TO_DELAY_P3_MIN) _____ Note 3, 7
(TO_DELAY_P3_MAX) _____

c) D3 (TO_DELAY_D3_MIN) _____ Note 3, 7
(TO_DELAY_D3_MAX) _____

d) P7 (TO_DELAY_P7_MIN) _____ Note 3, 7
(TO_DELAY_P7_MAX) _____

e) J2 (TO_DELAY_J2_MIN) _____ Note 3, 7
(TO_DELAY_J2_MAX) _____

1.23 The time that the tester will use in most test cases when waiting for a response from the IUT will be a function of the following formula and assigned to the timer type TD.

(TD_WAIT_TIME) = 2 * TD_REPONSE +
the maximum value of (TO_DELAY_R3_MAX,
TO_DELAY_P3_MAX, TO_DELAY_D3_MAX,
TO_DELAY_P7_MAX, TO_DELAY_J2_MAX)

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Packet Specific Information

Call Setup Information

2.1 a) Is the Calling DTE address in an Incoming Call packet verified? yes / no

b) If yes, indicate an unacceptable address and address length which can be sent by the Tester.

(TST_ADDR_INV) _____

(TST_ADDR_INVL) _____

c) Is the Called DTE address in an Incoming Call packet verified? yes / no

d) If yes, indicate an unacceptable address and address length which can be sent by the Tester.

(IUT_ADDR_INV) _____

(IUT_ADDR_INVL) _____

2.2 For each of the following packets indicate the value of the field and its length expected by the IUT.

	Calling Address		Called Address	
a) Incoming Call				
(TST_ADDR1)	_____	(IUT_ADDR1)	_____	
(TST_ADDR1_L)	_____	(IUT_ADDR1_L)	_____	
b) Call Connected				
(TST_ADDR2)	_____	(IUT_ADDR2)	_____	Note 4
(TST_ADDR2_L)	_____	(IUT_ADDR2_L)	_____	

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2.3 For each of the following packets indicate the value of the field transmitted by the IUT.

	Calling Address	Called Address	
a) Call Request			
(IUT_ADDR5)	_____	(TST_ADDR5) _____	
(IUT_ADDR5_L)	_____	(TST_ADDR5_L) _____	
b) Call Accepted			
(IUT_ADDR6)	_____	(TST_ADDR6) _____	Note 4
(IUT_ADDR6_L)	_____	(TST_ADDR6_L) _____	

2.4 Specify a maximum length address supported by the IUT.

(IUT_ADDR_MAX) _____

(IUT_ADDR_MAXL) _____

2.5 Indicate the addresses and facilities and lengths to be used in the CCITT - Specified DTE facility for called and calling address extension.

a) the address and length for the Address Field contained in the Incoming Call packet only;

	Calling Address	Called Address
(TST_AF)	_____	(IUT_AF) _____
(TST_AF_L)	_____	(IUT_AF_L) _____

b) the facility length and contents of the Address Extension Facility Parameter, including the use of address extension octet contained in the Incoming Call packet only;

(F_NONX25) _____

(F_NONX25_L) _____

NOTE — the F_NONX25 string of facilities includes; facility marker '000F'H, facility code 'CB'H, calling address length, calling address, facility code 'C9'H, called address length, and called address.

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c) the facility length and contents of the Address Extension Facility Parameter, including the use of address extension octet, contained in the Call Accept packet used in response to the Incoming Call packet;

(F_AE) _____

(F_AE_L) _____

NOTE — the F_AE string of facilities includes; facility marker '000F'H, facility code 'C9'H, called address length, called address.

Facilities

2.6 a) Is the fast select facility always used? (FAST_SELECT) yes / no

If yes, the fast select facility must be included in the answers to question 2.7.

b) Does the IUT require more than one facility to be present in an Incoming Call packet?

yes / no Note 8

c) Does the IUT transmit more than one facility in a Call Request packet?

yes / no Note 8

d) Provide a string of 110 octets of facility information to be sent to the IUT.

(FACS_110) _____ Note 10

_____

2.7 Provide the facilities, facility length and user data to be used in each of the following packets.

a) Incoming Call packet received by the IUT

(CALL_IND_F) _____ Note 10
(CALL_IND_FL) _____
(CALL_IND_UD) _____

b) Call Request packet transmitted by the IUT

(CALL_REQ_F) _____ Note 10

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(CALL_REQ_FL) _____
(CALL_REQ_UD) _____

c) Call Connected packet received by the IUT

(CALL_CON_F) _____ Note 10
(CALL_CON_FL)_____
(CALL_CON_UD)_____

d) Call Accept packet transmitted by the IUT

(CALL_ACC_F) _____ Note 10
(CALL_ACC_FL)_____
(CALL_ACC_UD)_____

e) Clear Indication packet received by the IUT

(CLR_IND_F) _____ Note 10
(CLR_IND_FL) _____
(CLR_IND_UD) _____

f) Clear Request packet transmitted by the IUT

(CLR_REQ_F) _____ Note 10
(CLR_REQ_FL) _____
(CLR_REQ_UD) _____

g) Clear Confirmation packet received by the IUT

(CLC_RX_F) _____ Note 10
(CLC_RX_FL) _____

h) Clear Confirmation packet transmitted by the IUT

(CLC_TX_F) _____ Note 10
(CLC_TX_FL) _____

2.8 a) Provide a number to be used for Basic CUG? (BCUG_NUM) ____

b) Provide a number to be used for extended CUG? (ECUG_NUM) ____

c) Provide a number to be used for bilateral CUG? (BICUG_NUM) ____

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2.9 Indicate the default throughput class. (DEF_THRUPT) ____

2.10 Indicate a throughput class that is different from the default throughput class.

(THRUPT) ____

2.11 Indicate the Transit Delay value to be used.

(TRNS_DELAY_1) first octet _____

(TRNS_DELAY_2) second octet _____

2.12 Provide the Network User Identification facility length and facilities.

(F_NUI)_____

(F_NUI_L)_____

Data Packet Information

2.13 Specify the Q, D-bit, and M-Bit settings and data contents of the first nine data packets which the IUT will received (default settings for Q,D and M-bits are 0, a ? in the entry indicates that any user data is acceptable). If possible at least one data packet should contain the full size of data.

(UD_0) Q= , D= , M= _____

(UD_1) Q= , D= , M= _____

(UD_2) Q= , D= , M= _____

(UD_3) Q= , D= , M= _____

(UD_4) Q= , D= , M= _____

(UD_5) Q= , D= , M= _____

(UD_6) Q= , D= , M= _____

(UD_7) Q= , D= , M= _____

(UD_8) Q= , D= , M= _____

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(UD_U) Q= , D= , M= _____ Note 5

2.14 Specify a sequence of Data packets no greater than nine that contains a change of Q-bit value, where the change generates an error when received by the IUT, and data content that can be received by the IUT (default settings for D and M-bits is 0, a ? in the entry indicates that any user data is acceptable).

(UDQ0) Q= , D= , M= _____

(UDQ1) Q= , D= , M= _____

(UDQ2) Q= , D= , M= _____

(UDQ3) Q= , D= , M= _____

(UDQ4) Q= , D= , M= _____

(UDQ5) Q= , D= , M= _____

(UDQ6) Q= , D= , M= _____

(UDQ7) Q= , D= , M= _____

(UDQ8) Q= , D= , M= _____

2.15 Specify a sequence of Data packets no greater than nine that contains a change of Q-bit value, where the change is acceptable to the IUT, and data content that can be received by the IUT (default settings for D and M-bits is 0, a ? in the entry indicates that any user data is acceptable).

(UDQ0A) Q= , D= , M= _____

(UDQ1A) Q= , D= , M= _____

(UDQ2A) Q= , D= , M= _____

(UDQ3A) Q= , D= , M= _____

(UDQ4A) Q= , D= , M= _____

(UDQ5A) Q= , D= , M= _____

(UDQ6A) Q= , D= , M= _____

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(UDQ7A) Q= , D= , M= _____

(UDQ8A) Q= , D= , M= _____

2.16 Specify a sequence of Data packets no greater than nine after which a packet with an empty data field may be processed by the IUT (default settings for Q, D and M-bits are 0, a ? in the entry indicates that any user data is acceptable).

(UDE0) Q= ,D= ,M= _____

(UDE1) Q= ,D= ,M= _____

(UDE2) Q= ,D= ,M= _____

(UDE3) Q= ,D= ,M= _____

(UDE4) Q= ,D= ,M= _____

(UDE5) Q= ,D= ,M= _____

(UDE6) Q= ,D= ,M= _____

(UDE7) Q= ,D= ,M= _____

(UDE8) Q= ,D= ,M= _____

2.17 Specify a sequence of Data packets no greater than nine that contains a change of M-bit value and data content that can be received by the IUT (default settings for D and Q-bits are 0, a ? in the entry indicates that any user data is acceptable).

(UDM0) Q= ,D= ,M= _____

(UDM1) Q= ,D= ,M= _____

(UDM2) Q= ,D= ,M= _____

(UDM3) Q= ,D= ,M= _____

(UDM4) Q= ,D= ,M= _____

(UDM5) Q= ,D= ,M= _____

(UDM6) Q= ,D= ,M= _____

(UDM7) Q= ,D= ,M= _____

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(UDM8) Q= ,D= ,M= _____

2.18 Specify a partially full data packet with M-bit set which would otherwise (M-bit = 0) be acceptable to the IUT.

(UDMP) Q= ,D= ,M= _____

2.19 Specify the user data to be carried where the Tester is required to send a specific number of data octets in order to test the IUT (a ? in the entry indicates that any user data is acceptable).

(UD1) 1 octet _____

(UD3) 3 octets _____

(UD16)16 octets _____

(UD17)17 octets _____

(UD32)32 octets _____

(UD110)110 octets _____

_____

_____

(UD128)128 octets _____

_____

_____

(UD129)129 octets _____

_____

_____

(UDNS) _____ Note 6

_____

_____

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Miscellaneous Information

2.20 Provide Interrupt User Data (one octet for X.25 1980 and upto 32 octets for X.25 1984 and ISO 8208) to be carried in Interrupt packets:

a) IUT transmits (Tester receives)

(UD_I_IUT) _____

b) IUT receives (Tester transmits)

(UD_I_TST) _____

2.21 Registration Request/Confirmation Packets

Note 8

2.22 Implicit Sends

Indicate whether the IUT can or cannot support on demand the following Implicit Sends used in this Test Suite.

a)	<IUT!CALL>	Call Request	yes / no
b)	<IUT!DATA>	Data	yes / no
c)	<IUT!INT>	Interrupt	yes / no
d)	<IUT!RESTARTC>	Restart Confirm	yes / no
e)	<IUT!RESTART>	Restart	yes / no
f)	<IUT!REG>	Registration	yes / no

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NOTES

1. Specify a logical channel combination which will permit both Incoming Call and Call Request functions to be tested (preferably one two-way VC), if applicable.

2. Value should be indicated in hexadecimal.

3. All times are to be given in seconds.

4. The IUT will indicate here whether it accepts that the contents of this field could be different from what was expected, as a consequence of the use of the CLAMN facility.

5. UD_U is a universally repeatable data packet and will be used in test cases where more than nine data packets are required to be transmitted by the Tester (see test case P22_105 as an example).

6. A packet containing the number of octets equal to that of the Nonstandard Default packet size, see PIXIT 1.10.

7. When TO_DELAY_xx_MIN is not greater than or equal to twice the value of TD_RESPONSE (PIXIT 1.20) the applicable transient state is not testable.

8. All tests for facilities contained in PLG 25 and PLG 26 test for each facility independently where other facilities are not present. If a combination of facilities is required by the IUT the facility test cases for those facilities will be de-selected from PLG 25 and PLG 26.

9 If a value is not provided a logical channel will be assigned by selecting the lowest channel in the first available logical channel group choosen in the following order, Incoming, Twoway, PVC.

10 The facility information provided must be syntactically correct and acceptable to the IUT. Facilities may be repeated to achieve the required length.

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6.12 Acceptable unexpected responses

In some test cases, particularly in the data transfer state (p4/d1), unexpected packets may be received from the IUT which do not affect the outcome of the test case. Such unexpected packets shall be accepted by the test system without consequence to the IUT.

Table 3 identifies those packets which the test system shall accept depending on the state of the interfaces as perceived by the IUT. Note that RESTART REQUEST, CLEAR REQUEST, and RESET REQUEST, which may be sent at any time by the IUT are not considered to be allowable unexpected responses during data transfer tests. Also note that when the IUT is in state P1, where a Call Request may be sent at anytime, an unsolicited Call Request is not considered to be an acceptable unexpected response. This is because it is hightly unlikely, for reasons of timing, that the unsolicited Call Request would arrive at a time when the tester would consider it as a correct response to a previously issued implicit send request (IUT!CALL), see ISO/IEC 9646-5. Similarly, a REJECT packet requesting packet retransmission is not accepted as an allowable unexpected response.

The logical channel under test is derived from the PIXIT. All packets received on logical channels other than the one being tested shall be discarded by the tester, regardless of their syntactic validity. This does not apply to packets received on logical channel 0.

In a DTE/DTE environment where the IUT is acting as a DCE, diagnostic packets received by the Tester on logical channel 0 indicating timer timeouts shall be ignored.

6.13 Implicit send

The use of the Implicit Send mechanism may be realized through either manual operator intervention or automated procedures. PIXIT question 2.22 lists the Implicit Sends used in this test suite.

6.14 Basic interconnection tests

A set of Basic Interconnection Tests (BITs) may be used to determine the interoperability between the Test Laboratory and the Implementation Under Test prior to running the full test suite, reference ISO/IEC 9646-1, 6.1.2 . When these BITs are used they shall be selected from the following list; this selection is based on answers given in the PICS and PIXIT proformas and the corresponding entries in the PICS and PIXIT cross reference tables, see clause 8.

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Table 3 — Acceptable unexpected responses

Packet received from the IUT (on LCN) under test	State of the interface as perceived by the IUT							
	d1	i1	i2	j1	j2	f1	f2	g1
DATA	x	x	x	x	x	x		x
INTERRUPT	x	x		x	x	x	x	x
RR	x	x	x	x	x	x	x	x
RNR	x	x	x	x	x	x	x	x

Table 4 — Basic interconnection tests

Test case identifier	Test purpose
P1_101	Verify the IUT accepts a Restart Indication in R1
P2_101	Verify the R2 to R1 transition via Restart Indication
P2_102	Verify the R2 to R1 transition via Restart Confirmation
P4_101	Verify the IUT accepts a valid Incoming Call received in state P1
P5_103	Verify the IUT accepts a Call Connected packet while in P2
P9_106	Verify the IUT accepts a valid Clear Confirmation received in state P6
P11_101	Verify the IUT accepts a Reset Indication received in state D1
P11_102	Verify the IUT can accept Data in state D1
P12_102	Verify the IUT is in state D1 after receiving a Reset Confirmation while in state D2

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7 TTCN abstract test suite

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Test Suite Overview			
Suite Name:PACKET Standards ref:ISO 8208, CCITT X.25 1980 and 1984, ISO/IEC 9646 PICS proforma ref:ISO 8208/AD3 PIXIT proforma ref:IS 8882-3 PIXIT Proforma PICS/PIXIT use:IS 8882-3 clause Use of PICS and PIXIT Cross Reference Table Test Method(s):Remote Single Layer Comments:			
Test Case Id.	Test Case Reference	Page	Description
P1_101	PACKET/R1/PROPER/P01	0095	Verify the IUT accepts a Restart Indication in R1
P1_102 #	PACKET/R1/PROPER/P02	0096	Verify the IUT does not respond to a Diagnostic packet received in state R1
P1_201A #	PACKET/R1/IMPROPER/P01A	0097	Verify the IUT discards an Incoming Call packet with LCI=0 while in state R1
P1_201B #	PACKET/R1/IMPROPER/P01B	0098	Verify the IUT discards a Call Connected packet with LCI=0 while in state R1
P1_201C #	PACKET/R1/IMPROPER/P01C	0099	Verify the IUT discards a Clear Indication packet with LCI=0 while in state R1
P1_201D #	PACKET/R1/IMPROPER/P01D	0100	Verify the IUT discards a Clear Confirmation packet with LCI equal to zero while in state R1
P1_201E #	PACKET/R1/IMPROPER/P01E	0101	Verify the IUT discards a Data packet with LCI=0 while in state R1
P1_201F #	PACKET/R1/IMPROPER/P01F	0102	Verify the IUT discards an Interrupt packet with LCI=0 while in state R1
P1_201G #	PACKET/R1/IMPROPER/P01G	0103	Verify the IUT discards an Interrupt Confirmation packet with LCI=0 while in state R1
P1_201H #	PACKET/R1/IMPROPER/P01H	0104	Verify the IUT discards an Receiver Ready (RR) packet with LCI=0 while in state R1
P1_201I #	PACKET/R1/IMPROPER/P01I	0105	Verify the IUT discards an Receiver Not Ready (RNR) packet with LCI=0 while in state R1
P1_201J #	PACKET/R1/IMPROPER/P01J	0106	Verify the IUT discards a Reset Indication packet with LCI=0 while in state R1

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Test Case Id.	Test Case Reference	Page	Description
P1_201K #	PACKET/R1/IMPROPER/P01K	0107	Verify the IUT discards a Reset Confirmation packet with LCI=0 while in state R1
P1_201L #	PACKET/R1/IMPROPER/P01L	0108	Verify the IUT discards a Reject packet with LCI=0 while in state R1
P1_202 # #	PACKET/R1/IMPROPER/P02	0108	Verify the IUT discards or Restarts a too short Restart Indication (no cause code or diagnostic fields) packet received in state R1
P1_203 #	PACKET/R1/IMPROPER/P03	0109	Verify the IUT discards or Restarts a too long Restart (one octet after the Diagnostic field) received in state R1
P1_204 # #	PACKET/R1/IMPROPER/P04	0110	Verify the IUT discards or Restarts a too long Restart Confirmation (one octet appended to the end of the packet) received in state R1
P1_206 #	PACKET/R1/IMPROPER/P06	0111	Verify the IUT discards a Diagnostic packet with an assigned LCN not equal to zero received in state R1
P1_207 #	PACKET/R1/IMPROPER/P07	0112	Verify the IUT discards a too short Diagnostic packet (no diagnostic or explanation fields) received in state R1
P1_208 # #	PACKET/R1/IMPROPER/P08	0112	Verify the IUT discards a too long Diagnostic packet (explanation field of three octets plus one appended octet) received in state R1
P1_209 #	PACKET/R1/IMPROPER/P09	0113	Verify the IUT discards packet of length one octet received in state R1
P1_210 #	PACKET/R1/IMPROPER/P10	0114	Verify the IUT discards Restart Indications with an invalid GFI received in state R1
P1_211A #	PACKET/R1/IMPROPER/P11A	0115	Verify the IUT discards a Incoming Call with unassigned LCI received in state R1
P1_211B #	PACKET/R1/IMPROPER/P11B	0116	Verify the IUT discards a Call Connected packet with unassigned LCI received in state R1
P1_211C #	PACKET/R1/IMPROPER/P11C	0116	Verify the IUT discards a Clear Indication with unassigned LCI received in state R1
P1_211D #	PACKET/R1/IMPROPER/P11D	0117	Verify the IUT discards a Clear Confirmation with unassigned LCI received in state R1
P1_211E	PACKET/R1/IMPROPER/P11E	0117	Verify the IUT discards a Data packet with unassigned LCI

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Test Case Id.	Test Case Reference	Page	Description
#			received in state R1
P1_211F	PACKET/R1/IMPROPER/P11F	0118	Verify the IUT discards a Interrupt packet with unassigned LCI received in state R1
#			
P1_211G	PACKET/R1/IMPROPER/P11G	0118	Verify the IUT discards a Interrupt Confirmation with unassigned LCI received in state R1
#			
P1_211H	PACKET/R1/IMPROPER/P11H	0119	Verify the IUT discards a Receive Ready (RR) with unassigned LCI received in state R1
#			
P1_211I	PACKET/R1/IMPROPER/P11I	0119	Verify the IUT discards a Receive Not Ready (RNR) with unassigned LCI received in state R1
#			
P1_211J	PACKET/R1/IMPROPER/P11J	0120	Verify the IUT discards a Reset Indication with unassigned LCI received in state R1
#			
P1_211K	PACKET/R1/IMPROPER/P11K	0120	Verify the IUT discards a Reset Confirmation with unassigned LCI received in state R1
#			
P1_211L	PACKET/R1/IMPROPER/P11L	0121	Verify the IUT discards a Reject packet with unassigned LCI received in state R1
#			
P1_301	PACKET/R1/INOPPORTUNE/P01	0122	Verify the IUT restarts a Restart Confirmation with the correct diagnostic code received in state R1.
#			
P2_101	PACKET/R2/PROPER/P01	0124	Verify the R2 to R1 transition via Restart Indication
P2_102	PACKET/R2/PROPER/P02	0124	Verify the R2 to R1 transition via Restart Confirmation
P2_103	PACKET/R2/PROPER/P03	0125	Verify the IUT does not respond to a Diagnostic packet received in state R2
#			
P2_201	PACKET/R2/IMPROPER/P01	0125	Verify the IUT discards a packet of length two octets received in state R2
#			
P2_202A	PACKET/R2/IMPROPER/P02A	0126	Verify the IUT discards an Incoming Call with LCI=0 received in state R2
#			
P2_202B	PACKET/R2/IMPROPER/P02B	0126	Verify the IUT discards a Call Connected packet with LCI=0 received in state R2
#			
P2_202C	PACKET/R2/IMPROPER/P02C	0127	Verify the IUT discards a Clear Indication with LCI=0 received in state R2
#			
P2_202D	PACKET/R2/IMPROPER/P02D	0127	Verify the IUT discards a Clear Confirmation with LCI=0 received in state R2
#			
P2_202E	PACKET/R2/IMPROPER/P02E	0128	Verify the IUT discards a Data packet with LCI=0 received in

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Test Case Id.	Test Case Reference	Page	Description
#			state R2
P2_202F	PACKET/R2/IMPROPER/P02F	0128	Verify the IUT discards an Interrupt packet with LCI=0
#			received in state R2
P2_202G	PACKET/R2/IMPROPER/P02G	0129	Verify the IUT discards an Interrupt Confirmation with LCI=0
#			received in state R2
P2_202H	PACKET/R2/IMPROPER/P02H	0129	Verify the IUT discards a Receive Ready (RR) with LCI=0
#			received in state R2
P2_202I	PACKET/R2/IMPROPER/P02I	0130	Verify the IUT discards a Receive Not Ready (RNR) with LCI=0
#			received in state R2
P2_202J	PACKET/R2/IMPROPER/P02J	0130	Verify the IUT discards a Reset Indication with LCI=0 received
#			in state R2
P2_202K	PACKET/R2/IMPROPER/P02K	0131	Verify the IUT discards a Reset Confirmation with LCI=0
#			received in state R2
P2_202L	PACKET/R2/IMPROPER/P02L	0131	Verify the IUT discards a Reject packet with LCI=0 received in
#			state R2
P2_203A	PACKET/R2/IMPROPER/P03A	0132	Verify the IUT discards an unidentified packet on logical
#			channel zero received in state R2
P2_203B	PACKET/R2/IMPROPER/P03B	0132	Verify the IUT discards an unidentified packet on a valid
#			logical channel received in state R2
P2_203C	PACKET/R2/IMPROPER/P03C	0133	Verify the IUT discards an unidentified packet on an
#			unassigned logical channel received in state R2
P2_204	PACKET/R2/IMPROPER/P04	0133	Verify the IUT discards a Restart Indication with LCI not
#			equal to zero received in state R2
P2_205	PACKET/R2/IMPROPER/P05	0134	Verify the IUT discards a Restart Confirmation with LCI not
#			equal to zero received in state R2
P2_206	PACKET/R2/IMPROPER/P06	0134	Verify the IUT Restarts a too short Restart Indication
#			received in state R2
P2_207	PACKET/R2/IMPROPER/P07	0135	Verify the IUT Restarts a too long Restart Indication received
#			in state R2
P2_208	PACKET/R2/IMPROPER/P08	0135	Verify the IUT Restarts a too long Restart Confirmation
#			received in state R2
P2_210	PACKET/R2/IMPROPER/P10	0136	Verify the IUT does not respond to a Diagnostic packet on an

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Test Case Id.	Test Case Reference	Page	Description
#			assigned LCI not equal to zero received in state R2
P2_211	PACKET/R2/IMPROPER/P11	0136	Verify the IUT discards a too short Diagnostic packet (no Diagnostic code or Explanation fields) received in state R2
#			
P2_212	PACKET/R2/IMPROPER/P12	0137	Verify the IUT discards a too long Diagnostic packet (explanation field of three octets plus one appended octet) received in state R2
#			
P2_213	PACKET/R2/IMPROPER/P13	0137	Verify the IUT discards a too short packet (length of one octet) received in state R2
#			
P2_214	PACKET/R2/IMPROPER/P14	0138	Verify the IUT discards Restart Indications with an invalid GFI received in state R2
#			
P2_215A	PACKET/R2/IMPROPER/P15A	0139	Verify the IUT discards an Incoming Call on an unassigned LCI received in state R2
#			
P2_215B	PACKET/R2/IMPROPER/P15B	0139	Verify the IUT discards a Call Connected packet on an unassigned LCI received in state R2
#			
P2_215C	PACKET/R2/IMPROPER/P15C	0140	Verify the IUT discards a Clear Indication on an unassigned LCI received in state R2
#			
P2_215D	PACKET/R2/IMPROPER/P15D	0140	Verify the IUT discards a Clear Confirmation on an unassigned LCI received in state R2
#			
P2_215E	PACKET/R2/IMPROPER/P15E	0141	Verify the IUT discards a Data packet on an unassigned LCI received in state R2
#			
P2_215F	PACKET/R2/IMPROPER/P15F	0141	Verify the IUT discards a Interrupt packet on an unassigned LCI received in state R2
#			
P2_215G	PACKET/R2/IMPROPER/P15G	0142	Verify the IUT discards an Interrupt Confirmation on an unassigned LCI received in state R2
#			
P2_215H	PACKET/R2/IMPROPER/P15H	0142	Verify the IUT discards a Receive Ready (RR) on an unassigned LCI received in state R2
#			
P2_215I	PACKET/R2/IMPROPER/P15I	0143	Verify the IUT discards a Receive Not Ready (RNR) on an unassigned LCI received in state R2
#			
P2_215J	PACKET/R2/IMPROPER/P15J	0143	Verify the IUT discards a Reset Indication on an unassigned LCI received in state R2
#			
P2_215K	PACKET/R2/IMPROPER/P15K	0144	Verify the IUT discards a Reset Confirmation on an unassigned LCI received in state R2
#			

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Test Case Id.	Test Case Reference	Page	Description
P2_215L #	PACKET/R2/IMPROPER/P15L	0144	Verify the IUT discards a Reject packet on an unassigned LCI received in state R2
P2_215M #	PACKET/R2/IMPROPER/P15M	0145	Verify the IUT discards a Restart Indication on an unassigned LCI received in state R2
P2_215N #	PACKET/R2/IMPROPER/P15N	0145	Verify the IUT discards a Restart Confirmation on an unassigned LCI received in state R2
P2_301A	PACKET/R2/INOPPORTUNE/P01A	0146	Verify the IUT discards an Incoming Call received in state R2
P2_301B #	PACKET/R2/INOPPORTUNE/P01B	0146	Verify the IUT discards a Call Connected packet received in state R2
P2_301C #	PACKET/R2/INOPPORTUNE/P01C	0147	Verify the IUT discards a Clear Indication received in state R2
P2_301D #	PACKET/R2/INOPPORTUNE/P01D	0147	Verify the IUT discards a Clear Confirmation received in state R2
P2_301E	PACKET/R2/INOPPORTUNE/P01E	0148	Verify the IUT discards a Data packet received in state R2
P2_301F	PACKET/R2/INOPPORTUNE/P01F	0148	Verify the IUT discards an Interrupt received in state R2
P2_301G #	PACKET/R2/INOPPORTUNE/P01G	0149	Verify the IUT discards an Interrupt Confirmation received in state R2
P2_301H #	PACKET/R2/INOPPORTUNE/P01H	0149	Verify the IUT discards a Receive Ready (RR) received in state R2
P2_301I #	PACKET/R2/INOPPORTUNE/P01I	0150	Verify the IUT discards a Receive Not Ready (RNR) received in state R2
P2_301J #	PACKET/R2/INOPPORTUNE/P01J	0150	Verify the IUT discards a Reset Indication received in state R2
P2_301K #	PACKET/R2/INOPPORTUNE/P01K	0151	Verify the IUT discards a Reset Confirmation received in state R2
P2_301L	PACKET/R2/INOPPORTUNE/P01L	0151	Verify the IUT discards a Reject packet received in state R2
P3_101 #	PACKET/R3/PROPER/P01	0153	Verify the IUT accepts a valid Diagnostic packet received in state R3
P3_201 #	PACKET/R3/IMPROPER/P01	0154	Verify the IUT Restarts or discards a packet of length two octets received in state R3
P3_202A #	PACKET/R3/IMPROPER/P02A	0155	Verify the IUT discards an Incoming Call with LCI=0 received state in R3

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Test Case Id.	Test Case Reference	Page	Description
P3_202B #	PACKET/R3/IMPROPER/P02B	0156	Verify the IUT discards a Call Connected packet with LCI=0 received state in R3
P3_202C #	PACKET/R3/IMPROPER/P02C	0157	Verify the IUT discards a Clear Indication with LCI=0 received state in R3
P3_202D #	PACKET/R3/IMPROPER/P02D	0158	Verify the IUT discards a Clear Confirmation with LCI=0 received state in R3
P3_202E #	PACKET/R3/IMPROPER/P02E	0159	Verify the IUT discards a Data packet with LCI=0 received state in R3
P3_202F #	PACKET/R3/IMPROPER/P02F	0160	Verify the IUT discards an Interrupt packet with LCI=0 received state in R3
P3_202G #	PACKET/R3/IMPROPER/P02G	0161	Verify the IUT discards an Interrupt Confirmation with LCI=0 received state in R3
P3_202H #	PACKET/R3/IMPROPER/P02H	0162	Verify the IUT discards a Receive Ready (RR) with LCI=0 received state in R3
P3_202I #	PACKET/R3/IMPROPER/P02I	0163	Verify the IUT discards a Receive Not Ready (RNR) packet with LCI=0 received state in R3
P3_202J #	PACKET/R3/IMPROPER/P02J	0164	Verify the IUT discards a Reset Indication with LCI=0 received state in R3
P3_202K #	PACKET/R3/IMPROPER/P02K	0165	Verify the IUT discards a Reset Confirmation with LCI=0 received state in R3
P3_202L #	PACKET/R3/IMPROPER/P02L	0166	Verify the IUT discards a Reject packet with LCI=0 received state in R3
P3_203A #	PACKET/R3/IMPROPER/P03A	0167	Verify the IUT Restarts or discards an unidentified packet on logical channel zero received in state R3
P3_203B #	PACKET/R3/IMPROPER/P03B	0168	Verify the IUT Restarts or discards an unidentified packet on a valid logical channel received in state R3
P3_203C #	PACKET/R3/IMPROPER/P03C	0169	Verify the IUT Restarts or discards an unidentified packet on an unassigned logical channel received in state R3
P3_204 #	PACKET/R3/IMPROPER/P04	0170	Verify IUT Restarts a Restart Indication with an assigned LCI not equal to zero, received in state R3
P3_205 #	PACKET/R3/IMPROPER/P05	0171	Verify the IUT Restarts a Restart Confirmation with an assigned LCI not equal to zero received in state R3

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Test Case Id.	Test Case Reference	Page	Description
P3_206 #	PACKET/R3/IMPROPER/P06	0172	Verify the IUT discards a too short Restart Indication received in state R3
P3_207 #	PACKET/R3/IMPROPER/P07	0173	Verify the IUT discards a too long Restart Indication received in state R3
P3_208 #	PACKET/R3/IMPROPER/P08	0174	Verify the IUT discards a too long Restart Confirmation received in state R3
P3_210 #	PACKET/R3/IMPROPER/P10	0175	Verify the IUT discards a Diagnostic packet with an assigned LCI not equal to zero received in state R3
P3_211 #	PACKET/R3/IMPROPER/P11	0176	Verify the IUT discards a too short Diagnostic packet received in state R3
P3_212 #	PACKET/R3/IMPROPER/P12	0177	Verify the IUT discards a too long Diagnostic packet received in state R3
P3_213 #	PACKET/R3/IMPROPER/P13	0178	Verify the IUT discards a too short packet received in state R3
P3_214 #	PACKET/R3/IMPROPER/P14	0179	Verify the IUT discards Restart Indications with an invalid GFI received in state R3
P3_215A #	PACKET/R3/IMPROPER/P15A	0181	Verify the IUT discards an Incoming Call on an unassigned logical channel received in state R3
P3_215B #	PACKET/R3/IMPROPER/P15B	0182	Verify the IUT discards a Call Connected packet on an unassigned logical channel received in state R3
P3_215C #	PACKET/R3/IMPROPER/P15C	0183	Verify the IUT discards a Clear Indication on an unassigned logical channel received in state R3
P3_215D #	PACKET/R3/IMPROPER/P15D	0184	Verify the IUT discards a Clear Confirmation on an unassigned logical channel received in state R3
P3_215E #	PACKET/R3/IMPROPER/P15E	0185	Verify the IUT discards a Data packet on an unassigned logical channel received in state R3
P3_215F #	PACKET/R3/IMPROPER/P15F	0186	Verify the IUT discards an Interrupt on an unassigned logical channel received in state R3
P3_215G #	PACKET/R3/IMPROPER/P15G	0187	Verify the IUT discard an Interrupt Confirmation on an unassigned logical channel received in state R3
P3_215H #	PACKET/R3/IMPROPER/P15H	0188	Verify the IUT discards a Receive Ready (RR) on an unassigned logical channel received in state R3

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Test Case Id.	Test Case Reference	Page	Description
P3_215I #	PACKET/R3/IMPROPER/P15I	0189	Verify the IUT discards a Receive Not Ready (RNR) on an unassigned logical channel received in state R3
P3_215J #	PACKET/R3/IMPROPER/P15J	0190	Verify the IUT discards a Reset Indication on an unassigned logical channel received in state R3
P3_215K #	PACKET/R3/IMPROPER/P15K	0191	Verify the IUT discards a Reset Confirmation on an unassigned logical channel received in state R3
P3_215L #	PACKET/R3/IMPROPER/P15L	0192	Verify the IUT discards a Reject on an unassigned logical channel received in state R3
P3_215M #	PACKET/R3/IMPROPER/P15M	0193	Verify the IUT discards a Restart on an unassigned logical channel received in state R3
P3_215N #	PACKET/R3/IMPROPER/P15N	0194	Verify the IUT discards a Restart Confirmation on an unassigned logical channel received in state R3
P3_301 #	PACKET/R3/INOPPORTUNE/P01	0195	Verify the IUT discards a Restart Indication received in state R3
P3_302 #	PACKET/R3/INOPPORTUNE/P02	0196	Verify the IUT Restarts a Restart Confirmation received in state R3
P3_303A	PACKET/R3/INOPPORTUNE/P03A	0197	Verify the IUT Restarts an Incoming Call received in state R3
P3_303B #	PACKET/R3/INOPPORTUNE/P03B	0198	Verify the IUT Restarts a Call Connected packet received in state R3
P3_303C #	PACKET/R3/INOPPORTUNE/P03C	0199	Verify the IUT Restarts a Clear Indication received in state R3
P3_303D #	PACKET/R3/INOPPORTUNE/P03D	0200	Verify the IUT Restarts a Clear Confirmation received in state R3
P3_303E	PACKET/R3/INOPPORTUNE/P03E	0201	Verify the IUT Restarts a Data packet received in state R3
P3_303F #	PACKET/R3/INOPPORTUNE/P03F	0202	Verify the IUT Restarts an Interrupt packet received in state R3
P3_303G #	PACKET/R3/INOPPORTUNE/P03G	0203	Verify the IUT Restarts an Interrupt Confirmation received in state R3
P3_303H #	PACKET/R3/INOPPORTUNE/P03H	0204	Verify the IUT Restarts a Receive Ready (RR) packet received in state R3
P3_303I #	PACKET/R3/INOPPORTUNE/P03I	0205	Verify the IUT Restarts a Receive Not Ready (RNR) packet received in state R3

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Test Case Id.	Test Case Reference	Page	Description
P3_303J #	PACKET/R3/INOPPORTUNE/P03J	0206	Verify the IUT Restarts a Reset Indication received in state R3
P3_303K #	PACKET/R3/INOPPORTUNE/P03K	0207	Verify the IUT Restarts a Reset Confirmation received in state R3
P3_303L	PACKET/R3/INOPPORTUNE/P03L	0208	Verify the IUT Restarts a Reject packet received in state R3
P4_101 #	PACKET/P1/PROPER/P01	0210	Verify the IUT accepts a valid Incoming Call received in state P1
P4_103 #	PACKET/P1/PROPER/P03	0210	Verify that the IUT confirms a CLEAR with cause '01'H received in state P1
P4_104 #	PACKET/P1/PROPER/P04	0211	Verify that the IUT confirms a CLEAR with cause '05'H received in state P1
P4_105 #	PACKET/P1/PROPER/P05	0212	Verify that the IUT confirms a Clear with cause '11'H received in state P1
P4_106 #	PACKET/P1/PROPER/P06	0213	Verify that the IUT confirms a Clear with cause '13'H received in state P1
P4_107 #	PACKET/P1/PROPER/P07	0214	Verify the IUT confirms a Clear with cause '21'H received in state P1
P4_201 #	PACKET/P1/IMPROPER/P01	0215	Verify the IUT clears a packet of length two octets received in state P1
P4_202 #	PACKET/P1/IMPROPER/P02	0216	Verify that the IUT clears a packet of unidentified type in state P1.
P4_203 #	PACKET/P1/IMPROPER/P03	0217	Verify that the IUT clears a Restart packet with an assigned LCI not equal to zero received in state P1
P4_204 #	PACKET/P1/IMPROPER/P04	0218	Verify that the IUT clears a Restart Confirm packet received on an assigned LCI not equal to zero while in state P1.
P4_205 #	PACKET/P1/IMPROPER/P05	0219	Verify that the IUT clears a too short Incoming Call packet received in state P1
P4_206 #	PACKET/P1/IMPROPER/P06	0220	Verify the IUT clears a too long Incoming Call packet (user data field of 17 or 129 octets) while in state P1
P4_207 #	PACKET/P1/IMPROPER/P07	0221	Verify the IUT clears a too long Call Connected packet (user data field of 1 or 129 octets) while in state P1
P4_208	PACKET/P1/IMPROPER/P08	0222	Verify the IUT clears a too short Clear Indication packet (no

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Test Case Id.	Test Case Reference	Page	Description
#			cause code or diagnostic code fields) while in state P1.
P4_209	PACKET/P1/IMPROPER/P09	0223	Verify that the IUT clears a too long Clear Indication packet
#			while in state P1.
P4_210	PACKET/P1/IMPROPER/P10	0224	Verify that the IUT clears a too long Clear Confirmation
#			packet (110 octets appended to the end of the packet) while in
#			P1
P4_301	PACKET/P1/INOPPORTUNE/P01	0225	Verify the IUT clears a Call Connected packet received in
#			state P1
P4_302	PACKET/P1/INOPPORTUNE/P02	0225	Verify the IUT clears a Clear Confirm packet received in state
#			P1
P4_305	PACKET/P1/INOPPORTUNE/P05	0226	Verify the IUT clears a Interrupt Confirmation packet received
#			in state P1
P4_306	PACKET/P1/INOPPORTUNE/P06	0226	Verify the IUT clears an RR packet received in state P1
P4_307	PACKET/P1/INOPPORTUNE/P07	0227	Verify the IUT clears an RNR packet received in state P1
P4_308	PACKET/P1/INOPPORTUNE/P08	0227	Verify the IUT clears a Reset packet received in state P1
P4_309	PACKET/P1/INOPPORTUNE/P09	0228	Verify the IUT clears a Reset Confirmation packet received in
#			state P1
P4_310	PACKET/P1/INOPPORTUNE/P10	0228	Verify the IUT clears an Interrupt packet received in state P1
P5_101	PACKET/P2/PROPER/P01	0230	Verify the IUT correctly handles an Incoming Call received in
#			state P2
P5_103	PACKET/P2/PROPER/P03	0230	Verify the IUT accepts a Call Connected packet while in P2.
P5_104	PACKET/P2/PROPER/P04	0231	Verify the IUT confirms a Clear with cause code of '01'H
#			received in state P2
P5_105	PACKET/P2/PROPER/P05	0232	Verify the IUT confirms a Clear with cause code of '05'H
#			received in state P2
P5_106	PACKET/P2/PROPER/P06	0233	Verify the IUT confirms a Clear with cause code of '11'H
#			received in state P2
P5_107	PACKET/P2/PROPER/P07	0234	Verify the IUT confirms a Clear with cause code of '13'H
#			received in state P2
P5_108	PACKET/P2/PROPER/P08	0235	Verify the IUT confirms a Clear with cause code of '21'H
#			received in state P2
P5_201	PACKET/P2/IMPROPER/P01	0236	Verify the IUT clears a packet of length two octets received

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Test Case Id.	Test Case Reference	Page	Description
#			in state P2
P5_202	PACKET/P2/IMPROPER/P02	0237	Verify the IUT clears a packet with an undefined PTI field
#			received in state P2
P5_203	PACKET/P2/IMPROPER/P03	0238	Verify the IUT Clears a Restart Indication with LCI<>0
#			received in state P2
P5_204	PACKET/P2/IMPROPER/P04	0239	Verify the IUT clears a Restart Confirmation with LCI<>0
#			received in state P2
P5_205	PACKET/P2/IMPROPER/P05	0240	Verify the IUT clears or discards a too short Incoming Call
#			received in state P2
P5_206	PACKET/P2/IMPROPER/P06	0241	Verify the IUT clears or discards a too long Incoming Call
#			packet (user data field of 17 or 129 octets) received in state
#			P2
P5_207	PACKET/P2/IMPROPER/P07	0243	Verify the IUT clears a too long Call Connected packet (user
#			date field of 1 or 129 octets) received in state P2
P5_208	PACKET/P2/IMPROPER/P08	0244	Verify the IUT clears a too short Clear Indication packet (no
#			cause code or diagnostic code) received in state P2
P5_209	PACKET/P2/IMPROPER/P09	0245	Verify the IUT clears a too long Clear Indication packet
#			received in state P2
P5_210	PACKET/P2/IMPROPER/P10	0246	Verify the IUT clears a too long Clear Confirmation packet
#			received in state P2
P5_301	PACKET/P2/INOPPORTUNE/P01	0247	Verify the IUT clears a Clear Confirmation packet with valid
#			Logical Channel Identifier while in state P2
P5_302	PACKET/P2/INOPPORTUNE/P02	0247	Verify the IUT clears a Data packet with valid Logical Channel
#			Identifier while in state P2
P5_303	PACKET/P2/INOPPORTUNE/P03	0248	Verify the IUT clears an Interrupt packet with valid Logical
#			Channel Identifier while in state P2
P5_304	PACKET/P2/INOPPORTUNE/P04	0248	Verify the IUT clears an Interrupt Confirmation packet with
#			valid Logical Channel Identifier while in state P2
P5_305	PACKET/P2/INOPPORTUNE/P05	0249	Verify the IUT clears an RR packet with valid Logical Channel
#			Identifier while in state P2
P5_306	PACKET/P2/INOPPORTUNE/P06	0249	Verify the IUT clears a RNR packet with valid Logical Channel
#			Identifier while in state P2

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Test Case Id.	Test Case Reference	Page	Description
P5_307 #	PACKET/P2/INOPPORTUNE/P07	0250	Verify the IUT clears a Reset packet with valid Logical Channel Identifier while in state P2
P5_308 #	PACKET/P2/INOPPORTUNE/P08	0250	Verify that the IUT clears a Reset Confirm packet with valid Logical Channel Identifier while in state P2
P6_101 #	PACKET/P3/PROPER/P01	0252	Verify the IUT confirms a Clear with cause '01'H received in state P3
P6_102 #	PACKET/P3/PROPER/P02	0253	Verify the IUT confirms a CLEAR with cause '05'H received in state P3
P6_103 #	PACKET/P3/PROPER/P03	0254	Verify the IUT confirms a CLEAR with cause '11'H received in state P3
P6_104 #	PACKET/P3/PROPER/P04	0255	Verify the IUT confirms a CLEAR with cause '13'H received in state P3
P6_105 #	PACKET/P3/PROPER/P05	0256	Verify the IUT confirms a CLEAR with cause '21'H received in state P3
P6_201 #	PACKET/P3/IMPROPER/P01	0257	Verify the IUT clears a too short packet with length two octets received in state P3
P6_202 #	PACKET/P3/IMPROPER/P02	0258	Verify the IUT clears a packet of undefined type received in state P3
P6_203 #	PACKET/P3/IMPROPER/P03	0259	Verify the IUT clears a Restart packet on an assigned LCI not equal to zero received in state P3
P6_204 #	PACKET/P3/IMPROPER/P04	0260	Verify the IUT clears a Restart Confirmation packet on an assigned LCI not equal to zero received in state P3
P6_205 #	PACKET/P3/IMPROPER/P05	0261	Verify the IUT clears a too short Incoming Call packet received in P3
P6_206 #	PACKET/P3/IMPROPER/P06	0262	Verify the IUT clears a too long Incoming Call packet (user data field of 17 or 129 octets) received in state P3
P6_207 #	PACKET/P3/IMPROPER/P07	0263	Verify the IUT clears a too long Call Connected packet (user data field of 1 or 129 octets) received in state P3
P6_208 #	PACKET/P3/IMPROPER/P08	0264	Verify the IUT clears a too short Clear Indication packet (no cause code or diagnostic code fields) received in state P3
P6_209 #	PACKET/P3/IMPROPER/P09	0265	Verify the IUT clears a too long Clear Indication packet received in state P3

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Test Case Id.	Test Case Reference	Page	Description
P6_210 # #	PACKET/P3/IMPROPER/P10	0266	Verify the IUT clears a too long Clear Confirmation packet (110 octets appended to the end of the packet) received in state P3
P6_301	PACKET/P3/INOPPORTUNE/P01	0267	Verify the IUT clears an Incoming Call received in state P3
P6_303 #	PACKET/P3/INOPPORTUNE/P03	0267	Verify the IUT clears a Call Connected packet received in state P3
P6_304 #	PACKET/P3/INOPPORTUNE/P04	0268	Verify the IUT clears a Clear Confirmation packet received in state P3
P6_305	PACKET/P3/INOPPORTUNE/P05	0268	Verify the IUT clears a Data packet received in state P3
P6_306	PACKET/P3/INOPPORTUNE/P06	0269	Verify the IUT clears an Interrupt packet received in state P3
P6_307 #	PACKET/P3/INOPPORTUNE/P07	0269	Verify the IUT clears an Interrupt Confirm received in state P3
P6_308	PACKET/P3/INOPPORTUNE/P08	0270	Verify the IUT clears an RR packet received in state P3
P6_309	PACKET/P3/INOPPORTUNE/P09	0270	Verify the IUT clears an RNR packet received in state P3
P6_310	PACKET/P3/INOPPORTUNE/P10	0271	Verify the IUT clears a Reset Indication received in state P3
P6_311 #	PACKET/P3/INOPPORTUNE/P11	0271	Verify the IUT clears a Reset Confirmation received in state P3
P7_101 #	PACKET/P4/PROPER/P01	0273	Verify the IUT acknowledges a Clear with cause code '01'H received in state P4
P7_102 #	PACKET/P4/PROPER/P02	0274	Verify the IUT acknowledges a Clear with cause code '05'H while in state P4
P7_103 #	PACKET/P4/PROPER/P03	0275	Verify the IUT acknowledges a Clear with cause code '11'H while in state P4
P7_104 #	PACKET/P4/PROPER/P04	0276	Verify the IUT acknowledges a Clear with cause code '13'H received in state P4
P7_105 #	PACKET/P4/PROPER/P05	0277	Verify the IUT acknowledges a Clear with cause code '21'H while in state P4
P7_201 #	PACKET/P4/IMPROPER/P01	0278	Verify the IUT clears a too short Incoming Call packet received in state P4
P7_202 #	PACKET/P4/IMPROPER/P02	0279	Verify the IUT clears a too long Incoming Call packet (user data field of 17 or 129 octets) received in state P4
P7_203	PACKET/P4/IMPROPER/P03	0280	Verify the IUT clears a too long Call Connected packet (user

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Test Case Id.	Test Case Reference	Page	Description
#			data field of 1 or 129 octets) received in P4
P7_204	PACKET/P4/IMPROPER/P04	0281	Verify the IUT clears a too short Clear Indication packet (no cause code or diagnostic code fields) received in state P4
#			
P7_205	PACKET/P4/IMPROPER/P05	0282	Verify the IUT clears a too long Clear Indication packet received in state P4
#			
P7_206	PACKET/P4/IMPROPER/P06	0283	Verify the IUT clears a too long Clear Confirmation packet (110 octets appended to the end of the packet) received in state P4
#			
#			
P7_301	PACKET/P4/INOPPORTUNE/P01	0284	Verify the IUT clears an Incoming Call packet received in state P4
#			
P7_303	PACKET/P4/INOPPORTUNE/P03	0285	Verify the IUT clears a Call Connected packet received in state P4
#			
P7_304	PACKET/P4/INOPPORTUNE/P04	0286	Verify the IUT clears a Clear Confirmation packet received in state P4
#			
P8_101	PACKET/P5/PROPER/P01	0288	Verify P5 to P4 transition using a Call Connected packet
P8_102	PACKET/P5/PROPER/P02	0289	Verify the IUT confirms a Clear with cause '01'H received in state P5
#			
P8_103	PACKET/P5/PROPER/P03	0290	Verify the IUT confirms a Clear with cause '05'H received in state P5
#			
P8_104	PACKET/P5/PROPER/P04	0291	Verify the IUT confirms a Clear with cause '11'H received in state P5
#			
P8_105	PACKET/P5/PROPER/P05	0292	Verify the IUT confirms a Clear with cause '13'H received in state P5
#			
P8_106	PACKET/P5/PROPER/P06	0293	Verify the IUT confirms a Clear with cause '21'H received in state P5
#			
P8_201	PACKET/P5/IMPROPER/P01	0294	Verify IUT clears a too short packet (PTI field is NIL) received in state P5
#			
P8_202	PACKET/P5/IMPROPER/P02	0295	Verify the IUT Clears a packet of undefined type (PTI equal '0D'H) received in state P5
#			
P8_203	PACKET/P5/IMPROPER/P03	0296	Verify the IUT Clears a Restart packet on an assigned LCI not equal to zero received in state P5
#			
P8_204	PACKET/P5/IMPROPER/P04	0297	Verify the IUT Clears a Restart Confirmation packet on an

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Test Case Id.	Test Case Reference	Page	Description
#			assigned LCI not equal to zero received in state P5
P8_205	PACKET/P5/IMPROPER/P05	0298	Verify the IUT Clears a too short Incoming Call packet; no called address field, received in state P5
#			
P8_206	PACKET/P5/IMPROPER/P06	0299	Verify the IUT Clears or discards a too long Incoming Call packet (user data field of 17 or 129 octets) received in state P5
#			
P8_207	PACKET/P5/IMPROPER/P07	0300	Verify the IUT Clears a too long Call Connected packet (user data field of 1 or 129 octets) received in state P5
#			
P8_208	PACKET/P5/IMPROPER/P08	0301	Verify the IUT Clears a too short Clear Indication packet (no cause or diagnostic code fields) received in state P5
#			
P8_209	PACKET/P5/IMPROPER/P09	0302	Verify the IUT Clears a too long Clear Indication packet received in state P5
#			
P8_210	PACKET/P5/IMPROPER/P10	0303	Verify the IUT Clears a too long Clear Confirmation packet (110 octets appended to the end of the packet) received in state P5
#			
P8_301	PACKET/P5/INOPPORTUNE/P01	0304	Verify IUT clears an Incoming Call received in state P5
P8_303	PACKET/P5/INOPPORTUNE/P03	0304	Verify the IUT Clears a Clear Confirmation received in state P5
#			
P8_304	PACKET/P5/INOPPORTUNE/P04	0305	Verify the IUT Clears a Data packet received in state P5
P8_305	PACKET/P5/INOPPORTUNE/P05	0305	Verify the IUT Clear and Interrupt packet received in state P5
P8_306	PACKET/P5/INOPPORTUNE/P06	0306	Verify the IUT Clears an Interrupt packet received in state P5
P8_307	PACKET/P5/INOPPORTUNE/P07	0306	Verify the IUT Clears a Receiver Ready (RR) packet received in state P5
#			
P8_308	PACKET/P5/INOPPORTUNE/P08	0307	Verify the IUT Clears a Receiver Ready (RNR) packet received in state P5
#			
P8_309	PACKET/P5/INOPPORTUNE/P09	0307	Verify the IUT Clears a Reset Indication packet received in state P5
#			
P8_310	PACKET/P5/INOPPORTUNE/P10	0308	Verify the IUT Clears a Reset Confirmation packet received in state P5
#			
P9_101	PACKET/P6/PROPER/P01	0310	Verify the IUT accepts a Clear with cause code '01'H received in state P6
#			
P9_102	PACKET/P6/PROPER/P02	0310	Verify the IUT accepts a clear with cause code '05'H received

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Test Case Id.	Test Case Reference	Page	Description
#			in state P6
P9_103	PACKET/P6/PROPER/P03	0311	Verify the IUT accepts a clear with cause code '11'H received
#			in state P6
P9_104	PACKET/P6/PROPER/P04	0311	Verify the IUT accepts a clear with cause code '13'H received
#			in state P6
P9_105	PACKET/P6/PROPER/P05	0312	Verify the IUT accepts a clear with cause code '21'H received
#			in state P6
P9_106	PACKET/P6/PROPER/P06	0312	Verify the IUT accepts a valid Clear Confirmation received in
#			state P6
P9_201	PACKET/P6/IMPROPER/P01	0313	Verify the IUT discards a too short packet (two octets)
#			received in state P6
P9_202	PACKET/P6/IMPROPER/P02	0313	Verify the IUT discards an unidentifiable packet received in
#			state P6
P9_203	PACKET/P6/IMPROPER/P03	0314	Verify the IUT discards Restart (LCI <> zero) received in
#			state P6
P9_204	PACKET/P6/IMPROPER/P04	0314	Verify the IUT discards a Restart Confirmation (LCI <> zero)
#			received in state P6
P9_205	PACKET/P6/IMPROPER/P05	0315	Verify the IUT discards a too short Incoming Call (no called
#			address field) received in state P6
P9_206	PACKET/P6/IMPROPER/P06	0316	Verify the IUT discards a too long Incoming Call packet (user
#			data field of 17 or 129 octets) received in state P6
P9_207	PACKET/P6/IMPROPER/P07	0317	Verify the IUT discards a too long Call Connected packet (user
#			data field of 1 or 129 octets) received in state P6.
P9_208	PACKET/P6/IMPROPER/P08	0318	Verify the IUT Clears a too short Clear Indication packet (no
#			cause code or diagnostic code fields) received in state P6.
P9_209	PACKET/P6/IMPROPER/P09	0319	Verify the IUT Clears a too long Clear Indication packet (user
#			data field of 129 octets) received in state P6
P9_210	PACKET/P6/IMPROPER/P10	0320	Verify the IUT Clears a too long Clear Confirmation (110
#			octets appended to the end of the packet) received in state
#			P6.
P9_301	PACKET/P6/INOPPORTUNE/P01	0321	Verify the IUT discards an Incoming Call packet received in
#			state P6

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Test Case Id.	Test Case Reference	Page	Description
P9_303	PACKET/P6/INOPPORTUNE/P03	0321	Verify the IUT discards a Call Connected received in state P6
P9_304	PACKET/P6/INOPPORTUNE/P04	0322	Verify the IUT discards a Data packet received in state P6
P9_305 #	PACKET/P6/INOPPORTUNE/P05	0322	Verify the IUT discards an Interrupt packet received in state P6
P9_306 #	PACKET/P6/INOPPORTUNE/P06	0323	Verify the IUT discards an Interrupt Confirm received in state P6
P9_307	PACKET/P6/INOPPORTUNE/P07	0323	Verify the IUT discards an RR packet received in state P6
P9_308	PACKET/P6/INOPPORTUNE/P08	0324	Verify the IUT discards an RNR packet received in state P6
P9_309	PACKET/P6/INOPPORTUNE/P09	0324	Verify the IUT discards a Reset packet received in state P6
P9_310 #	PACKET/P6/INOPPORTUNE/P10	0325	Verify the IUT discards a Reset Confirmation received in state P6
P10_201 #	PACKET/P7/IMPROPER/P01	0327	Verify the IUT Clears a too short packet (two octets) received in state P7
P10_202 #	PACKET/P7/IMPROPER/P02	0328	Verify the IUT Clears an unidentifiable packet received in state P7
P10_203 #	PACKET/P7/IMPROPER/P03	0329	Verify the IUT Clears a Restart Indication (LCI <> zero) received in state P7
P10_204 #	PACKET/P7/IMPROPER/P04	0330	Verify the IUT Clears a Restart Confirmation (LCI <> zero) received in state P7
P10_205 #	PACKET/P7/IMPROPER/P05	0331	Verify the IUT in state P7 Clears a too short Incoming Call (no called address field) received in state P7
P10_206 #	PACKET/P7/IMPROPER/P06	0332	Verify the IUT Clears a too long Incoming Call (user data field of 17 or 129 octets) received in state P7
P10_207 #	PACKET/P7/IMPROPER/P07	0333	Verify the IUT Clears a too long Call Connected packet (user data field of 1 or 129 octets) received in state P7
P10_208 #	PACKET/P7/IMPROPER/P08	0334	Verify the IUT discards a too short Clear Indication packet (no cause or diagnostic fields) received in state P7.
P10_209 #	PACKET/P7/IMPROPER/P09	0335	Verify the IUT discards a too long Clear Indication packet (user data field of 129 octets) received in state P7
P10_210 #	PACKET/P7/IMPROPER/P10	0336	Verify the IUT Clears a too long Clear Confirmation packet (110 octets appended) received in state P7
P10_301	PACKET/P7/INOPPORTUNE/P01	0337	Verify the IUT Clears an Incoming Call received in state P7

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Test Case Id.	Test Case Reference	Page	Description
P10_303 #	PACKET/P7/INOPPORTUNE/P03	0338	Verify the IUT Clears a Call Connected packet received in state P7
P10_304 #	PACKET/P7/INOPPORTUNE/P04	0339	Verify the IUT discards a Clear Indication with cause '01'H received in state P7
P10_305 #	PACKET/P7/INOPPORTUNE/P05	0340	Verify the IUT discards a Clear Indication with cause code '05'H received in state P7
P10_306 #	PACKET/P7/INOPPORTUNE/P06	0341	Verify the IUT discards a Clear Indication with cause '11'H received in state P7
P10_307 #	PACKET/P7/INOPPORTUNE/P07	0342	Verify the IUT discards a Clear Indication with cause '13'H received in state P7
P10_308 #	PACKET/P7/INOPPORTUNE/P08	0343	Verify the IUT discards a Clear Indication with cause '21'H received in state P7
P10_309 #	PACKET/P7/INOPPORTUNE/P09	0344	Verify the IUT clears a Clear Confirm packet received in state P7
P10_310	PACKET/P7/INOPPORTUNE/P10	0345	Verify that IUT clears a Data packet received in state P7
P10_311	PACKET/P7/INOPPORTUNE/P11	0346	Verify the IUT clears an Interrupt packet received in state P7
P10_312 #	PACKET/P7/INOPPORTUNE/P12	0347	Verify the IUT clears an Interrupt Confirmation received in state P7
P10_313	PACKET/P7/INOPPORTUNE/P13	0348	Verify the IUT clears an RR packet received in state P7
P10_314	PACKET/P7/INOPPORTUNE/P14	0349	Verify the IUT clears RNR packet received in state P7
P10_315	PACKET/P7/INOPPORTUNE/P15	0350	Verify the IUT clears a Reset packet received in state P7
P10_316 #	PACKET/P7/INOPPORTUNE/P16	0351	Verify the IUT clears a Reset Confirmation received in state P7
P11_101	PACKET/D1/PROPER/P01	0353	Verify the IUT accepts a Reset Indication received in state D1
P11_102	PACKET/D1/PROPER/P02	0354	Verify the IUT can accept Data in state D1
P11_103 #	PACKET/D1/PROPER/P03	0355	Verify the IUT can accept Data after a Reset/Reset Confirmation exchange in state D1
P11_201 #	PACKET/D1/IMPROPER/P01	0357	Verify the IUT Resets a too short packet (two octets) received in state D1
P11_202 #	PACKET/D1/IMPROPER/P02	0358	Verify the IUT Resets an unidentifiable packet (PTI field equals '0D'H) received in state D1
P11_203	PACKET/D1/IMPROPER/P03	0359	Verify the IUT Resets a Restart Indication with an assigned

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Test Case Id.	Test Case Reference	Page	Description
#			LCI not equal to zero received in state D1
P11_204	PACKET/D1/IMPROPER/P04	0360	Verify the IUT Resets a Restart Confirmation packet with an assigned LCI not equal to zero received in state D1
#			
P11_205	PACKET/D1/IMPROPER/P05	0361	Verify the IUT Resets a too short Reset Indication (Diagnostic field is NIL) received in state D1
#			
P11_206	PACKET/D1/IMPROPER/P06	0362	Verify the IUT Resets a too long Reset Indication (one octet appended) received in state D1
#			
P11_207	PACKET/D1/IMPROPER/P07	0363	Verify the IUT Resets a too long Reset Confirmation packet (one octet appended) received in state D1
#			
P11_301	PACKET/D1/INOPPORTUNE/P01	0364	Verify the IUT resets a Reset Confirmation received in state D1
#			
P11_302	PACKET/D1/INOPPORTUNE/P02	0365	Verify the IUT Resets an Incoming Call packet received on a PVC in state D1
#			
P11_303	PACKET/D1/INOPPORTUNE/P03	0366	Verify the IUT Resets a Clear Indication received on a PVC in state D1
#			
P12_101	PACKET/D2/PROPER/P01	0368	Verify the IUT changes to state D1 when a Reset Indication is received in state D2
#			
P12_102	PACKET/D2/PROPER/P02	0368	Verify the IUT is in state D1 after receiving a Reset Confirmation while in state D2
#			
P12_201	PACKET/D2/IMPROPER/P01	0369	Verify the IUT discards a too short packet (two octets) received in state D2
#			
P12_202	PACKET/D2/IMPROPER/P02	0369	Verify the IUT discards an unidentifiable packet (PTI = '0D'H) received in state D2
#			
P12_203	PACKET/D2/IMPROPER/P03	0370	Verify the IUT discards a Restart with an assigned LCI not equal to zero received in state D2
#			
P12_204	PACKET/D2/IMPROPER/P04	0370	Verify the IUT discards a Restart Confirmation with an assigned LCI not equal to zero received in state D2
#			
P12_205	PACKET/D2/IMPROPER/P05	0371	Verify the IUT Resets a too short Reset Indication received in state D2
#			
P12_206	PACKET/D2/IMPROPER/P06	0371	Verify the IUT Resets a too long Reset Indication (one octet appended) received in state D2
#			
P12_207	PACKET/D2/IMPROPER/P07	0372	Verify the IUT Resets long Reset Confirmation packet (one

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Test Case Id.	Test Case Reference	Page	Description
#			octet appended) received in state D2
P12_301	PACKET/D2/INOPPORTUNE/P01	0372	Verify the IUT discards an Interrupt packet received in state D2
#			
P12_302	PACKET/D2/INOPPORTUNE/P02	0373	Verify the IUT discards an Interrupt Confirmation packet received in state D2
#			
P12_303	PACKET/D2/INOPPORTUNE/P03	0373	Verify the IUT discards a Data packet received in D2
P12_304	PACKET/D2/INOPPORTUNE/P04	0374	Verify the IUT discards an RR packet received in D2
P12_305	PACKET/D2/INOPPORTUNE/P05	0374	Verify the IUT discards an RNR packet received in D2
P12_306	PACKET/D2/INOPPORTUNE/P06	0375	Verify the IUT discards an Incoming Call packet received on a PVC in state D2
#			
P12_307	PACKET/D2/INOPPORTUNE/P07	0375	Verify the IUT discards a Clear Indication packet received on a PVC in state D2
#			
P13_201	PACKET/D3/IMPROPER/P01	0377	Verify the IUT Resets a too short packet (two octets) received in state D3
#			
P13_202	PACKET/D3/IMPROPER/P02	0378	Verify the IUT Resets or Discards an unidentifiable packet (PTI field equals '0D'H) received in state D3
#			
P13_203	PACKET/D3/IMPROPER/P03	0379	Verify the IUT Resets a Restart with an assigned LCI not equal to zero received in state D3
#			
P13_204	PACKET/D3/IMPROPER/P04	0380	Verify the IUT Resets a Restart Confirmation on an assigned LCI not equal to zero received in state D3
#			
P13_205	PACKET/D3/IMPROPER/P05	0381	Verify the IUT Resets a too short Reset Indication (Cause field is NIL, Diagnostic field is NIL) received in state D3
#			
P13_206	PACKET/D3/IMPROPER/P06	0382	Verify the IUT Resets a too long Reset Indication (one octet appended) received in state D3
#			
P13_207	PACKET/D3/IMPROPER/P07	0383	Verify the IUT Resets a too long Reset Confirmation (one octet appended) received in state D3
#			
P13_301	PACKET/D3/INOPPORTUNE/P01	0384	Verify the IUT discards a Reset Indication received in state D3
#			
P13_302	PACKET/D3/INOPPORTUNE/P02	0385	Verify the IUT Resets a Reset Confirmation received in state D3
#			
P13_303	PACKET/D3/INOPPORTUNE/P03	0386	Verify the IUT Resets an Interrupt packet received in state D3
P13_304	PACKET/D3/INOPPORTUNE/P04	0387	Verify the IUT Resets an Interrupt Confirmation received in

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Test Case Id.	Test Case Reference	Page	Description
#			state D3
P13_305	PACKET/D3/INOPPORTUNE/P05	0388	Verify the IUT Resets a Data packet received in state D3
P13_306	PACKET/D3/INOPPORTUNE/P06	0389	Verify the IUT Resets an RR packet received in state D3
P13_307	PACKET/D3/INOPPORTUNE/P07	0390	Verify the IUT Resets an RNR packet received in state D3
P13_308	PACKET/D3/INOPPORTUNE/P08	0391	Verify the IUT Resets an Incoming Call packet received on a
#			PVC in state D3
P13_309	PACKET/D3/INOPPORTUNE/P09	0392	Verify the IUT Resets a Clear Indication received on a PVC in
#			state D3
P14_201	PACKET/I1/IMPROPER/P01	0394	Verify the IUT Resets a too long Interrupt Confirmation (one
#			octet appended) packet received in state I1
P14_301	PACKET/I1/INOPPORTUNE/P01	0395	Verify the IUT Resets an Interrupt Confirmation received in
#			state I1
P15_101	PACKET/I2/PROPER/P01	0397	Verify the IUT moves from state I2 to I1 when an Interrupt
#			Confirmation is received in state I2
P15_201	PACKET/I2/IMPROPER/P01	0398	Verify the IUT Resets a too long Interrupt Confirmation packet
#			received in state I2
P16_101	PACKET/J1/PROPER/P01	0401	Verify the IUT confirms an Interrupt received in state J1
P16_201	PACKET/J1/IMPROPER/P01	0402	Verify the IUT Resets a too short Interrupt packet in state J1
P16_202	PACKET/J1/IMPROPER/P02	0403	Verify the IUT Resets a too long Interrupt (1 or 32 octets
#			appended) received in state J1
P17_201	PACKET/J2/IMPROPER/P01	0405	Verify the IUT Resets a too short Interrupt received in state
#			J2
P17_202	PACKET/J2/IMPROPER/P02	0406	Verify the IUT Resets a too long Interrupt packet (1 or 32
#			octets appended) received in state J2
P17_301	PACKET/J2/INOPPORTUNE/P01	0407	Verify the IUT Resets an Interrupt packet received in state J2
P18_101	PACKET/F1/PROPER/P01	0409	Verify the IUT will accept a window of DATA packets received
#			in state F1
P18_102	PACKET/F1/PROPER/P02	0410	Verify the IUT accepts an RNR packet after receiving a window
#			of Data packets in state F1
P18_201	PACKET/F1/IMPROPER/P01	0411	Verify the IUT Resets or discards a too long RR packet (one
#			octet appended) received in state F1
P18_202	PACKET/F1/IMPROPER/P02	0412	Verify the IUT Resets or discards too long RNR packet received

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Test Case Id.	Test Case Reference	Page	Description
#			in state F1
P18_301	PACKET/F1/INOPPORTUNE/P01	0413	Verify the IUT Resets an RR with an invalid P(R) received in state F1
#			
P18_302	PACKET/F1/INOPPORTUNE/P02	0414	Verify the IUT Resets an RNR with invalid P(R) received in state F1
#			
P19_101	PACKET/F2/PROPER/P01	0416	Verify the IUT accepts a RR packet received in state F2
P19_201	PACKET/F2/IMPROPER/P01	0417	Verify the IUT Resets or discards a too long RR packet (one octet appended) received in state F2
#			
P19_202	PACKET/F2/IMPROPER/P02	0419	Verify the IUT Resets or discards a too long RNR packet (one octet appended) received in state F2
#			
P19_301	PACKET/F2/INOPPORTUNE/P01	0421	Verify the IUT Resets an RR with an invalid P(R) received in state F2
#			
P19_302	PACKET/F2/INOPPORTUNE/P02	0422	Verify the IUT Resets an RNR with an invalid P(R) received in state F2
#			
P20_101	PACKET/G1/PROPER/P01	0424	Verify the IUT is capable of receiving both values of the Q-bit received in state G1
#			
P20_102	PACKET/G1/PROPER/P02	0424	Verify the IUT can accept a Data packet with no user data received in state G1
#			
P20_201	PACKET/G1/IMPROPER/P01	0425	Verify the IUT discards, Rejects or Resets a too long Data packet received in state G1
#			
P20_203	PACKET/G1/IMPROPER/P03	0426	Verify the IUT discards, Reject or Resets a too long Data packet with the M-bit set, received in state G1
#			
P20_301	PACKET/G1/INOPPORTUNE/P01	0427	Verify the IUT Resets a Data packet with bad P(R) received in state G1
#			
P20_302	PACKET/G1/INOPPORTUNE/P02	0428	Verify the IUT Resets, Rejects, or discards a Data packet with bad (S) received in state G1
#			
P20_308	PACKET/G1/INOPPORTUNE/P08	0429	Verify the IUT Resets a Data packet with D-bit set, when Delivery Confirmation is not used in state G1
#			
P22_101	PACKET/WINDOW/PROPER/P01	0432	Verify the IUT can transmit a full window of Data packets and observe the maximum window size
#			
P22_102	PACKET/WINDOW/PROPER/P02	0434	Verify the IUT will not send Data packets when the receiver (Tester) is in the Busy condition (RNR)
#			

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Test Case Id.	Test Case Reference	Page	Description
P22_105	PACKET/WINDOW/PROPER/P05	0435	Verify the IUT properly processes the sequence number modulo
P22_106	PACKET/WINDOW/PROPER/P06	0436	Verify the IUT supports Data packets with the M-bit set.
P22_202 #	PACKET/WINDOW/IMPROPER/P02	0437	Verify the IUT Resets a Data packet with an M-bit violation received in state D1
P22_203	PACKET/WINDOW/IMPROPER/P03	0438	Verify the IUT resets a Data packet with a changing Q bit
P22_204 #	PACKET/WINDOW/IMPROPER/P04	0439	Verify the IUT Resets or Rejects a Data packet with invalid P (S) received in state D1
P23_101	PACKET/TIMER/PROPER/P01	0441	Verify T20 timer operation
P23_102	PACKET/TIMER/PROPER/P02	0442	Verify T21 timer operation
P23_103	PACKET/TIMER/PROPER/P03	0443	Verify T22 timer operation for both VCs and PVCs
P23_105	PACKET/TIMER/PROPER/P05	0444	Verify T23 timer operation
P23_107	PACKET/TIMER/PROPER/P07	0445	Verify T25 timer operation for VCs and PVCs
P23_108	PACKET/TIMER/PROPER/P08	0446	Verify T26 timer operation for VCs and PVCs
P23_109	PACKET/TIMER/PROPER/P09	0447	Verify T27 timer operation for VCs and PVCs
P23_110	PACKET/TIMER/PROPER/P10	0448	Verify T28 timer operation for VCs and PVCs
P24_101 #	PACKET/ADDRESS/PROPER/P01	0450	Verify the IUT accepts an Incoming Call with maximum called address length
P24_102 #	PACKET/ADDRESS/PROPER/P02	0450	Verify the IUT accepts an Incoming Call with a valid calling and called address
P24_202 #	PACKET/ADDRESS/IMPROPER/P02	0451	Verify the IUT Clears an Incoming call packet with invalid called address
P24_203 #	PACKET/ADDRESS/IMPROPER/P03	0452	Verify the IUT Clears an Incoming Call packet with an invalid calling address
P25_101 #	PACKET/FACILITY/PROPER/P01	0454	Verify the IUT supports fast select acceptance with no restriction on response
P25_102 #	PACKET/FACILITY/PROPER/P02	0454	Verify the IUT supports fast select acceptance with restriction on response
P25_103 #	PACKET/FACILITY/PROPER/P03	0455	Verify the IUT accepts a Call Accept with user data, no restriction on response
P25_104 #	PACKET/FACILITY/PROPER/P04	0456	Verify the IUT supports a Clear Indication with user data <= 128 octets, no restriction on response
P25_105	PACKET/FACILITY/PROPER/P05	0457	Verify the IUT can handle a Call Request and Clear Request

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Test Case Id.	Test Case Reference	Page	Description
#			exchange with user data, restriction on response is supported
P25_106	PACKET/FACILITY/PROPER/P06	0458	Verify the IUT Clears a Call Connected packet with user data when restriction on response is in effect
#			
P25_107	PACKET/FACILITY/PROPER/P07	0459	Verify the IUT supports an Incoming Call with default throughput class
#			
P25_108	PACKET/FACILITY/PROPER/P08	0460	Verify the IUT supports a Call Request with default throughput class
#			
P25_109	PACKET/FACILITY/PROPER/P09	0461	Verify the IUT supports an Incoming Call with default packet size
#			
P25_110	PACKET/FACILITY/PROPER/P10	0462	Verify the IUT supports an Incoming Call with default window size
#			
P25_111	PACKET/FACILITY/PROPER/P11	0462	Verify IUT supports an Incoming Call with Transit Delay indication
#			
P25_112	PACKET/FACILITY/PROPER/P12	0463	Verify IUT accepts an Incoming Call with Closed User Group < 100
#			
P25_113	PACKET/FACILITY/PROPER/P13	0463	Verify the IUT accepts an Incoming Call with CUG > 99 and CUG < 10000
#			
P25_114	PACKET/FACILITY/PROPER/P14	0464	Verify the IUT accepts a Call with Bilateral CUG
P25_115	PACKET/FACILITY/PROPER/P15	0464	Verify the IUT accepts a call with Reverse Charging facility
P25_116	PACKET/FACILITY/PROPER/P16	0465	Verify the IUT accepts a call using the CCITT-Specified DTE Calling and Called Address Extension Facility
#			
P25_201	PACKET/FACILITY/IMPROPER/P01	0466	Verify the IUT Clears an Incoming Call packet with facility length greater than 109.
#			
P25_202	PACKET/FACILITY/IMPROPER/P02	0467	Verify the IUT Clears an Incoming Call packet with no facility field
#			
P25_203	PACKET/FACILITY/IMPROPER/P03	0468	Verify the IUT Clears an Incoming Call packet with facility parameter not allowed
#			
P25_204	PACKET/FACILITY/IMPROPER/P04	0469	Verify the IUT Clears an Incoming Call packet with call duration
#			
P25_205	PACKET/FACILITY/IMPROPER/P05	0470	Verify the IUT Clears a Call Connected packet containing Closed User Group (CUG)
#			
P25_206	PACKET/FACILITY/IMPROPER/P06	0471	Verify the IUT Clears a Clear Indication containing flow

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Test Case Id.	Test Case Reference	Page	Description
#			control parameter negotiation
P25_207	PACKET/FACILITY/IMPROPER/P07	0472	Verify the IUT Clears an Incoming Call packet with facilities length shorter than specified, answer initial Clear with a Clear Confirm with Reverse Charging facility.
#			
#			
P25_208	PACKET/FACILITY/IMPROPER/P08	0473	Verify the IUT Clears an Incoming Call with facility code 'FE'H
#			
P25_209	PACKET/FACILITY/IMPROPER/P09	0474	Verify the IUT clears a Clear Indication with facility code 'FE'H
#			
P26_101	PACKET/REG/PROPER/P01	0476	Verify the IUT registers D-BIT modification
P26_102	PACKET/REG/PROPER/P02	0477	Verify the IUT registers Packet Retransmission
P26_103	PACKET/REG/PROPER/P03	0478	Verify the IUT registers Extended Packet sequence numbering
P26_104	PACKET/REG/PROPER/P04	0479	Verify the IUT supports the Charging Information Facility (Per-Interface basis)
#			
P26_105	PACKET/REG/PROPER/P05	0480	Verify the IUT registers Throughput class negotiation
P26_106	PACKET/REG/PROPER/P06	0481	Verify the IUT registers Flow Control negotiation
P26_107	PACKET/REG/PROPER/P07	0482	Verify the IUT registers Reverse Charging facility
P26_108	PACKET/REG/PROPER/P08	0483	Verify the IUT registers Fast Select acceptance
P26_109	PACKET/REG/PROPER/P09	0484	Verify the IUT registers outgoing calls barred facility
P26_110	PACKET/REG/PROPER/P10	0485	Verify the IUT registers Incoming Calls Barred
P26_111	PACKET/REG/PROPER/P11	0486	Verify the IUT registers Default Throughput Class
P26_112	PACKET/REG/PROPER/P12	0487	Verify the IUT registers Non-standard Default Packet Size
P26_113	PACKET/REG/PROPER/P13	0488	Verify the IUT registers Nonstandard Default Window size
P27_101	PACKET/LCI/PROPER/P01	0490	Verify the IUT can set up simultaneous calls.
P27_102	PACKET/LCI/PROPER/P02	0492	Verify the IUT can set up and clear simultaneous calls
P27_103	PACKET/LCI/PROPER/P03	0494	Verify the IUT can accept simultaneous calls
P28_101	PACKET/DTE/PROPER/P01	0496	Verify the IUT acts as a DTE during call collision
P28_102	PACKET/DTE/PROPER/P02	0497	Verify the IUT acts as a DCE when sent a Restart with Cause Code DTE originated
#			
P28_103	PACKET/DTE/PROPER/P03	0498	Verify the IUT can handle a Restart collision with a Restart containing Cause Code DTE originated
#			
P28_104	PACKET/DTE/PROPER/P04	0499	Verify the IUT acting as a DTE Clears a Call packet with a facility code not applicable to DTE/DTE operation
#			

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Test Case Id.	Test Case Reference	Page	Description
P28_105 # P28_106 # P28_107 # P28_108 #	PACKET/DTE/PROPER/P05 PACKET/DTE/PROPER/P06 PACKET/DTE/PROPER/P07 PACKET/DTE/PROPER/P08	0500 0501 0502 0503	Verify the IUT acting as a DTE accepts a Registration Request and issues a Restart Request Verify the IUT acting as a DTE handles Registration Request collision Verify the IUT retransmits a Data packet upon receipt of a Reject Request Verify the IUT acting as a DCE accepts a Clear with cause code DTE originated
Test Step Identifier	**Test Step Reference**	**Page**	**Description**
ASSIGN_DCE (TYPE : #INTEGER) ASSIGN_DTE (TYPE : #INTEGER) # CLR_UNEXPECTED D_STATE_CLR # # D_STATE_RES # # # D1_UNEXPECTED # D1A_UNEXPECTED # D1B_UNEXPECTED # D1C_UNEXPECTED #	PACKET/ASSIGN_DCE PACKET/ASSIGN_DTE PACKET/CLR_UNEXPECTED PACKET/D_STATE_CLR PACKET/D_STATE_RES PACKET/D1_UNEXPECTED PACKET/D1A_UNEXPECTED PACKET/D1B_UNEXPECTED PACKET/D1C_UNEXPECTED 	0504 0506 0507 0508 0508 0509 0509 0510 0510 	Assign a value to the test case variables LC, LCGN, LCN based on the requested Logical Channel TYPE. Assign a value to the test case variables LC, LCGN, LCN based on the requested Logical Channel TYPE. Assignment is done as if the tester were acting as a DTE. Handle an unexpected Clear packet When a Clear is received from an IUT in a D state (D1, D2, D3, I1, I2, J1, J2, F1, F2) the verification step must use R1_POSTAMBLE. When a Restart is received from an IUT in a D state (D1, D2, D3, I1, I2, J1, J2, F1, F2) the verification step uses R1_POSTAMBLE if the Logical Channel is a VC or D1_POSTAMBLE if the Logical Channel is a PVC. Handle any acceptable but unexpected packets received from the IUT while in state D1, (Reset and Reject excluded). Handle any acceptable but unexpected packets received from the IUT while in Data Transfer (D1). Handle any acceptable but unexpected packets received from the IUT while in Data Transfer (D1), (Interrupt excluded) Handle any acceptable but unexpected packets received while the IUT is in Data Transfer (D1), (Reset excluded).

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Test Step Identifier	Test Step Reference	Page	Description
D1_POSTAMBLE	PACKET/D1_POSTAMBLE	0511	Verify the IUT is in state D1
D1_PVC_PREAMBLE	PACKET/D1_PVC_PREAMBLE	0512	Put the IUT into state D1, only used for PVC logical channels.
D2_POSTAMBLE	PACKET/D2_POSTAMBLE	0513	Verify the IUT is in state D2
D2_PREAMBLE	PACKET/D2_PREAMBLE	0513	Put the IUT into state D2 DTE Reset Request.
D3_UNEXPECTED # #	PACKET/D3_UNEXPECTED	0514	Handles any unexpected responses from the IUT immediately after the IUT has been put into state D3. State D3 DXE Reset Request is a transient state.
EXCH_DAT_EMPTY #(COUNT : INTEGER) #	PACKET/EXCH_DAT_EMPTY	0515	Send the IUT the sequence of Data packets defined in PIXIT question 2.14 in order to test for the handling of an empty Data packet.
EXCH_DAT (COUNT : #INTEGER) # # #	PACKET/EXCH_DAT	0516	If the IUT can receive and transmit data then send one data packet to the IUT and request the IUT to send one data packet. If the IUT is a send only IUT then request the IUT to send one data packet. If the IUT is a receive only IUT then send the IUT one data packet.
EXCH_DAT_MBIT (COUNT #: INTEGER)	PACKET/EXCH_DAT_MBIT	0517	Send the IUT the sequence of Data packets defined in PIXIT question 2.15 in order to test for support of the M-bit.
EXCH_DAT_NOACK #(COUNT : INTEGER) # # #	PACKET/EXCH_DAT_NOACK	0518	If the IUT can receive and transmit data then send one data packet to the IUT and request the IUT to send one data packet. If the IUT is a send only IUT then request the IUT to send one data packet. Do not acknowledge receipt of Data packets from the IUT.
EXCH_DAT_QBIT (COUNT #: INTEGER) #	PACKET/EXCH_DAT_QBIT	0519	Send the IUT the sequence of Data packets defined in PIXIT question 2.12 in order to test for correct error handling of a changing Q-bit.
EXCH_DAT_QBIT_A #(COUNT : INTEGER)	PACKET/EXCH_DAT_QBIT_A	0520	Send the IUT the sequence of Data packets defined in PIXIT question 2.13 in order to test for support of the Q-bit.
GEN1_POSTAMBLE	PACKET/GEN1_POSTAMBLE	0520	General postamble used after receipt of a CLEAR from the IUT.
GEN2_POSTAMBLE #	PACKET/GEN2_POSTAMBLE	0521	General postamble used after the receipt of a RESTART from the IUT.
INITDTE	PACKET/INITDTE	0521	Put the IUT into state R1
IUT_TX_DATA	PACKET/IUT_TX_DATA	0521	Request the IUT to transmit one Data packet.

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Test Step Identifier	Test Step Reference	Page	Description
J2_UNEXPECTED	PACKET/J2_UNEXPECTED	0522	Handle unexpected packets from the IUT while in state J2.
LC_VERIFY (LC : #INTEGER)	PACKET/LC_VERIFY	0522	Verify that the received logical channel is not already in use.
P1_INOPP #	PACKET/P1_INOPP	0523	Handles the response to INOPPORTUNE packets sent to the IUT while in state P1. Used in test cases 4_301 through 4_310
P1_PREAMBLE (TYPE : #INTEGER)	PACKET/P1_PREAMBLE	0524	Put the IUT in state P1
P2_INOPP #	PACKET/P2_INOPP	0525	Handles the response to inopportune packets sent to the IUT while in state P2.
P2_POSTAMBLE	PACKET/P2_POSTAMBLE	0525	Verify the IUT is in state P2
P2_PREAMBLE	PACKET/P2_PREAMBLE	0526	Put the specified channel in DTE Call Request state P2
P3_INOPP #	PACKET/P3_INOPP	0000	Handles the response to inopportune packets sent to the IUT while in state P3.
P3_UNEXPECTED #	PACKET/P3_UNEXPECTED	0527	Handle unexpected packets received from the IUT while in state P3. Cancel all running timers.
P4_POSTAMBLE #	PACKET/P4_POSTAMBLE	0527	Verify the IUT is in state P4. P4_POSTAMBLE leaves the IUT in state R1.
P4D1_PREAMBLE	PACKET/P4D1_PREAMBLE	0528	Put the Logical Channel in to the Data Transfer state P4 (D1)
P4D1_PREAMBLE_A #	PACKET/P4D1_PREAMBLE_A	0531	Put the Logical Channel in to the Data Transfer state P4 (D1), but do not negotiate use of Delivery Confirmation
P5_INOPP #	PACKET/P5_INOPP	0533	Handles the response to inopportune packets sent to the IUT while in state P5.
P5_PREAMBLE	PACKET/P5_PREAMBLE	0534	Put the IUT in the Call Collision state P5
P6_POSTAMBLE #	PACKET/P6_POSTAMBLE	0535	Verify the IUT is in state P6 after the test body has successfully completed
P6_PREAMBLE	PACKET/P6_PREAMBLE	0535	Put the channel (LCI) in state P6 DTE Clear Request
P7_UNEXPECTED #	PACKET/P7_UNEXPECTED	0536	Handles any unexpected responses from the IUT immediately after the IUT has been put in state P7.
R1_POSTAMBLE	PACKET/R1_POSTAMBLE	0537	Verify the IUT is in state R1 for VCs and D1 for PVCs.
R1_PREAMBLE (TYPE : #INTEGER) #	PACKET/R1_PREAMBLE	0538	Put the IUT into state R1 Ready and assign a logical channel to the Test Case variable LC based on the type of logical channel requested in the "type" parameter.

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Test Step Identifier	Test Step Reference	Page	Description
R2_POSTAMBLE # #	PACKET/R2_POSTAMBLE	0539	For test cases that leave the IUT in state R2 after the test body has completed R2_POSTAMBLE, will move the IUT to the stable state R1
R2_PREAMBLE	PACKET/R2_PREAMBLE	0539	Put the IUT into state R2
R3_UNEXPECTED #	PACKET/R3_UNEXPECTED	0539	Handle unexpected packets from the IUT received while the IUT is in state R3 (DXE Restart Request).
RSET_UNEXPECTED	PACKET/RSET_UNEXPECTED	0540	Handle an unexpected Reset packet
RSTRT_UNEXPECTED # #	PACKET/RSTRT_UNEXPECTED	0540	An unexpected Restart Request will be responded to with a Restart Confirmation and the test case will give an Inconclusive verdict
RX_DATA # #	PACKET/RX_DATA	0541	Wait for one or more Data packets to arrive from the IUT or the expiration of timer TDD, discard any RR's received before the Data packet arrives
RX_INTERRUPT #	PACKET/RX_INTERRUPT	0542	Receive an Interrupt packet of length 1 to 32 octets based on type of IUT
TX_DATA (I : #INTEGER)	PACKET/TX_DATA	0544	Transmit a Data packet to the IUT
TX_DATA_EMPTY (I : #INTEGER)	PACKET/TX_DATA_EMPTY	0545	Transmit a Data packet to the IUT
TX_DATA_MBIT (I : #INTEGER)	PACKET/TX_DATA_MBIT	0546	Transmit a Data packet to the IUT from the user supplied Data packets for testing M-bit support; PIXIT question 2.15
TX_DATA_NOACK (I : #INTEGER)	PACKET/TX_DATA_NOACK	0547	Transmit a Data packet to the IUT but do not acknowledge any received data packets.
TX_DATA_QBIT (I : #INTEGER)	PACKET/TX_DATA_QBIT	0548	Transmit a Data packet to the IUT from the user supplied Data packets for testing Q-bit error handling.
TX_DATA_QBIT_A (I : #INTEGER)	PACKET/TX_DATA_QBIT_A	0549	Transmit a Data packet to the IUT from the user supplied Data packets for testing Q-bit support.
Default Identifier	Default Reference	Page	Description

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User Type Definitions			
Name	Base Type	Definition	Comments
INT_ARRAY # # # #	INTEGER	{1.. SIM_CALL_OUT}	an array of integers used to store the active logical channel numbers. See PLG 27 and LC_VERIFY. The notation { } is not defined in ISO DIS 9646-3.

User Operation Definition
Operation Name:GET_LCGN (LOG_CHAN_ID : INTEGER[12]) Result Type :BITSTRING[4]
Description
GET_LCGN (LOG_CHAN_ID : INTEGER[12]) extracts the LCGN from the Logical #Channel Identifier. As an example: if the Logical Channel Identifier passed in is 129 #('000100000001'B) the returned value from GET_LCGN would be '0001'B the #highorder four bits.

User Operation Definition
Operation Name:GET_LCN (LOG_CHAN_ID : INTEGER[12]) Result Type :BITSTRING[8]
Description
GET_LCN (LOG_CHAN_ID : INTEGER[12]) extracts the LCN from the passed in #LCI Extracts the Logical Channel Number, low order eight bits from the Logical #Channel Identifier, returning the LCN. For example: if the LOG_CHAN_ID is #129 ('000100000001'B) the returned value would be one, equivalent to #'00000001'B.

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User Operation Definition
Operation Name:GET_LCI (LCGN : BITSTRING[4] ; LCN : BITSTRING[8]) Result Type :INTEGER
Description
GET_LCI (LCGN : BITSTRING ; LCN : BITSTRING) constructs the LCI from the #Logical Channel Group Number and Logical Channel Number. As an example: if the parameter passed in as the LCGN has the value '0001'B #and the parameter passed as the LCN is has the value '00000001'B the #resulting value would be the concatenation of the 4 bits from the LCGN to #the high order end of the LCN resulting in a bitstring value of #'000100000001'B which is then converted to an integer (for this example #129) and returned.

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Test Suite Parameters			
Name	Type	PICS/PIXIT Ref.	Comments
CCITT_80	BOOLEAN	PIXIT 1.1	IUT is to be tested to CCITT X.25 1980
CCITT_84	BOOLEAN	PIXIT 1.1	IUT is to be tested to CCITT X.25 1984
ISO	BOOLEAN	PIXIT 1.1	IUT is to be tested to ISO 8208
IUT_TX	BOOLEAN	PIXIT 1.2a	IUT is capable of sending data
IUT_RX	BOOLEAN	PIXIT 1.2b	IUT is capable of receiving data
LPV	INTEGER	PIXIT 1.3	Low PVC LCI
HPV	INTEGER	PIXIT 1.3	High PVC LCI
LIC	INTEGER	PIXIT 1.4a	Low Incoming LCI
HIC	INTEGER	PIXIT 1.4a	High Incoming LCI
LOC	INTEGER	PIXIT 1.4b	Low Outgoing LCI
HOC	INTEGER	PIXIT 1.4b	High Outgoing LCI
LTC	INTEGER	PIXIT 1.4c	Low Two-way LCI
HTC	INTEGER	PIXIT 1.4c	High Two-way LCI
LCI_UNDER_TEST	INTEGER	PIXIT 1.5	Logical Channel Under Test
LUC	INTEGER	PIXIT 1.6	Unassigned Logical Channel
SIM_CALL_IN	INTEGER	PIXIT 1.7	Simultaneous incoming calls
SIM_CALL_OUT	INTEGER	PIXIT 1.8	Simultaneous outgoing calls
DEF_WIN_SZ	INTEGER	PIXIT 1.9a	Default window size
NS_DEF_WIN_SZ	HEXSTRING[2]	PIXIT 1.9b	Nonstandard default window size
NS_DEF_WIN_SZ_NUM	INTEGER	PIXIT 1.9c	Used in P26_113
NS_DEF_PKT_SZ	HEXSTRING[2]	PIXIT 1.10	Nonstandard default packet size
MAX_PKT_SZ	INTEGER	PIXIT 1.11	
SEQ_MODULO	INTEGER	PIXIT 1.12	the sequence modulo used for testing
DISC_AT_DL	BOOLEAN	PIXIT 1.13	
REPLY_REQUIRED	BOOLEAN	PIXIT 1.14	
FIRST_DATA_FROM_IUT	BOOLEAN	PIXIT 1.15	
TR_DELAY	INTEGER	PIXIT 1.18a	
TC_DELAY	INTEGER	PIXIT 1.18b	
TS_DELAY	INTEGER	PIXIT 1.18c	
T20	INTEGER	PIXIT 1.19	
T21	INTEGER	PIXIT 1.19	

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Name	Type	PICS/PIXIT Ref.	Comments
T22	INTEGER	PIXIT 1.19	
T23	INTEGER	PIXIT 1.19	
T24	INTEGER	PIXIT 1.19	
T25	INTEGER	PIXIT 1.19	
T26	INTEGER	PIXIT 1.19	
T27	INTEGER	PIXIT 1.19	
T28	INTEGER	PIXIT 1.19	
TD_RESPONSE	INTEGER	PIXIT 1.20	
TDELTA	INTEGER	PIXIT 1.21	
TO_DELAY_R3_MIN	INTEGER	PIXIT 1.22	
TO_DELAY_R3_MAX	INTEGER	PIXIT 1.22	
TO_DELAY_P3_MIN	INTEGER	PIXIT 1.22	
TO_DELAY_P3_MAX	INTEGER	PIXIT 1.22	
TO_DELAY_D3_MIN	INTEGER	PIXIT 1.22	
TO_DELAY_D3_MAX	INTEGER	PIXIT 1.22	
TO_DELAY_P7_MIN	INTEGER	PIXIT 1.22	
TO_DELAY_P7_MAX	INTEGER	PIXIT 1.22	
TO_DELAY_J2_MIN	INTEGER	PIXIT 1.22	
TO_DELAY_J2_MAX	INTEGER	PIXIT 1.22	
TD_WAIT_TIME	INTEGER	PIXIT 1.23	
TST_ADDR_INV	OCTETSTRING	PIXIT 2.1b	
TST_ADDR_INVL	INTEGER	PIXIT 2.1b	
IUT_ADDR_INV	OCTETSTRING	PIXIT 2.1d	
IUT_ADDR_INVL	INTEGER	PIXIT 2.1d	
TST_ADDR1	OCTETSTRING	PIXIT 2.2a	
TST_ADDR1_L	INTEGER	PIXIT 2.2a	
TST_ADDR2	OCTETSTRING	PIXIT 2.2b	
TST_ADDR2_L	INTEGER	PIXIT 2.2b	
IUT_ADDR1	OCTETSTRING	PIXIT 2.2a	
IUT_ADDR1_L	INTEGER	PIXIT 2.2a	
IUT_ADDR2	OCTETSTRING	PIXIT 2.2b	
IUT_ADDR2_L	INTEGER	PIXIT 2.2b	

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Name	Type	PICS/PIXIT Ref.	Comments
IUT_ADDR5	OCTETSTRING	PIXIT 2.3a	
IUT_ADDR5_L	INTEGER	PIXIT 2.3a	
IUT_ADDR6	OCTETSTRING	PIXIT 2.3b	
IUT_ADDR6_L	INTEGER	PIXIT 2.3b	
TST_ADDR5	OCTETSTRING	PIXIT 2.3a	
TST_ADDR5_L	INTEGER	PIXIT 2.3a	
TST_ADDR6	OCTETSTRING	PIXIT 2.3b	
TST_ADDR6_L	INTEGER	PIXIT 2.3b	
IUT_ADDR_MAX	OCTETSTRING	PIXIT 2.4	
IUT_ADDR_MAXL	INTEGER	PIXIT 2.4	
TST_AF	OCTETSTRING	PIXIT 2.5a	
IUT_AF	OCTETSTRING	PIXIT 2.5a	
TST_AF_L	INTEGER	PIXIT 2.5a	
IUT_AF_L	INTEGER	PIXIT 2.5a	
F_NONX25	OCTETSTRING	PIXIT 2.5b	
F_NONX25_L	INTEGER	PIXIT 2.5b	
F_AE	OCTETSTRING	PIXIT 2.5c	
F_AE_L	INTEGER	PIXIT 2.5c	
FAST_SELECT	BOOLEAN	PIXIT 2.6a /	
#		PICS SP 1b-2e,	
#		3b-4e	
FACS_110	OCTETSTRING[110]	PIXIT 2.6d	
CALL_IND_F	OCTETSTRING	PIXIT 2.7a	
CALL_IND_FL	OCTETSTRING	PIXIT 2.7a	
CALL_IND_UD	OCTETSTRING	PIXIT 2.7a	
CALL_REQ_F	OCTETSTRING	PIXIT 2.7b	
CALL_REQ_FL	OCTETSTRING	PIXIT 2.7b	
CALL_REQ_UD	OCTETSTRING	PIXIT 2.7b	
CALL_CON_F	OCTETSTRING	PIXIT 2.7c	
CALL_CON_FL	OCTETSTRING	PIXIT 2.7c	
CALL_CON_UD	OCTETSTRING	PIXIT 2.7c	
CALL_ACC_F	OCTETSTRING	PIXIT 2.7d	

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Name	Type	PICS/PIXIT Ref.	Comments
CALL_ACC_FL	OCTETSTRING	PIXIT 2.7d	
CALL_ACC_UD	OCTETSTRING	PIXIT 2.7d	
CLR_IND_F	OCTETSTRING	PIXIT 2.7e	
CLR_IND_FL	OCTETSTRING	PIXIT 2.7e	
CLR_IND_UD	OCTETSTRING	PIXIT 2.7e	
CLR_REQ_F	OCTETSTRING	PIXIT 2.7f	
CLR_REQ_FL	OCTETSTRING	PIXIT 2.7f	
CLR_REQ_UD	OCTETSTRING	PIXIT 2.7f	
CLC_RX_F	OCTETSTRING	PIXIT 2.7g	
CLC_RX_FL	OCTETSTRING	PIXIT 2.7g	
CLC_TX_F	OCTETSTRING	PIXIT 2.7h	
CLC_TX_FL	OCTETSTRING	PIXIT 2.7h	
BCUG_NUM	INTEGER	PIXIT 2.8a	
ECUG_NUM	INTEGER	PIXIT 2.8b	
BICUG_NUM	INTEGER	PIXIT 2.8c	
DEF_THRUPT	OCTETSTRING	PIXIT 2.9	
THRUPT	OCTETSTRING	PIXIT 2.10	
TRNS_DELAY_1	BITSTRING[8]	PIXIT 2.11	Transit Delay first octet
TRNS_DELAY_2	BITSTRING[8]	PIXIT 2.11	Transit Delay second octet
F_NUI	OCTETSTRING	PIXIT 2.12	
F_NUI_L	INTEGER	PIXIT 2.12	
Q	BITSTRING[1]	PIXIT 2.13 - 2.18	value given in PIXIT for each user defined Data packet
#			
D	BITSTRING[1]	PIXIT 2.13 - 2.18	value given in PIXIT for each user defined data
#			
M	BITSTRING[1]	PIXIT 2.13 - 2.18	value given in PIXIT for each user defined data
#			
UD_0	OCTETSTRING	PIXIT 2.13	
UD_1	OCTETSTRING	PIXIT 2.13	
UD_2	OCTETSTRING	PIXIT 2.13	
UD_3	OCTETSTRING	PIXIT 2.13	
UD_4	OCTETSTRING	PIXIT 2.13	

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Name	Type	PICS/PIXIT Ref.	Comments
UD_5	OCTETSTRING	PIXIT 2.13	
UD_6	OCTETSTRING	PIXIT 2.13	
UD_7	OCTETSTRING	PIXIT 2.13	
UD_8	OCTETSTRING	PIXIT 2.13	
UD_U	OCTETSTRING	PIXIT 2.13	universally applicable data packet
UDQ0	OCTETSTRING	PIXIT 2.14	
UDQ1	OCTETSTRING	PIXIT 2.14	
UDQ2	OCTETSTRING	PIXIT 2.14	
UDQ3	OCTETSTRING	PIXIT 2.14	
UDQ4	OCTETSTRING	PIXIT 2.14	
UDQ5	OCTETSTRING	PIXIT 2.14	
UDQ6	OCTETSTRING	PIXIT 2.14	
UDQ7	OCTETSTRING	PIXIT 2.14	
UDQ8	OCTETSTRING	PIXIT 2.14	
UDQ0A	OCTETSTRING	PIXIT 2.15	
UDQ1A	OCTETSTRING	PIXIT 2.15	
UDQ2A	OCTETSTRING	PIXIT 2.15	
UDQ3A	OCTETSTRING	PIXIT 2.15	
UDQ4A	OCTETSTRING	PIXIT 2.15	
UDQ5A	OCTETSTRING	PIXIT 2.15	
UDQ6A	OCTETSTRING	PIXIT 2.15	
UDQ7A	OCTETSTRING	PIXIT 2.15	
UDQ8A	OCTETSTRING	PIXIT 2.15	
UDE0	OCTETSTRING	PIXIT 2.16	
UDE1	OCTETSTRING	PIXIT 2.16	
UDE2	OCTETSTRING	PIXIT 2.16	
UDE3	OCTETSTRING	PIXIT 2.16	
UDE4	OCTETSTRING	PIXIT 2.16	
UDE5	OCTETSTRING	PIXIT 2.16	
UDE6	OCTETSTRING	PIXIT 2.16	
UDE7	OCTETSTRING	PIXIT 2.16	
UDE8	OCTETSTRING	PIXIT 2.16	

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Name	Type	PICS/PIXIT Ref.	Comments
UDM0	OCTETSTRING	PIXIT 2.17	
UDM1	OCTETSTRING	PIXIT 2.17	
UDM2	OCTETSTRING	PIXIT 2.17	
UDM3	OCTETSTRING	PIXIT 2.17	
UDM4	OCTETSTRING	PIXIT 2.17	
UDM5	OCTETSTRING	PIXIT 2.17	
UDM6	OCTETSTRING	PIXIT 2.17	
UDM7	OCTETSTRING	PIXIT 2.17	
UDM8	OCTETSTRING	PIXIT 2.17	
UDMP	OCTETSTRING	PIXIT 2.18	
UD1	OCTETSTRING	PIXIT 2.19	
UD3	OCTETSTRING	PIXIT 2.19	
UD16	OCTETSTRING	PIXIT 2.19	
UD17	OCTETSTRING	PIXIT 2.19	
UD32	OCTETSTRING	PIXIT 2.19	
UD110	OCTETSTRING	PIXIT 2.19	
UD128	OCTETSTRING	PIXIT 2.19	
UD129	OCTETSTRING	PIXIT 2.19	
UDNS	OCTETSTRING	PIXIT 2.19	
UD_I_IUT	OCTETSTRING	PIXIT 2.20	
UD_I_TST	OCTETSTRING	PIXIT 2.20	
D_BIT_SUPP	BOOLEAN	PICS DCN1 DCN2	Delivery Confirmation Supported
REJ_SUPP	BOOLEAN	PICS DR6	Packet Retransmission Supported
CLR_ON_ERR_R	BOOLEAN	PICS W2s	IUT Clears on ERROR-R (Clear instead of Reset)
RST_ON_ERR_R	BOOLEAN	PICS W2s	IUT Restarts on ERROR-R (Restart instead of Reset)
RST_ON_ERR_C	BOOLEAN	PICS W1	IUT Restarts on ERROR-C (Restart instead of Clear)
RST_ON_ERR_R_PVC	BOOLEAN	PICS W2p	IUT Restarts on ERROR-R
IUT_ACTS_DCE	BOOLEAN	PICS Et/c	DTE/DTE testing the IUT is a DCE
IUT_ACTS_DTE	BOOLEAN	PICS Et/t	DTE/DTE testing the IUT is a DTE
IUT_DYNAMIC	BOOLEAN	PICS Et/d	DTE/DTE testing the IUT is dynamic in its role

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Test Suite Constants			
Name	Type	Value	Comments
GFI_B	BITSTRING	'01'B	basic format PDU
GFI_X	BITSTRING	'10'B	extended format PDU
TVC	INTEGER	1	Two-way logical channel
PVC	INTEGER	2	Permanent Virtual Circuit
IVC	INTEGER	3	Incoming Virtual Call
OVC	INTEGER	4	Outgoing Virtual Call
UVC	INTEGER	5	Undefined Logical Channel
TVC_OR_IVC	INTEGER	6	Two-way or Incoming
TVC_OR_OVC	INTEGER	7	Two-way or Outgoing
SVC	INTEGER	8	Two-way, Incoming or Outgoing VC
ANY_VC	INTEGER	9	Any VC or PVC
NO_LC	INTEGER	10	no logical channel
NULL	INTEGER	'FFFFFF'H	a value never used in the test suite

Test Suite Variables			
Name	Type	Value	Comments
FIRST_TEST	BOOLEAN	TRUE	

Test Case Variables			
Name	Type	Value	Comments
COUNT	INTEGER	0	working integer variable
COUNT1	INTEGER	0	counter
D_BIT_IN_USE	BOOLEAN	FALSE	
GF	INTEGER	0	counter used to increment the GFI
I	INTEGER	0	working integer variable
LC	INTEGER	0	3 semi-octets containing the LCGN
#			and LCN used to form the LCI
LCGN	BITSTRING[4]	'0000'B	the Logical Channel Group Number
LCN	BITSTRING[8]	'00000000'B	the Logical Channel Number
LCI_ACTIVE	INT_ARRAY	0	initialize all entries in
#			LCI_ACTIVE to 0
PS	INTEGER	0	the P(S)
PT	INTEGER	0	the trailing window edge
PR	INTEGER	0	the P(R)
TEMP	BITSTRING[1]	'0'B	

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PCO Type Declarations			
Name	Type	Role	Comments
L # # #

Abbreviation Declarations		
Abbreviation	Expansion	Comments
BS	BITSTRING	abbreviation of BITSTRING used in
#		constraints
CAUSE_EQ_0	(CAUSE = 0)	cause code field of the pdu is 0
CAUSE_EQ_128	(CAUSE = 128)	cause code field of the pdu is 128
CAUSE_LT_128	(CAUSE < 128)	cause code field of the pdu has a
#		value between 0 and 127
CAUSE_GE_128	(CAUSE >= 128)	cause code field of the pdu has a
#		value greater than or equal to 128
CAUSE_NOT_0	(CAUSE <> 0)	
CAUSE_NOT_128	(CAUSE <> 128)	
DIAG0	(DIAG = 0)	no additional information
DIAG1	(DIAG = 1)	; invalid P(S)
DIAG2	(DIAG = 2)	; invalid P(R)
DIAG16	(DIAG = 16)	packet type invalid
DIAG17	(DIAG = 17)	; packet type invalid for state r1
DIAG19	(DIAG = 19)	; packet type invalid for state r3
DIAG20	(DIAG = 20)	; packet type invalid for state p1
DIAG21	(DIAG = 21)	; packet type invalid for state p2
DIAG22	(DIAG = 22)	; packet type invalid for state p3
DIAG23	(DIAG = 23)	; packet type invalid for state p4
DIAG24	(DIAG = 24)	; packet type invalid for state p5
DIAG25	(DIAG = 25)	; packet type invalid for state p6
DIAG26	(DIAG = 26)	; packet type invalid for state p7
DIAG27	(DIAG = 27)	; packet type invalid for state d1
DIAG29	(DIAG = 29)	; packet type invalid for state d3
DIAG32	(DIAG = 32)	packet not allowed
DIAG33	(DIAG = 33)	; unidentifiable packet
DIAG35	(DIAG = 35)	; invalid packet type on a PVC
DIAG36	(DIAG = 36)	; packet on unassigned logical channel
DIAG38	(DIAG = 38)	; packet too short
DIAG39	(DIAG = 39)	; packet too long
DIAG41	(DIAG = 41)	; restart or registration packet with
#		nonzero LCI
DIAG42	(DIAG = 42)	; unauthorized Interrupt Confirmation
DIAG43	(DIAG = 43)	; unauthorized Interrupt Confirmation
DIAG44	(DIAG = 44)	; unauthorized Interrupt
DIAG48	(DIAG = 48)	Timer Expired; for Incoming Call/Call
#		Request
DIAG49	(DIAG = 49)	; for Incoming Call
DIAG50	(DIAG = 50)	; for Clear Indication
DIAG51	(DIAG = 51)	; for Reset Indication
DIAG52	(DIAG = 52)	; for Restart Indication
DIAG64	(DIAG = 64)	Call Setup, Call Clearing, or
#		Registration Problem
DIAG65	(DIAG = 65)	; facility/registration code not

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Abbreviation	Expansion	Comments
#		allowed
DIAG66	(DIAG = 66)	; facility parameter not allowed
DIAG67	(DIAG = 67)	; invalid called DTE address
DIAG68	(DIAG = 68)	; invalid calling DTE address
DIAG69	(DIAG = 69)	; invalid facility/registration length
DIAG80	(DIAG = 80)	miscellaneous
DIAG83	(DIAG = 83)	; inconsistent Q-bit settings
DIAG144	(DIAG = 144)	Timer expired or retransmission count
#		surpassed
DIAG145	(DIAG = 145)	; for interrupt
DIAG147	(DIAG = 147)	; for reject
DIAG160	(DIAG = 160)	DTE-Specific Signals
DIAG165	(DIAG = 165)	; invalid partially full Data packet
DIAG166	(DIAG = 166)	; D-bit procedure not supported
DIAG167	(DIAG = 167)	; Registration/Cancellation confirmed
IN	INTEGER	abbreviation of INTEGER used in
#		constraints
LCI	LCGN,LCN	used in most constraints
PS_UPDATE	(PS := (PS + 1) MOD	update the P(S) value
#	SEQ_MODULO)	
PR_VERIFY	[(DATA.PR +	verify the IUT is acknowledging
#	SEQ_MODULO - PT) MOD	previously transmitted Data packets
#	SEQ_MODULO <= (PS +	
#	SEQ_MODULO - PT) MOD	
#	SEQ_MODULO]	
PR_UPDATE	(PR := (DATA.PS + 1)	update the P(R) value based on the
#	MOD SEQ_MODULO)	received P(S)
PT_UPDATE1	(PT := DATA.PR)	update trailing edge counter PT for
#		the transmitted window
PT_UPDATE2	(PT := RR.PR)	update trailing edge counter PT for
#		the transmitted window
PT_UPDATE3	(PT := RNR.PR)	update trailing edge counter PT for
#		the transmitted window
PT_UPDATE4	(PT := REJ.PR)	update trailing edge counter PT for
#		the transmitted window

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PDU Type Declaration		
PDU Name:ACCEPT (Call Accept/ Call Connected)	PCO Type:	Comments:
PDU Field Information		
Field Name	**Type**	**Comments**
HEADER	GROUP	
PTI	OCTETSTRING[1]	Packet Type Identifier
ADDRESS	GROUP	
FACILITY	GROUP	
UDATA	OCTETSTRING[0..128]	Called User Data field: extended format only; maximum length of 128
#		

PDU Type Declaration		
PDU Name:CALL (Call Request/ Incoming Call)	PCO Type:	Comments:
PDU Field Information		
Field Name	**Type**	**Comments**
HEADER	GROUP	
PTI	OCTETSTRING[1]	Packet Type Identifier
ADDRESS	GROUP	
FACILITY	GROUP	
UDATA	OCTETSTRING[0..128]	Called User Data field, maximum of 16 with no Fast Select and 128 with Fast Select Accept
#		
#		

PDU Type Declaration		
PDU Name:CLEAR (Clear Request/ Clear Indication)	PCO Type:	Comments:
PDU Field Information		
Field Name	**Type**	**Comments**
HEADER	GROUP	
PTI	OCTETSTRING[1]	Packet Type Identifier
CAUSE_DIAG	GROUP	
ADDRESS	GROUP	
FACILITY	GROUP	
UDATA	OCTETSTRING[0..128]	Clear User Data field: extended format only; maximum length of 128 octets
#		
#		

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PDU Type Declaration		
PDU Name:CLEARC (Clear Confirmation)	PCO Type:	Comments:
PDU Field Information		
Field Name	**Type**	**Comments**
HEADER	GROUP	
PTI	OCTETSTRING[1]	Packet Type Identifier
ADDRESS	GROUP	
FACILITY	GROUP	
EXTRA	OCTETSTRING	used to create long CLEARC packets

PDU Type Declaration		
PDU Name:DATA (Data Request/ Data Indication)	PCO Type:	Comments:
PDU Field Information		
Field Name	**Type**	**Comments**
HEADER	GROUP	
PTI	BITSTRING[1]	Packet Type Identifier (basic format is one octet, extended format is two octets)
#		
#		
PS	INTEGER	Send Sequence Number; modulo may be 8 or 128
#		
M	BITSTRING[1]	More Data bit
PR	INTEGER	Receive Sequence Number; modulo may be 8 or 128
#		
UDATA	OCTETSTRING[0..MAX_PKT_SZ]	Packet size based on PIXIT 1.10 and 1.11
#		
EXTRA	OCTETSTRING	To create long Data packets

PDU Type Declaration		
PDU Name:DIAG (Diagnostic)	PCO Type:	Comments:
PDU Field Information		
Field Name	**Type**	**Comments**
HEADER	GROUP	
PTI	OCTETSTRING[1]	Packet Type Identifier
DIAG	OCTETSTRING[1]	Diagnostic Code
EXPLN	OCTETSTRING[2..3]	Explanation; length may be either 2 or 3, depending on the reason for the packet. See ISO 8208, section 12.7; CCITT X.25 1984, section 5.6.2
#		
#		
#		
#		
EXTRA	OCTETSTRING	To create a long DIAG packet

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PDU Type Declaration		
PDU Name:ERROR	PCO Type:	Comments:
PDU Field Information		
Field Name	Type	Comments
HEADER PTI OCT4 #	GROUP OCTETSTRING[1] OCTETSTRING[1]	 Packet Type Identifier fourth octet, may or may not be used

PDU Type Declaration		
PDU Name:INT (Interrupt Request/ Interrupt Indication)	PCO Type:	Comments:
PDU Field Information		
Field Name	Type	Comments
HEADER PTI UDATA EXTRA	GROUP OCTETSTRING[1] OCTETSTRING[1..32] OCTETSTRING	 Packet Type Identifier To create long Interrupt packets

PDU Type Declaration		
PDU Name:INTC (Interrupt Confirmation)	PCO Type:	Comments:
PDU Field Information		
Field Name	Type	Comments
HEADER PTI EXTRA #	GROUP OCTETSTRING[1] OCTETSTRING	 Packet Type Identifier To create long Interrupt Confirmation packets

PDU Type Declaration		
PDU Name:REG (Registration Request)	PCO Type:	Comments:
PDU Field Information		
Field Name	Type	Comments
HEADER PTI ADDRESS R_LEN # R_CODE # R_PARMS #	GROUP OCTETSTRING[1] GROUP OCTETSTRING[1] OCTETSTRING[1] OCTETSTRING[1..109]	 Packet Type Identifier Registration Field Length in octets Registration Code, see ISO 8208, section 16 Registration parameters, see ISO 8208 section 16

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PDU Type Declaration		
PDU Name:REGC (Registration Confirmation)	PCO Type:	Comments:
PDU Field Information		
Field Name	**Type**	**Comments**
HEADER	GROUP	
PTI	OCTETSTRING[1]	Packet Type Identifier
CAUSE_DIAG	GROUP	
ADDRESS	GROUP	
R_LEN	OCTETSTRING[1]	Length of the Registration Field
R_FAC	OCTETSTRING[1..109]	see ISO 8208 section 16

PDU Type Declaration		
PDU Name:REJ (Reject)	PCO Type:	Comments:
PDU Field Information		
Field Name	**Type**	**Comments**
HEADER	GROUP	
PTI	BITSTRING	Packet Type Identifier
PR	INTEGER[3..7]	Receive Sequence Number, modulo may be 8 or 128. See ISO 8208, section 7.1; X.25 1984, section 4.4.1
#		
#		
#		
EXTRA	OCTETSTRING	To create long Reject packets

PDU Type Declaration		
PDU Name:RESET (Reset Request/ Reset Indication)	PCO Type:	Comments:
PDU Field Information		
Field Name	**Type**	**Comments**
HEADER	GROUP	
PTI	OCTETSTRING[1]	Packet Type Identifier
CAUSE_DIAG	GROUP	
EXTRA	OCTETSTRING	To create long Resets

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PDU Type Declaration		
PDU Name:RESETC (Reset Confirmation)	PCO Type:	Comments:
PDU Field Information		
Field Name	**Type**	**Comments**
HEADER	GROUP	
PTI	OCTETSTRING[1]	Packet Type Identifier
EXTRA	OCTETSTRING	To create a long Reset Confirmation
#		

PDU Type Declaration		
PDU Name:RESTART (Restart Request/ Restart Indication)	PCO Type:	Comments:
PDU Field Information		
Field Name	**Type**	**Comments**
HEADER	GROUP	
PTI	OCTETSTRING[1]	Packet Type Identifier
CAUSE_DIAG	GROUP	
EXTRA	OCTETSTRING	To create long Restarts

PDU Type Declaration		
PDU Name:RESTART_1 (Restart Request/ Restart Indication)	PCO Type:	Comments:This PDU is used in test cases P1_210, P2_214 and P3_214
PDU Field Information		
Field Name	**Type**	**Comments**
GFI	BITSTRING[4]	General Format Identifier
LCGN	BITSTRING[4]	Logical Channel Group Number
LCN	BITSTRING[8]	Logical Channel Number
PTI	OCTETSTRING[1]	Packet Type Identifier
CAUSE_DIAG	GROUP	

PDU Type Declaration		
PDU Name:RESTARTC (Restart Confirmation)	PCO Type:	Comments:
PDU Field Information		
Field Name	**Type**	**Comments**
HEADER	GROUP	
PTI	OCTETSTRING[1]	Packet Type Identifier
EXTRA	OCTETSTRING	To create long Restart Confirms

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PDU Type Declaration		
PDU Name:RNR (Receive Not Ready)	PCO Type:	Comments:
PDU Field Information		
Field Name	**Type**	**Comments**
HEADER	GROUP	
PTI	BITSTRING	Packet Type Identifier
PR	INTEGER	Receive Sequence Number, modulo may be 8 or 128. See ISO 8208 section 7.1; X.25 1984 section 4.4.1
#		
#		
#		
EXTRA	OCTETSTRING	To create long RNR packets

PDU Type Declaration		
PDU Name:RR (Receive Ready)	PCO Type:	Comments:
PDU Field Information		
Field Name	**Type**	**Comments**
HEADER	GROUP	
PTI	BITSTRING[5..8]	Packet Type Identifier
PR	INTEGER[3..7]	Receive Sequence Number: Modulo may be 8 or 128. See ISO 8208, section 7.1; X.25 1984 section 4.4.1
#		
#		
#		
EXTRA	OCTETSTRING	To create long RR Packets

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PDU Field Group Type Declaration		
Field Group Name:ADDRESS		Comments:
PDU Field Information		
Field Name	Type	Comments
CALLED_L	HEXSTRING[0..1]	Length of Called Address
CALLING_L	HEXSTRING[0..1]	Length of Calling Address
CALLED	HEXSTRING[0..15]	BCD Called Address
CALLING	HEXSTRING[0..15]	BCD Calling Address

PDU Field Group Type Declaration		
Field Group Name:CAUSE_DIAG		Comments:
PDU Field Information		
Field Name	Type	Comments
CAUSE	OCTETSTRING[1]	Cause code
DIAG	OCTETSTRING[0..1]	Diagnostic code

PDU Field Group Type Declaration		
Field Group Name:FACILITY		Comments:
PDU Field Information		
Field Name	Type	Comments
F_LEN	OCTETSTRING[0..1]	Facility Length
FACILITIES	OCTETSTRING	User supplied facility code
#		and parameters
F_CODE	OCTETSTRING[0..1]	Facility code
F_PARM1	OCTETSTRING	First facility parameter
F_PARMS	OCTETSTRING	Remaining facility parameters

PDU Field Group Type Declaration		
Field Group Name:HEADER		Comments:
PDU Field Information		
Field Name	Type	Comments
LCGN	BITSTRING[4]	Logical Channel Group Number
FORMAT	BITSTRING[2]	Packet format basic/extended
DBIT	BITSTRING[1]	Delivery Confirmation bit
QBIT	BITSTRING[1]	Qualifier Bit
LCN	BITSTRING[8]	Logical Channel Number

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PDU Constraints Declarations						
PDU Name:ACCEPT						
Constraint Name	Field Name					Comments
	HEADER	PTI	ADDRESS	FACILITY	UDATA	
ANSR_0(LG,LN :BS)	HDR_G(LG,LN)	'0F'H	ADR_ZERO	FAC_ACCTX	CALL_CON_UD	TST to IUT Basic Format
ANSR_0CUG(LG,LN :BS)	HDR_G(LG,LN)	'0F'H	ADR_CC	FAC_BCUG	-	TST to IUT Basic CUG
ANSR_0D(LG,LN :BS)	HDR_QD(0,1,LG,LN)	'0F'H	ADR_ZERO	FAC_ACCTX	CALL_CON_UD	TST to IUT with D-bit set
ANSR_0THR(LG,LN :BS)#	HDR_G(LG,LN)	'0F'H	ADR_CC	FAC_THRUPT	-	TST to IUT Throughput class negotiation
ANSR_0U1(LG,LN :BS)	HDR_G(LG,LN)	'0F'H	ADR_CC	-	UD1	TST to IUT 1 octet in UDF
ANSR_0U129(LG,LN :#BS)	HDR_G(LG,LN)	'0F'H	ADR_CC	-	UD129	TST to IUT 129 octets in UDF
ANSR_0UD(LG,LN :BS)	HDR_G(LG,LN)	'0F'H	ADR_ZERO	-	CALL_CON_UD	TST to IUT
ANSR_1(LG,LN :BS)	HDR_G(LG,LN)	'0F'H	ADR_CA	FAC_ACCRX	CALL_ACC_UD	IUT to TST
ANSR_1A(LG,LN :BS)	HDR_G(LG,LN)	'0F'H	ADR_CA	-	-	
ANSR_1AEF(LG,LN :BS)	HDR_G(LG,LN)	'0F'H	ADR_ANY_A	FAC_AE_A	-	
ANSR_1D(LG,LN :BS)	HDR_ANY_D(LG,LN)	'0F'H	ADR_CA	FAC_ACCRX	CALL_ACC_UD	IUT to TST any D-bit setting
ANSR_1DTHR(LG,LN :#BS)	HDR_G(LG,LN)	'0F'H	ADR_ANY_A	FAC_DEF_THR	-	
ANSR_1M(LG,LN :BS)#	HDR_G(LG,LN)	'0F'H	ADR_M_A	-	-	IUT to TST maximum address size
ANSR_1PAC(LG,LN :BS)	HDR_G(LG,LN)	'0F'H	ADR_ANY_A	FAC_PACKET	-	IUT to TST Packet size
ANSR_1THR(LG,LN :BS)#	HDR_G(LG,LN)	'0F'H	ADR_ANY	FAC_THRUPT	-	IUT to TST Throughput class negotiation
ANSR_1WIN(LG,LN :BS)	HDR_G(LG,LN)	'0F'H	ADR_ANY_A	FAC_WINDOW	-	IUT to TST Window size
ANSR_X(LG,LN :BS)	HDR_X(LG,LN)	'0F'H	ADR_CA	-	-	extended sequence number
ANSR_ZERO	HDR_ZERO	'0F'H	ADR_ZERO	-	-	

PDU Constraints Declarations						
PDU Name:CALL						
Constraint Name	Field Name					Comments
	HEADER	PTI	ADDRESS	FACILITY	UDATA	
CALL_0(LG,LN :BS)	HDR_G(LG,LN)	'0B'H	ADR_IC	FAC_CALLTX	CALL_IND_UD	TST to IUT Call Request
CALL_0CUG(LG,LN :BS)	HDR_G(LG,LN)	'0B'H	ADR_IC	FAC_BCUG	-	TST to IUT Basic CUG
CALL_0D(LG,LN :BS)	HDR_QD(0,1,LG,LN)	'0B'H	ADR_IC	FAC_CALLTX	CALL_IND_UD	TST to IUT D-bit set
CALL_0DTHR(LG,LN :#BS)	HDR_G(LG,LN)	'0B'H	ADR_IC	FAC_DEF_THR	-	TST to IUT Default Throughput
CALL_0FST(LG,LN :BS)#	HDR_G(LG,LN)	'0B'H	ADR_IC	FAC_FST_SEL	CALL_IND_UD	TST to IUT fast select no restriction
CALL_0FSTR(LG,LN :#BS)	HDR_G(LG,LN)	'0B'H	ADR_IC	FAC_FST_SELR	CALL_IND_UD	TST to IUT fast select with restriction
CALL_1	HDR_G_ANY	'0B'H	ADR_CR	FAC_CALLRX	CALL_REQ_UD	IUT to TST Call Request
CALL_1CUG	HDR_G_ANY	'0B'H	ADR_CR	FAC_BCUG	-	IUT to TST CUG Selection
CALL_1DTHR#	HDR_G_ANY	'0B'H	ADR_CR	FAC_DEF_THR	-	IUT to TST Default Throughput
CALL_1FST#	HDR_G_ANY	'0B'H	ADR_CR	FAC_FST_SEL	CALL_REQ_UD	IUT to TST fast select no restriction
CALL_1FSTR#	HDR_G_ANY	'0B'H	ADR_CR	FAC_FST_SELR	CALL_REQ_UD	IUT to TST fast select with restriction
CALL_AEF(LG,LN :BS)#	HDR_G(LG,LN)	'0B'H	ADR_EX	FAC_AE	-	TST to IUT Address Extension
CALL_BICUG(LG,LN :#BS)	HDR_G(LG,LN)	'0B'H	ADR_IC	FAC_BICUG	-	TST to IUT Bilateral CUG
CALL_DINV(LG,LN :BS)#	HDR_G(LG,LN)	'0B'H	ADR_IVCD	FAC_CALLTX	CALL_IND_UD	TST to IUT Called Address Invalid
CALL_DUR(LG,LN :BS)	HDR_G(LG,LN)	'0B'H	ADR_IC	FAC_DURATN	-	TST to IUT Call Duration
CALL_DWIN(LG,LN :BS)#	HDR_G(LG,LN)	'0B'H	ADR_IC	FAC_DEF_WIN	-	TST to IUT Default Window Size
CALL_ECUG(LG,LN :BS)	HDR_G(LG,LN)	'0B'H	ADR_IC	FAC_ECUG	-	TST to IUT Extended CUG
CALL_F0(LG,LN :BS)#	HDR_G(LG,LN)	'0B'H	ADR_IC	FAC_EMPTY	-	TST to IUT missing facilities
CALL_F110(LG,LN :BS)	HDR_G(LG,LN)	'0B'H	ADR_IC	FAC_LNG_110	-	TST to IUT long facilities

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CALL_FCB(LG,LN :BS)	HDR_G(LG,LN)	'0B'H	ADR_IC	FAC_CODE_BAD	-	TST to IUT bad facility code
CALL_FNA(LG,LN :BS)	HDR_G(LG,LN)	'0B'H	ADR_IC	FAC_NOT_ALL	-	TST to IUT facility not allowed
#						
CALL_FSH(LG,LN :BS)	HDR_G(LG,LN)	'0B'H	ADR_IC	FAC_SHORT	-	TST to IUT short facilities
#						
CALL_GINV(LG,LN :BS)	HDR_G(LG,LN)	'0B'H	ADR_IVCG	FAC_CALLTX	CALL_IND_UD	TST to IUT Calling Address
CALL_M(LG,LN :BS)	HDR_G(LG,LN)	'0B'H	ADR_M	FAC_CALLTX	CALL_IND_UD	TST to IUT Maximum address size
#						
CALL_NBCD(LG,LN :BS)	HDR_G(LG,LN)	'0B'H	ADR_NBCD	FAC_CALLTX	CALL_IND_UD	TST to IUT Non-BCD Address
CALL_NUI(LG,LN :BS)	HDR_G(LG,LN)	'0B'H	ADR_IC	FAC_NUI	-	TST to IUT Network User Identification
#						
CALL_PSZM(LG,LN :BS)	HDR_G(LG,LN)	'0B'H	ADR_IC	FAC_MPKT_SIZ	-	TST to IUT Maximum PKT Size
CALL_PSZD(LG,LN :BS)	HDR_G(LG,LN)	'0B'H	ADR_IC	FAC_DPKT_SIZ	-	TST to IUT Default PKT Size (128)
#						
CALL_RC(LG,LN :BS)	HDR_G(LG,LN)	'0B'H	ADR_IC	FAC_FST_SELA	-	TST to IUT fast select reverse charging
#						
CALL_SHT(LG,LN :BS)	HDR_G(LG,LN)	'0B'H	-	-		TST to IUT short call PKT
CALL_THR(LG,LN :BS)	HDR_G(LG,LN)	'0B'H	ADR_IC	FAC_THRUPT	-	TST to IUT Throughput class negotiation
#						
CALL_TRD(LG,LN :BS)	HDR_G(LG,LN)	'0B'H	ADR_IC	FAC_TRDELAY	-	TST to IUT Transit Delay
CALL_U17(LG,LN :BS)	HDR_G(LG,LN)	'0B'H	ADR_IC	FAC_ZERO	UD17	TST to IUT 17 octets in UDF
CALL_U129(LG,LN :BS)	HDR_G(LG,LN)	'0B'H	ADR_IC	FAC_FST_SEL	UD129	TST to IUT 129 octets in UDF
CALL_X(LG,LN :BS)	HDR_X(LG,LN)	'0B'H	ADR_IC	FAC_CALLRX	CALL_IND_UD	TST to IUT Extended Sequence Number
#						
CALL_ZERO	HDR_ZERO	'0B'H	ADR_IC	-	-	

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PDU Constraints Declarations							
PDU Name:CLEAR							
Constraint Name	Field Name						Comments
	HEADER	PTI	CAUSE_DIAG	ADDRESS	FACILITY	UDATA	
CLR_0(LG,LN :BS)	HDR_G(LG,LN)	'13'H	RZN_00	-	FAC_CLRTX	CLR_REQ_UD	TST to IUT basic
CLR_1(LG,LN :BS)	HDR_G(LG,LN)	'13'H	RZN_ANY	ADR_ANY	*	*	IUT to TST
CLR_C01(LG,LN :BS)	HDR_G(LG,LN)	'13'H	CAUSE01	-	-	-	
CLR_C05(LG,LN :BS)	HDR_G(LG,LN)	'13'H	CAUSE05	-	-	-	
CLR_C11(LG,LN :BS)	HDR_G(LG,LN)	'13'H	CAUSE11	-	-	-	
CLR_C13(LG,LN :BS)	HDR_G(LG,LN)	'13'H	CAUSE13	-	-	-	
CLR_C21(LG,LN :BS)	HDR_G(LG,LN)	'13'H	CAUSE21	-	-	-	
CLR_CHRG(LG,LN :BS) #	HDR_G(LG,LN)	'13'H	RZN_00	ADR_ZERO	FAC_DURATN	-	TST to IUT charging information
CLR_DWIN(LG,LN :BS) #	HDR_G(LG,LN)	'13'H	RZN_00	ADR_ZERO	FAC_DEF_WIN	-	TST to IUT default window size
CLR_FCB(LG,LN :BS) #	HDR_G(LG,LN)	'13'H	RZN_00	ADR_ZERO	FAC_CODE_BAD	-	TST to IUT facility code bad
CLR_LNG(LG,LN :BS)	HDR_G(LG,LN)	'13'H	RZN_00	ADR_ZERO	FAC_ZERO	UD129	TST to IUT long clear
CLR_SHT(LG,LN :BS)	HDR_G(LG,LN)	'13'H	RZN_NIL	ADR_ZERO	-	-	TST to IUT short clear
CLR_U0(LG,LN :BS)	HDR_G(LG,LN)	'13'H	RZN_00	ADR_ZERO	FAC_CLRTX	CLR_REQ_UD	TST to IUT user data
CLR_ZERO	HDR_ZERO	'13'H	RZN_00	-	-	-	

PDU Constraints Declarations						
PDU Name:CLEARC						
Constraint Name	Field Name					Comments
	HEADER	PTI	ADDRESS	FACILITY	EXTRA	
CLRC_0(LG,LN :BS)	HDR_G(LG,LN)	'17'H	ADR_ZERO	FAC_CLCTX	-	TST to IUT
CLRC_1(LG,LN :BS)	HDR_G(LG,LN)	'17'H	ADR_ANY	-	-	IUT to TST
CLRC_R(LG,LN :BS)	HDR_G(LG,LN)	'17'H	ADR_ZERO	FAC_FST_SELA	-	TST to IUT Reverse Charging
CLRC_U1(LG,LN :BS)	HDR_G(LG,LN)	'17'H	-	-	UD1	PIXIT 2.17
CLRC_U110(LG,LN :BS)	HDR_G(LG,LN)	'17'H	ADR_ZERO	-	UD110	PIXIT 2.17
CLRC_ZERO	HDR_ZERO	'17'H	ADR_ZERO	-	-	

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PDU Constraints Declarations								
PDU Name:DATA								
Constraint Name	Field Name							Comments
	HEADER	PTI	PS	M	PR	UDATA	EXTRA	
D_0(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UD_0	-	PIXIT 2.13
D_1(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UD_1	-	PIXIT 2.13
D_2(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UD_2	-	PIXIT 2.13
D_3(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UD_3	-	PIXIT 2.13
D_4(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UD_4	-	PIXIT 2.13
D_5(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UD_5	-	PIXIT 2.13
D_6(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UD_6	-	PIXIT 2.13
D_7(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UD_7	-	PIXIT 2.13
D_8(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UD_8	-	PIXIT 2.13
D_DBIT(LG,LN :BS)	HDR_QD(0,1,LG,LN)	'????????'B	0	0	0	UD_U	-	PIXIT 2.13
D_EMPTY(LG,LN :BS; #PS,PR :IN)	HDR_G(LG,LN)	'????????'B	PS	0	PR	-	-	TST to IUT no data
D_L(LG,LN :BS)	HDR_G(LG,LN)	'????????'B	0	0	0	UD_U	UD1	PIXIT 2.13, 2.19
D_M4(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	0	M	0	UDMP	-	PIXIT 2.18
D_ML(LG,LN :BS)	HDR_G(LG,LN)	'????????'B	0	1	0	UD_U	UD1	PIXIT 2.13, 2.19
D_NSSZ(LG,LN :BS)	HDR_G(LG,LN)	'????????'B	0	0	0	UDNS	-	PIXIT 2.19
D_ONE(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	0	0	0	UD_U	-	PIXIT 2.13
D_PR7(LG,LN :BS)	HDR_G(LG,LN)	'????????'B	0	0	7	UD_U	-	PIXIT 2.13
D_PS7(LG,LN :BS)	HDR_G(LG,LN)	'????????'B	7	0	0	UD_U	-	PIXIT 2.13
D_U(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UD_U	-	PIXIT 2.13
DAT_1(LG,LN :BS)	HDR_G(LG,LN)	'????????'B	?	?	?	?	-	IUT to TST
DAT_1A(LG,LN :BS; PS #:IN)	HDR_G(LG,LN)	'????????'B	PS	?	?	?	-	IUT to TST
DAT_ZERO	HDR_ZERO	'????????'B	0	0	0	UD_U	-	PIXIT 2.13
DE0(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UDE0	-	PIXIT 2.16
DE1(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UDE1	-	PIXIT 2.16
DE2(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UDE2	-	PIXIT 2.16

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DE3(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UDE3	-	PIXIT 2.16
DE4(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UDE4	-	PIXIT 2.16
DE5(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UDE5	-	PIXIT 2.16
DE6(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UDE6	-	PIXIT 2.16
DE7(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UDE7	-	PIXIT 2.16
DE8(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UDE8	-	PIXIT 2.16
DM_0(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UDM0	-	PIXIT 2.17
DM_1(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UDM1	-	PIXIT 2.17
DM_2(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UDM2	-	PIXIT 2.17
DM_3(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UDM3	-	PIXIT 2.17
DM_4(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UDM4	-	PIXIT 2.17
DM_5(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UDM5	-	PIXIT 2.17
DM_6(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UDM6	-	PIXIT 2.17
DM_7(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UDM7	-	PIXIT 2.17
DM_8(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UDM8	-	PIXIT 2.17
DQ_0(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UDQ0	-	PIXIT 2.14
DQ_1(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UDQ1	-	PIXIT 2.14
DQ_2(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UDQ2	-	PIXIT 2.14
DQ_3(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UDQ3	-	PIXIT 2.14
DQ_4(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UDQ4	-	PIXIT 2.14
DQ_5(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UDQ5	-	PIXIT 2.14
DQ_6(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UDQ6	-	PIXIT 2.14
DQ_7(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UDQ7	-	PIXIT 2.14
DQ_8(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UDQ8	-	PIXIT 2.14
DQ_0A(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UDQ0A	-	PIXIT 2.15
DQ_1A(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UDQ1A	-	PIXIT 2.15
DQ_2A(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UDQ2A	-	PIXIT 2.15
DQ_3A(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UDQ3A	-	PIXIT 2.15
DQ_4A(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UDQ4A	-	PIXIT 2.15
DQ_5A(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UDQ5A	-	PIXIT 2.15
DQ_6A(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UDQ6A	-	PIXIT 2.15
DQ_7A(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UDQ7A	-	PIXIT 2.15
DQ_8A(LG,LN :BS)	HDR_QD(Q,D,LG,LN)	'????????'B	?	M	?	UDQ8A	-	PIXIT 2.15

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PDU Constraints Declarations						
PDU Name:DIAG						
Constraint Name	Field Name					Comments
	HEADER	PTI	DIAG	EXPLN	EXTRA	
DGN_0(LG,LN :BS)	HDR_G(LG,LN)	'F1'H	0	-	-	TST to IUT
DGN_1(LG,LN :BS)	HDR_G(LG,LN)	'F1'H	0	-	-	IUT to TST
DGN_L(LG,LN :BS)	HDR_G(LG,LN)	'F1'H	0	UD3	UD1	
DGN_SHT	HDR_ZERO	'F1'H	=	=	-	
DGN_ZERO	HDR_ZERO	'F1'H	0	=	-	

PDU Constraints Declarations				
PDU Name:ERROR				
Constraint Name	Field Name			Comments
	HEADER	PTI	OCT4	
ERR_A	HDR_SHRT(0,0,0)	=	-	only GFI and LCGN present
ERR_B(LG,LN :BS)	HDR_G(LG,LN)	'0D'H	=	undefined PTI on LCI (not zero)
ERR_SHT(LG,LN :BS)	HDR_G(LG,LN)	=	=	short packet, no PTI
ERR_ZERO	HDR_ZERO	'0D'H	=	undefined PTI LCI 0

PDU Constraints Declarations					
PDU Name : INT					
Constraint Name	Field Name				Comments
	HEADER	PTI	UDATA	EXTRA	
INT_0(LG,LN :BS)	HDR_G(LG,LN)	'23'H	UD_I_TST	-	TST to IUT PIXIT 2.20b
INT_1(LG,LN :BS)	HDR_G(LG,LN)	'23'H	UD_I_IUT	-	IUT to TST PIXIT 2.20a
INT_A1(LG,LN :BS)	HDR_G(LG,LN)	'23'H	?	-	1 octet length
INT_A2(LG,LN :BS)	HDR_G(LG,LN)	'23'H	?	-	2 octets length
INT_A3(LG,LN :BS)	HDR_G(LG,LN)	'23'H	?	-	3 octets length
INT_A4(LG,LN :BS)	HDR_G(LG,LN)	'23'H	?	-	4 octets length
INT_A5(LG,LN :BS)	HDR_G(LG,LN)	'23'H	?	-	5 octets length
INT_A6(LG,LN :BS)	HDR_G(LG,LN)	'23'H	?	-	6 octets length
INT_A7(LG,LN :BS)	HDR_G(LG,LN)	'23'H	?	-	7 octets length
INT_A8(LG,LN :BS)	HDR_G(LG,LN)	'23'H	?	-	8 octets length
INT_A9(LG,LN :BS)	HDR_G(LG,LN)	'23'H	?	-	9 octets length
INT_A10(LG,LN :BS)	HDR_G(LG,LN)	'23'H	?	-	10 octets length
INT_A11(LG,LN :BS)	HDR_G(LG,LN)	'23'H	?	-	11 octets length
INT_A12(LG,LN :BS)	HDR_G(LG,LN)	'23'H	?	-	12 octets length
INT_A13(LG,LN :BS)	HDR_G(LG,LN)	'23'H	?	-	13 octets length
INT_A14(LG,LN :BS)	HDR_G(LG,LN)	'23'H	?	-	14 octets length
INT_A15(LG,LN :BS)	HDR_G(LG,LN)	'23'H	?	-	15 octets length
INT_A16(LG,LN :BS)	HDR_G(LG,LN)	'23'H	?	-	16 octets length
INT_A17(LG,LN :BS)	HDR_G(LG,LN)	'23'H	?	-	17 octets length
INT_A18(LG,LN :BS)	HDR_G(LG,LN)	'23'H	?	-	18 octets length
INT_A19(LG,LN :BS)	HDR_G(LG,LN)	'23'H	?	-	19 octets length
INT_A20(LG,LN :BS)	HDR_G(LG,LN)	'23'H	?	-	20 octets length
INT_A21(LG,LN :BS)	HDR_G(LG,LN)	'23'H	?	-	21 octets length
INT_A22(LG,LN :BS)	HDR_G(LG,LN)	'23'H	?	-	22 octets length
INT_A23(LG,LN :BS)	HDR_G(LG,LN)	'23'H	?	-	23 octets length
INT_A24(LG,LN :BS)	HDR_G(LG,LN)	'23'H	?	-	24 octets length
INT_A25(LG,LN :BS)	HDR_G(LG,LN)	'23'H	?	-	25 octets length

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INT_A26(LG,LN :BS)	HDR_G(LG,LN)	'23'H	?	-	26 octets length
INT_A27(LG,LN :BS)	HDR_G(LG,LN)	'23'H	?	-	27 octets length
INT_A28(LG,LN :BS)	HDR_G(LG,LN)	'23'H	?	-	28 octets length
INT_A29(LG,LN :BS)	HDR_G(LG,LN)	'23'H	?	-	29 octets length
INT_A30(LG,LN :BS)	HDR_G(LG,LN)	'23'H	?	-	30 octets length
INT_A31(LG,LN :BS)	HDR_G(LG,LN)	'23'H	?	-	31 octets length
INT_A32(LG,LN :BS)	HDR_G(LG,LN)	'23'H	?	-	32 octets length
INT_L1(LG,LN :BS)	HDR_G(LG,LN)	'23'H	UD1	UD1	Long Interrupt CCITT 1980
INT_L32(LG,LN :BS)	HDR_G(LG,LN)	'23'H	UD32	UD1	Long Interrupt ISO/CCITT 1984
INT_SHT(LG,LN :BS)	HDR_G(LG,LN)	'23'H	-	-	Short Interrupt
INT_ZERO	HDR_ZERO	'23'H	0	-	

PDU Constraints Declarations				
PDU Name : INTC				
Constraint Name	Field Name			Comments
	HEADER	PTI	EXTRA	
INTC_0(LG,LN :BS)	HDR_G(LG,LN)	'27'H	-	TST to IUT
INTC_1(LG,LN :BS)	HDR_G(LG,LN)	'27'H	-	IUT to TST
INTC_L(LG,LN :BS)	HDR_G(LG,LN)	'27'H	UD1	
INTC_ZERO	HDR_ZERO	'27'H	-	

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PDU Constraints Declarations							
PDU Name:REG							
Constraint Name	Field Name						Comments
	HEADER	PTI	ADDRESS	R_LEN	R_CODE	R_PARMS	
REG_0	HDR_ZERO	'F3'H	ADR_ZERO	0	-	-	TST to IUT
REG_1	HDR_ZERO	'F3'H	ADR_ZERO	0	-	-	IUT to TST
REG_1CH	HDR_ZERO	'F3'H	ADR_ZERO	3	'45'H	'4000'H	charging information
REG_1D	HDR_ZERO	'F3'H	ADR_ZERO	2	'05'H	'04'H	delivery confirmation
REG_1DEF	HDR_ZERO	'F3'H	ADR_ZERO	2	'02'H	DEF_THRUPT	default throughput
REG_1F	HDR_ZERO	'F3'H	ADR_ZERO	3	'45'H	'1000'H	flow control negotiation
REG_1FST	HDR_ZERO	'F3'H	ADR_ZERO	3	'45'H	'0400'H	fast select
REG_1ICB	HDR_ZERO	'F3'H	ADR_ZERO	3	'45'H	'0100'H	incoming calls barred
REG_1OCB	HDR_ZERO	'F3'H	ADR_ZERO	3	'45'H	'0200'H	outgoing calls barred
REG_1PSZ	HDR_ZERO	'F3'H	ADR_ZERO	3	'42'H	NS_DEF_PKT_SZ	non-standard packet size
REG_1R	HDR_ZERO	'F3'H	ADR_ZERO	2	'05'H	'02'H	pkt retransmission
REG_1RC	HDR_ZERO	'F3'H	ADR_ZERO	3	'45'H	'0800'H	reverse charging
REG_1TH	HDR_ZERO	'F3'H	ADR_ZERO	3	'45'H	'2000'H	throughput class negotiation
#							
REG_1WSZ	HDR_ZERO	'F3'H	ADR_ZERO	3	'43'H	NS_DEF_WIN_SZ	non-standard window size
REG_1X	HDR_ZERO	'F3'H	ADR_ZERO	2	'05'H	'01'H	extended sequence number

PDU Constraints Declarations							
PDU Name:REGC							
Constraint Name	Field Name						Comments
	HEADER	PTI	CAUSE_DIAG	ADDRESS	R_LEN	R_FAC	
REGC_0	HDR_ZERO	'F7'H	RZN_00	ADR_ZERO	-	-	TST to IUT
REGC_1	HDR_ZERO	'F7'H	RZN_ANY	ADR_ZERO	-	-	IUT to TST
REGC_0CH	HDR_ZERO	'F7'H	RZN_00	ADR_ZERO	3	'461000'H	Charging Information
REGC_0D	HDR_ZERO	'F7'H	RZN_00	ADR_ZERO	3	'460400'H	D-bit modification
REGC_0DEF #	HDR_ZERO	'F7'H	RZN_00	ADR_ZERO	3	'460001'H	Default Throughput Class Assignment
REGC_0F #	HDR_ZERO	'F7'H	RZN_00	ADR_ZERO	3	'451000'H	Flow Control Parameter Negotiation
REGC_0FST	HDR_ZERO	'F7'H	RZN_00	ADR_ZERO	3	'450400'H	Fast Select Accept
REGC_0ICB	HDR_ZERO	'F7'H	RZN_00	ADR_ZERO	3	'450100'H	Incoming Calls Barred
REGC_0OCB	HDR_ZERO	'F7'H	RZN_00	ADR_ZERO	3	'450200'H	Outgoing Calls Barred
REGC_0PSZ	HDR_ZERO	'F7'H	RZN_00	ADR_ZERO	3	'460004'H	Non-std Default Pkt Size
REGC_0R	HDR_ZERO	'F7'H	RZN_00	ADR_ZERO	3	'460200'H	Pkt Retransmission
REGC_0RC	HDR_ZERO	'F7'H	RZN_00	ADR_ZERO	3	'464000'H	Reverse Charging
REGC_0TH #	HDR_ZERO	'F7'H	RZN_00	ADR_ZERO	3	'452000'H	Throughput Class Negotiation Facility
REGC_0WSZ #	HDR_ZERO	'F7'H	RZN_00	ADR_ZERO	3	'460002'H	Non-standard Default Window Size
REGC_0X	HDR_ZERO	'F7'H	RZN_00	ADR_ZERO	3	'460100'H	Extended Sequence Number

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PDU Constraints Declarations					
PDU Name:REJ					
Constraint Name	Field Name				Comments
	HEADER	PTI	PR	EXTRA	
REJ_0(LG,LN :BS)	HDR_G(LG,LN)	'00001001'B	0	-	TST to IUT with P(S)=0, P(R)=0
REJ_1(LG,LN :BS)	HDR_G(LG,LN)	'???01001'B	0	-	IUT to TST with P(S)=?, P(R) = 0
REJ_1A(LG,LN :BS)	HDR_G(LG,LN)	'???01001'B	?	-	IUT to TST with P(S)=?, P(R) = ?
REJ_ZERO	HDR_ZERO	'00001001'B	0	-	TST to IUT with P(S)=0, P(R)=0

PDU Constraints Declarations					
PDU Name:RESET					
Constraint Name	Field Name				Comments
	HEADER	PTI	CAUSE_DIAG	EXTRA	
RST_0(LG,LN :BS)	HDR_G(LG,LN)	'1B'H	RZN_00	-	TST to IUT
RST_1(LG,LN :BS)	HDR_G(LG,LN)	'1B'H	RZN_ANY	-	IUT to TST
RST_1D2(LG,LN :BS)	HDR_G(LG,LN)	'1B'H	RZN_02	-	IUT to TST with cause code 2
RST_L(LG,LN :BS)	HDR_G(LG,LN)	'1B'H	RZN_00	UD1	
RST_SHT(LG,LN :BS)	HDR_G(LG,LN)	'1B'H	-	-	
RST_ZERO	HDR_ZERO	'1B'H	RZN_00	-	

PDU Constraints Declarations				
PDU Name:RESETC				
Constraint Name	Field Name			Comments
	HEADER	PTI	EXTRA	
RSTC_0(LG,LN :BS)	HDR_G(LG,LN)	'1F'H	-	TST to IUT
RSTC_1(LG,LN :BS)	HDR_G(LG,LN)	'1F'H	-	IUT to TST
RSTC_L(LG,LN :BS)	HDR_G(LG,LN)	'1F'H	UD1	
RSTC_ZERO	HDR_ZERO	'1F'H	-	

PDU Constraints Declarations					
PDU Name:RESTART					
Constraint Name	Field Name				Comments
	HEADER	PTI	CAUSE_DIAG	EXTRA	
STRT_1DCEA	HDR_ZERO	'FB'H	RZN_DCEA	-	IUT to TST IUT acting as DCE
STRT_1DTEA	HDR_ZERO	'FB'H	RZN_ANY	-	IUT to TST with any cause and diagnostic code
STRT_DCE	HDR_ZERO	'FB'H	CAUSE07	-	network operational
STRT_DTE	HDR_ZERO	'FB'H	RZN_00	-	
STRT_LO	HDR_ZERO	'FB'H	RZN_00	UD1	
STRT_NIL	HDR_NIL	'FB'H	RZN_00	-	
STRT_NR	HDR_ZERO	'FB'H	RZN_NIL	-	
STRT_NZ(LG,LN :BS)	HDR_G(LG,LN)	'FB'H	RZN_00	-	TST to IUT non zero lci

PDU Constraints Declarations						
PDU Name:RESTART_1						
Constraint Name	Field Name					Comments
	GFI	LCGN	LCN	PTI	CAUSE_DIAG	
STRT_UDF	?	'0000'B	'00000000'B	'FB'H	RZN_00	user defined GFI

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PDU Constraints Declarations				
PDU Name:RESTARTC				
Constraint Name	Field Name			Comments
	HEADER	PTI	EXTRA	
STRTC	HDR_G(0,0)	'FF'H	-	TST to IUT
STRTC_1	HDR_G(0,0)	'FF'H	-	IUT to TST
STRTC_LO	HDR_G(0,0)	'FF'H	UD1	
STRTC_L(LG,LN :BS)	HDR_G(LG,LN)	'FF'H	UD1	
STRTC_NZ(LG,LN :BS)	HDR_G(LG,LN)	'FF'H	-	TST to IUT with none zero lci

PDU Constraints Declarations					
PDU Name:RNR					
Constraint Name	Field Name				Comments
	HEADER	PTI	PR	EXTRA	
RNR_0(LG,LN :BS)	HDR_G(LG,LN)	'???00101'B	0	-	TST to IUT
RNR_1(LG,LN :BS)	HDR_G(LG,LN)	'???00101'B	?	-	IUT to TST
RNR_2(LG,LN :BS)	HDR_G(LG,LN)	'???00101'B	2	-	
RNR_7(LG,LN :BS)	HDR_G(LG,LN)	'???00101'B	7	-	
RNR_A(LG,LN :BS)	HDR_G(LG,LN)	'???00101'B	?	-	
RNR_L(LG,LN :BS)	HDR_G(LG,LN)	'???00101'B	?	UD1	
RNR_ZERO	HDR_ZERO	'???00101'B	0	-	

PDU Constraints Declarations					
PDU Name:RR					
Constraint Name	Field Name				Comments
	HEADER	PTI	PR	EXTRA	
RR_0(LG,LN :BS)	HDR_G(LG,LN)	'????0001'B	0	-	TST to IUT
RR_1(LG,LN :BS)	HDR_G(LG,LN)	'????0001'B	?	-	IUT to TST P(R) = ?
RR_1A(LG,LN :BS)	HDR_G(LG,LN)	'????0001'B	1	-	IUT to TST P(R) = 1
RR_2(LG,LN :BS)	HDR_G(LG,LN)	'????0001'B	2	-	
RR_7(LG,LN :BS)	HDR_G(LG,LN)	'????0001'B	7	-	
RR_A(LG,LN :BS)	HDR_G(LG,LN)	'????0001'B	?	-	
RR_L(LG,LN :BS)	HDR_G(LG,LN)	'????0001'B	?	UD1	
RR_ZERO	HDR_ZERO	'????0001'B	0	-	

PDU Field Group Constraints Declarations					
Field Group Name:ADDRESS					
Constraint Name	Field Name				Comments
	CALLED_L	CALLING_L	CALLED	CALLING	
ADR_ANY	*	*	*	*	TST accepts any address
ADR_ANY_A	?	?	*	*	address length must be present but address may be null
#					
ADR_CA	IUT_ADDR6_L	TST_ADDR6_L	IUT_ADDR6	TST_ADDR6	IUT to TST Call Accept PIXIT 2.3b
ADR_CC	TST_ADDR2_L	IUT_ADDR2_L	TST_ADDR2	IUT_ADDR2	TST to IUT Call Connected PIXIT 2.2b
ADR_CR	TST_ADDR5_L	IUT_ADDR5_L	TST_ADDR5	IUT_ADDR5	IUT to TST Call Request PIXIT 2.3a
ADR_EX	IUT_AF_L	TST_AF_L	IUT_AF	TST_AF	TST to IUT
ADR_IC	IUT_ADDR1_L	TST_ADDR1_L	IUT_ADDR1	TST_ADDR1	TST to IUT Incoming Call PIXIT 2.2a
ADR_IVCD	IUT_ADDR_INVL	TST_ADDR1_L	IUT_ADDR_INV	TST_ADDR1	TST to IUT invalid Called address
ADR_IVCG	IUT_ADDR1_L	TST_ADDR_INVL	IUT_ADDR1	TST_ADDR_INV	TST to IUT invalid Calling address
ADR_M	IUT_ADDR_MAXL	0	IUT_ADDR_MAX	-	maximum address size PIXIT 2.4
ADR_M_A	?	0	?	-	maximum address size
ADR_NBCD	IUT_ADDR1_L	4	'FFFF'H	IUT_ADDR1	non-BCD address
ADR_ZERO	0	0	-	-	TST transmits no address

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PDU Field Group Constraints Declarations			
Field Group Name:CAUSE_DIAG			
Constraint Name	Field Name		Comments
	CAUSE	DIAG	
CAUSE01	'01'H	'00'H	
CAUSE05	'05'H	'00'H	
CAUSE07	'07'H	'00'H	
CAUSE11	'11'H	'00'H	
CAUSE13	'13'H	'00'H	
CAUSE19	'19'H	'00'H	
CAUSE21	'21'H	'00'H	
CAUSE23	'23'H	'00'H	
CAUSE33	'33'H	'00'H	
RZN_00	'00'H	'00'H	
RZN_01	'00'H	'01'H	
RZN_02	'00'H	'02'H	
RZN_10	'00'H	'10'H	
RZN_11	'00'H	'11'H	
RZN_12	'00'H	'12'H	
RZN_13	'00'H	'13'H	
RZN_14	'00'H	'14'H	
RZN_15	'00'H	'15'H	
RZN_16	'00'H	'16'H	
RZN_17	'00'H	'17'H	
RZN_18	'00'H	'18'H	
RZN_1A	'00'H	'1A'H	
RZN_20	'00'H	'20'H	
RZN_21	'00'H	'21'H	
RZN_23	'00'H	'23'H	
RZN_24	'00'H	'24'H	
RZN_26	'00'H	'26'H	

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RZN_27	'00'H	'27'H	
RZN_28	'00'H	'28'H	
RZN_29	'00'H	'29'H	
RZN_2B	'00'H	'2B'H	
RZN_31	'00'H	'31'H	
RZN_32	'00'H	'32'H	
RZN_34	'00'H	'34'H	
RZN_35	'00'H	'35'H	
RZN_38	'00'H	'38'H	
RZN_39	'00'H	'39'H	
RZN_42	'00'H	'42'H	
RZN_43	'00'H	'43'H	
RZN_44	'00'H	'44'H	
RZN_45	'00'H	'45'H	
RZN_51	'00'H	'51'H	
RZN_52	'00'H	'52'H	
RZN_ANY #	?	*	for CCITT X.25 IUTs the diagnostic field is optional when basic format packets are used
RZN_DTEA	?	*	
RZN_DCEA	'05'H	*	
RZN_NIL	-	-	

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PDU Field Group Constraints Declarations						
Field Group Name:FACILITY						
Constraint Name	Field Name					Comments
	F_LEN	FACILITIES	F_CODE	F_PARM1	F_PARMS	
FAC_ACCTX	CALL_CON_FL	CALL_CON_F	-	-	-	TST to IUT PIXIT 2.7c
FAC_ACCRX	CALL_ACC_FL	CALL_ACC_F	-	-	-	IUT to TST PIXIT 2.7d
FAC_AE	F_NONX25_L	F_NONX25	-	-	-	Address Extension PIXIT 2.5b
FAC_AE_A	F_AE_L	F_AE	-	-	-	IUT to TST PIXIT 2.5c
FAC_BCUG	'02'H	-	'03'H	BCUG_NUM	-	Basic CUG
FAC_BICUG	'03'H	-	'41'H	'00'H	BICUG_NUM	Bilateral CUG
FAC_CALLTX	CALL_IND_FL	CALL_IND_F	-	-	-	TST to IUT PIXIT 2.7a
FAC_CALLRX	CALL_REQ_FL	CALL_REQ_F	-	-	-	IUT to TST PIXIT 2.7b
FAC_CLRTX	CLR_IND_FL	CLR_IND_F	-	-	-	TST to IUT PIXIT 2.7e
FAC_CLCTX	CLC_RX_FL	CLC_RX_F	-	-	-	TST to IUT PIXIT 2.7g
FAC_CODE_BAD	'01'H	-	'FE'H	-	-	TST to IUT facility code bad
FAC_DEF_WIN	'03'H	-	'43'H	'02'H	'02'H	Default window size
FAC_DEF_THR	'02'H	-	'02'H	DEF_THRUPT	-	Default throughput class neg.
FAC_DPKT_SIZ	'03'H	-	'42'H	'07'H	'07'H	Default pkt size 128
FAC_DURATN	'06'H	-	'C1'H	'04'H	'00000001'H	Charging Info: Call Duration 1 sec
FAC_ECUG	'03'H	-	'47'H	'10'H	ECUG_NUM	Extended CUG
FAC_EMPTY	'3F'H	-	-	-	-	Missing facilities
FAC_FST_SEL	'02'H	-	'01'H	'80'H	-	Fast Select no restriction
FAC_FST_SELA	'02'H	-	'01'H	'01'H	-	Fast Select Reverse Charging
FAC_FST_SELR	'02'H	-	'01'H	'C0'H	-	Fast Select with restriction
FAC_LNG_110 #	'6E'H	FACS_110	-	-	-	110 octets of correct facilities PIXIT 2.6d
FAC_MPKT_SIZ	'03'H	-	'42'H	MAX_PKT_SZ	MAX_PKT_SZ	Flow control parm. neg., pkt size
FAC_NOT_ALL	'02'H	-	'EE'H	'00'H	-	TST to IUT facility not allowed
FAC_NUI	F_NUI_L	F_NUI	-	-	-	Network user id. PIXIT 2.12
FAC_PACKET	'03'H	-	'42'H	?	?	IUT to TST packet size
FAC_SHORT	'02'H	-	'01'H	-	-	Short facilities
FAC_THRUPT	'02'H	-	'02'H	THRUPT	-	Throughput class neg. PIXIT 2.10
FAC_TRDELAY	'03'H	-	'49'H	TRNS_DELAY_1	TRNS_DELAY_2	Transit Delay PIXIT 2.11
FAC_WINDOW	'03'H	-	'43'H	?	?	IUT to TST window size
FAC_ZERO	'00'H	-	-	-	-	Facility length zero

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PDU Field Group Constraints Declarations						
Field Group Name:HEADER						
Constraint Name	Field Name					Comments
	LCGN	FORMAT	DBIT	QBIT	LCN	
HDR_ANY_D(LG,LN :BS)	LG	GFI_B	?	0	LN	Any D bit setting; basic format
HDR_ANY_Q(LG,LN :BS)	LG	GFI_B	0	?	LN	Any Q bit setting; basic format
HDR_G(LG,LN :BS)	LG	GFI_B	0	0	LN	General Header basic format, D-bit and Q-bit set to 0
#						
HDR_G_ANY	?	GFI_B	0	0	?	General Header basic format, D-bit and Q-bit set to 0, any LCI
#						
HDR_NIL	0	0	0	0	0	
HDR_QD(Q,D,LG,LN :BS)	LG	GFI_B	D	Q	LN	Q and/or D bit set; basic format
HDR_SHRT(Q,D,LG :BS)	LG	GFI_B	D	Q	-	No logical channel number
HDR_X(LG,LN :BS)	LG	GFI_X	0	0	LN	Extended sequence numbering
HDR_ZERO	0	GFI_B	0	0	0	

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Packet Layer Group 1: State R1 Packet Layer Ready

PLG 1 contains the test cases for the RESTART STATE r1.

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Test Case Dynamic Behaviour				
Reference:PACKET/R1/PROPER/P01 Identifier:P1_101 Purpose:Verify the IUT accepts a Restart Indication in R1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE(ANY_VC)				
!RESTART START TD		STRT_DCE		
[DISC_AT_DL]				
?RESTARTC CANCEL		STRTC_1	P	
?RESTART CANCEL		STRT_1DTEA	P	1
?TIMEOUT TD			P	
?OTHERWISE CANCEL			P	
[NOT DISC_AT_DL]				
?RESTARTC CANCEL		STRTC_1	(P)	
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	(P)	
+R1_POSTAMBLE				
?OTHERWISE CANCEL			F	
?TIMEOUT TD			F	
Extended Comments: 1) This RESTART may be sent in response to the received RESTART or may be a result of a Data Link re-initialization procedure.				

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Test Case Dynamic Behaviour				
Reference:PACKET/R1/PROPER/P02 Identifier:P1_102 Purpose:Verify the IUT does not respond to a Diagnostic packet received in state R1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) !DIAG START TD ?TIMEOUT TD +R1_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD		DGN_ZERO	(P) F	1
Extended Comments: 1) no response				

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Test Case Dynamic Behaviour				
Reference:PACKET/R1/IMPROPER/P01A Identifier:P1_201A Purpose:Verify the IUT discards an Incoming Call packet with LCI=0 while in state R1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) !CALL START TD ?TIMEOUT TD +R1_POSTAMBLE ?RESTART [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG36)) OR CAUSE_EQ_128] CANCEL !RESTARTC ?OTHERWISE CANCEL		CALL_ZERO STRT_1DTEA STRTC	(P) I F	1 2
Extended Comments: 1) no response 2) no information, not allowed, unassigned LCI The acceptance of Restart in response to a Call Request on LCI=0 is for further study.				

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Test Case Dynamic Behaviour

Reference:PACKET/R1/IMPROPER/P01B
Identifier:P1_201B
Purpose:Verify the IUT discards a Call Connected packet with LCI=0
while in state R1
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC)				
!ACCEPT START TD		ANSR_ZERO		
?TIMEOUT TD			(P)	1
+R1_POSTAMBLE				
?RESTART [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG36)) OR CAUSE_EQ_128] CANCEL		STRT_1DTEA		2
!RESTARTC		STRTC	I	
?OTHERWISE CANCEL			F	

Extended Comments:
1) no response
2) no information, not allowed, unassigned LCI

The acceptance of Restart in response to Call Connected packet on LCI=0 is for further study.

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Test Case Dynamic Behaviour

Reference:PACKET/R1/IMPROPER/P01C
Identifier:P1_201C
Purpose:Verify the IUT discards a Clear Indication packet with LCI=0
while in state R1
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC)				
!CLEAR START TD		CLR_ZERO		
?TIMEOUT TD			(P)	1
+R1_POSTAMBLE				
?RESTART [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG36)) OR CAUSE_EQ_128] CANCEL		STRT_1DTEA		2
!RESTARTC		STRTC	I	
?OTHERWISE CANCEL			F	

Extended Comments:
1) no response
2) no information, not allowed, unassigned LCI

The acceptance of Restart in response to a Clear Indication on LCI=0 is for further study.

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Test Case Dynamic Behaviour				
Reference:PACKET/R1/IMPROPER/P01D Identifier:P1_201D Purpose:Verify the IUT discards a Clear Confirmation packet with LCI equal to zero while in state R1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) !CLEARC START TD ?TIMEOUT TD +R1_POSTAMBLE ?RESTART [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG36)) OR CAUSE_EQ_128] CANCEL !RESTARTC ?OTHERWISE CANCEL		CLRC_ZERO STRT_1DTEA STRTC	(P) I F	1 2
Extended Comments: 1) no response 2) no information, not allowed, unassigned LCI The acceptance of Restart in response to a Clear Confirmation on LCI=0 is for further study.				

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Test Case Dynamic Behaviour

Reference:PACKET/R1/IMPROPER/P01E
Identifier:P1_201E
Purpose:Verify the IUT discards a Data packet with LCI=0 while in state R1
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC)				
!DATA START TD		DAT_ZERO		
?TIMEOUT TD			(P)	1
+R1_POSTAMBLE				
?RESTART [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG36)) OR CAUSE_EQ_128] CANCEL		STRT_1DTEA		2
!RESTARTC		STRTC	I	
?OTHERWISE CANCEL			F	

Extended Comments:

1) no response
2) no information, not allowed, unassigned LCI

The acceptance of Restart in response to a Data packet on LCI=0 is for further study.

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Test Case Dynamic Behaviour				
Reference:PACKET/R1/IMPROPER/P01F Identifier:P1_201F Purpose:Verify the IUT discards an Interrupt packet with LCI=0 while in state R1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) !INT START TD ?TIMEOUT TD +R1_POSTAMBLE ?RESTART [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG36)) OR CAUSE_EQ_128] CANCEL !RESTARTC ?OTHERWISE CANCEL		INT_ZERO STRT_1DTEA STRTC	(P) I F	1 1
Extended Comments: 1) no response 2) no information, not allowed, unassigned LCI The acceptance of Restart in response to an Interrupt packet on LCI=0 is for further study.				

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Test Case Dynamic Behaviour

Reference:PACKET/R1/IMPROPER/P01G
Identifier:P1_201G
Purpose:Verify the IUT discards an Interrupt Confirmation packet with LCI=0 while in state R1
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC)				
!INTC START TD		INTC_ZERO		
?TIMEOUT TD			(P)	1
+R1_POSTAMBLE				
?RESTART [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG36)) OR CAUSE_EQ_128] CANCEL		STRT_1DTEA		2
!RESTARTC		STRTC	I	
?OTHERWISE CANCEL			F	

Extended Comments:

1) no response
2) no information, not allowed, unassigned LCI

The acceptance of Restart in response to a Interrupt Confirmation on LCI=0 is for further study.

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Test Case Dynamic Behaviour				
Reference:PACKET/R1/IMPROPER/P01H Identifier:P1_201H Purpose:Verify the IUT discards an Receiver Ready (RR) packet with LCI=0 while in state R1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) !RR START TD ?TIMEOUT TD # +R1_POSTAMBLE ?RESTART [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG36)) OR CAUSE_EQ_128] CANCEL # # !RESTARTC ?OTHERWISE CANCEL		RR_ZERO STRT_IDTEA STRTC	(P) I F	no response no info, not allowed, unassigned LCI
Extended Comments: The acceptance of Restart in response to an Receiver Ready packet on LCI=0 is for further study.				

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Test Case Dynamic Behaviour				
Reference:PACKET/R1/IMPROPER/P01I Identifier:P1_201I Purpose:Verify the IUT discards an Receiver Not Ready (RNR) packet with LCI=0 while in state R1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) !RNR START TD ?TIMEOUT TD +R1_POSTAMBLE ?RESTART [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG36)) OR CAUSE_EQ_128] CANCEL !RESTARTC ?OTHERWISE CANCEL		RNR_ZERO STRT_1DTEA STRTC	 (P) I F	 1 2
Extended Comments: 1) no response 2) no information, not allowed, unassigned LCI The acceptance of Restart in response to an Receive Not Ready on LCI=0 is for further study.				

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Test Case Dynamic Behaviour				
Reference:PACKET/R1/IMPROPER/P01J Identifier:P1_201J Purpose:Verify the IUT discards a Reset Indication packet with LCI=0 while in state R1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) !RESET START TD ?TIMEOUT TD +R1_POSTAMBLE ?RESTART [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG36)) OR CAUSE_EQ_128] CANCEL !RESTARTC ?OTHERWISE CANCEL		RST_ZERO STRT_1DTEA STRTC	(P) I F	1 2
Extended Comments: 1) no response 2) no information, not allowed, unassigned LCI The acceptance of Restart in response to a Reset Indication on LCI=0 is for further study.				

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Test Case Dynamic Behaviour				
Reference:PACKET/R1/IMPROPER/P01K Identifier:P1_201K Purpose:Verify the IUT discards a Reset Confirmation packet with LCI=0 while in state R1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) !RESETC START TD ?TIMEOUT TD +R1_POSTAMBLE ?RESTART [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG36)) OR CAUSE_EQ_128] CANCEL !RESTARTC ?OTHERWISE CANCEL		RSTC_ZERO STRT_1DTEA STRTC	(P) I F	1 2
Extended Comments: 1) no response 2) no information, not allowed, unassigned LCI The acceptance of Restart in response to a Reset Confirmation on LCI=0 is for further study.				

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Test Case Dynamic Behaviour				
Reference:PACKET/R1/IMPROPER/P01L Identifier:P1_201L Purpose:Verify the IUT discards a Reject packet with LCI=0 while in state R1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) !REJ START TD ?TIMEOUT TD +R1_POSTAMBLE ?RESTART [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG36)) OR CAUSE_EQ_128] CANCEL !RESTARTC ?OTHERWISE CANCEL		REJ_ZERO STRT_1DTEA STRTC	 (P) I F	 1 2
Extended Comments: 1) no response 2) no information, not allowed, unassigned LCI The acceptance of Restart in response to a Reject packet on LCI=0 is for further study.				

Test Case Dynamic Behaviour				
Reference:PACKET/R1/IMPROPER/P02 Identifier:P1_202 Purpose:Verify the IUT discards or Restarts a too short Restart Indication (no cause code or diagnostic fields) packet received in state R1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) !RESTART START TD ?TIMEOUT TD +R1_POSTAMBLE ?RESTART [CCITT_80 OR CCITT_84] CANCEL !RESTARTC +R1_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL		STRT_NR STRT_1DTEA STRTC	 (P) (P) F	 1 2 3 4
Extended Comments: 1) too short Restart 2) no response 3) Received no response to a too short Restart. 4) for ISO 8208 a received Restart is Inconclusive				

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Test Case Dynamic Behaviour

Reference:PACKET/R1/IMPROPER/P03
Identifier:P1_203
Purpose:Verify the IUT discards or Restarts a too long Restart (one octet after the Diagnostic field) received in state R1
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC)				
!RESTART START TD		STRT_LO		
?TIMEOUT TD			(P)	no response
+R1_POSTAMBLE				1
?RESTART [CCITT_80 OR CCITT_84] CANCEL		STRT_1DTEA		
!RESTARTC		STRTC	(P)	
+R1_POSTAMBLE				
+RSTRT_UNEXPECTED				2
?OTHERWISE CANCEL			F	

Extended Comments:
1) Received no response to a too long Restart
2) for ISO 8208 a received Restart is Inconclusive

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Test Case Dynamic Behaviour				
Reference:PACKET/R1/IMPROPER/P04 Identifier:P1_204 Purpose:Verify the IUT discards or Restarts a too long Restart Confirmation (one octet appended to the end of the packet) received in state R1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC)				
!RESTARTC START TD		STRTC_LO		1
?TIMEOUT TD			(P)	2
+R1_POSTAMBLE				
?RESTART [CCITT_80 OR CCITT_84] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG32 OR #DIAG39)) OR CAUSE_EQ_128] CANCEL		STRT_1DTEA		3
!RESTARTC		STRTC	(P)	
+R1_POSTAMBLE				
+RSTRT_UNEXPECTED				4
?OTHERWISE CANCEL			F	
Extended Comments: 1) Restart Confirmation packet of length four octets 2) Received no response to a too long Restart Confirmation 3) no information, not allowed, too long 4) for ISO 8208 a received Restart is Inconclusive				

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Test Case Dynamic Behaviour				
Reference:PACKET/R1/IMPROPER/P06 Identifier:P1_206 Purpose:Verify the IUT discards a Diagnostic packet with an assigned LCN not equal to zero received in state R1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) !DIAG START TD ?TIMEOUT TD +R1_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL		DGN_0(LCI)	(P) F	1 2
Extended Comments: 1) DIAG LCI <> 0 2) no response This test case is not applicable to CCITT X.25 1980 or 1984 IUTs.				

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Test Case Dynamic Behaviour				
Reference:PACKET/R1/IMPROPER/P07 Identifier:P1_207 Purpose:Verify the IUT discards a too short Diagnostic packet (no diagnostic or explanation fields) received in state R1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) !DIAG START TD ?TIMEOUT TD +R1_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL		DGN_SHT	(P) F	1
Extended Comments: 1) no response This test case is not applicable to CCITT X.25 1980 or 1984 IUTs.				

Test Case Dynamic Behaviour				
Reference:PACKET/R1/IMPROPER/P08 Identifier:P1_208 Purpose:Verify the IUT discards a too long Diagnostic packet (explanation field of three octets plus one appended octet) received in state R1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) !DIAG START TD ?TIMEOUT TD +R1_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL		DGN_L(0,0)	(P) F	1
Extended Comments: 1) no response This test case is not applicable to CCITT X.25 1980 or 1984 IUTs.				

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Test Case Dynamic Behaviour				
Reference:PACKET/R1/IMPROPER/P09 Identifier:P1_209 Purpose:Verify the IUT discards packet of length one octet received in state R1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) !ERROR START TD ?TIMEOUT TD +R1_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL		ERR_A	(P) F	1
Extended Comments:1) no response				

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Test Case Dynamic Behaviour

Reference:PACKET/R1/IMPROPER/P10
Identifier:P1_210
Purpose:Verify the IUT discards Restart Indications with an invalid GFI
received in state R1
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC)				
!RESTART START TD		STRT_NIL		
?TIMEOUT TD				no response
+R1_POSTAMBLE				
[SEQ_MODULO = 8]				
(GF := 2)				
+SUBTREE				
+SUBTREE_1				
[SEQ_MODULO = 128]				
(GF := 1)				
+SUBTREE				
+SUBTREE_1				
+RSTRT_UNEXPECTED				
?OTHERWISE CANCEL			F	
SUBTREE_1				
(GF := 3)			(P)	1
REPEAT SUBTREE UNTIL [COUNT = 14]				
+R1_POSTAMBLE				
SUBTREE				
!RESTART_1 (GFI := GF) (GF := GF + 1)		STRT_UDF		
#START TD				
?TIMEOUT TD				no response
+R1_POSTAMBLE				continue
(COUNT := COUNT + 1)				
+RSTRT_UNEXPECTED				
?OTHERWISE CANCEL			F	

Extended Comments:1) RESTARTs with GFI values 3 to 15 are transmitted.

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Test Case Dynamic Behaviour				
Reference:PACKET/R1/IMPROPER/P11A Identifier:P1_211A Purpose:Verify the IUT discards a Incoming Call with unassigned LCI received in state R1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC) !CALL START TD ?TIMEOUT TD +ASSIGN_DCE (ANY_VC) +R1_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL		CALL_0(LCI)	(P) F	no response
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/R1/IMPROPER/P11B Identifier:P1_211B Purpose:Verify the IUT discards a Call Connected packet with unassigned LCI received in state R1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC) !ACCEPT START TD ?TIMEOUT TD +ASSIGN_DCE (ANY_VC) +R1_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL		ANSR_0(LCI)	(P) F	no response
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/R1/IMPROPER/P11C Identifier:P1_211C Purpose:Verify the IUT discards a Clear Indication with unassigned LCI received in state R1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC) !CLEAR START TD ?TIMEOUT TD +ASSIGN_DCE (ANY_VC) +R1_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL		CLR_0(LCI)	(P) F	no response
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/R1/IMPROPER/P11D Identifier:P1_211D Purpose:Verify the IUT discards a Clear Confirmation with unassigned LCI received in state R1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC) !CLEARC START TD ?TIMEOUT TD +ASSIGN_DCE (ANY_VC) +R1_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL		CLRC_0(LCI)	(P) F	no response
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/R1/IMPROPER/P11E Identifier:P1_211E Purpose:Verify the IUT discards a Data packet with unassigned LCI received in state R1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC) !DATA START TD ?TIMEOUT TD +ASSIGN_DCE (ANY_VC) +R1_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL		D_ONE(LCI)	(P) F	no response
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/R1/IMPROPER/P11F Identifier:P1_211F Purpose:Verify the IUT discards a Interrupt packet with unassigned LCI received in state R1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC) !INT START TD ?TIMEOUT TD +ASSIGN_DCE (ANY_VC) +R1_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL		INT_0(LCI)	(P) F	no response
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/R1/IMPROPER/P11G Identifier:P1_211G Purpose:Verify the IUT discards a Interrupt Confirmation with unassigned LCI received in state R1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC) !INTC START TD ?TIMEOUT TD +ASSIGN_DCE (ANY_VC) +R1_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL		INTC_0(LCI)	(P) F	no response
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/R1/IMPROPER/P11H Identifier:P1_211H Purpose:Verify the IUT discards a Receive Ready (RR) with unassigned LCI received in state R1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC) !RR START TD ?TIMEOUT TD +ASSIGN_DCE (ANY_VC) +R1_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL		RR_0(LCI)	(P) F	no response
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/R1/IMPROPER/P11I Identifier:P1_211I Purpose:Verify the IUT discards a Receive Not Ready (RNR) with unassigned LCI received in state R1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC) !RNR START TD ?TIMEOUT TD +ASSIGN_DCE (ANY_VC) +R1_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL		RNR_0(LCI)	(P) F	no response
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/R1/IMPROPER/P11J Identifier:P1_211J Purpose:Verify the IUT discards a Reset Indication with unassigned LCI received in state R1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC) !RESET START TD ?TIMEOUT TD +ASSIGN_DCE (ANY_VC) +R1_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL		RST_0(LCI)	(P) F	no response
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/R1/IMPROPER/P11K Identifier:P1_211K Purpose:Verify the IUT discards a Reset Confirmation with unassigned LCI received in state R1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC) !RESETC START TD ?TIMEOUT TD +ASSIGN_DCE (ANY_VC) +R1_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL		RSTC_0(LCI)	(P) F	no response
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/R1/IMPROPER/P11L Identifier:P1_211L Purpose:Verify the IUT discards a Reject packet with unassigned LCI received in state R1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC) !REJ START TD ?TIMEOUT TD +ASSIGN_DCE (ANY_VC) +R1_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL		REJ_0(LCI)	(P) F	no response
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/R1/INOPPORTUNE/P01 Identifier:P1_301 Purpose:Verify the IUT restarts a Restart Confirmation with the correct diagnostic code received in state R1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) !RESTARTC START TD ?RESTART [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG16 OR DIAG17)) OR CAUSE_EQ_128] CANCEL !RESTARTC +R1_POSTAMBLE ?TIMEOUT TD ?OTHERWISE CANCEL TD		STRTC STRT_1DTEA STRTC 	 (P) F F	 1
Extended Comments: 1) no information, packet invalid, invalid for r1				

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Packet Layer Group 2: State R2 DTE Restart Request

PLG 2 contains the test cases for the RESTART STATE r2.

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Test Case Dynamic Behaviour				
Reference:PACKET/R2/PROPER/P01 Identifier:P2_101 Purpose:Verify the R2 to R1 transition via Restart Indication Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) +R2_PREAMBLE !RESTART +R1_POSTAMBLE		STRT_DCE	(P)	1
Extended Comments: 1) Restart collision at the IUT				

Test Case Dynamic Behaviour				
Reference:PACKET/R2/PROPER/P02 Identifier:P2_102 Purpose:Verify the R2 to R1 transition via Restart Confirmation Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) +R2_PREAMBLE !RESTARTC +R1_POSTAMBLE		STRTC	(P)	1
Extended Comments: 1) send Restart Confirmation				

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Test Case Dynamic Behaviour				
Reference:PACKET/R2/PROPER/P03 Identifier:P2_103 Purpose:Verify the IUT does not respond to a Diagnostic packet received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (NO_LC) +R2_PREAMBLE !DIAG START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		DGN_ZERO	(P) F	
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P01 Identifier:P2_201 Purpose:Verify the IUT discards a packet of length two octets received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (NO_LC) +R2_PREAMBLE !ERROR START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		ERR_SHT(LCI)	(P) F	no response
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P02A Identifier:P2_202A Purpose:Verify the IUT discards an Incoming Call with LCI=0 received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (NO_LC) +R2_PREAMBLE !CALL START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		CALL_ZERO	 (P) F	 no response
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P02B Identifier:P2_202B Purpose:Verify the IUT discards a Call Connected packet with LCI=0 received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (NO_LC) +R2_PREAMBLE !ACCEPT START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		ANSR_ZERO	 (P) F	 no response
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P02C Identifier:P2_202C Purpose:Verify the IUT discards a Clear Indication with LCI=0 received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (NO_LC) +R2_PREAMBLE !CLEAR START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		CLR_ZERO	(P) F	no response
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P02D Identifier:P2_202D Purpose:Verify the IUT discards a Clear Confirmation with LCI=0 received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (NO_LC) +R2_PREAMBLE !CLEARC START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		CLRC_ZERO	(P) F	no response
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P02E Identifier:P2_202E Purpose:Verify the IUT discards a Data packet with LCI=0 received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (NO_LC) +R2_PREAMBLE !DATA START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		DAT_ZERO	 (P) F	 no response
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P02F Identifier:P2_202F Purpose:Verify the IUT discards an Interrupt packet with LCI=0 received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (NO_LC) +R2_PREAMBLE !INT START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		INT_ZERO	 (P) F	 no response
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P02G Identifier:P2_202G Purpose:Verify the IUT discards an Interrupt Confirmation with LCI=0 received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (NO_LC) +R2_PREAMBLE !INTC START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		INTC_ZERO	 (P) F	 no response
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P02H Identifier:P2_202H Purpose:Verify the IUT discards a Receive Ready (RR) with LCI=0 received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (NO_LC) +R2_PREAMBLE !RR START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		RR_ZERO	 (P) F	 no response
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P02I Identifier:P2_202I Purpose:Verify the IUT discards a Receive Not Ready (RNR) with LCI=0 received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (NO_LC) +R2_PREAMBLE !RNR START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		RNR_ZERO	 (P) F	 no response
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P02J Identifier:P2_202J Purpose:Verify the IUT discards a Reset Indication with LCI=0 received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (NO_LC) +R2_PREAMBLE !RESET START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		RST_ZERO	 (P) F	 no response
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P02K Identifier:P2_202K Purpose:Verify the IUT discards a Reset Confirmation with LCI=0 received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (NO_LC) +R2_PREAMBLE !RESETC START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		RSTC_ZERO	 (P) F	 no response
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P02L Identifier:P2_202L Purpose:Verify the IUT discards a Reject packet with LCI=0 received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (NO_LC) +R2_PREAMBLE !REJ START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		REJ_ZERO	 (P) F	 no response
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P03A Identifier:P2_203A Purpose:Verify the IUT discards an unidentified packet on logical channel zero received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (NO_LC) +R2_PREAMBLE !ERROR START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		ERR_ZERO	(P) F	
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P03B Identifier:P2_203B Purpose:Verify the IUT discards an unidentified packet on a valid logical channel received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) +R2_PREAMBLE !ERROR START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		ERR_B(LCI)	(P) F	
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P03C Identifier:P2_203C Purpose:Verify the IUT discards an unidentified packet on an unassigned logical channel received in state R2 Default:				
Behaviour Description	**Label**	**Constraints Reference**	**V**	**Comments**
+R1_PREAMBLE (UVC) +R2_PREAMBLE !ERROR START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		ERR_B(LCI)	(P) F	
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P04 Identifier:P2_204 Purpose:Verify the IUT discards a Restart Indication with LCI not equal to zero received in state R2 Default:				
Behaviour Description	**Label**	**Constraints Reference**	**V**	**Comments**
+R1_PREAMBLE (ANY VC) +R2_PREAMBLE !RESTART START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		STRT_NZ(LCI)	(P) F	no response
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P05 Identifier:P2_205 Purpose:Verify the IUT discards a Restart Confirmation with LCI not equal to zero received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) +R2_PREAMBLE !RESTARTC START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		STRTC_NZ(LCI)	(P) F	
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P06 Identifier:P2_206 Purpose:Verify the IUT Restarts a too short Restart Indication received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (NO_LC) +R2_PREAMBLE !RESTART START TD ?RESTART [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG38)) OR CAUSE_EQ_128] CANCEL #TD +R2_POSTAMBLE ?TIMEOUT TD ?OTHERWISE CANCEL TD		STRT_NR STRT_1DTEA	(P) F F	1 2
Extended Comments: 1) no cause or diagnostic fields 2) no information, not allowed, too short				

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Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P07 Identifier:P2_207 Purpose:Verify the IUT Restarts a too long Restart Indication received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (NO_LC) +R2_PREAMBLE !RESTART START TD ?RESTART [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG39)) OR CAUSE_EQ_128] CANCEL #TD +R2_POSTAMBLE ?TIMEOUT TD ?OTHERWISE CANCEL TD		STRT_LO STRT_1DTEA	(P) F F	1 2
Extended Comments: 1) long Restart 2) no information, not allowed, too long				

Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P08 Identifier:P2_208 Purpose:Verify the IUT Restarts a too long Restart Confirmation received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (NO_LC) +R2_PREAMBLE !RESTARTC START TD ?RESTART [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG39)) OR CAUSE_EQ_128] CANCEL #TD +R2_POSTAMBLE ?TIMEOUT TD ?OTHERWISE CANCEL TD		STRTC_LO STRT_1DTEA	(P) F F	1
Extended Comments: 1) no information, not allowed, too long				

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Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P10 Identifier:P2_210 Purpose:Verify the IUT does not respond to a Diagnostic packet on an assigned LCI not equal to zero received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) +R2_PREAMBLE !DIAG START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		DGN_0(LCI)	(P) F	1
Extended Comments: 1) transmit a Diagnostic packet This test case is not applicable to CCITT X.25 1980 and 1984 IUTs.				

Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P11 Identifier:P2_211 Purpose:Verify the IUT discards a too short Diagnostic packet (no Diagnostic code or Explanation fields) received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (NO_LC) +R2_PREAMBLE !DIAG START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		DGN_SHT	(P) F	1
Extended Comments: 1) transmit a Diagnostic packet This test case is not applicable to CCITT X.25 1980 and 1984 IUTs.				

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Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P12 Identifier:P2_212 Purpose:Verify the IUT discards a too long Diagnostic packet (explanation field of three octets plus one appended octet) received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (NO_LC) +R2_PREAMBLE !DIAG START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		DGN_L(0,0)	(P) F	1 2
Extended Comments: 1) transmit a Diagnostic packet 2) no response This test case is not applicable to CCITT X.25 1980 and 1984 IUTs.				

Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P13 Identifier:P2_213 Purpose:Verify the IUT discards a too short packet (length of one octet) received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (NO_LC) +R2_PREAMBLE !ERROR START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		ERR_A	(P) F	
Extended Comments:				

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Test Case Dynamic Behaviour

Reference:PACKET/R2/IMPROPER/P14
Identifier:P2_214
Purpose:Verify the IUT discards Restart Indications with an invalid GFI received in state R2
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC)				
+R2_PREAMBLE				
!RESTART START TD		STRT_NIL		
?TIMEOUT TD				no response
!RESTARTC		STRTC		
+R1_POSTAMBLE				
+R2_PREAMBLE				
[SEQ_MODULO = 8]				
(GF := 2)				
+SUBTREE				
+SUBTREE_1				
[SEQ_MODULO = 128]				
(GF := 1)				
+SUBTREE				
+SUBTREE_1				
?OTHERWISE CANCEL TD			F	
SUBTREE_1				
(GF := 3)			(P)	1
REPEAT SUBTREE UNTIL [COUNT = 14]				
+R2_POSTAMBLE				
SUBTREE				
!RESTART_1 (GFI := GF) (GF:=GF+1) START TD		STRT_UDF		
?TIMEOUT TD				no response
+R2_POSTAMBLE				
+R2_PREAMBLE				continue
(COUNT := COUNT + 1)				
?OTHERWISE CANCEL TD			F	

Extended Comments: 1) RESTARTs with GFI values 3 to 15 are transmitted.

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Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P15A Identifier:P2_215A Purpose:Verify the IUT discards an Incoming Call on an unassigned LCI received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC) +R2_PREAMBLE !CALL START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		CALL_0(LCI)	(P) F	no response
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P15B Identifier:P2_215B Purpose:Verify the IUT discards a Call Connected packet on an unassigned LCI received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC) +R2_PREAMBLE !ACCEPT START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		ANSR_0(LCI)	(P) F	no response
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P15C Identifier:P2_215C Purpose:Verify the IUT discards a Clear Indication on an unassigned LCI received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC) +R2_PREAMBLE !CLEAR START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		CLR_0(LCI)	 (P) F	 no response
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P15D Identifier:P2_215D Purpose:Verify the IUT discards a Clear Confirmation on an unassigned LCI received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC) +R2_PREAMBLE !CLEARC START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		CLRC_0(LCI)	 (P) F	 no response
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P15E Identifier:P2_215E Purpose:Verify the IUT discards a Data packet on an unassigned LCI received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC) +R2_PREAMBLE !DATA START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		D_ONE(LCI)	 (P) F	 no response
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P15F Identifier:P2_215F Purpose:Verify the IUT discards a Interrupt packet on an unassigned LCI received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC) +R2_PREAMBLE !INT START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		INT_0(LCI)	 (P) F	 no response
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P15G Identifier:P2_215G Purpose:Verify the IUT discards an Interrupt Confirmation on an unassigned LCI received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC) +R2_PREAMBLE !INTC START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		INTC_0(LCI)	(P) F	no response
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P15H Identifier:P2_215H Purpose:Verify the IUT discards a Receive Ready (RR) on an unassigned LCI received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC) +R2_PREAMBLE !RR START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		RR_0(LCI)	(P) F	no response
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P15I Identifier:P2_215I Purpose:Verify the IUT discards a Receive Not Ready (RNR) on an unassigned LCI received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC) +R2_PREAMBLE !RNR START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		RNR_0(LCI)	(P) F	no response
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P15J Identifier:P2_215J Purpose:Verify the IUT discards a Reset Indication on an unassigned LCI received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC) +R2_PREAMBLE !RESET START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		RST_0(LCI)	(P) F	
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P15K Identifier:P2_215K Purpose:Verify the IUT discards a Reset Confirmation on an unassigned LCI received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC) +R2_PREAMBLE !RESETC START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		RSTC_0(LCI)	(P) F	no response
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P15L Identifier:P2_215L Purpose:Verify the IUT discards a Reject packet on an unassigned LCI received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC) +R2_PREAMBLE !REJ START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		REJ_0(LCI)	(P) F	no response
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P15M Identifier:P2_215M Purpose:Verify the IUT discards a Restart Indication on an unassigned LCI received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC) +R2_PREAMBLE !RESTART START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		STRT_NZ(LCI)	(P) F	no response
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/R2/IMPROPER/P15N Identifier:P2_215N Purpose:Verify the IUT discards a Restart Confirmation on an unassigned LCI received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC) +R2_PREAMBLE !RESTARTC START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		STRTC_NZ(LCI)	(P) F	no response
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/R2/INOPPORTUNE/P01A Identifier:P2_301A Purpose:Verify the IUT discards an Incoming Call received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) +R2_PREAMBLE !CALL START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		CALL_0(LCI)	(P) F	no response
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/R2/INOPPORTUNE/P01B Identifier:P2_301B Purpose:Verify the IUT discards a Call Connected packet received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) +R2_PREAMBLE !ACCEPT START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		ANSR_0(LCI)	(P) F	no response
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/R2/INOPPORTUNE/P01C Identifier:P2_301C Purpose:Verify the IUT discards a Clear Indication received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) +R2_PREAMBLE !CLEAR START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		CLR_0(LCI)	 (P) F	 no response
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/R2/INOPPORTUNE/P01D Identifier:P2_301D Purpose:Verify the IUT discards a Clear Confirmation received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) +R2_PREAMBLE !CLEARC START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		CLRC_0(LCI)	 (P) F	 no response
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/R2/INOPPORTUNE/P01E Identifier:P2_301E Purpose:Verify the IUT discards a Data packet received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) +R2_PREAMBLE !DATA START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		D_ONE(LCI)	 (P) F	 no response
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/R2/INOPPORTUNE/P01F Identifier:P2_301F Purpose:Verify the IUT discards an Interrupt received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) +R2_PREAMBLE !INT START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		INT_0(LCI)	 (P) F	 no response
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/R2/INOPPORTUNE/P01G Identifier:P2_301G Purpose:Verify the IUT discards an Interrupt Confirmation received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) +R2_PREAMBLE !INTC START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		INTC_0(LCI)	 (P) F	 no response
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/R2/INOPPORTUNE/P01H Identifier:P2_301H Purpose:Verify the IUT discards a Receive Ready (RR) received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) +R2_PREAMBLE !RR START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		RR_0(LCI)	 (P) F	 no response
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/R2/INOPPORTUNE/P01I Identifier:P2_301I Purpose:Verify the IUT discards a Receive Not Ready (RNR) received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) +R2_PREAMBLE !RNR START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		RNR_0(LCI)	 (P) F	 no response
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/R2/INOPPORTUNE/P01J Identifier:P2_301J Purpose:Verify the IUT discards a Reset Indication received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) +R2_PREAMBLE !RESET START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		RST_0(LCI)	 (P) F	 no response
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/R2/INOPPORTUNE/P01K Identifier:P2_301K Purpose:Verify the IUT discards a Reset Confirmation received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) +R2_PREAMBLE !RESETC START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		RSTC_0(LCI)	(P) F	no response
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/R2/INOPPORTUNE/P01L Identifier:P2_301L Purpose:Verify the IUT discards a Reject packet received in state R2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) +R2_PREAMBLE !REJ START TD ?TIMEOUT TD +R2_POSTAMBLE ?OTHERWISE CANCEL TD		REJ_0(LCI)	(P) F	no response
Extended Comments:				

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Packet Layer Group 3: State R3 DXE Restart Indication

PLG 3 contains the test cases for the RESTART r3. PLG 3 is a transient state and may not be observable. This packet layer test group is executed only if the IUT implements STATE r3 such that it is observable.

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Test Case Dynamic Behaviour				
Reference:PACKET/R3/PROPER/P01 Identifier:P3_101 Purpose:Verify the IUT accepts a valid Diagnostic packet received in state R3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) !RESTART START TD_RESP, START TO_R3, #START TD ?TIMEOUT TD_RESP !DIAG ?TIMEOUT TO_R3 ?RESTARTC CANCEL +R1_POSTAMBLE ?RESTART CANCEL +R1_POSTAMBLE ?TIMEOUT TD ?OTHERWISE CANCEL +R3_UNEXPECTED +R3_UNEXPECTED		STRT_DCE DGN_ZERO STRTC_1 STRT_1DTEA	(P) (P) F F	1
Extended Comments: 1) Put the IUT into state R3				

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Test Case Dynamic Behaviour				
Reference:PACKET/R3/IMPROPER/P01 Identifier:P3_201 Purpose:Verify the IUT Restarts or discards a packet of length two octets received in state R3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) !RESTART START TD_RESP, START TO_R3, #START TD ?TIMEOUT TD_RESP		STRT_DCE		
!ERROR [ISO] START TD_RESP, CANCEL TO_R3, #CANCEL TD ?RESTART [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG32 OR DIAG33 OR DIAG38)) OR #CAUSE_EQ_128] CANCEL		ERR_SHT(LCI) STRT_1DTEA	(P)	2
+R1_POSTAMBLE				
?RESTART		STRT_1DTEA	I	
?RESTARTC CANCEL ?TIMEOUT TD_RESP ?OTHERWISE CANCEL		STRTC_1	F F F	
[CCITT_80 OR CCITT_84] ?TIMEOUT TO_R3 ?RESTARTC CANCEL TD		STRTC_1	(P)	1
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	(P)	
+R1_POSTAMBLE				
?TIMEOUT TD ?OTHERWISE CANCEL			F F	
+R3_UNEXPECTED +R3_UNEXPECTED				
Extended Comments: 1) see CCITT X.25 Table C-2; 2) see ISO 8208 Figure 5-C				

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Test Case Dynamic Behaviour

Reference:PACKET/R3/IMPROPER/P02A
Identifier:P3_202A
Purpose:Verify the IUT discards an Incoming Call with LCI=0 received state in R3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC)				
!RESTART START TD_RESP, START TO_R3,		STRT_DCE		
#START TD				
?TIMEOUT TD_RESP				
!CALL		CALL_ZERO		
?TIMEOUT TO_R3				
?RESTARTC CANCEL TD		STRTC_1	(P)	
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	(P)	
+R1_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+R3_UNEXPECTED				
+R3_UNEXPECTED				

Extended Comments:

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Test Case Dynamic Behaviour				
Reference:PACKET/R3/IMPROPER/P02B Identifier:P3_202B Purpose:Verify the IUT discards a Call Connected packet with LCI=0 received state in R3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) !RESTART START TD_RESP, START TO_R3, #START TD ?TIMEOUT TD_RESP !ACCEPT ?TIMEOUT TO_R3 ?RESTARTC CANCEL TD +R1_POSTAMBLE ?RESTART CANCEL +R1_POSTAMBLE ?TIMEOUT TD ?OTHERWISE CANCEL +R3_UNEXPECTED +R3_UNEXPECTED		STRT_DCE ANSR_ZERO STRTC_1 STRT_1DTEA	(P) (P) F F	
Extended Comments:				

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Test Case Dynamic Behaviour

Reference:PACKET/R3/IMPROPER/P02C
Identifier:P3_202C
Purpose:Verify the IUT discards a Clear Indication with LCI=0 received state in R3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC)				
!RESTART START TD_RESP, START TO_R3,		STRT_DCE		
#START TD				
?TIMEOUT TD_RESP				
!CLEAR		CLR_ZERO		
?TIMEOUT TO_R3				
?RESTARTC CANCEL TD		STRTC_1	(P)	
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	(P)	
+R1_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+R3_UNEXPECTED				
+R3_UNEXPECTED				

Extended Comments:

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Test Case Dynamic Behaviour				
Reference:PACKET/R3/IMPROPER/P02D Identifier:P3_202D Purpose:Verify the IUT discards a Clear Confirmation with LCI=0 received state in R3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) !RESTART START TD_RESP, START TO_R3, #START TD ?TIMEOUT TD_RESP !CLEARC ?TIMEOUT TO_R3 ?RESTARTC CANCEL TD +R1_POSTAMBLE ?RESTART CANCEL +R1_POSTAMBLE ?TIMEOUT TD ?OTHERWISE CANCEL +R3_UNEXPECTED +R3_UNEXPECTED		STRT_DCE CLRC_ZERO STRTC_1 STRT_1DTEA	(P) (P) F F	
Extended Comments:				

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Test Case Dynamic Behaviour

Reference:PACKET/R3/IMPROPER/P02E
Identifier:P3_202E
Purpose:Verify the IUT discards a Data packet with LCI=0 received state in R3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC)				
!RESTART START TD_RESP, START TO_R3,		STRT_DCE		
#START TD				
?TIMEOUT TD_RESP				
!DATA		DAT_ZERO		
?TIMEOUT TO_R3				
?RESTARTC CANCEL TD		STRTC_1	(P)	
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	(P)	
+R1_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+R3_UNEXPECTED				
+R3_UNEXPECTED				

Extended Comments:

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Test Case Dynamic Behaviour				
Reference:PACKET/R3/IMPROPER/P02F Identifier:P3_202F Purpose:Verify the IUT discards an Interrupt packet with LCI=0 received state in R3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) !RESTART START TD_RESP, START TO_R3, #START TD ?TIMEOUT TD_RESP !INT ?TIMEOUT TO_R3 ?RESTARTC CANCEL TD +R1_POSTAMBLE ?RESTART CANCEL +R1_POSTAMBLE ?TIMEOUT TD ?OTHERWISE CANCEL +R3_UNEXPECTED +R3_UNEXPECTED		STRT_DCE INT_ZERO STRTC_1 STRT_1DTEA	(P) (P) F F	
Extended Comments:				

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Test Case Dynamic Behaviour

Reference:PACKET/R3/IMPROPER/P02G
Identifier:P3_202G
Purpose:Verify the IUT discards an Interrupt Confirmation with LCI=0
received state in R3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC)				
!RESTART START TD_RESP, START TO_R3,		STRT_DCE		
#START TD				
?TIMEOUT TD_RESP				
!INTC		INTC_ZERO		
?TIMEOUT TO_R3				
?RESTARTC CANCEL TD		STRTC_1	(P)	
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	(P)	
+R1_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+R3_UNEXPECTED				
+R3_UNEXPECTED				

Extended Comments:

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Test Case Dynamic Behaviour				
Reference:PACKET/R3/IMPROPER/P02H Identifier:P3_202H Purpose:Verify the IUT discards a Receive Ready (RR) with LCI=0 received state in R3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) !RESTART START TD_RESP, START TO_R3, #START TD ?TIMEOUT TD_RESP		STRT_DCE		
!RR ?TIMEOUT TO_R3 ?RESTARTC CANCEL TD		RR_ZERO STRTC_1	 (P)	
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	(P)	
+R1_POSTAMBLE				
?TIMEOUT TD ?OTHERWISE CANCEL			F F	
+R3_UNEXPECTED +R3_UNEXPECTED				
Extended Comments:				

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Test Case Dynamic Behaviour

Reference:PACKET/R3/IMPROPER/P02I
Identifier:P3_202I
Purpose:Verify the IUT discards a Receive Not Ready (RNR) packet with LCI=0 received state in R3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC)				
!RESTART START TD_RESP, START TO_R3,		STRT_DCE		
#START TD				
?TIMEOUT TD_RESP				
!RNR		RNR_ZERO		
?TIMEOUT TO_R3				
?RESTARTC CANCEL TD		STRTC_1	(P)	
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	(P)	
+R1_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+R3_UNEXPECTED				
+R3_UNEXPECTED				

Extended Comments:

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Test Case Dynamic Behaviour				
Reference:PACKET/R3/IMPROPER/P02J Identifier:P3_202J Purpose:Verify the IUT discards a Reset Indication with LCI=0 received state in R3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) !RESTART START TD_RESP, START TO_R3, #START TD ?TIMEOUT TD_RESP !RESET ?TIMEOUT TO_R3 ?RESTARTC CANCEL TD +R1_POSTAMBLE ?RESTART CANCEL +R1_POSTAMBLE ?TIMEOUT TD ?OTHERWISE CANCEL +R3_UNEXPECTED +R3_UNEXPECTED		STRT_DCE RST_ZERO STRTC_1 STRT_1DTEA	(P) (P) F F	
Extended Comments:				

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Test Case Dynamic Behaviour

Reference:PACKET/R3/IMPROPER/P02K
Identifier:P3_202K
Purpose:Verify the IUT discards a Reset Confirmation with LCI=0 received state in R3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC)				
!RESTART START TD_RESP, START TO_R3,		STRT_DCE		
#START TD				
?TIMEOUT TD_RESP				
!RESETC		RSTC_ZERO		
?TIMEOUT TO_R3				
?RESTARTC CANCEL TD		STRTC_1	(P)	
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	(P)	
+R1_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+R3_UNEXPECTED				
+R3_UNEXPECTED				

Extended Comments:

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Test Case Dynamic Behaviour				
Reference:PACKET/R3/IMPROPER/P02L Identifier:P3_202L Purpose:Verify the IUT discards a Reject packet with LCI=0 received state in R3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) !RESTART START TD_RESP, START TO_R3, #START TD ?TIMEOUT TD_RESP !REJ ?TIMEOUT TO_R3 ?RESTARTC CANCEL TD +R1_POSTAMBLE ?RESTART CANCEL +R1_POSTAMBLE ?TIMEOUT TD ?OTHERWISE CANCEL +R3_UNEXPECTED +R3_UNEXPECTED		STRT_DCE REJ_ZERO STRTC_1 STRT_1DTEA	 (P) (P) F F	
Extended Comments:				

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Test Case Dynamic Behaviour

Reference:PACKET/R3/IMPROPER/P03A
Identifier:P3_203A
Purpose:Verify the IUT Restarts or discards an unidentified packet on logical channel zero received in state R3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC)				
!RESTART START TD_RESP, START TO_R3, #START TD		STRT_DCE		
?TIMEOUT TD_RESP				
!ERROR		ERR_ZERO		
[ISO]				1
START TD_RESP, CANCEL TO_R3, #CANCEL TD				
?RESTART [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG32 OR DIAG33)) OR #CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	I	
?RESTARTC CANCEL		STRTC_1	F	
?TIMEOUT TD_RESP			F	
?OTHERWISE CANCEL			F	
[CCITT_80 OR CCITT_84]				2
?TIMEOUT TO_R3				
?RESTARTC CANCEL TD		STRTC_1	(P)	
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	(P)	
+R1_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+R3_UNEXPECTED				
+R3_UNEXPECTED				

Extended Comments: 1) see ISO 8208 Figure 5-C 2) see CCITT X.25 Table C-2

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Test Case Dynamic Behaviour				
Reference:PACKET/R3/IMPROPER/P03B Identifier:P3_203B Purpose:Verify the IUT Restarts or discards an unidentified packet on a valid logical channel received in state R3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) !RESTART START TD_RESP, START TO_R3, #START TD ?TIMEOUT TD_RESP		STRT_DCE		
!ERROR [ISO] START TD_RESP ?RESTART [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG32 OR DIAG33)) OR #CAUSE_EQ_128] CANCEL		ERR_B(LCI) STRT_1DTEA	 (P)	1
+R1_POSTAMBLE ?RESTART CANCEL ?RESTARTC CANCEL ?TIMEOUT TD_RESP ?OTHERWISE CANCEL		 STRT_1DTEA STRTC_1	 I F F F	
[CCITT_80 OR CCITT_84] ?TIMEOUT TO_R3 ?RESTARTC CANCEL TD +R1_POSTAMBLE ?RESTART CANCEL +R1_POSTAMBLE ?TIMEOUT TD ?OTHERWISE CANCEL		 STRTC_1 STRT_1DTEA	 (P) (P) F F	2
+R3_UNEXPECTED +R3_UNEXPECTED				
Extended Comments: 1) see ISO 8208 Figure 5-C 2) see CCITT X.25 Table C-2				

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Test Case Dynamic Behaviour

Reference:PACKET/R3/IMPROPER/P03C
Identifier:P3_203C
Purpose:Verify the IUT Restarts or discards an unidentified packet on an unassigned logical channel received in state R3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC)				
!RESTART START TD_RESP, START TO_R3,		STRT_DCE		
#START TD				
?TIMEOUT TD_RESP				
!ERROR		ERR_B(LCI)		
[ISO]				1
START TD_RESP				
?RESTART [(CAUSE_EQ_0 AND		STRT_1DTEA	(P)	
#(DIAG0 OR DIAG32 OR DIAG33)) OR				
#CAUSE_EQ_128] CANCEL				
+ASSIGN_DCE (ANY_VC)				
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	I	
?RESTARTC CANCEL		STRTC_1	F	
?TIMEOUT TD_RESP			F	
?OTHERWISE CANCEL			F	
[CCITT_80 OR CCITT_84]				2
?TIMEOUT TO_R3				
?RESTARTC CANCEL TD		STRTC_1	(P)	
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	(P)	
+ASSIGN_DCE (ANY_VC)				
+R1_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+R3_UNEXPECTED				
+R3_UNEXPECTED				

Extended Comments: 1) see ISO 8208 Figure 5-C 2) see CCITT X.25 Table C-2

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Test Case Dynamic Behaviour				
Reference:PACKET/R3/IMPROPER/P04 Identifier:P3_204 Purpose:Verify IUT Restarts a Restart Indication with an assigned LCI not equal to zero, received in state R3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) !RESTART START TD_RESP ?TIMEOUT TD_RESP		STRT_DCE		
!RESTART START TD_RESP ?RESTART [(CAUSE_EQ_0 AND (DIAG0 #OR DIAG32 OR DIAG41)) OR CAUSE_EQ_128] #CANCEL		STRT_NZ(LCI) STRT_1DTEA		1
!RESTARTC		STRTC	(P)	
+R1_POSTAMBLE				
?RESTART !RESTARTC CANCEL		STRT_1DTEA STRTC	I	
?RESTARTC CANCEL ?TIMEOUT TD_RESP ?OTHERWISE CANCEL		STRTC_1	F F F	
+R3_UNEXPECTED				
Extended Comments: 1) no information, not allowed, non-zero lci This test case is not applicable to CCITT X.25 1980 and 1984 IUTs.				

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Test Case Dynamic Behaviour

Reference:PACKET/R3/IMPROPER/P05
Identifier:P3_205
Purpose:Verify the IUT Restarts a Restart Confirmation with an assigned LCI not equal to zero received in state R3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC)				
!RESTART START TD_RESP		STRT_DCE		
?TIMEOUT TD_RESP				
!RESTARTC		STRTC_NZ(LCI)		
START TD_RESP				
?RESTART [(CAUSE_EQ_0 AND (DIAG0 #OR DIAG32 OR DIAG41)) OR CAUSE_EQ_128] #CANCEL		STRT_1DTEA		1
!RESTARTC		STRTC	(P)	
+R1_POSTAMBLE				
?RESTART		STRT_1DTEA		
!RESTARTC CANCEL		STRTC	I	
?RESTARTC CANCEL		STRTC_1	F	
?TIMEOUT TD_RESP			F	
?OTHERWISE CANCEL			F	
+R3_UNEXPECTED				

Extended Comments:

1) no information, not allowed, non-zero lci

This test case is not applicable to CCITT X.25 1980 and 1984 IUTs.

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Test Case Dynamic Behaviour

Reference:PACKET/R3/IMPROPER/P06
Identifier:P3_206
Purpose:Verify the IUT discards a too short Restart Indication received in state R3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC)				
!RESTART START TD_RESP, START TO_R3,		STRT_DCE		
#START TD				
?TIMEOUT TD_RESP				
!RESTART		STRT_NR		
[ISO]				
?TIMEOUT TO_R3				
?RESTARTC CANCEL TD		STRTC_1	(P)	
+R1_POSTAMBLE				
?RESTART CANCEL TD		STRT_1DTEA	(P)	
+R1_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+R3_UNEXPECTED				
[CCITT_80 OR CCITT_84]				
?TIMEOUT TO_R3				
?RESTARTC CANCEL TD		STRTC_1	(P)	
+R1_POSTAMBLE				
?RESTART CANCEL TD		STRT_1DTEA	(P)	1
+R1_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
?RESTART CANCEL		STRT_1DTEA	(P)	1
+R1_POSTAMBLE				
+R3_UNEXPECTED				

Extended Comments: 1) CCITT X.25 1980 and 1984 IUTs may send a Restart

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Test Case Dynamic Behaviour

Reference:PACKET/R3/IMPROPER/P07
Identifier:P3_207
Purpose:Verify the IUT discards a too long Restart Indication received in state R3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC)				
!RESTART START TD_RESP, START TO_R3,		STRT_DCE		
#START TD				
?TIMEOUT TD_RESP				
!RESTART		STRT_LO		
[ISO]				
?TIMEOUT TO_R3				
?RESTARTC CANCEL TD		STRTC_1	(P)	
+R1_POSTAMBLE				
?RESTART CANCEL TD		STRT_1DTEA	(P)	
+R1_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+R3_UNEXPECTED				
[CCITT_80 OR CCITT_84]				
?TIMEOUT TO_R3				
?RESTARTC CANCEL TD		STRTC_1	(P)	
+R1_POSTAMBLE				
?RESTART CANCEL TD		STRT_1DTEA	(P)	1
+R1_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
?RESTART CANCEL		STRT_1DTEA	(P)	1
+R1_POSTAMBLE				
+R3_UNEXPECTED				

Extended Comments: 1) CCITT X.25 1980 and 1984 IUTs may send a Restart

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Test Case Dynamic Behaviour				
Reference:PACKET/R3/IMPROPER/P08 Identifier:P3_208 Purpose:Verify the IUT discards a too long Restart Confirmation received in state R3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) !RESTART START TD_RESP, START TO_R3, #START TD ?TIMEOUT TD_RESP		STRT_DCE		
!RESTARTC [ISO] ?TIMEOUT TO_R3 ?RESTARTC CANCEL TD +R1_POSTAMBLE ?RESTART CANCEL TD +R1_POSTAMBLE ?TIMEOUT TD ?OTHERWISE CANCEL +R3_UNEXPECTED		STRTC_LO STRTC_1 STRT_1DTEA	(P) (P) F F	
[CCITT_80 OR CCITT_84] ?TIMEOUT TO_R3 ?RESTARTC CANCEL TD +R1_POSTAMBLE ?RESTART CANCEL TD +R1_POSTAMBLE ?TIMEOUT TD ?OTHERWISE CANCEL ?RESTART CANCEL +R1_POSTAMBLE		STRTC_1 STRT_1DTEA STRT_1DTEA	(P) (P) F F (P)	 1 1
+R3_UNEXPECTED				
Extended Comments: 1) CCITT X.25 1980 and 1984 IUTs may send a Restart				

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Test Case Dynamic Behaviour

Reference:PACKET/R3/IMPROPER/P10
Identifier:P3_210
Purpose:Verify the IUT discards a Diagnostic packet with an assigned LCI not equal to zero received in state R3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC)				
!RESTART START TD_RESP, START TO_R3, #START TD		STRT_DCE		
?TIMEOUT TD_RESP				
!DIAG		DGN_0(LCI)		
?TIMEOUT TO_R3				
?RESTARTC CANCEL TD		STRTC_1	(P)	
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	(P)	
+R1_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+R3_UNEXPECTED				
+R3_UNEXPECTED				

Extended Comments:

This test case is not applicable to CCITT X.25 1980 and 1984 IUTs.

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Test Case Dynamic Behaviour				
Reference:PACKET/R3/IMPROPER/P11 Identifier:P3_211 Purpose:Verify the IUT discards a too short Diagnostic packet received in state R3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) !RESTART START TD_RESP, START TO_R3, #START TD ?TIMEOUT TD_RESP !DIAG ?TIMEOUT TO_R3 ?RESTARTC CANCEL TD +R1_POSTAMBLE ?RESTART CANCEL +R1_POSTAMBLE ?TIMEOUT TD ?OTHERWISE CANCEL +R3_UNEXPECTED +R3_UNEXPECTED		STRT_DCE DGN_SHT STRTC_1 STRT_1DTEA	(P) (P) F F	
Extended Comments: This test case is not applicable to CCITT X.25 1980 and 1984 IUTs.				

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Test Case Dynamic Behaviour

Reference:PACKET/R3/IMPROPER/P12
Identifier:P3_212
Purpose:Verify the IUT discards a too long Diagnostic packet received in state R3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC)				
!RESTART START TD_RESP, START TO_R3, #START TD		STRT_DCE		
?TIMEOUT TD_RESP				
!DIAG		DGN_L(0,0)		
?TIMEOUT TO_R3				
?RESTARTC CANCEL TD		STRTC_1	(P)	
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	(P)	
+R1_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+R3_UNEXPECTED				
+R3_UNEXPECTED				

Extended Comments:
This test case is not applicable to CCITT X.25 1980 and 1984 IUTs.

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Test Case Dynamic Behaviour				
Reference:PACKET/R3/IMPROPER/P13 Identifier:P3_213 Purpose:Verify the IUT discards a too short packet received in state R3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) !RESTART START TD_RESP, START TO_R3, #START TD ?TIMEOUT TD_RESP !ERROR ?TIMEOUT TO_R3 ?RESTARTC CANCEL TD +R1_POSTAMBLE ?RESTART CANCEL +R1_POSTAMBLE ?TIMEOUT TD ?OTHERWISE CANCEL +R3_UNEXPECTED +R3_UNEXPECTED		STRT_DCE ERR_A STRTC_1 STRT_IDTEA	(P) (P) F F	
Extended Comments:				

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Test Case Dynamic Behaviour

Reference:PACKET/R3/IMPROPER/P14
Identifier:P3_214
Purpose:Verify the IUT discards Restart Indications with an invalid GFI received in state R3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC)				
!RESTART START TD_RESP, START TO_R3,		STRT_DCE		
#START TD				
?TIMEOUT TD_RESP				
!RESTART		STRT_NIL		
?TIMEOUT TO_R3				
?RESTARTC CANCEL TD		STRTC_1		
+R1_POSTAMBLE				
+SUBTREE_BEGIN				
?RESTART CANCEL TD		STRT_1DTEA	I	
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	
+R3_UNEXPECTED				
+R3_UNEXPECTED				
SUBTREE_BEGIN				
[SEQ_MODULO = 8]				
(GF := 2)				
+SUBTREE				
+SUBTREE_1				
[SEQ_MODULO = 128]				
(GF := 1)				
+SUBTREE				
+SUBTREE_1				
SUBTREE_1				1
(GF := 3)			(P)	
REPEAT SUBTREE UNTIL [COUNT = 14]				
+R1_POSTAMBLE				

[3]
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..... Continued from previous page. [0]

Behaviour Description	Label	Constraints Reference	V	Comments
SUBTREE				
!RESTART START TD_RESP, START TO_R3, START #TD		STRT_DCE		
?TIMEOUT TD_RESP				
!RESTART_1 (GFI := GF) (GF := GF + 1)		STRT_UDF		
?TIMEOUT TO_R3				
?RESTARTC CANCEL TD		STRTC_1		
+R1_POSTAMBLE (COUNT := COUNT + 1)				
?RESTART CANCEL TD		STRT_IDTEA	I	
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	
+R3_UNEXPECTED				
+R3_UNEXPECTED				
Extended Comments:				
1) RESTARTs with GFI values 3 to 15 are transmitted.				

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Test Case Dynamic Behaviour

Reference:PACKET/R3/IMPROPER/P15A
Identifier:P3_215A
Purpose:Verify the IUT discards an Incoming Call on an unassigned logical channel received in state R3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC)				1
!RESTART START TD_RESP, START TO_R3, #START TD		STRT_DCE		
?TIMEOUT TD_RESP				
!CALL		CALL_0(LCI)		
?TIMEOUT TO_R3				
?RESTARTC CANCEL TD		STRTC_1	(P)	
+ASSIGN_DCE (ANY_VC)				2
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	(P)	
+ASSIGN_DCE (ANY_VC)				2
+R1_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+R3_UNEXPECTED				
+R3_UNEXPECTED				

Extended Comments:
1) an unassigned logical channel is used
2) get a valid logical channel for use by R1_POSTAMBLE

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Test Case Dynamic Behaviour				
Reference:PACKET/R3/IMPROPER/P15B Identifier:P3_215B Purpose:Verify the IUT discards a Call Connected packet on an unassigned logical channel received in state R3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC) !RESTART START TD_RESP, START TO_R3, #START TD ?TIMEOUT TD_RESP		STRT_DCE		1
!ACCEPT ?TIMEOUT TO_R3 ?RESTARTC CANCEL TD		ANSR_0(LCI) STRTC_1	 (P)	
+ASSIGN_DCE (ANY_VC) +R1_POSTAMBLE				2
?RESTART CANCEL		STRT_1DTEA	(P)	
+ASSIGN_DCE (ANY_VC) +R1_POSTAMBLE				2
?TIMEOUT TD ?OTHERWISE CANCEL			F F	
+R3_UNEXPECTED +R3_UNEXPECTED				
Extended Comments: 1) an unassigned logical channel is used 2) get a valid logical channel for use by R1_POSTAMBLE				

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Test Case Dynamic Behaviour

Reference:PACKET/R3/IMPROPER/P15C
Identifier:P3_215C
Purpose:Verify the IUT discards a Clear Indication on an unassigned logical channel received in state R3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC)				1
!RESTART START TD_RESP, START TO_R3,		STRT_DCE		
#START TD				
?TIMEOUT TD_RESP				
!CLEAR		CLR_0(LCI)		
?TIMEOUT TO_R3				
?RESTARTC CANCEL TD		STRTC_1	(P)	
+ASSIGN_DCE (ANY_VC)				2
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	(P)	
+ASSIGN_DCE (ANY_VC)				2
+R1_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+R3_UNEXPECTED				
+R3_UNEXPECTED				

Extended Comments:
1) an unassigned logical channel is used
2) get a valid logical channel for use by R1_POSTAMBLE

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Test Case Dynamic Behaviour

Reference:PACKET/R3/IMPROPER/P15D
Identifier:P3_215D
Purpose:Verify the IUT discards a Clear Confirmation on an unassigned logical channel received in state R3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC)				
!RESTART START TD_RESP, START TO_R3,		STRT_DCE		
#START TD				
?TIMEOUT TD_RESP				
!CLEARC		CLRC_0(LCI)		
?TIMEOUT TO_R3				
?RESTARTC CANCEL TD		STRTC_1	(P)	
+ASSIGN_DCE (ANY_VC)				2
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	(P)	
+ASSIGN_DCE (ANY_VC)				2
+R1_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+R3_UNEXPECTED				
+R3_UNEXPECTED				

Extended Comments:
1) an unassigned logical channel is used
2) get a valid logical channel for use by R1_POSTAMBLE

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Test Case Dynamic Behaviour

Reference:PACKET/R3/IMPROPER/P15E
Identifier:P3_215E
Purpose:Verify the IUT discards a Data packet on an unassigned logical channel received in state R3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC)				1
!RESTART START TD_RESP, START TO_R3,		STRT_DCE		
#START TD				
?TIMEOUT TD_RESP				
!DATA		D_ONE(LCI)		
?TIMEOUT TO_R3				
?RESTARTC CANCEL TD		STRTC_1	(P)	
+ASSIGN_DCE (ANY_VC)				2
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	(P)	
+ASSIGN_DCE (ANY_VC)				2
+R1_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+R3_UNEXPECTED				
+R3_UNEXPECTED				

Extended Comments:
1) an unassigned logical channel is used
2) get a valid logical channel for use by R1_POSTAMBLE

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Test Case Dynamic Behaviour

Reference:PACKET/R3/IMPROPER/P15F
Identifier:P3_215F
Purpose:Verify the IUT discards an Interrupt on an unassigned logical channel received in state R3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC)				1
!RESTART START TD_RESP, START TO_R3, #START TD		STRT_DCE		
?TIMEOUT TD_RESP				
!INT		INT_0(LCI)		
?TIMEOUT TO_R3				
?RESTARTC CANCEL TD		STRTC_1	(P)	
+ASSIGN_DCE (ANY_VC)				2
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	(P)	
+ASSIGN_DCE (ANY_VC)				2
+R1_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+R3_UNEXPECTED				
+R3_UNEXPECTED				

Extended Comments:
1) an unassigned logical channel is used
2) get a valid logical channel for use by R1_POSTAMBLE

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Test Case Dynamic Behaviour

Reference:PACKET/R3/IMPROPER/P15G
Identifier:P3_215G
Purpose:Verify the IUT discard an Interrupt Confirmation on an unassigned logical channel received in state R3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC)				1
!RESTART START TD_RESP, START TO_R3,		STRT_DCE		
#START TD				
?TIMEOUT TD_RESP				
!INTC		INTC_0(LCI)		
?TIMEOUT TO_R3				
?RESTARTC CANCEL TD		STRTC_1	(P)	
+ASSIGN_DCE (ANY_VC)				2
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	(P)	
+ASSIGN_DCE (ANY_VC)				2
+R1_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+R3_UNEXPECTED				
+R3_UNEXPECTED				

Extended Comments:
1) an unassigned logical channel is used
2) get a valid logical channel for use by R1_POSTAMBLE

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Test Case Dynamic Behaviour				
Reference:PACKET/R3/IMPROPER/P15H Identifier:P3_215H Purpose:Verify the IUT discards a Receive Ready (RR) on an unassigned logical channel received in state R3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC) !RESTART START TD_RESP, START TO_R3, #START TD ?TIMEOUT TD_RESP		STRT_DCE		1
!RR ?TIMEOUT TO_R3 ?RESTARTC CANCEL TD		RR_0(LCI) STRTC_1	(P)	
+ASSIGN_DCE (ANY_VC) +R1_POSTAMBLE				2
?RESTART CANCEL		STRT_1DTEA	(P)	
+ASSIGN_DCE (ANY_VC) +R1_POSTAMBLE				2
?TIMEOUT TD ?OTHERWISE CANCEL			F F	
+R3_UNEXPECTED +R3_UNEXPECTED				
Extended Comments: 1) an unassigned logical channel is used 2) get a valid logical channel for use by R1_POSTAMBLE				

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Test Case Dynamic Behaviour

Reference:PACKET/R3/IMPROPER/P15I
Identifier:P3_215I
Purpose:Verify the IUT discards a Receive Not Ready (RNR) on an unassigned logical channel received in state R3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC)				1
!RESTART START TD_RESP, START TO_R3,		STRT_DCE		
#START TD				
?TIMEOUT TD_RESP				
!RNR		RNR_0(LCI)		
?TIMEOUT TO_R3				
?RESTARTC CANCEL TD		STRTC_1	(P)	
+ASSIGN_DCE (ANY_VC)				2
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	(P)	
+ASSIGN_DCE (ANY_VC)				2
+R1_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+R3_UNEXPECTED				
+R3_UNEXPECTED				

Extended Comments:
1) an unassigned logical channel is used
2) get a valid logical channel for use by R1_POSTAMBLE

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Test Case Dynamic Behaviour

Reference:PACKET/R3/IMPROPER/P15J
Identifier:P3_215J
Purpose:Verify the IUT discards a Reset Indication on an unassigned logical channel received in state R3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC)				1
!RESTART START TD_RESP, START TO_R3,		STRT_DCE		
#START TD				
?TIMEOUT TD_RESP				
!RESET		RST_0 (LCI)		
?TIMEOUT TO_R3				
?RESTARTC CANCEL TD		STRTC_1	(P)	
+ASSIGN_DCE (ANY_VC)				2
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	(P)	
+ASSIGN_DCE (ANY_VC)				2
+R1_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+R3_UNEXPECTED				
+R3_UNEXPECTED				

Extended Comments:
1) an unassigned logical channel is used
2) get a valid logical channel for use by R1_POSTAMBLE

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Test Case Dynamic Behaviour

Reference:PACKET/R3/IMPROPER/P15K
Identifier:P3_215K
Purpose:Verify the IUT discards a Reset Confirmation on an unassigned logical channel received in state R3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC)				1
!RESTART START TD_RESP, START TO_R3,		STRT_DCE		
#START TD				
?TIMEOUT TD_RESP				
!RESETC		RSTC_0(LCI)		
?TIMEOUT TO_R3				
?RESTARTC CANCEL TD		STRTC_1	(P)	
+ASSIGN_DCE (ANY_VC)				2
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	(P)	
+ASSIGN_DCE (ANY_VC)				2
+R1_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+R3_UNEXPECTED				
+R3_UNEXPECTED				

Extended Comments:
1) an unassigned logical channel is used
2) get a valid logical channel for use by R1_POSTAMBLE

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Test Case Dynamic Behaviour

Reference:PACKET/R3/IMPROPER/P15L
Identifier:P3_215L
Purpose:Verify the IUT discards a Reject on an unassigned logical channel received in state R3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC)				1
!RESTART START TD_RESP, START TO_R3,		STRT_DCE		
#START TD				
?TIMEOUT TD_RESP				
!REJ		REJ_0(LCI)		
?TIMEOUT TO_R3				
?RESTARTC CANCEL TD		STRTC_1	(P)	
+ASSIGN_DCE (ANY_VC)				2
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	(P)	
+ASSIGN_DCE (ANY_VC)				2
+R1_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+R3_UNEXPECTED				
+R3_UNEXPECTED				

Extended Comments:
1) an unassigned logical channel is used
2) get a valid logical channel for use by R1_POSTAMBLE

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Test Case Dynamic Behaviour

Reference:PACKET/R3/IMPROPER/P15M
Identifier:P3_215M
Purpose:Verify the IUT discards a Restart on an unassigned logical channel received in state R3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC)				1
!RESTART START TD_RESP, START TO_R3,		STRT_DCE		
#START TD				
?TIMEOUT TD_RESP				
!RESTART		STRT_NZ(LCI)		
?TIMEOUT TO_R3				
?RESTARTC CANCEL TD		STRTC_1	(P)	
+ASSIGN_DCE (ANY_VC)				2
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	(P)	
+ASSIGN_DCE (ANY_VC)				2
+R1_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+R3_UNEXPECTED				
+R3_UNEXPECTED				

Extended Comments:
1) an unassigned logical channel is used
2) get a valid logical channel for use by R1_POSTAMBLE

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Test Case Dynamic Behaviour				
Reference:PACKET/R3/IMPROPER/P15N Identifier:P3_215N Purpose:Verify the IUT discards a Restart Confirmation on an unassigned logical channel received in state R3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (UVC) !RESTART START TD_RESP, START TO_R3, #START TD ?TIMEOUT TD_RESP		STRT_DCE		1
!RESTARTC ?TIMEOUT TO_R3 ?RESTARTC CANCEL TD		STRTC_NZ(LCI) STRTC_1	(P)	
+ASSIGN_DCE (ANY_VC) +R1_POSTAMBLE				2
?RESTART CANCEL		STRT_1DTEA	(P)	
+ASSIGN_DCE (ANY_VC) +R1_POSTAMBLE				2
?TIMEOUT TD ?OTHERWISE CANCEL			F F	
+R3_UNEXPECTED +R3_UNEXPECTED				
Extended Comments: 1) an unassigned logical channel is used 2) get a valid logical channel for use by R1_POSTAMBLE				

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Test Case Dynamic Behaviour

Reference:PACKET/R3/INOPPORTUNE/P01
Identifier:P3_301
Purpose:Verify the IUT discards a Restart Indication received in state R3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC)				
!RESTART START TD_RESP, START TO_R3,		STRT_DCE		
#START TD				
?TIMEOUT TD_RESP				
!RESTART		STRT_DCE		
?TIMEOUT TO_R3				
?RESTARTC CANCEL TD		STRTC_1	(P)	
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	(P)	
+R1_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+R3_UNEXPECTED				
+R3_UNEXPECTED				

Extended Comments:

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Test Case Dynamic Behaviour				
Reference:PACKET/R3/INOPPORTUNE/P02 Identifier:P3_302 Purpose:Verify the IUT Restarts a Restart Confirmation received in state R3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) !RESTART START TD_RESP ?TIMEOUT TD_RESP		STRT_DCE		
!RESTARTC START TD_RESP ?RESTART [(CAUSE_EQ_0 AND (DIAG0 #OR DIAG16 OR DIAG19)) OR CAUSE_EQ_128] #CANCEL		STRTC STRT_1DTEA		invalid for R3
!RESTARTC		STRTC	(P)	
+R1_POSTAMBLE				
?RESTART !RESTARTC CANCEL		STRT_1DTEA STRTC	I	
?RESTARTC CANCEL ?TIMEOUT TD_RESP ?OTHERWISE CANCEL		STRTC_1	F F F	
+R3_UNEXPECTED				
Extended Comments:				

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Test Case Dynamic Behaviour

Reference:PACKET/R3/INOPPORTUNE/P03A
Identifier:P3_303A
Purpose:Verify the IUT Restarts an Incoming Call received in state R3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) !RESTART START TD_RESP, START TO_R3, #START TD		STRT_DCE		
?TIMEOUT TD_RESP				
!CALL		CALL_0(LCI)		
[ISO] START TD_RESP, CANCEL TO_R3, #CANCEL TD				
?RESTART [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG16 OR DIAG19)) OR #CAUSE_EQ_128] CANCEL		STRT_1DTEA		1
!RESTARTC		STRTC	(P)	
+R1_POSTAMBLE				
?RESTART		STRT_1DTEA	I	
?RESTARTC CANCEL		STRTC_1	F	
?TIMEOUT TD_RESP			F	
?OTHERWISE CANCEL			F	
[CCITT_80 OR CCITT_84] ?TIMEOUT TO_R3				
?RESTARTC CANCEL TD		STRTC_1	(P)	2
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	(P)	
+R1_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+R3_UNEXPECTED				
+R3_UNEXPECTED				

Extended Comments: 1) ISO 8208 IUTs must send a Restart
2) CCITT X.25 1980 and 1984 IUTs may discard the inopportune packet

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Test Case Dynamic Behaviour

Reference:PACKET/R3/INOPPORTUNE/P03B
Identifier:P3_303B
Purpose:Verify the IUT Restarts a Call Connected packet received in state R3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC)				
!RESTART START TO_R3, START TD		STRT_DCE		
?TIMEOUT TD				
!ACCEPT		ANSR_0(LCI)		
[ISO]				
START TD_RESP, CANCEL TO_R3, #CANCEL TD				
?RESTART [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG16 OR DIAG19)) OR #CAUSE_EQ_128] CANCEL		STRT_1DTEA		1
!RESTARTC		STRTC	(P)	
+R1_POSTAMBLE				
?RESTART		STRT_1DTEA	I	
?RESTARTC CANCEL		STRTC_1	F	
?TIMEOUT TD_RESP			F	
?OTHERWISE CANCEL			F	
[CCITT_80 OR CCITT_84]				
?TIMEOUT TO_R3				
?RESTARTC CANCEL TD		STRTC_1	(P)	2
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	(P)	
+R1_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+R3_UNEXPECTED				
+R3_UNEXPECTED				

Extended Comments: 1) ISO 8208 IUTs must send a Restart
2) CCITT X.25 1980 and 1984 IUTs may discard the inopportune packet

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Test Case Dynamic Behaviour				
Reference:PACKET/R3/INOPPORTUNE/P03C Identifier:P3_303C Purpose:Verify the IUT Restarts a Clear Indication received in state R3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) !RESTART START TO_R3, START TD ?TIMEOUT TD		STRT_DCE		
!CLEAR [ISO] START TD_RESP, CANCEL TO_R3, #CANCEL TD		CLR_0(LCI)		
?RESTART [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG16 OR DIAG19)) OR #CAUSE_EQ_128] CANCEL		STRT_1DTEA		1
!RESTARTC		STRTC	(P)	
+R1_POSTAMBLE				
?RESTART		STRT_1DTEA	I	
?RESTARTC CANCEL		STRTC_1	F	
?TIMEOUT TD_RESP			F	
?OTHERWISE CANCEL			F	
[CCITT_80 OR CCITT_84] ?TIMEOUT TO_R3 ?RESTARTC CANCEL TD		STRTC_1	(P)	2
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	(P)	
+R1_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+R3_UNEXPECTED				
+R3_UNEXPECTED				
Extended Comments: 1) ISO 8208 IUTs must send a Restart 2) CCITT X.25 1980 and 1984 IUTs may discard the inopportune packet				

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Test Case Dynamic Behaviour				
Reference:PACKET/R3/INOPPORTUNE/P03D Identifier:P3_303D Purpose:Verify the IUT Restarts a Clear Confirmation received in state R3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) !RESTART START TO_R3, START TD ?TIMEOUT TD		STRT_DCE		
!CLEARC [ISO] START TD_RESP, CANCEL TO_R3, #CANCEL TD		CLRC_0(LCI)		
?RESTART [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG16 OR DIAG19)) OR #CAUSE_EQ_128] CANCEL		STRT_1DTEA		1
!RESTARTC		STRTC	(P)	
+R1_POSTAMBLE				
?RESTART		STRT_1DTEA	I	
?RESTARTC CANCEL		STRTC_1	F	
?TIMEOUT TD_RESP			F	
?OTHERWISE CANCEL			F	
[CCITT_80 OR CCITT_84] ?TIMEOUT TO_R3				
?RESTARTC CANCEL TD		STRTC_1	(P)	2
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	(P)	
+R1_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+R3_UNEXPECTED				
+R3_UNEXPECTED				
Extended Comments: 1) ISO 8208 IUTs must send a Restart 2) CCITT X.25 1980 and 1984 IUTs may discard the inopportune packet				

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Test Case Dynamic Behaviour

Reference:PACKET/R3/INOPPORTUNE/P03E
Identifier:P3_303E
Purpose:Verify the IUT Restarts a Data packet received in state R3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC)				
!RESTART START TO_R3, START TD		STRT_DCE		
?TIMEOUT TD				
!DATA		D_ONE(LCI)		
[ISO]				
START TD_RESP, CANCEL TO_R3, #CANCEL TD				
?RESTART [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG16 OR DIAG19)) OR #CAUSE_EQ_128] CANCEL		STRT_1DTEA		1
!RESTARTC		STRTC	(P)	
+R1_POSTAMBLE				
?RESTART		STRT_1DTEA	I	
?RESTARTC CANCEL		STRTC_1	F	
?TIMEOUT TD_RESP			F	
?OTHERWISE CANCEL			F	
[CCITT_80 OR CCITT_84]				
?TIMEOUT TO_R3				
?RESTARTC CANCEL TD		STRTC_1	(P)	2
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	(P)	
+R1_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+R3_UNEXPECTED				
+R3_UNEXPECTED				

Extended Comments: 1) ISO 8208 IUTs must send a Restart
2) CCITT X.25 1980 and 1984 IUTs may discard the inopportune packet

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Test Case Dynamic Behaviour				
Reference:PACKET/R3/INOPPORTUNE/P03F Identifier:P3_303F Purpose:Verify the IUT Restarts an Interrupt packet received in state R3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) !RESTART START TO_R3, START TD ?TIMEOUT TD		STRT_DCE		
!INT [ISO] START TD_RESP, CANCEL TO_R3, #CANCEL TD		INT_0(LCI)		
?RESTART [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG16 OR DIAG19)) OR #CAUSE_EQ_128] CANCEL		STRT_1DTEA		1
!RESTARTC		STRTC	(P)	
+R1_POSTAMBLE				
?RESTART		STRT_1DTEA	I	
?RESTARTC CANCEL		STRTC_1	F	
?TIMEOUT TD_RESP			F	
?OTHERWISE CANCEL			F	
[CCITT_80 OR CCITT_84] ?TIMEOUT TO_R3				
?RESTARTC CANCEL TD		STRTC_1	(P)	2
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	(P)	
+R1_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+R3_UNEXPECTED				
+R3_UNEXPECTED				
Extended Comments: 1) ISO 8208 IUTs must send a Restart 2) CCITT X.25 1980 and 1984 IUTs may discard the inopportune packet				

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Test Case Dynamic Behaviour

Reference:PACKET/R3/INOPPORTUNE/P03G
Identifier:P3_303G
Purpose:Verify the IUT Restarts an Interrupt Confirmation received in state R3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) !RESTART START TO_R3, START TD ?TIMEOUT TD		STRT_DCE		1
!INTC [ISO] START TD_RESP, CANCEL TO_R3, #CANCEL TD		INTC_0(LCI)		
?RESTART [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG16 OR DIAG19)) OR #CAUSE_EQ_128] CANCEL		STRT_1DTEA		2
!RESTARTC		STRTC	(P)	
+R1_POSTAMBLE				
?RESTART		STRT_1DTEA	I	
?RESTARTC CANCEL ?TIMEOUT TD_RESP ?OTHERWISE CANCEL		STRTC_1	F F F	
[CCITT_80 OR CCITT_84] ?TIMEOUT TO_R3 ?RESTARTC CANCEL TD		STRTC_1	(P)	3
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	(P)	
+R1_POSTAMBLE				
?TIMEOUT TD ?OTHERWISE CANCEL			F F	
+R3_UNEXPECTED				
+R3_UNEXPECTED				

Extended Comments: 1) a valid Logical Channel is used.
2) ISO 8208 IUTs must send a Restart
3) CCITT X.25 1980 and 1984 IUTs may discard the inopportune packet, in this case a Restart Confirmation is still expected in response to the Restart Request.

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Test Case Dynamic Behaviour

Reference:PACKET/R3/INOPPORTUNE/P03H
Identifier:P3_303H
Purpose:Verify the IUT Restarts a Receive Ready (RR) packet received in state R3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC)				
!RESTART START TO_R3, START TD		STRT_DCE		
?TIMEOUT TD				
!RR		RR_0(LCI)		
[ISO]				
START TD_RESP, CANCEL TO_R3, #CANCEL TD				
?RESTART [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG16 OR DIAG19)) OR #CAUSE_EQ_128] CANCEL		STRT_1DTEA		1
!RESTARTC		STRTC	(P)	
+R1_POSTAMBLE				
?RESTART		STRT_1DTEA	I	
?RESTARTC CANCEL		STRTC_1	F	
?TIMEOUT TD_RESP			F	
?OTHERWISE CANCEL			F	
[CCITT_80 OR CCITT_84]				
?TIMEOUT TO_R3				
?RESTARTC CANCEL TD		STRTC_1	(P)	2
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	(P)	
+R1_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+R3_UNEXPECTED				
+R3_UNEXPECTED				

Extended Comments: 1) ISO 8208 IUTs must send a Restart
2) CCITT X.25 1980 and 1984 IUTs may discard the inopportune packet

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Test Case Dynamic Behaviour

Reference:PACKET/R3/INOPPORTUNE/P03I
Identifier:P3_303I
Purpose:Verify the IUT Restarts a Receive Not Ready (RNR) packet
received in state R3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC)				
!RESTART START TO_R3, START TD		STRT_DCE		
?TIMEOUT TD				
!RNR		RNR_0(LCI)		
[ISO]				
START TD_RESP, CANCEL TO_R3, #CANCEL TD				
?RESTART [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG16 OR DIAG19)) OR #CAUSE_EQ_128] CANCEL		STRT_1DTEA		1
!RESTARTC		STRTC	(P)	
+R1_POSTAMBLE				
?RESTART		STRT_1DTEA	I	
?RESTARTC CANCEL		STRTC_1	F	
?TIMEOUT TD_RESP			F	
?OTHERWISE CANCEL			F	
[CCITT_80 OR CCITT_84]				
?TIMEOUT TO_R3				
?RESTARTC CANCEL TD		STRTC_1	(P)	2
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	(P)	
+R1_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+R3_UNEXPECTED				
+R3_UNEXPECTED				

Extended Comments: 1) ISO 8208 IUTs must send a Restart
2) CCITT X.25 1980 and 1984 IUTs may discard the inopportune packet

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Test Case Dynamic Behaviour				
Reference:PACKET/R3/INOPPORTUNE/P03J Identifier:P3_303J Purpose:Verify the IUT Restarts a Reset Indication received in state R3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) !RESTART START TO_R3, START TD ?TIMEOUT TD		STRT_DCE		
!RESET [ISO] START TD_RESP, CANCEL TO_R3, #CANCEL TD		RST_0(LCI)		
?RESTART [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG16 OR DIAG19)) OR #CAUSE_EQ_128] CANCEL		STRT_1DTEA		1
!RESTARTC		STRTC	(P)	
+R1_POSTAMBLE				
?RESTART		STRT_1DTEA	I	
?RESTARTC CANCEL ?TIMEOUT TD_RESP ?OTHERWISE CANCEL		STRTC_1	F F F	
[CCITT_80 OR CCITT_84] ?TIMEOUT TO_R3 ?RESTARTC CANCEL TD		STRTC_1	(P)	2
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	(P)	
+R1_POSTAMBLE				
?TIMEOUT TD ?OTHERWISE CANCEL +R3_UNEXPECTED			F F	
+R3_UNEXPECTED				
Extended Comments: 1) ISO 8208 IUTs must send a Restart 2) CCITT X.25 1980 and 1984 IUTs may discard the inopportune packet				

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Test Case Dynamic Behaviour				
Reference:PACKET/R3/INOPPORTUNE/P03K Identifier:P3_303K Purpose:Verify the IUT Restarts a Reset Confirmation received in state R3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) !RESTART START TO_R3, START TD ?TIMEOUT TD		STRT_DCE		
!RESETC [ISO] START TD_RESP, CANCEL TO_R3, #CANCEL TD		RSTC_0(LCI)		
?RESTART [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG16 OR DIAG19)) OR #CAUSE_EQ_128] CANCEL		STRT_1DTEA		1
!RESTARTC		STRTC	(P)	
+R1_POSTAMBLE				
?RESTART		STRT_1DTEA	I	
?RESTARTC CANCEL ?TIMEOUT TD_RESP ?OTHERWISE CANCEL		STRTC_1	F F F	
[CCITT_80 OR CCITT_84] ?TIMEOUT TO_R3 ?RESTARTC CANCEL TD		STRTC_1	(P)	2
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	(P)	
+R1_POSTAMBLE				
?TIMEOUT TD ?OTHERWISE CANCEL +R3_UNEXPECTED			F F	
+R3_UNEXPECTED				
Extended Comments: 1) ISO 8208 IUTs must send a Restart 2) CCITT X.25 1980 and 1984 IUTs may discard the inopportune packet				

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Test Case Dynamic Behaviour

Reference:PACKET/R3/INOPPORTUNE/P03L
Identifier:P3_303L
Purpose:Verify the IUT Restarts a Reject packet received in state R3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC)				
!RESTART START TO_R3, START TD		STRT_DCE		
?TIMEOUT TD				
!REJ		REJ_0(LCI)		
[ISO]				
START TD_RESP, CANCEL TO_R3, #CANCEL TD				
?RESTART [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG16 OR DIAG19)) OR #CAUSE_EQ_128] CANCEL		STRT_1DTEA		1
!RESTARTC		STRTC	(P)	
+R1_POSTAMBLE				
?RESTART		STRT_1DTEA	I	
?RESTARTC CANCEL		STRTC_1	F	
?TIMEOUT TD_RESP			F	
?OTHERWISE CANCEL			F	
[CCITT_80 OR CCITT_84]				
?TIMEOUT TO_R3				
?RESTARTC CANCEL TD		STRTC_1	(P)	2
+R1_POSTAMBLE				
?RESTART CANCEL		STRT_1DTEA	(P)	
+R1_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+R3_UNEXPECTED				
+R3_UNEXPECTED				

Extended Comments: 1) ISO 8208 IUTs must send a Restart
2) CCITT x.25 1980 and 1984 IUTs may discard the inopportune packet

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Packet Layer Group 4: State P1 Ready

PLG 4 contains the test cases for the Setup and Clearing STATE p1, and does not include specific tests for optional facilities. This packet layer test group is not applicable when testing Permanent Virtual Circuits.

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Test Case Dynamic Behaviour				
Reference:PACKET/P1/PROPER/P01 Identifier:P4_101 Purpose:Verify the IUT accepts a valid Incoming Call received in state P1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(TVC_OR_IVC) !CALL START TD ?ACCEPT CANCEL TD +P4_POSTAMBLE ?TIMEOUT TD ?OTHERWISE CANCEL TD		 CALL_0(LCI) ANSR_1(LCI)	 (P) F F	

Test Case Dynamic Behaviour				
Reference:PACKET/P1/PROPER/P03 Identifier:P4_103 Purpose:Verify that the IUT confirms a CLEAR with cause '01'H received in state P1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(TVC_OR_IVC) !CLEAR START TD ?CLEARC CANCEL +R1_POSTAMBLE ?CLEAR CANCEL +R1_POSTAMBLE ?RESTART [RST_ON_ERR_C] CANCEL !RESTARTC +R1_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL		 CLR_C01(LCI) CLRC_1(LCI) CLR_1(LCI) STRT_1DTEA STRTC 	 (P) (P) (P) F F	 1
Extended Comments:1) clear collision				

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Test Case Dynamic Behaviour				
Reference:PACKET/P1/PROPER/P04 Identifier:P4_104 Purpose:Verify that the IUT confirms a CLEAR with cause '05'H received in state P1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(TVC_OR_IVC)				
!CLEAR START TD		CLR_C05(LCI)		
?CLEARC CANCEL		CLRC_1(LCI)	(P)	
+R1_POSTAMBLE				
?CLEAR CANCEL		CLR_1(LCI)	(P)	1
+R1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] CANCEL		STRT_1DTEA	(P)	
!RESTARTC		STRTC		
+R1_POSTAMBLE				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
Extended Comments:1) clear collision				

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Test Case Dynamic Behaviour				
Reference:PACKET/P1/PROPER/P05 Identifier:P4_105 Purpose:Verify that the IUT confirms a Clear with cause '11'H received in state P1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(TVC_OR_IVC) !CLEAR START TD ?CLEARC CANCEL +R1_POSTAMBLE ?CLEAR CANCEL +R1_POSTAMBLE ?RESTART [RST_ON_ERR_C] CANCEL !RESTARTC +R1_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL		CLR_C11(LCI) CLRC_1(LCI) CLR_1(LCI) STRT_IDTEA STRTC	(P) (P) (P) F F	1
Extended Comments:1) clear collision				

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Test Case Dynamic Behaviour				
Reference:PACKET/P1/PROPER/P06 Identifier:P4_106 Purpose:Verify that the IUT confirms a Clear with cause '13'H received in state P1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(TVC_OR_IVC)				
!CLEAR START TD		CLR_C13(LCI)		
?CLEARC CANCEL		CLRC_1(LCI)	(P)	
+R1_POSTAMBLE				
?CLEAR CANCEL		CLR_1(LCI)	(P)	1
+R1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] CANCEL		STRT_1DTEA	(P)	
!RESTARTC		STRTC		
+R1_POSTAMBLE				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
Extended Comments:1) clear collision				

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Test Case Dynamic Behaviour				
Reference:PACKET/P1/PROPER/P07 Identifier:P4_107 Purpose:Verify the IUT confirms a Clear with cause '21'H received in state P1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(TVC_OR_IVC) !CLEAR START TD ?CLEARC CANCEL +R1_POSTAMBLE ?CLEAR CANCEL +R1_POSTAMBLE ?RESTART [RST_ON_ERR_C] CANCEL !RESTARTC +R1_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL		CLR_C21(LCI) CLRC_1(LCI) CLR_1(LCI) STRT_1DTEA STRTC	(P) (P) (P) F F	1
Extended Comments:1) clear collision				

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Test Case Dynamic Behaviour				
Reference:PACKET/P1/IMPROPER/P01 Identifier:P4_201 Purpose:Verify the IUT clears a packet of length two octets received in state P1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(TVC_OR_IVC) !ERROR START TD ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG33 OR DIAG38)) OR #CAUSE_EQ_128] CANCEL +GEN1_POSTAMBLE ?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG33 OR DIAG38)) #OR CAUSE_EQ_128] CANCEL +GEN2_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		ERR_SHT(LCI) CLR_1(LCI) STRT_IDTEA	 (P) (P) F F	
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/P1/IMPROPER/P02 Identifier:P4_202 Purpose:Verify that the IUT clears a packet of unidentified type in state P1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(TVC_OR_IVC) !ERROR START TD ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG33)) OR CAUSE_EQ_128] CANCEL +GEN1_POSTAMBLE ?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG33)) OR #CAUSE_EQ_128] CANCEL +GEN2_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		ERR_B(LCI) CLR_1(LCI) STRT_1DTEA	(P) (P) F F	
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/P1/IMPROPER/P03 Identifier:P4_203 Purpose:Verify that the IUT clears a Restart packet with an assigned LCI not equal to zero received in state P1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(TVC_OR_IVC) !RESTART START TD ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG41)) OR CAUSE_EQ_128] CANCEL +GEN1_POSTAMBLE ?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG41)) OR #CAUSE_EQ_128] CANCEL +GEN2_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		STRT_NZ(LCI) CLR_1(LCI) STRT_1DTEA	(P) (P) F F	
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/P1/IMPROPER/P04 Identifier:P4_204 Purpose:Verify that the IUT clears a Restart Confirm packet received on an assigned LCI not equal to zero while in state P1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(TVC_OR_IVC) !RESTARTC START TD ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG41)) OR CAUSE_EQ_128] CANCEL +GEN1_POSTAMBLE ?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG41)) OR #CAUSE_EQ_128] CANCEL +GEN2_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		STRTC_NZ(LCI) CLR_1(LCI) STRT_1DTEA	(P) (P) F F	
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/P1/IMPROPER/P05 Identifier:P4_205 Purpose:Verify that the IUT clears a too short Incoming Call packet received in state P1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC) !CALL START TD ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG38)) OR CAUSE_EQ_128] CANCEL #TD +GEN1_POSTAMBLE ?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG38)) OR #CAUSE_EQ_128] CANCEL TD +GEN2_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		CALL_SHT(LCI) CLR_1(LCI) STRT_1DTEA	(P) (P) F F	
Extended Comments:				

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Test Case Dynamic Behaviour

Reference:PACKET/P1/IMPROPER/P06
Identifier:P4_206
Purpose:Verify the IUT clears a too long Incoming Call packet (user data field of 17 or 129 octets) while in state P1
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC)				
[FAST_SELECT = TRUE] !CALL START TD # +SUBTREE		CALL_U129 (LCI)		1
[FAST_SELECT = FALSE] !CALL START TD +SUBTREE		CALL_U17(LCI)		1
SUBTREE				
?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR DIAG32 #OR DIAG39)) OR CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG32 OR DIAG39)) OR #CAUSE_EQ_128] CANCEL TD		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
+RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	

Extended Comments:
1) if Fast Select is supported and in use then send 129 octets of user data, otherwise send 17 octets.

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Test Case Dynamic Behaviour

Reference:PACKET/P1/IMPROPER/P07
Identifier:P4_207
Purpose:Verify the IUT clears a too long Call Connected packet (user data field of 1 or 129 octets) while in state P1
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC)				
[FAST_SELECT = TRUE] !ACCEPT START TD # +SUBTREE		ANSR_0U129 (LCI)		1
[FAST_SELECT = FALSE] !ACCEPT START TD +SUBTREE		ANSR_0U1 (LCI)		1
SUBTREE				
?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR DIAG16 #OR DIAG20 OR DIAG32 OR DIAG39)) OR #CAUSE_EQ_128] CANCEL		CLR_1 (LCI)	(P)	
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG16 OR DIAG20 OR DIAG32 OR #DIAG39)) OR CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
+RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	

Extended Comments:

1) if Fast Select is supported and in use then send 129 octets of user data, otherwise send 1 octet of user data.

NOTE Two kind of errors here, invalid packet for P1 or a format error too long

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Test Case Dynamic Behaviour				
Reference:PACKET/P1/IMPROPER/P08 Identifier:P4_208 Purpose:Verify the IUT clears a too short Clear Indication packet (no cause code or diagnostic code fields) while in state P1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(TVC_OR_IVC) !CLEAR START TD ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG16 OR DIAG20 OR DIAG32 OR DIAG38)) OR #CAUSE_EQ_128] CANCEL +GEN1_POSTAMBLE ?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG16 OR DIAG20 OR DIAG32 #OR DIAG38)) OR CAUSE_EQ_128] CANCEL +GEN2_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		CLR_SHT(LCI) CLR_1(LCI) STRT_IDTEA	 (P) (P) F F	
Extended Comments:				

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Test Case Dynamic Behaviour

Reference:PACKET/P1/IMPROPER/P09
Identifier:P4_209
Purpose:Verify that the IUT clears a too long Clear Indication packet while in state P1.
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(TVC_OR_IVC)				
!CLEAR START TD		CLR_LNG(LCI)		
?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG39 OR DIAG42)) OR #CAUSE_EQ_128] CANCEL TD		CLR_1(LCI)	(P)	
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG39 OR DIAG42)) #OR CAUSE_EQ_128] CANCEL TD		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	

Extended Comments:

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Test Case Dynamic Behaviour				
Reference:PACKET/P1/IMPROPER/P10 Identifier:P4_210 Purpose:Verify that the IUT clears a too long Clear Confirmation packet (110 octets appended to the end of the packet) while in P1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(TVC_OR_IVC) !CLEARC START TD # ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG16 OR DIAG20 OR DIAG32 OR DIAG39 OR #DIAG42)) OR CAUSE_EQ_128] CANCEL TD +GEN1_POSTAMBLE ?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG16 OR DIAG20 OR DIAG32 #OR DIAG39 OR DIAG42)) OR CAUSE_EQ_128] #CANCEL TD +GEN2_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		CLRC_U110 (LCI) CLR_1(LCI) STRT_1DTEA	(P) (P) F F	
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/P1/INOPPORTUNE/P01 Identifier:P4_301 Purpose:Verify the IUT clears a Call Connected packet received in state P1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(TVC_OR_IVC) !ACCEPT START TD +P1_INOPP +R1_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		ANSR_0(LCI)	(P) F F	
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/P1/INOPPORTUNE/P02 Identifier:P4_302 Purpose:Verify the IUT clears a Clear Confirm packet received in state P1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(TVC_OR_IVC) !CLEARC START TD +P1_INOPP +R1_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		CLRC_0(LCI)	(P) F F	
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/P1/INOPPORTUNE/P05 Identifier:P4_305 Purpose:Verify the IUT clears a Interrupt Confirmation packet received in state P1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(TVC_OR_IVC) !INTC START TD +P1_INOPP +R1_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		INTC_0(LCI)	(P) F F	
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/P1/INOPPORTUNE/P06 Identifier:P4_306 Purpose:Verify the IUT clears an RR packet received in state P1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(TVC_OR_IVC) !RR START TD +P1_INOPP +R1_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		RR_0(LCI)	(P) F F	
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/P1/INOPPORTUNE/P07 Identifier:P4_307 Purpose:Verify the IUT clears an RNR packet received in state P1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(TVC_OR_IVC) !RNR START TD +P1_INOPP +R1_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		RNR_0(LCI)	(P) F F	
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/P1/INOPPORTUNE/P08 Identifier:P4_308 Purpose:Verify the IUT clears a Reset packet received in state P1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(TVC_OR_IVC) !RESET START TD +P1_INOPP +R1_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		RST_0(LCI)	(P) F F	
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/P1/INOPPORTUNE/P09 Identifier:P4_309 Purpose:Verify the IUT clears a Reset Confirmation packet received in state P1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(TVC_OR_IVC) !RESETC START TD +P1_INOPP +R1_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		RSTC_0(LCI)	(P) F F	
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/P1/INOPPORTUNE/P10 Identifier:P4_310 Purpose:Verify the IUT clears an Interrupt packet received in state P1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(TVC_OR_IVC) !INT START TD +P1_INOPP +R1_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		INT_0(LCI)	(P) F F	
Extended Comments:				

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Packet Layer Group 5: State P2 DTE Call Request

PLG 5 contains the test cases for the Setup and Clearing STATE p2, and does not include specific tests for optional facilities. This packet layer test group is not applicable when testing Permanent Virtual Circuits or those IUTs supporting Incoming Calls only.

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Test Case Dynamic Behaviour				
Reference:PACKET/P2/PROPER/P01 Identifier:P5_101 Purpose:Verify the IUT correctly handles an Incoming Call received in state P2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC) +P2_PREAMBLE !CALL START TD ?TIMEOUT TD +P2_POSTAMBLE ?OTHERWISE CANCEL TD		CALL_0(LCI)	(P) F	no response
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/P2/PROPER/P03 Identifier:P5_103 Purpose:Verify the IUT accepts a Call Connected packet while in P2. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(NO_LC) +P2_PREAMBLE !ACCEPT +P4_POSTAMBLE		ANSR_0(LCI)	(P)	
Extended Comments:				

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Test Case Dynamic Behaviour

Reference:PACKET/P2/PROPER/P04
Identifier:P5_104
Purpose:Verify the IUT confirms a Clear with cause code of '01'H received in state P2
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC) +P2_PREAMBLE				
!CLEAR START TD ?CLEARC CANCEL TD		CLR_C01(LCI) CLRC_1(LCI)	(P)	1
+R1_POSTAMBLE				
?CLEAR CANCEL TD		CLR_1(LCI)	(P)	
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] CANCEL TD		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
+RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	2

Extended Comments:

1) clear the call
2) no response

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Test Case Dynamic Behaviour				
Reference:PACKET/P2/PROPER/P05 Identifier:P5_105 Purpose:Verify the IUT confirms a Clear with cause code of '05'H received in state P2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC) +P2_PREAMBLE				
!CLEAR START TD ?CLEARC CANCEL TD		CLR_C05(LCI) CLRC_1(LCI)	(P)	1
+R1_POSTAMBLE				
?CLEAR CANCEL TD		CLR_1(LCI)	(P)	
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] CANCEL TD		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
+RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	2
Extended Comments: 1) clear the call 2) no response				

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Test Case Dynamic Behaviour				
Reference:PACKET/P2/PROPER/P06 Identifier:P5_106 Purpose:Verify the IUT confirms a Clear with cause code of '11'H received in state P2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC) +P2_PREAMBLE				
!CLEAR START TD ?CLEARC CANCEL TD		CLR_C11(LCI) CLRC_1(LCI)	(P)	
+R1_POSTAMBLE				
?CLEAR CANCEL TD		CLR_1(LCI)	(P)	
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] CANCEL TD		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
+RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	no response
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/P2/PROPER/P07 Identifier:P5_107 Purpose:Verify the IUT confirms a Clear with cause code of '13'H received in state P2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC) +P2_PREAMBLE				
!CLEAR START TD ?CLEARC CANCEL TD		CLR_C13(LCI) CLRC_1(LCI)	(P)	
+R1_POSTAMBLE				
?CLEAR CANCEL TD		CLR_1(LCI)	(P)	
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] CANCEL TD		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
+RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	no response
Extended Comments:				

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Test Case Dynamic Behaviour

Reference:PACKET/P2/PROPER/P08
Identifier:P5_108
Purpose:Verify the IUT confirms a Clear with cause code of '21'H received in state P2
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(NO_LC)				
+P2_PREAMBLE				
!CLEAR START TD		CLR_C21(LCI)		
?CLEARC CANCEL TD		CLRC_1(LCI)	(P)	
+R1_POSTAMBLE				
?CLEAR CANCEL TD		CLR_1(LCI)	(P)	
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] CANCEL TD		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	no response
?OTHERWISE CANCEL TD			F	

Extended Comments:

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Test Case Dynamic Behaviour				
Reference:PACKET/P2/IMPROPER/P01 Identifier:P5_201 Purpose:Verify the IUT clears a packet of length two octets received in state P2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC) +P2_PREAMBLE !ERROR START TD ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG33 OR DIAG38)) OR #CAUSE_EQ_128] CANCEL TD !CLEARC +R1_POSTAMBLE ?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG38)) OR #CAUSE_EQ_128] CANCEL TD !RESTARTC +R1_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		ERR_SHT(LCI) CLR_1(LCI) CLRC_0(LCI) STRT_1DTEA STRTC	(P) (P) F F	1
Extended Comments: 1) no response				

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Test Case Dynamic Behaviour

Reference:PACKET/P2/IMPROPER/P02
Identifier:P5_202
Purpose:Verify the IUT clears a packet with an undefined PTI field received in state P2
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC) +P2_PREAMBLE				
!ERROR START TD ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG33)) OR CAUSE_EQ_128] CANCEL #TD		ERR_B(LCI) CLR_1(LCI)	(P)	
!CLEARC +R1_POSTAMBLE		CLRC_0(LCI)		
?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG33)) OR #CAUSE_EQ_128] CANCEL TD		STRT_1DTEA	(P)	
!RESTARTC +R1_POSTAMBLE		STRTC		
+RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	1

Extended Comments:

1) no response

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Test Case Dynamic Behaviour				
Reference:PACKET/P2/IMPROPER/P03 Identifier:P5_203 Purpose:Verify the IUT Clears a Restart Indication with LCI<>0 received in state P2 Default:				
Behaviour Description	**Label**	**Constraints Reference**	**V**	**Comments**
+P1_PREAMBLE (NO_LC) +P2_PREAMBLE				
!RESTART START TD ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG41)) OR CAUSE_EQ_128] CANCEL #TD		STRT_NZ(LCI) CLR_1(LCI)	(P)	1
!CLEARC +R1_POSTAMBLE		CLRC_0(LCI)		
?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG41)) OR #CAUSE_EQ_128] CANCEL TD		STRT_1DTEA	(P)	
!RESTARTC +R1_POSTAMBLE		STRTC		
+RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	2
Extended Comments: 1) bad restart 2) no response				

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Test Case Dynamic Behaviour

Reference:PACKET/P2/IMPROPER/P04
Identifier:P5_204
Purpose:Verify the IUT clears a Restart Confirmation with LCI<>0 received in state P2
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(NO_LC) +P2_PREAMBLE				
!RESTARTC START TD ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG41)) OR CAUSE_EQ_128] CANCEL #TD		STRTC_NZ(LCI) CLR_1(LCI)	(P)	
!CLEARC +R1_POSTAMBLE		CLRC_0(LCI)		
?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG41)) OR #CAUSE_EQ_128] CANCEL TD		STRT_1DTEA	(P)	
!RESTARTC +R1_POSTAMBLE		STRTC		
+RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	no response

Extended Comments:

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Test Case Dynamic Behaviour

Reference:PACKET/P2/IMPROPER/P05
Identifier:P5_205
Purpose:Verify the IUT clears or discards a too short Incoming Call
received in state P2
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(NO_LC) +P2_PREAMBLE				
!CALL START TD ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG38)) OR CAUSE_EQ_128] CANCEL #TD		CALL_SHT(LCI) CLR_1(LCI)	 (P)	
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG38)) OR #CAUSE_EQ_128] CANCEL TD		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
?TIMEOUT TD !CLEAR START TD		 CLR_0(LCI)		1
?CLEARC CANCEL TD		CLRC_1(LCI)	(P)	
+R1_POSTAMBLE				
+RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD			 F F	 1
+RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD			 F	

Extended Comments:

1) no response

NOTE: This test case uses an improperly formatted Incoming Call packet to create a Call Collision.

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Test Case Dynamic Behaviour

Reference:PACKET/P2/IMPROPER/P06
Identifier:P5_206
Purpose:Verify the IUT clears or discards a too long Incoming Call packet (user data field of 17 or 129 octets) received in state P2
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(NO_LC) +P2_PREAMBLE				
[FAST_SELECT = TRUE] !CALL START TD # +SUBTREE		CALL_U129 (LCI)		1
[FAST_SELECT = FALSE] !CALL START TD +SUBTREE		CALL_U17(LCI)		1
SUBTREE				
?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR DIAG32 #OR DIAG39)) OR CAUSE_EQ_128] CANCEL TD		CLR_1(LCI)	(P)	
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG32 OR DIAG39)) OR #CAUSE_EQ_128] CANCEL TD		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
?TIMEOUT TD !CLEAR START TD		CLR_0(LCI)		2
?CLEARC CANCEL TD +R1_POSTAMBLE		CLRC_1(LCI)	(P)	
+RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	2
+RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD			F	

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Extended Comments:

1) if Fast Select is supported and in use then send 129 octets of user data, otherwise send 17 octets.

2) no response

NOTE: This test case uses an improperly formatted Incoming Call packet to create a call collision.

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Test Case Dynamic Behaviour

Reference:PACKET/P2/IMPROPER/P07
Identifier:P5_207
Purpose:Verify the IUT clears a too long Call Connected packet (user date field of 1 or 129 octets) received in state P2
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC) +P2_PREAMBLE				
[FAST_SELECT = TRUE] !ACCEPT START TD # +SUBTREE		ANSR_0U129 (LCI)		1
[FAST_SELECT = FALSE] !ACCEPT START TD +SUBTREE		ANSR_0U1(LCI)		1
SUBTREE				
?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR DIAG32 #OR DIAG39)) OR CAUSE_EQ_128] CANCEL TD		CLR_1(LCI)	(P)	
!CLEARC +R1_POSTAMBLE		CLRC_0(LCI)		
?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG32 OR DIAG39)) OR #CAUSE_EQ_128] CANCEL TD		STRT_1DTEA	(P)	
!RESTARTC +R1_POSTAMBLE		STRTC		
+RSTRT_UNEXPECTED				2
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	2

Extended Comments:

1) if Fast Select is supported and in use then send 129 octets of user data, otherwise send 1 octet of user data.

2) IUTs using Fast Select but which require Fast Select with Restriction on Response, maybe unable to pass this test.

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Test Case Dynamic Behaviour				
Reference:PACKET/P2/IMPROPER/P08 Identifier:P5_208 Purpose:Verify the IUT clears a too short Clear Indication packet (no cause code or diagnostic code) received in state P2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(NO_LC) +P2_PREAMBLE				
!CLEAR START TD		CLR_SHT(LCI)		
?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG38)) OR CAUSE_EQ_128] CANCEL #TD		CLR_1(LCI)	(P)	
!CLEARC +R1_POSTAMBLE		CLRC_0(LCI)		
?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG38)) OR #CAUSE_EQ_128] CANCEL TD		STRT_1DTEA	(P)	
!RESTARTC +R1_POSTAMBLE		STRTC		
+RSTRT_UNEXPECTED			F	
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD				
Extended Comments:				

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Test Case Dynamic Behaviour

Reference:PACKET/P2/IMPROPER/P09
Identifier:P5_209
Purpose:Verify the IUT clears a too long Clear Indication packet received in state P2
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(NO_LC) +P2_PREAMBLE				
!CLEAR START TD ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG39)) OR CAUSE_EQ_128] CANCEL #TD		CLR_LNG(LCI) CLR_1(LCI)	(P)	
!CLEARC +R1_POSTAMBLE		CLRC_0(LCI)		
?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG39)) OR #CAUSE_EQ_128] CANCEL TD		STRT_1DTEA	(P)	
!RESTARTC +R1_POSTAMBLE		STRTC		
+RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	1

Extended Comments:

1) no response

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Test Case Dynamic Behaviour				
Reference:PACKET/P2/IMPROPER/P10 Identifier:P5_210 Purpose:Verify the IUT clears a too long Clear Confirmation packet received in state P2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(NO_LC) +P2_PREAMBLE				
!CLEARC START TD # ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG16 OR DIAG21 OR DIAG32 OR DIAG39)) OR #CAUSE_EQ_128] CANCEL TD		CLRC_U110 (LCI) CLR_1(LCI)	(P)	
!CLEARC +R1_POSTAMBLE		CLRC_0(LCI)		
?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG16 OR DIAG21 OR DIAG32 #OR DIAG39)) OR CAUSE_EQ_128] CANCEL TD		STRT_1DTEA	(P)	
!RESTARTC +R1_POSTAMBLE		STRTC		
+RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	1
Extended Comments: 1) no response				

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Test Case Dynamic Behaviour

Reference:PACKET/P2/INOPPORTUNE/P01
Identifier:P5_301
Purpose:Verify the IUT clears a Clear Confirmation packet with valid Logical Channel Identifier while in state P2
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(NO_LC) +P2_PREAMBLE				
!CLEARC START TD +P2_INOPP		CLRC_0(LCI)	(P)	
+R1_POSTAMBLE				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	

Extended Comments:

Test Case Dynamic Behaviour

Reference:PACKET/P2/INOPPORTUNE/P02
Identifier:P5_302
Purpose:Verify the IUT clears a Data packet with valid Logical Channel Identifier while in state P2
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(NO_LC) +P2_PREAMBLE				
!DATA START TD +P2_INOPP		D_ONE(LCI)	(P)	
+R1_POSTAMBLE				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	

Extended Comments:

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Test Case Dynamic Behaviour				
Reference:PACKET/P2/INOPPORTUNE/P03 Identifier:P5_303 Purpose:Verify the IUT clears an Interrupt packet with valid Logical Channel Identifier while in state P2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(NO_LC) +P2_PREAMBLE !INT START TD +P2_INOPP +R1_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		INT_0(LCI)	(P) F F	
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/P2/INOPPORTUNE/P04 Identifier:P5_304 Purpose:Verify the IUT clears an Interrupt Confirmation packet with valid Logical Channel Identifier while in state P2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(NO_LC) +P2_PREAMBLE !INTC START TD +P2_INOPP +R1_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		INTC_0(LCI)	(P) F F	
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/P2/INOPPORTUNE/P05 Identifier:P5_305 Purpose:Verify the IUT clears an RR packet with valid Logical Channel Identifier while in state P2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(NO_LC) +P2_PREAMBLE !RR START TD +P2_INOPP +R1_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		RR_0(LCI)	(P) F F	
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/P2/INOPPORTUNE/P06 Identifier:P5_306 Purpose:Verify the IUT clears a RNR packet with valid Logical Channel Identifier while in state P2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(NO_LC) +P2_PREAMBLE !RNR START TD +P2_INOPP +R1_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		RNR_0(LCI)	(P) F F	
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/P2/INOPPORTUNE/P07 Identifier:P5_307 Purpose:Verify the IUT clears a Reset packet with valid Logical Channel Identifier while in state P2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(NO_LC) +P2_PREAMBLE !RESET START TD +P2_INOPP +R1_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		RST_0(LCI)	(P) F F	
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/P2/INOPPORTUNE/P08 Identifier:P5_308 Purpose:Verify that the IUT clears a Reset Confirm packet with valid Logical Channel Identifier while in state P2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(NO_LC) +P2_PREAMBLE !RESETC START TD +P2_INOPP +R1_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		RSTC_0(LCI)	(P) F F	
Extended Comments:				

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Packet Layer Group 6 : State P3 DXE Incoming Call

PLG 6 contains the test cases for the Setup and Clearing STATE p3, and does not include specific tests for optional facilities. STATE p3 is a transient state and may not be observable. This packet layer test group is available only if the IUT implements the Packet Layer Protocol such that STATE p3 is observable. PLG 6 is not applicable when testing Permanent Virtual Circuits.

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Test Case Dynamic Behaviour				
Reference:PACKET/P3/PROPER/P01 Identifier:P6_101 Purpose:Verify the IUT confirms a Clear with cause '01'H received in state P3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC) !CALL START TD_RESP ?TIMEOUT TD_RESP		CALL_0(LCI)		
!CLEAR START TD_RESP ?CLEARC CANCEL TD_RESP +R1_POSTAMBLE		CLR_C01(LCI) CLRC_1(LCI)	(P)	
?CLEAR CANCEL TD_RESP +R1_POSTAMBLE		CLR_1(LCI)	(P)	
?RESTART [RST_ON_ERR_C] CANCEL #TD_RESP !RESTARTC +R1_POSTAMBLE		STRT_1DTEA STRTC	(P)	
?TIMEOUT TD_RESP +P3_UNEXPECTED +P3_UNEXPECTED			F	
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/P3/PROPER/P02 Identifier:P6_102 Purpose:Verify the IUT confirms a CLEAR with cause '05'H received in state P3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC) !CALL START TD_RESP ?TIMEOUT TD		CALL_0(LCI)		
!CLEAR START TD_RESP ?CLEARC CANCEL TD_RESP		CLR_C05(LCI) CLRC_1(LCI)	(P)	
+R1_POSTAMBLE				
?CLEAR CANCEL TD_RESP		CLR_1(LCI)	(P)	
+R1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] CANCEL #TD_RESP		STRT_1DTEA	(P)	
!RESTARTC +R1_POSTAMBLE		STRTC		
?TIMEOUT TD_RESP +P3_UNEXPECTED			F	
+P3_UNEXPECTED				
Extended Comments:				

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Test Case Dynamic Behaviour

Reference:PACKET/P3/PROPER/P03
Identifier:P6_103
Purpose:Verify the IUT confirms a CLEAR with cause '11'H received in state P3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC) !CALL START TD_RESP ?TIMEOUT TD		CALL_0(LCI)		
!CLEAR START TD_RESP ?CLEARC CANCEL TD_RESP		CLR_C11(LCI) CLRC_1(LCI)	(P)	
+R1_POSTAMBLE				
?CLEAR CANCEL TD_RESP		CLR_1(LCI)	(P)	
+R1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] CANCEL #TD_RESP		STRT_1DTEA	(P)	
!RESTARTC +R1_POSTAMBLE		STRTC		
?TIMEOUT TD_RESP +P3_UNEXPECTED +P3_UNEXPECTED			F	

Extended Comments:

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Test Case Dynamic Behaviour				
Reference:PACKET/P3/PROPER/P04 Identifier:P6_104 Purpose:Verify the IUT confirms a CLEAR with cause '13'H received in state P3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(TVC_OR_IVC) !CALL START TD_RESP ?TIMEOUT TD		CALL_0(LCI)		
!CLEAR START TD_RESP ?CLEARC CANCEL TD_RESP		CLR_C13(LCI) CLRC_1(LCI)	(P)	
+R1_POSTAMBLE				
?CLEAR CANCEL TD_RESP		CLR_1(LCI)	(P)	
+R1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] CANCEL #TD_RESP		STRT_1DTEA	(P)	
!RESTARTC +R1_POSTAMBLE		STRTC		
?TIMEOUT TD_RESP +P3_UNEXPECTED +P3_UNEXPECTED			F	
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/P3/PROPER/P05 Identifier:P6_105 Purpose:Verify the IUT confirms a CLEAR with cause '21'H received in state P3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(TVC_OR_IVC) !CALL START TD_RESP ?TIMEOUT TD		CALL_0(LCI)		
!CLEAR START TD_RESP ?CLEARC CANCEL TD_RESP		CLR_C21(LCI) CLRC_1(LCI)	(P)	
+R1_POSTAMBLE				
?CLEAR CANCEL TD_RESP		CLR_1(LCI)	(P)	
+R1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] CANCEL #TD_RESP		STRT_1DTEA	(P)	
!RESTARTC +R1_POSTAMBLE		STRTC		
?TIMEOUT TD_RESP +P3_UNEXPECTED +P3_UNEXPECTED			F	
Extended Comments:				

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Test Case Dynamic Behaviour

Reference:PACKET/P3/IMPROPER/P01
Identifier:P6_201
Purpose:Verify the IUT clears a too short packet with length two octets received in state P3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC) !CALL START TD_RESP ?TIMEOUT TD_RESP		CALL_0(LCI)		
!ERROR START TD_RESP ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG33 OR DIAG38)) OR #CAUSE_EQ_128] CANCEL		ERR_SHT(LCI) CLR_1(LCI)	(P)	1
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG32 OR DIAG33 #OR DIAG38)) OR CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
?TIMEOUT TD_RESP +P3_UNEXPECTED +P3_UNEXPECTED			F	

Extended Comments:

1) no information, not allowed, unidentifiable, too short

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Test Case Dynamic Behaviour				
Reference:PACKET/P3/IMPROPER/P02 Identifier:P6_202 Purpose:Verify the IUT clears a packet of undefined type received in state P3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC) !CALL START TD_RESP ?TIMEOUT TD_RESP		CALL_0(LCI)		
!ERROR START TD_RESP ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG33)) OR CAUSE_EQ_128] CANCEL		ERR_B(LCI) CLR_1(LCI)	(P)	1
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG32 OR #DIAG33)) OR CAUSE_EQ_128] CANCEL		STRT_IDTEA	(P)	
+GEN2_POSTAMBLE				
?TIMEOUT TD_RESP +P3_UNEXPECTED +P3_UNEXPECTED			F	
Extended Comments: 1) no information, not allowed, unidentifiable				

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Test Case Dynamic Behaviour

Reference:PACKET/P3/IMPROPER/P03
Identifier:P6_203
Purpose:Verify the IUT clears a Restart packet on an assigned LCI
not equal to zero received in state P3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC) !CALL START TD_RESP ?TIMEOUT TD_RESP		CALL_0(LCI)		
!RESTART START TD_RESP ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG41)) OR CAUSE_EQ_128] CANCEL		STRT_NZ(LCI) CLR_1(LCI)	(P)	1
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG32 OR #DIAG41)) OR CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
?TIMEOUT TD_RESP +P3_UNEXPECTED +P3_UNEXPECTED			F	

Extended Comments:

1) no information, not allowed, non-zero lci

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Test Case Dynamic Behaviour				
Reference:PACKET/P3/IMPROPER/P04 Identifier:P6_204 Purpose:Verify the IUT clears a Restart Confirmation packet on an assigned LCI not equal to zero received in state P3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC) !CALL START TD_RESP ?TIMEOUT TD_RESP		CALL_0(LCI)		
!RESTARTC START TD_RESP ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG41)) OR CAUSE_EQ_128] CANCEL		STRTC_NZ(LCI) CLR_1(LCI)	(P)	1
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG32 OR #DIAG41)) OR CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
?TIMEOUT TD_RESP +P3_UNEXPECTED +P3_UNEXPECTED			F	
Extended Comments: 1) no information, not allowed, non-zero lci				

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Test Case Dynamic Behaviour

Reference:PACKET/P3/IMPROPER/P05
Identifier:P6_205
Purpose:Verify the IUT clears a too short Incoming Call packet received in P3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
#P1_PREAMBLE (TVC_OR_IVC) !CALL START TD_RESP ?TIMEOUT TD_RESP		CALL_0(LCI)		
!CALL START TD_RESP ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG38)) OR CAUSE_EQ_128] CANCEL		CALL_SHT(LCI) CLR_1(LCI)	(P)	1
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] [#((CAUSE_EQ_0 AND (DIAG0 OR DIAG32 OR #DIAG38)) OR CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
?TIMEOUT TD_RESP +P3_UNEXPECTED +P3_UNEXPECTED			F	

Extended Comments:

1) no information, not allowed, too short

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Test Case Dynamic Behaviour

Reference:PACKET/P3/IMPROPER/P06
Identifier:P6_206
Purpose:Verify the IUT clears a too long Incoming Call packet (user data field of 17 or 129 octets) received in state P3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC) !CALL START TD_RESP ?TIMEOUT TD_RESP		CALL_0(LCI)		
[FAST_SELECT = TRUE] !CALL START TD_RESP # +SUBTREE		CALL_U129 (LCI)		1
[FAST_SELECT = FALSE] !CALL START TD_RESP +SUBTREE		CALL_U17(LCI)		1
+P3_UNEXPECTED				
SUBTREE				
?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR DIAG32 #OR DIAG39)) OR CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	2
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG32 OR DIAG39)) OR #CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
?TIMEOUT TD_RESP +P3_UNEXPECTED			F	

Extended Comments:

1) if Fast Select is supported and in use then send 129 octets of user data, otherwise send 17 octets.

2) no information, not allowed, too long

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Test Case Dynamic Behaviour

Reference:PACKET/P3/IMPROPER/P07
Identifier:P6_207
Purpose:Verify the IUT clears a too long Call Connected packet (user data field of 1 or 129 octets) received in state P3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (TVC_OR_IVC) !CALL START TD_RESP ?TIMEOUT TD_RESP		CALL_0(LCI)		
[FAST_SELECT = TRUE] !ACCEPT START TD_RESP +SUBTREE		ANSR_0U129 (LCI)		1
[FAST_SELECT = FALSE] !ACCEPT START TD_RESP +SUBTREE		ANSR_0U1(LCI)		1
+P3_UNEXPECTED				
SUBTREE				
?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR DIAG16 OR DIAG22 OR DIAG32 OR DIAG39)) OR CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	2
!CLEARC +R1_POSTAMBLE		CLRC_0(LCI)		
?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 AND (DIAG0 OR DIAG16 OR DIAG22 OR DIAG32 OR DIAG39)) OR CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
!RESTARTC +R1_POSTAMBLE		STRTC		
?TIMEOUT TD_RESP				
+P3_UNEXPECTED				

Extended Comments:

1) if Fast Select is supported and in use then send 129 octets of user data, otherwise send 1 octet of user data.

2) no information, packet type invalid, invalid for P3, not allowed, too long

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Test Case Dynamic Behaviour				
Reference:PACKET/P3/IMPROPER/P08 Identifier:P6_208 Purpose:Verify the IUT clears a too short Clear Indication packet (no cause code or diagnostic code fields) received in state P3 Default:				
Behaviour Description	**Label**	**Constraints Reference**	**V**	**Comments**
+P1_PREAMBLE (TVC_OR_IVC) !CALL START TD_RESP ?TIMEOUT TD_RESP		CALL_0(LCI)		
!CLEAR START TD_RESP ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG38)) OR CAUSE_EQ_128] CANCEL		CLR_SHT(LCI) CLR_1(LCI)	(P)	1
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG32 OR #DIAG38)) OR CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
?TIMEOUT TD_RESP +P3_UNEXPECTED +P3_UNEXPECTED			F	
Extended Comments: 1) no information, not allowed, too short				

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Test Case Dynamic Behaviour

Reference:PACKET/P3/IMPROPER/P09
Identifier:P6_209
Purpose:Verify the IUT clears a too long Clear Indication packet received in state P3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC) !CALL START TD_RESP ?TIMEOUT TD_RESP		CALL_0(LCI)		
!CLEAR START TD_RESP ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG39)) OR CAUSE_EQ_128] CANCEL		CLR_LNG(LCI) CLR_1(LCI)	(P)	1
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG32 OR #DIAG39)) OR CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
?TIMEOUT TD_RESP +P3_UNEXPECTED +P3_UNEXPECTED			F	

Extended Comments:

1) no information, not allowed, too long

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Test Case Dynamic Behaviour				
Reference:PACKET/P3/IMPROPER/P10 Identifier:P6_210 Purpose:Verify the IUT clears a too long Clear Confirmation packet (110 octets appended to the end of the packet) received in state P3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC) !CALL START TD_RESP ?TIMEOUT TD_RESP		CALL_0(LCI)		
!CLEARC START TD_RESP # ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG16 OR DIAG22 OR DIAG32 OR DIAG38)) OR #CAUSE_EQ_128] CANCEL		CLRC_U110 (LCI) CLR_1(LCI)	(P)	1
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG16 OR DIAG22 #OR DIAG32 OR DIAG38)) OR CAUSE_EQ_128] #CANCEL		STRT_1DTEA	(P)	1
+GEN2_POSTAMBLE				
?TIMEOUT TD_RESP +P3_UNEXPECTED +P3_UNEXPECTED			F	
Extended Comments: 1) no information, packet type invalid, invalid for P3, not allowed, too short				

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Test Case Dynamic Behaviour				
Reference:PACKET/P3/INOPPORTUNE/P01 Identifier:P6_301 Purpose:Verify the IUT clears an Incoming Call received in state P3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC) !CALL START TD_RESP ?TIMEOUT TD_RESP		CALL_0(LCI)		
!CALL +P3_INOPP		CALL_0(LCI)	(P)	
+R1_POSTAMBLE				
?TIMEOUT TD_RESP +P3_UNEXPECTED			F	
+P3_UNEXPECTED				

Test Case Dynamic Behaviour				
Reference:PACKET/P3/INOPPORTUNE/P03 Identifier:P6_303 Purpose:Verify the IUT clears a Call Connected packet received in state P3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC) !CALL START TD_RESP ?TIMEOUT TD_RESP		CALL_0(LCI)		
!ACCEPT START TD_RESP +P3_INOPP		ANSR_0(LCI)	(P)	
+R1_POSTAMBLE				
?TIMEOUT TD_RESP +P3_UNEXPECTED			F	
+P3_UNEXPECTED				

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Test Case Dynamic Behaviour				
Reference:PACKET/P3/INOPPORTUNE/P04 Identifier:P6_304 Purpose:Verify the IUT clears a Clear Confirmation packet received in state P3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC) !CALL START TD_RESP ?TIMEOUT TD_RESP !CLEARC START TD_RESP +P3_INOPP +R1_POSTAMBLE ?TIMEOUT TD_RESP +P3_UNEXPECTED +P3_UNEXPECTED		CALL_0(LCI) CLRC_0(LCI)	 (P) F	

Test Case Dynamic Behaviour				
Reference:PACKET/P3/INOPPORTUNE/P05 Identifier:P6_305 Purpose:Verify the IUT clears a Data packet received in state P3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC) !CALL START TD_RESP ?TIMEOUT TD_RESP !DATA START TD_RESP +P3_INOPP +R1_POSTAMBLE ?TIMEOUT TD_RESP +P3_UNEXPECTED +P3_UNEXPECTED		CALL_0(LCI) D_ONE(LCI)	 (P) F	

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Test Case Dynamic Behaviour				
Reference:PACKET/P3/INOPPORTUNE/P06 Identifier:P6_306 Purpose:Verify the IUT clears an Interrupt packet received in state P3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC) !CALL START TD_RESP ?TIMEOUT TD_RESP !INT START TD_RESP +P3_INOPP +R1_POSTAMBLE ?TIMEOUT TD_RESP +P3_UNEXPECTED +P3_UNEXPECTED		CALL_0(LCI) INT_0(LCI)	(P) F	

Test Case Dynamic Behaviour				
Reference:PACKET/P3/INOPPORTUNE/P07 Identifier:P6_307 Purpose:Verify the IUT clears an Interrupt Confirm received in state P3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC) !CALL START TD_RESP ?TIMEOUT TD_RESP !INTC START TD_RESP +P3_INOPP +R1_POSTAMBLE ?TIMEOUT TD_RESP +P3_UNEXPECTED +P3_UNEXPECTED		CALL_0(LCI) INTC_0(LCI)	(P) F	
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/P3/INOPPORTUNE/P08 Identifier:P6_308 Purpose:Verify the IUT clears an RR packet received in state P3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC) !CALL START TD_RESP ?TIMEOUT TD_RESP !RR START TD_RESP +P3_INOPP +R1_POSTAMBLE ?TIMEOUT TD_RESP +P3_UNEXPECTED +P3_UNEXPECTED		CALL_0(LCI) RR_0(LCI)	 (P) F	
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/P3/INOPPORTUNE/P09 Identifier:P6_309 Purpose:Verify the IUT clears an RNR packet received in state P3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC) !CALL START TD_RESP ?TIMEOUT TD_RESP !RNR START TD_RESP +P3_INOPP +R1_POSTAMBLE ?TIMEOUT TD_RESP +P3_UNEXPECTED +P3_UNEXPECTED		CALL_0(LCI) RNR_0(LCI)	 (P) F	

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Test Case Dynamic Behaviour				
Reference:PACKET/P3/INOPPORTUNE/P10 Identifier:P6_310 Purpose:Verify the IUT clears a Reset Indication received in state P3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC) !CALL START TD_RESP ?TIMEOUT TD_RESP !RESET START TD_RESP +P3_INOPP +R1_POSTAMBLE ?TIMEOUT TD_RESP +P3_UNEXPECTED +P3_UNEXPECTED		CALL_0(LCI) RST_0(LCI)	(P) F	

Test Case Dynamic Behaviour				
Reference:PACKET/P3/INOPPORTUNE/P11 Identifier:P6_311 Purpose:Verify the IUT clears a Reset Confirmation received in state P3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC) !CALL START TD_RESP ?TIMEOUT TD_RESP !RESETC START TD_RESP +P3_INOPP +R1_POSTAMBLE ?TIMEOUT TD_RESP +P3_UNEXPECTED +P3_UNEXPECTED		CALL_0(LCI) RSTC_0(LCI)	(P) F	

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Packet Layer Group 7: State P4 Data Transfer

PLG 7 contains the test cases for the Setup and Clearing STATE p4, and does not include specific tests for optional facilities.

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Test Case Dynamic Behaviour

Reference:PACKET/P4/PROPER/P01
Identifier:P7_101
Purpose:Verify the IUT acknowledges a Clear with cause code '01'H received in state P4
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (SVC)				
+P4D1_PREAMBLE				
!CLEAR START TD		CLR_C01(LCI)		
?CLEARC CANCEL TD	L1	CLRC_1(LCI)	(P)	
+R1_POSTAMBLE				
?CLEAR CANCEL TD		CLR_1(LCI)	(P)	
+R1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] CANCEL TD		STRT_1DTEA	(P)	
!RESTARTC		STRTC		
+R1_POSTAMBLE				
+D1A_UNEXPECTED				
GOTO L1				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	

Extended Comments:

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Test Case Dynamic Behaviour				
Reference:PACKET/P4/PROPER/P02 Identifier:P7_102 Purpose:Verify the IUT acknowledges a Clear with cause code '05'H while in state P4 Default:				
Behaviour Description	**Label**	**Constraints Reference**	**V**	**Comments**
+P1_PREAMBLE (SVC) +P4D1_PREAMBLE				
!CLEAR START TD ?CLEARC CANCEL TD	L1	CLR_C05(LCI) CLRC_1(LCI)	(P)	
+R1_POSTAMBLE				
?CLEAR CANCEL TD		CLR_1(LCI)	(P)	
+R1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] CANCEL TD		STRT_1DTEA	(P)	
!RESTARTC +R1_POSTAMBLE		STRTC		
+D1A_UNEXPECTED GOTO L1				
+RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	
Extended Comments:				

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Test Case Dynamic Behaviour

Reference:PACKET/P4/PROPER/P03
Identifier:P7_103
Purpose:Verify the IUT acknowledges a Clear with cause code '11'H while in state P4
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (SVC)				
+P4D1_PREAMBLE				
!CLEAR START TD		CLR_C11(LCI)		
?CLEARC CANCEL TD	L1	CLRC_1(LCI)	(P)	
+R1_POSTAMBLE				
?CLEAR CANCEL TD		CLR_1(LCI)	(P)	
+R1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] CANCEL TD		STRT_1DTEA	(P)	
!RESTARTC		STRTC		
+R1_POSTAMBLE				
+D1A_UNEXPECTED				
GOTO L1				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	

Extended Comments:

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Test Case Dynamic Behaviour				
Reference:PACKET/P4/PROPER/P04 Identifier:P7_104 Purpose:Verify the IUT acknowledges a Clear with cause code '13'H received in state P4 Default:				
Behaviour Description	**Label**	**Constraints Reference**	**V**	**Comments**
+P1_PREAMBLE (SVC) +P4D1_PREAMBLE				
!CLEAR START TD		CLR_C13(LCI)		
?CLEARC CANCEL TD	L1	CLRC_1(LCI)	(P)	
+R1_POSTAMBLE				
?CLEAR CANCEL TD		CLR_1(LCI)	(P)	
+R1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] CANCEL TD		STRT_1DTEA	(P)	
!RESTARTC		STRTC		
+R1_POSTAMBLE				
+D1A_UNEXPECTED GOTO L1				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	
Extended Comments:				

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Test Case Dynamic Behaviour

Reference:PACKET/P4/PROPER/P05
Identifier:P7_105
Purpose:Verify the IUT acknowledges a Clear with cause code '21'H while in state P4
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (SVC)				
+P4D1_PREAMBLE				
!CLEAR START TD		CLR_C21(LCI)		
?CLEARC CANCEL TD	L1	CLRC_1(LCI)	(P)	
+R1_POSTAMBLE				
?CLEAR CANCEL TD		CLR_1(LCI)	(P)	
+R1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] CANCEL TD		STRT_1DTEA	(P)	
!RESTARTC		STRTC		
+R1_POSTAMBLE				
+D1A_UNEXPECTED				
GOTO L1				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	

Extended Comments:

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Test Case Dynamic Behaviour				
Reference:PACKET/P4/IMPROPER/P01 Identifier:P7_201 Purpose:Verify the IUT clears a too short Incoming Call packet received in state P4 Default:				
Behaviour Description	**Label**	**Constraints Reference**	**V**	**Comments**
+P1_PREAMBLE (SVC) +P4D1_PREAMBLE				
!CALL START TD		CALL_SHT(LCI)		
?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG16 OR DIAG23 OR DIAG32 OR DIAG38)) OR #CAUSE_EQ_128] CANCEL TD	L1	CLR_1(LCI)	(P)	1
!CLEARC +R1_POSTAMBLE		CLRC_0(LCI)		
?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG16 OR DIAG23 OR DIAG32 #OR DIAG38)) OR CAUSE_EQ_128] CANCEL TD		STRT_1DTEA	(P)	
!RESTARTC +R1_POSTAMBLE		STRTC		
+D1A_UNEXPECTED GOTO L1				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	
Extended Comments: 1) normal clear, packet type invalid, invalid for P4, not allowed, too short				

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Test Case Dynamic Behaviour

Reference:PACKET/P4/IMPROPER/P02
Identifier:P7_202
Purpose:Verify the IUT clears a too long Incoming Call packet (user data field of 17 or 129 octets) received in state P4
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (SVC) +P4D1_PREAMBLE				
[FAST_SELECT = TRUE] !CALL START TD # +SUBTREE		CALL_U129 (LCI)		1
[FAST_SELECT = FALSE] !CALL START TD +SUBTREE		CALL_U17(LCI)		1
SUBTREE				
?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR DIAG16 #OR DIAG23 OR DIAG32 OR DIAG39)) OR #CAUSE_EQ_128] CANCEL TD	L1	CLR_1(LCI)	(P)	2
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG16 OR DIAG23 OR DIAG32 OR #DIAG39)) OR CAUSE_EQ_128] CANCEL TD		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
+D1A_UNEXPECTED GOTO L1				
+RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	

Extended Comments:

1) if Fast Select is supported and in use then send 129 octets of user data, otherwise send 17 octets.

2) normal clear, packet type invalid, invalid for p4, not allowed, too short

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Test Case Dynamic Behaviour

Reference:PACKET/P4/IMPROPER/P03
Identifier:P7_203
Purpose:Verify the IUT clears a too long Call Connected packet (user data field of 1 or 129 octets) received in P4
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (SVC) +P4D1_PREAMBLE				
[FAST_SELECT = TRUE] !ACCEPT START TD # +SUBTREE		ANSR_0U129 (LCI)		1
[FAST_SELECT = FALSE] !ACCEPT START TD +SUBTREE		ANSR_0U1(LCI)		1
SUBTREE				
?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR DIAG16 #OR DIAG23 OR DIAG32 OR DIAG39)) OR #CAUSE_EQ_128] CANCEL	L1	CLR_1(LCI)	(P)	2
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG16 OR DIAG23 OR DIAG32 OR #DIAG39)) OR CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
+D1A_UNEXPECTED GOTO L1				
+RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	

Extended Comments:

1) if Fast Select is supported and in use then send 129 octets of user data, otherwise send 1 octet of user data.

2) normal clear, packet type invalid, invalid for p4, not allowed, too long

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Test Case Dynamic Behaviour

Reference:PACKET/P4/IMPROPER/P04
Identifier:P7_204
Purpose:Verify the IUT clears a too short Clear Indication packet (no cause code or diagnostic code fields) received in state P4
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (SVC) +P4D1_PREAMBLE				
!CLEAR START TD		CLR_SHT(LCI)		
?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG16 OR DIAG23 OR DIAG27 OR DIAG32 OR #DIAG38)) OR CAUSE_EQ_128] CANCEL	L1	CLR_1(LCI)	(P)	1
!CLEARC +R1_POSTAMBLE		CLRC_0(LCI)		
?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG16 OR DIAG23 OR DIAG27 #OR DIAG32 OR DIAG38)) OR CAUSE_EQ_128] #CANCEL		STRT_1DTEA	(P)	
!RESTARTC +R1_POSTAMBLE		STRTC		
+D1A_UNEXPECTED GOTO L1				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	

Extended Comments:

1) normal clear, packet type invalid, invalid for P4, invalid for D1, not allowed, too short

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Test Case Dynamic Behaviour				
Reference:PACKET/P4/IMPROPER/P05 Identifier:P7_205 Purpose:Verify the IUT clears a too long Clear Indication packet received in state P4 Default:				
Behaviour Description	**Label**	**Constraints Reference**	**V**	**Comments**
+P1_PREAMBLE (SVC) +P4D1_PREAMBLE				
!CLEAR START TD ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG16 OR DIAG23 OR DIAG27 OR DIAG32 OR #DIAG39)) OR CAUSE_EQ_128] CANCEL	L1	CLR_LNG(LCI) CLR_1(LCI)	(P)	1
!CLEARC +R1_POSTAMBLE		CLRC_0(LCI)		
?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG16 OR DIAG23 OR DIAG27 #OR DIAG32 OR DIAG38)) OR CAUSE_EQ_128] #CANCEL		STRT_1DTEA	(P)	
!RESTARTC +R1_POSTAMBLE		STRTC		
+D1A_UNEXPECTED GOTO L1				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	
Extended Comments: 1) no info, packet type invalid, invalid for P4, invalid for D1, not allowed, too long				

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Test Case Dynamic Behaviour

Reference:PACKET/P4/IMPROPER/P06
Identifier:P7_206
Purpose:Verify the IUT clears a too long Clear Confirmation packet (110 octets appended to the end of the packet) received in state P4
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (SVC) +P4D1_PREAMBLE				
!CLEARC START TD #		CLRC_U110 (LCI)		
?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG16 OR DIAG23 OR DIAG32 OR DIAG39)) OR #CAUSE_EQ_128] CANCEL	L1	CLR_1(LCI)	(P)	1
!CLEARC +R1_POSTAMBLE		CLRC_0(LCI)		
?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG16 OR DIAG23 OR DIAG32 #OR DIAG39)) OR CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
!RESTARTC +R1_POSTAMBLE		STRTC		
+D1A_UNEXPECTED GOTO L1				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	

Extended Comments:

1) normal clear, packet type invalid, invalid for p4, not allowed, too long

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Test Case Dynamic Behaviour				
Reference:PACKET/P4/INOPPORTUNE/P01 Identifier:P7_301 Purpose:Verify the IUT clears an Incoming Call packet received in state P4 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (SVC) +P4D1_PREAMBLE				
!CALL START TD		CALL_0(LCI)		
?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG16 OR DIAG23)) OR CAUSE_EQ_128] CANCEL	L1	CLR_1(LCI)	(P)	1
!CLEARC +R1_POSTAMBLE		CLRC_0(LCI)		
?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG16 OR DIAG23)) OR #CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
!RESTARTC +R1_POSTAMBLE		STRTC		
+D1A_UNEXPECTED GOTO L1				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	
Extended Comments: 1) normal clear, packet type invalid, invalid for P4				

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Test Case Dynamic Behaviour				
Reference:PACKET/P4/INOPPORTUNE/P03 Identifier:P7_303 Purpose:Verify the IUT clears a Call Connected packet received in state P4 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (SVC) +P4D1_PREAMBLE !ACCEPT START TD ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG16 OR DIAG23)) OR CAUSE_EQ_128] CANCEL !CLEARC +R1_POSTAMBLE ?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG16 OR DIAG23)) OR #CAUSE_EQ_128] CANCEL TD !RESTARTC +R1_POSTAMBLE +D1A_UNEXPECTED GOTO L1 +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD	L1	ANSR_0(LCI) CLR_1(LCI) CLRC_0(LCI) STRT_1DTEA STRTC	(P) (P) F F	1
Extended Comments: 1) normal clear, packet type invalid, invalid for p4				

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Test Case Dynamic Behaviour				
Reference:PACKET/P4/INOPPORTUNE/P04 Identifier:P7_304 Purpose:Verify the IUT clears a Clear Confirmation packet received in state P4 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (SVC) +P4D1_PREAMBLE				
!CLEARC START TD ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG16 OR DIAG23)) OR CAUSE_EQ_128] CANCEL	L1	CLRC_0(LCI) CLR_1(LCI)	(P)	1
!CLEARC +R1_POSTAMBLE		CLRC_0(LCI)		
?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG16 OR DIAG23)) OR #CAUSE_EQ_128] CANCEL TD		STRT_1DTEA	(P)	
!RESTARTC +R1_POSTAMBLE		STRTC		
+D1A_UNEXPECTED GOTO L1				
+RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	
Extended Comments: 1) normal clear, packet type invalid, invalid for p4				

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Packet Layer Group 8: State P5 Call Collision

PLG 8 contains the test cases for the Setup and Clearing STATE p5, and does not include specific tests for optional facilities. STATE p5 is not applicable when testing Permanent Virtual Circuits, Incoming Calls only or Outgoing Calls only IUTs.

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Test Case Dynamic Behaviour				
Reference:PACKET/P5/PROPER/P01 Identifier:P8_101 Purpose:Verify P5 to P4 transition using a Call Connected packet Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC) +P5_PREAMBLE !ACCEPT START TD ?TIMEOUT TD +P4_POSTAMBLE +D1A_UNEXPECTED GOTO L1 +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD	L1	ANSR_0(LCI)	(P) F	1
Extended Comments: 1) no response from the IUT, the IUT is in Data Transfer state P4				

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Test Case Dynamic Behaviour				
Reference:PACKET/P5/PROPER/P02 Identifier:P8_102 Purpose:Verify the IUT confirms a Clear with cause '01'H received in state P5 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC) +P5_PREAMBLE !CLEAR START TD ?CLEARC CANCEL TD +R1_POSTAMBLE ?RESTART [RST_ON_ERR_C] CANCEL TD !RESTARTC +R1_POSTAMBLE ?CLEAR CANCEL TD +R1_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		CLR_C01(LCI) CLRC_1(LCI) STRT_1DTEA STRTC CLR_1(LCI)	(P) (P) (P) F F	
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/P5/PROPER/P03 Identifier:P8_103 Purpose:Verify the IUT confirms a Clear with cause '05'H received in state P5 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC) +P5_PREAMBLE !CLEAR START TD ?CLEARC CANCEL TD +R1_POSTAMBLE ?RESTART [RST_ON_ERR_C] CANCEL TD !RESTARTC +R1_POSTAMBLE ?CLEAR CANCEL TD +R1_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		CLR_C05(LCI) CLRC_1(LCI) STRT_1DTEA STRTC CLR_1(LCI) 	 (P) (P) (P) F F	
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/P5/PROPER/P04 Identifier:P8_104 Purpose:Verify the IUT confirms a Clear with cause '11'H received in state P5 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC) +P5_PREAMBLE				
!CLEAR START TD ?CLEARC CANCEL TD		CLR_C11(LCI) CLRC_1(LCI)	(P)	
+R1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] CANCEL TD		STRT_1DTEA	(P)	
!RESTARTC +R1_POSTAMBLE		STRTC		
?CLEAR CANCEL TD		CLR_1(LCI)	(P)	
+R1_POSTAMBLE				
+RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/P5/PROPER/P05 Identifier:P8_105 Purpose:Verify the IUT confirms a Clear with cause '13'H received in state P5 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC) +P5_PREAMBLE				
!CLEAR START TD ?CLEARC CANCEL TD		CLR_C13(LCI) CLRC_1(LCI)	(P)	
+R1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] CANCEL TD		STRT_1DTEA	(P)	
!RESTARTC +R1_POSTAMBLE		STRTC		
?CLEAR CANCEL TD		CLR_1(LCI)	(P)	
+R1_POSTAMBLE				
+RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/P5/PROPER/P06 Identifier:P8_106 Purpose:Verify the IUT confirms a Clear with cause '21'H received in state P5 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC) +P5_PREAMBLE !CLEAR START TD ?CLEARC CANCEL TD +R1_POSTAMBLE ?RESTART [RST_ON_ERR_C] CANCEL TD !RESTARTC +R1_POSTAMBLE ?CLEAR CANCEL TD +R1_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		CLR_C21(LCI) CLRC_1(LCI) STRT_1DTEA STRTC CLR_1(LCI)	 (P) (P) (P) F F	
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/P5/IMPROPER/P01 Identifier:P8_201 Purpose:Verify IUT clears a too short packet (PTI field is NIL) received in state P5 Default:				
Behaviour Description	**Label**	**Constraints Reference**	**V**	**Comments**
+P1_PREAMBLE (NO_LC) +P5_PREAMBLE				
!ERROR START TD ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG33 OR DIAG38)) OR #CAUSE_EQ_128] CANCEL TD		ERR_SHT(LCI) CLR_1(LCI)	(P)	1
!CLEARC +R1_POSTAMBLE		CLRC_0(LCI)		
?RESTART [RST_ON_ERR_C] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG32 OR DIAG33 #OR DIAG38)) OR CAUSE_EQ_128] CANCEL TD		STRT_1DTEA	(P)	
!RESTARTC +R1_POSTAMBLE		STRTC		
+RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	2
Extended Comments: 1) no information, not allowed, unidentifiable, too short 2) no response				

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Test Case Dynamic Behaviour

Reference:PACKET/P5/IMPROPER/P02
Identifier:P8_202
Purpose:Verify the IUT Clears a packet of undefined type (PTI equal '0D'H) received in state P5
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC) +P5_PREAMBLE				
!ERROR START TD		ERR_B(LCI)		
?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG33)) OR CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	1
!CLEARC +R1_POSTAMBLE		CLRC_0(LCI)		
?RESTART [RST_ON_ERR_C] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG32 OR #DIAG33)) OR CAUSE_EQ_128] CANCEL TD		STRT_1DTEA	(P)	
!RESTARTC +R1_POSTAMBLE		STRTC		
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	2
?OTHERWISE CANCEL TD			F	

Extended Comments:

1) no information, packet type invalid, invalid for p5, not allowed, unidentifiable

2) no response

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Test Case Dynamic Behaviour				
Reference:PACKET/P5/IMPROPER/P03 Identifier:P8_203 Purpose:Verify the IUT Clears a Restart packet on an assigned LCI not equal to zero received in state P5 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC) +P5_PREAMBLE				
!RESTART START TD		STRT_NZ(LCI)		
?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG41)) OR CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	1
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG32 OR #DIAG41)) OR CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	1
+GEN2_POSTAMBLE				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	2
?OTHERWISE CANCEL TD			F	
Extended Comments: 1) no information, not allowed, non-zero lcn 2) no response				

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Test Case Dynamic Behaviour

Reference:PACKET/P5/IMPROPER/P04
Identifier:P8_204
Purpose:Verify the IUT Clears a Restart Confirmation packet on an assigned LCI not equal to zero received in state P5
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC) +P5_PREAMBLE				
!RESTARTC START TD		STRTC_NZ(LCI)		
?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG41)) OR CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	1
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG32 OR #DIAG41)) OR CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	1
+GEN2_POSTAMBLE				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	2
?OTHERWISE CANCEL TD			F	

Extended Comments:

1) no information, not allowed, non-zero lcn

2) no response

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Test Case Dynamic Behaviour				
Reference:PACKET/P5/IMPROPER/P05 Identifier:P8_205 Purpose:Verify the IUT Clears a too short Incoming Call packet; no called address field, received in state P5 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC) +P5_PREAMBLE				
!CALL START TD ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG16 OR DIAG24 OR DIAG32 OR DIAG38)) OR #CAUSE_EQ_128] CANCEL TD		CALL_SHT(LCI) CLR_1(LCI)	(P)	1
!CLEARC +R1_POSTAMBLE		CLRC_0(LCI)		
?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG16 OR DIAG24 OR DIAG32 #OR DIAG38)) OR CAUSE_EQ_128] CANCEL TD		STRT_1DTEA	(P)	
!RESTARTC +R1_POSTAMBLE		STRTC		
+RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	2
Extended Comments: 1) no information, not allowed, too short 2) no response				

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Test Case Dynamic Behaviour

Reference:PACKET/P5/IMPROPER/P06
Identifier:P8_206
Purpose:Verify the IUT Clears or discards a too long Incoming Call packet
(user data field of 17 or 129 octets) received in state P5
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC) +P5_PREAMBLE				
[FAST_SELECT = TRUE] !CALL START TD # +SUBTREE		CALL_U129 (LCI)		1
[FAST_SELECT = FALSE] !CALL START TD +SUBTREE		CALL_U17(LCI)		1
SUBTREE				
?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR DIAG16 #OR DIAG24 OR DIAG32 OR DIAG39)) OR #CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	3
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG16 OR DIAG24 OR DIAG32 OR #DIAG39)) OR CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	3
+GEN2_POSTAMBLE				
+RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD			P F	2

Extended Comments:

1) if Fast Select is supported and in use then send 129 octets of user data, otherwise send 17 octets.

2) discarding of a too long Incoming Call packet by the IUT in state P5 is also acceptable behaviour

3) no information, packet type invalid, invalid for p5, not allowed, too long

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Test Case Dynamic Behaviour				
Reference:PACKET/P5/IMPROPER/P07 Identifier:P8_207 Purpose:Verify the IUT Clears a too long Call Connected packet (user data field of 1 or 129 octets) received in state P5 Default:				
Behaviour Description	**Label**	**Constraints Reference**	**V**	**Comments**
+P1_PREAMBLE (NO_LC) +P5_PREAMBLE [FAST_SELECT = TRUE] !ACCEPT START TD # +SUBTREE [FAST_SELECT = FALSE] !ACCEPT START TD +SUBTREE SUBTREE ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR DIAG32 #OR DIAG39)) OR CAUSE_EQ_128] CANCEL !CLEARC +R1_POSTAMBLE ?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG32 OR DIAG39)) OR #CAUSE_EQ_128] CANCEL !RESTARTC +R1_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		ANSR_0U129 (LCI) ANSR_0U1(LCI) CLR_1(LCI) CLRC_0(LCI) STRT_1DTEA STRTC	 (P) (P) F F	1 1 2, 3 3
Extended Comments: 1) if Fast Select is supported and in use then send 129 octets of user data, otherwise send 1 octet of user data. 2) IUTs using Fast Select but which require Fast Select with Restriction on Response, may be unable to pass this test case. 3) no information, packet type invalid				

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Test Case Dynamic Behaviour

Reference:PACKET/P5/IMPROPER/P08
Identifier:P8_208
Purpose:Verify the IUT Clears a too short Clear Indication packet (no cause or diagnostic code fields) received in state P5
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC) +P5_PREAMBLE				
!CLEAR START TD		CLR_SHT(LCI)		
?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG38)) OR CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	1
!CLEARC +R1_POSTAMBLE		CLRC_0(LCI)		
?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG38)) OR #CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
!RESTARTC +R1_POSTAMBLE		STRTC		
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	2
?OTHERWISE CANCEL TD			F	

Extended Comments:

1) no information, packet not allowed, too short

2) no response

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Test Case Dynamic Behaviour				
Reference:PACKET/P5/IMPROPER/P09 Identifier:P8_209 Purpose:Verify the IUT Clears a too long Clear Indication packet received in state P5 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC) +P5_PREAMBLE				
!CLEAR START TD ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG39 OR DIAG42)) OR #CAUSE_EQ_128] CANCEL		CLR_LNG(LCI) CLR_1(LCI)	(P)	
!CLEARC +R1_POSTAMBLE		CLRC_0(LCI)		
?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG39 OR DIAG42)) #OR CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
!RESTARTC +R1_POSTAMBLE		STRTC		
+RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	
Extended Comments:				

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Test Case Dynamic Behaviour

Reference:PACKET/P5/IMPROPER/P10
Identifier:P8_210
Purpose:Verify the IUT Clears a too long Clear Confirmation packet (110 octets appended to the end of the packet) received in state P5
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC) +P5_PREAMBLE				
[CCITT_80] !CLEARC START TD +SUBTREE		CLRC_U1(LCI)		1
[CCITT_84 OR ISO] !CLEARC START TD # +SUBTREE		CLRC_U110 (LCI)		
SUBTREE				
?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR DIAG16 #OR DIAG24 OR DIAG32 OR DIAG39)) OR #CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	
!CLEARC +R1_POSTAMBLE		CLRC_0(LCI)		
?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG16 OR DIAG24 OR DIAG32 OR #DIAG39)) OR CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
!RESTARTC +R1_POSTAMBLE		STRTC		
+RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	2

Extended Comments:

1) Basic Format Clear Confirmation: plus 110 octets.

2) no response

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Test Case Dynamic Behaviour				
Reference:PACKET/P5/INOPPORTUNE/P01 Identifier:P8_301 Purpose:Verify IUT clears an Incoming Call received in state P5 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC) +P5_PREAMBLE !CALL START TD +P5_INOPP +R1_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		CALL_0(LCI)	(P) F F	no response

Test Case Dynamic Behaviour				
Reference:PACKET/P5/INOPPORTUNE/P03 Identifier:P8_303 Purpose:Verify the IUT Clears a Clear Confirmation received in state P5 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC) +P5_PREAMBLE !CLEARC START TD +P5_INOPP +R1_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		CLRC_0(LCI)	(P) F F	1
Extended Comments: 1) no response				

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Test Case Dynamic Behaviour				
Reference:PACKET/P5/INOPPORTUNE/P04 Identifier:P8_304 Purpose:Verify the IUT Clears a Data packet received in state P5 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC) +P5_PREAMBLE !DATA START TD +P5_INOPP +R1_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		D_ONE(LCI)	(P) F F	 1
Extended Comments: 1) no response				

Test Case Dynamic Behaviour				
Reference:PACKET/P5/INOPPORTUNE/P05 Identifier:P8_305 Purpose:Verify the IUT Clear and Interrupt packet received in state P5 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC) +P5_PREAMBLE !INT START TD +P5_INOPP +R1_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		INT_0(LCI)	(P) F F	 1
Extended Comments: 1) no response				

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Test Case Dynamic Behaviour				
Reference:PACKET/P5/INOPPORTUNE/P06 Identifier:P8_306 Purpose:Verify the IUT Clears an Interrupt packet received in state P5 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC) +P5_PREAMBLE !INTC START TD +P5_INOPP +R1_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		INTC_0(LCI)	(P) F F	 1
Extended Comments: 1) no response				

Test Case Dynamic Behaviour				
Reference:PACKET/P5/INOPPORTUNE/P07 Identifier:P8_307 Purpose:Verify the IUT Clears a Receiver Ready (RR) packet received in state P5 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC) +P5_PREAMBLE !RR START TD +P5_INOPP +R1_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		RR_0(LCI)	(P) F F	 1
Extended Comments: 1) no response				

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Test Case Dynamic Behaviour				
Reference:PACKET/P5/INOPPORTUNE/P08 Identifier:P8_308 Purpose:Verify the IUT Clears a Receiver Ready (RNR) packet received in state P5 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC) +P5_PREAMBLE !RNR START TD +P5_INOPP +R1_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		RNR_0(LCI)	(P) F F	 1
Extended Comments: 1) no response				

Test Case Dynamic Behaviour				
Reference:PACKET/P5/INOPPORTUNE/P09 Identifier:P8_309 Purpose:Verify the IUT Clears a Reset Indication packet received in state P5 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC) +P5_PREAMBLE !RESET START TD +P5_INOPP +R1_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		RST_0(LCI)	(P) F F	 1
Extended Comments: 1) no response				

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Test Case Dynamic Behaviour				
Reference:PACKET/P5/INOPPORTUNE/P10 Identifier:P8_310 Purpose:Verify the IUT Clears a Reset Confirmation packet received in state P5 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC) +P5_PREAMBLE !RESETC START TD +P5_INOPP +R1_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		RSTC_0(LCI)	(P) F F	 1
Extended Comments: 1) no response				

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Packet Layer Group 9: State P6 DTE Clear Request

PLG 9 contains the test cases for the Setup and Clearing STATE p6, and does not include specific tests for optional facilities. STATE p6 is not applicable when testing Permanent Virtual Circuits or to IUTs which do not implement the CLEAR procedure.

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Test Case Dynamic Behaviour				
Reference:PACKET/P6/PROPER/P01 Identifier:P9_101 Purpose:Verify the IUT accepts a Clear with cause code '01'H received in state P6 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(SVC) +P6_PREAMBLE !CLEAR START TD ?TIMEOUT TD +R1_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD		CLR_C01(LCI)	(P) F	1
Extended Comments: 1) no response				

Test Case Dynamic Behaviour				
Reference:PACKET/P6/PROPER/P02 Identifier:P9_102 Purpose:Verify the IUT accepts a clear with cause code '05'H received in state P6 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(SVC) +P6_PREAMBLE !CLEAR START TD ?TIMEOUT TD +R1_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD		CLR_C05(LCI)	(P) F	1
Extended Comments: 1) no response				

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Test Case Dynamic Behaviour				
Reference:PACKET/P6/PROPER/P03 Identifier:P9_103 Purpose:Verify the IUT accepts a clear with cause code '11'H received in state P6 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(SVC) +P6_PREAMBLE !CLEAR START TD ?TIMEOUT TD +R1_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD		CLR_C11(LCI)	(P) F	1
Extended Comments: 1) no response				

Test Case Dynamic Behaviour				
Reference:PACKET/P6/PROPER/P04 Identifier:P9_104 Purpose:Verify the IUT accepts a clear with cause code '13'H received in state P6 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(SVC) +P6_PREAMBLE !CLEAR START TD ?TIMEOUT TD +R1_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD		CLR_C13(LCI)	(P) F	1
Extended Comments: 1) no response				

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Test Case Dynamic Behaviour				
Reference:PACKET/P6/PROPER/P05 Identifier:P9_105 Purpose:Verify the IUT accepts a clear with cause code '21'H received in state P6 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(SVC) +P6_PREAMBLE !CLEAR START TD ?TIMEOUT TD +R1_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD		CLR_C21(LCI)	 (P) F	 1
Extended Comments: 1) no response				

Test Case Dynamic Behaviour				
Reference:PACKET/P6/PROPER/P06 Identifier:P9_106 Purpose:Verify the IUT accepts a valid Clear Confirmation received in state P6 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(SVC) +P6_PREAMBLE !CLEARC START TD ?TIMEOUT TD +R1_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD		CLRC_0(LCI)	 (P) F	 1
Extended Comments: 1) no response				

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Test Case Dynamic Behaviour				
Reference:PACKET/P6/IMPROPER/P01 Identifier:P9_201 Purpose:Verify the IUT discards a too short packet (two octets) received in state P6 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(SVC) +P6_PREAMBLE !ERROR START TD ?TIMEOUT TD +P6_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD		ERR_SHT(LCI)	(P) F	1
Extended Comments: 1) no response				

Test Case Dynamic Behaviour				
Reference:PACKET/P6/IMPROPER/P02 Identifier:P9_202 Purpose:Verify the IUT discards an unidentifiable packet received in state P6 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(SVC) +P6_PREAMBLE !ERROR START TD ?TIMEOUT TD +P6_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD		ERR_B(LCI)	(P) F	1
Extended Comments: 1) no response				

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Test Case Dynamic Behaviour				
Reference:PACKET/P6/IMPROPER/P03 Identifier:P9_203 Purpose:Verify the IUT discards Restart (LCI <> zero) received in state P6 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(SVC) +P6_PREAMBLE !RESTART START TD ?TIMEOUT TD +P6_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD		STRT_NZ(LCI)	(P) F	1
Extended Comments: 1) no response				

Test Case Dynamic Behaviour				
Reference:PACKET/P6/IMPROPER/P04 Identifier:P9_204 Purpose:Verify the IUT discards a Restart Confirmation (LCI <> zero) received in state P6 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(SVC) +P6_PREAMBLE !RESTARTC START TD ?TIMEOUT TD +P6_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD		STRTC_NZ(LCI)	(P) F	1
Extended Comments: 1) no response				

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Test Case Dynamic Behaviour				
Reference:PACKET/P6/IMPROPER/P05 Identifier:P9_205 Purpose:Verify the IUT discards a too short Incoming Call (no called address field) received in state P6 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (SVC) +P6_PREAMBLE !CALL START TD ?TIMEOUT TD +P6_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD		CALL_SHT(LCI)	(P) F	1
Extended Comments: 1) no response				

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Test Case Dynamic Behaviour				
Reference:PACKET/P6/IMPROPER/P06 Identifier:P9_206 Purpose:Verify the IUT discards a too long Incoming Call packet (user data field of 17 or 129 octets) received in state P6 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(SVC) +P6_PREAMBLE [FAST_SELECT = TRUE] !CALL START TD # +SUBTREE [FAST_SELECT = FALSE] !CALL START TD +SUBTREE SUBTREE ?TIMEOUT TD +P6_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD		CALL_U129 (LCI) CALL_U17(LCI)	(P) F	1 1 2
Extended Comments: 1) if Fast Select is supported and in use then send 129 octets of user data, otherwise send 17 octets. 2) no response				

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Test Case Dynamic Behaviour

Reference:PACKET/P6/IMPROPER/P07
Identifier:P9_207
Purpose:Verify the IUT discards a too long Call Connected packet (user data field of 1 or 129 octets) received in state P6.
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(SVC) +P6_PREAMBLE				
[FAST_SELECT = TRUE] !ACCEPT START TD #		ANSR_0U129 (LCI)		1
+SUBTREE				
[FAST_SELECT = FALSE] !ACCEPT START TD		ANSR_0U1(LCI)		1
+SUBTREE				
SUBTREE				
?TIMEOUT TD			(P)	2
+P6_POSTAMBLE				
+RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD			F	

Extended Comments:

1) if Fast Select is supported and in use then send 129 octets of user data, otherwise send 1 octet of user data.

2) no response

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Test Case Dynamic Behaviour				
Reference:PACKET/P6/IMPROPER/P08 Identifier:P9_208 Purpose:Verify the IUT Clears a too short Clear Indication packet (no cause code or diagnostic code fields) received in state P6. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(SVC) +P6_PREAMBLE !CLEAR START TD ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG38)) OR CAUSE_EQ_128] CANCEL #TD +P6_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		CLR_SHT(LCI) CLR_1(LCI)	 (P) F F	 1 2
Extended Comments: 1) no information, not allowed, too short 2) no response				

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Test Case Dynamic Behaviour				
Reference:PACKET/P6/IMPROPER/P09 Identifier:P9_209 Purpose:Verify the IUT Clears a too long Clear Indication packet (user data field of 129 octets) received in state P6 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(SVC) +P6_PREAMBLE !CLEAR START TD ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG39 OR DIAG42)) OR #CAUSE_EQ_128] CANCEL +P6_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		CLR_LNG(LCI) CLR_1(LCI)	(P) F F	1
Extended Comments: 1) no response				

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Test Case Dynamic Behaviour				
Reference:PACKET/P6/IMPROPER/P10 Identifier:P9_210 Purpose:Verify the IUT Clears a too long Clear Confirmation (110 octets appended to the end of the packet) received in state P6. Default:				
Behaviour Description	**Label**	**Constraints Reference**	**V**	**Comments**
+P1_PREAMBLE(SVC) +P6_PREAMBLE [CCITT_80] !CLEARC START TD +SUBTREE [CCITT_84] !CLEARC START TD # +SUBTREE SUBTREE ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR DIAG16 #OR DIAG25 OR DIAG32 OR DIAG39)) OR #CAUSE_EQ_128] CANCEL +P6_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		CLRC_U1(LCI) CLRC_U110 (LCI) CLR_1(LCI)	 (P) F F	 1 2 3
Extended Comments: 1) Basic Format Clear Confirmation: 110 octets appended 2) no information, packet type invalid, invalid for p6, not allowed , too long 3) no response				

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Test Case Dynamic Behaviour				
Reference:PACKET/P6/INOPPORTUNE/P01 Identifier:P9_301 Purpose:Verify the IUT discards an Incoming Call packet received in state P6 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(SVC) +P6_PREAMBLE !CALL START TD ?TIMEOUT TD +P6_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD		CALL_0(LCI)	(P) F	
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/P6/INOPPORTUNE/P03 Identifier:P9_303 Purpose:Verify the IUT discards a Call Connected received in state P6 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (SVC) +P6_PREAMBLE !ACCEPT START TD ?TIMEOUT TD +P6_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD		ANSR_0(LCI)	(P) F	
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/P6/INOPPORTUNE/P04 Identifier:P9_304 Purpose:Verify the IUT discards a Data packet received in state P6 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(SVC) +P6_PREAMBLE !DATA START TD ?TIMEOUT TD +P6_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD		D_ONE(LCI)	 (P) F	
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/P6/INOPPORTUNE/P05 Identifier:P9_305 Purpose:Verify the IUT discards an Interrupt packet received in state P6 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(SVC) +P6_PREAMBLE !INT START TD ?TIMEOUT TD +P6_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD		INT_0(LCI)	 (P) F	
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/P6/INOPPORTUNE/P06 Identifier:P9_306 Purpose:Verify the IUT discards an Interrupt Confirm received in state P6 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(SVC) +P6_PREAMBLE !INTC START TD ?TIMEOUT TD +P6_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD		INTC_0(LCI)	 (P) F	
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/P6/INOPPORTUNE/P07 Identifier:P9_307 Purpose:Verify the IUT discards an RR packet received in state P6 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(SVC) +P6_PREAMBLE !RR START TD ?TIMEOUT TD +P6_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD		RR_0(LCI)	 (P) F	
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/P6/INOPPORTUNE/P08 Identifier:P9_308 Purpose:Verify the IUT discards an RNR packet received in state P6 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(SVC) +P6_PREAMBLE !RNR START TD ?TIMEOUT TD +P6_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD		RNR_0(LCI)	(P) F	
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/P6/INOPPORTUNE/P09 Identifier:P9_309 Purpose:Verify the IUT discards a Reset packet received in state P6 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(SVC) +P6_PREAMBLE !RESET START TD ?TIMEOUT TD +P6_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD		RST_0(LCI)	(P) F	
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/P6/INOPPORTUNE/P10 Identifier:P9_310 Purpose:Verify the IUT discards a Reset Confirmation received in state P6 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(SVC) +P6_PREAMBLE !RESETC START TD ?TIMEOUT TD +P6_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD		RSTC_0(LCI)	(P) F	
Extended Comments:				

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Packet Layer Group 10: State P7 DXE Clear Indication

PLG 10 contains the test cases for the Setup and Clearing STATE p7, and does not include specific tests for optional facilities. STATE p7 is a transient state and may not be observable. This packet layer test group is applicable only if the IUT implements the Packet Layer Protocol such that STATE p7 is observable. PLG 10 is not applicable when testing Permanent Virtual Circuit.

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Test Case Dynamic Behaviour				
Reference:PACKET/P7/IMPROPER/P01 Identifier:P10_201 Purpose:Verify the IUT Clears a too short packet (two octets) received in state P7 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (SVC) !CLEAR START TD_RESP ?TIMEOUT TD_RESP		CLR_0(LCI)		
!ERROR START TD_RESP ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG33 OR DIAG38)) OR #CAUSE_EQ_128] CANCEL		ERR_SHT(LCI) CLR_1(LCI)	(P)	1
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG32 OR DIAG33 #OR DIAG38)) OR CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
?TIMEOUT TD_RESP +P7_UNEXPECTED +P7_UNEXPECTED			F	
Extended Comments: 1) no information, not allowed, unidentifiable, too short				

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Test Case Dynamic Behaviour				
Reference:PACKET/P7/IMPROPER/P02 Identifier:P10_202 Purpose:Verify the IUT Clears an unidentifiable packet received in state P7 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (SVC) !CLEAR START TD_RESP ?TIMEOUT TD_RESP		CLR_0(LCI)		
!ERROR START TD_RESP ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG33)) OR CAUSE_EQ_128] CANCEL		ERR_B(LCI) CLR_1(LCI)	(P)	1
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG32 OR #DIAG33)) OR CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
?TIMEOUT TD_RESP +P7_UNEXPECTED +P7_UNEXPECTED			F	
Extended Comments: 1) no information, not allowed, unidentifiable				

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Test Case Dynamic Behaviour

Reference:PACKET/P7/IMPROPER/P03
Identifier:P10_203
Purpose:Verify the IUT Clears a Restart Indication (LCI <> zero) received in state P7
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (SVC) !CLEAR START TD_RESP ?TIMEOUT TD_RESP		CLR_0(LCI)		
!RESTART START TD_RESP ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG41)) OR CAUSE_EQ_128] CANCEL		STRT_NZ(LCI) CLR_1(LCI)	(P)	1
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG32 OR #DIAG41)) OR CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
?TIMEOUT TD_RESP +P7_UNEXPECTED +P7_UNEXPECTED			F	

Extended Comments:

1) no information, not allowed, non-zero lci

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Test Case Dynamic Behaviour				
Reference:PACKET/P7/IMPROPER/P04 Identifier:P10_204 Purpose:Verify the IUT Clears a Restart Confirmation (LCI <> zero) received in state P7 Default:				
Behaviour Description	**Label**	**Constraints Reference**	**V**	**Comments**
+P1_PREAMBLE (SVC) !CLEAR START TD_RESP ?TIMEOUT TD_RESP		CLR_0(LCI)		
!RESTARTC START TD_RESP ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG41)) OR CAUSE_EQ_128] CANCEL		STRTC_NZ(LCI) CLR_1(LCI)	(P)	1
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG32 OR #DIAG41)) OR CAUSE_EQ_128] CANCEL		STRT_IDTEA	(P)	
+GEN2_POSTAMBLE				
?TIMEOUT TD_RESP +P7_UNEXPECTED +P7_UNEXPECTED			F	
Extended Comments: 1) no information, not allowed, non-zero lci				

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Test Case Dynamic Behaviour				
Reference:PACKET/P7/IMPROPER/P05 Identifier:P10_205 Purpose:Verify the IUT in state P7 Clears a too short Incoming Call (no called address field) received in state P7 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (SVC) !CLEAR START TD_RESP ?TIMEOUT TD_RESP		CLR_0(LCI)		
!CALL START TD_RESP ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG38)) OR CAUSE_EQ_128] CANCEL		CALL_SHT(LCI) CLR_1(LCI)	(P)	1
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG32 OR #DIAG38)) OR CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
?TIMEOUT TD_RESP +P7_UNEXPECTED +P7_UNEXPECTED			F	
Extended Comments: 1) no information, not allowed, too short				

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Test Case Dynamic Behaviour				
Reference:PACKET/P7/IMPROPER/P06 Identifier:P10_206 Purpose:Verify the IUT Clears a too long Incoming Call (user data field of 17 or 129 octets) received in state P7 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (SVC) !CLEAR START TD_RESP ?TIMEOUT TD_RESP		CLR_0(LCI)		
[FAST_SELECT = TRUE] !CALL START TD_RESP # +SUBTREE		CALL_U129 (LCI)		1
[FAST_SELECT = FALSE] !CALL START TD_RESP +SUBTREE		CALL_U17(LCI)		1
+P7_UNEXPECTED				
SUBTREE				
?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR DIAG32 #OR DIAG39)) OR CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	2
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG32 OR DIAG39)) OR #CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
?TIMEOUT TD_RESP +P7_UNEXPECTED			F	
Extended Comments: 1) if Fast Select is supported and in use then send 129 octets of user data, otherwise send 17 octets. 2) no information, not allowed, too long				

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Test Case Dynamic Behaviour

Reference:PACKET/P7/IMPROPER/P07
Identifier:P10_207
Purpose:Verify the IUT Clears a too long Call Connected packet (user data field of 1 or 129 octets) received in state P7
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (SVC) !CLEAR START TD_RESP ?TIMEOUT TD_RESP		CLR_0(LCI)		
[FAST_SELECT = TRUE] !ACCEPT START TD_RESP # +SUBTREE		ANSR_0U129 (LCI)		1
[FAST_SELECT = FALSE] !ACCEPT START TD_RESP +SUBTREE		ANSR_0U1(LCI)		1
+P7_UNEXPECTED				
SUBTREE				
?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR DIAG32 #OR DIAG39)) OR CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	2
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG32 OR DIAG39)) OR #CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
?TIMEOUT TD_RESP +P7_UNEXPECTED			F	

Extended Comments:

1) if Fast Select is supported and in use then send 129 octets of user data, otherwise send 1 octet of user data.

2) no information, not allowed, too long

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Test Case Dynamic Behaviour				
Reference:PACKET/P7/IMPROPER/P08 Identifier:P10_208 Purpose:Verify the IUT discards a too short Clear Indication packet (no cause or diagnostic fields) received in state P7. Default:				
Behaviour Description	**Label**	**Constraints Reference**	**V**	**Comments**
+P1_PREAMBLE (SVC) !CLEAR START TD_RESP, START TO_P7, START #TD ?TIMEOUT TD_RESP		CLR_0 (LCI)		
!CLEAR ?TIMEOUT TO_P7 ?CLEARC CANCEL		CLR_SHT (LCI) CLRC_1 (LCI)	(P)	
+R1_POSTAMBLE				
?CLEAR CANCEL		CLR_1 (LCI)	(P)	
+R1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] CANCEL		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
?TIMEOUT TD ?OTHERWISE CANCEL			F F	
+P7_UNEXPECTED +P7_UNEXPECTED				
Extended Comments:				

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Test Case Dynamic Behaviour

Reference:PACKET/P7/IMPROPER/P09
Identifier:P10_209
Purpose:Verify the IUT discards a too long Clear Indication packet (user data field of 129 octets) received in state P7
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (SVC)				
!CLEAR START TD_RESP, START TO_P7, START #TD		CLR_0(LCI)		
?TIMEOUT TD_RESP				
!CLEAR		CLR_LNG(LCI)		
?TIMEOUT TO_P7				
?CLEARC CANCEL		CLRC_1(LCI)	(P)	
+R1_POSTAMBLE				
?CLEAR CANCEL		CLR_1(LCI)	(P)	
+R1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] CANCEL		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+P7_UNEXPECTED				
+P7_UNEXPECTED				

Extended Comments:

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Test Case Dynamic Behaviour				
Reference:PACKET/P7/IMPROPER/P10 Identifier:P10_210 Purpose:Verify the IUT Clears a too long Clear Confirmation packet (110 octets appended) received in state P7 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (SVC) !CLEAR START TD_RESP ?TIMEOUT TD_RESP !CLEARC START TD_RESP # ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG39)) OR CAUSE_EQ_128] CANCEL +GEN1_POSTAMBLE ?RESTART [RST_ON_ERR_C] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG32 OR #DIAG39)) OR CAUSE_EQ_128] CANCEL +GEN2_POSTAMBLE ?TIMEOUT TD_RESP +P7_UNEXPECTED +P7_UNEXPECTED		CLR_0(LCI) CLRC_U110 (LCI) CLR_1(LCI) STRT_1DTEA	(P) F	1
Extended Comments: 1) no information, not allowed, too long				

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Test Case Dynamic Behaviour

Reference:PACKET/P7/INOPPORTUNE/P01
Identifier:P10_301
Purpose:Verify the IUT Clears an Incoming Call received in state P7
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (SVC) !CLEAR START TD_RESP ?TIMEOUT TD_RESP		CLR_0(LCI)		
!CALL START TD_RESP ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG16 OR DIAG26)) OR CAUSE_EQ_128] CANCEL		CALL_0(LCI) CLR_1(LCI)	(P)	1
+GEN1_POSTAMBLE				
?RESTART [(CAUSE_EQ_0 AND (DIAG0 #OR DIAG16 OR DIAG26)) OR CAUSE_EQ_128] #CANCEL		STRT_LDTEA	(P)	
+GEN2_POSTAMBLE				
?TIMEOUT TD_RESP			F	no response
+P7_UNEXPECTED				
+P7_UNEXPECTED				

Extended Comments:

1) no information, packet type invalid, invalid for p7

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Test Case Dynamic Behaviour				
Reference:PACKET/P7/INOPPORTUNE/P03 Identifier:P10_303 Purpose:Verify the IUT Clears a Call Connected packet received in state P7 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (SVC) !CLEAR START TD_RESP ?TIMEOUT TD_RESP		CLR_0(LCI)		
!ACCEPT START TD_RESP ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG16 OR DIAG26)) OR CAUSE_EQ_128] CANCEL		ANSR_0(LCI) CLR_1(LCI)	(P)	1
+GEN1_POSTAMBLE				
?RESTART [(CAUSE_EQ_0 AND (DIAG0 #OR DIAG16 OR DIAG26)) OR CAUSE_EQ_128] #CANCEL		STRT_LDTEA	(P)	
+GEN2_POSTAMBLE				
?TIMEOUT TD_RESP +P7_UNEXPECTED			F	2
+P7_UNEXPECTED				
Extended Comments: 1) no information, packet type invalid, invalid for p7 2) no response				

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Test Case Dynamic Behaviour

Reference:PACKET/P7/INOPPORTUNE/P04
Identifier:P10_304
Purpose:Verify the IUT discards a Clear Indication with cause '01'H received in state P7
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (SVC)				
!CLEAR START TD_RESP, START TO_P7, START #TD		CLR_0(LCI)		
?TIMEOUT TD_RESP				
!CLEAR		CLR_C01(LCI)		
?TIMEOUT TO_P7				
?CLEARC CANCEL TD		CLRC_1(LCI)	(P)	
+R1_POSTAMBLE				
?CLEAR CANCEL TD		CLR_1(LCI)	(P)	
+R1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] CANCEL #TD		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+P7_UNEXPECTED				
+P7_UNEXPECTED				

Extended Comments:

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Test Case Dynamic Behaviour

Reference:PACKET/P7/INOPPORTUNE/P05
Identifier:P10_305
Purpose:Verify the IUT discards a Clear Indication with cause code '05'H received in state P7
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (SVC) !CLEAR START TD_RESP, START TO_P7, START #TD		CLR_0(LCI)		
?TIMEOUT TD_RESP				
!CLEAR		CLR_C05(LCI)		
?TIMEOUT TO_P7				
?CLEARC CANCEL TD		CLRC_1(LCI)	(P)	
+R1_POSTAMBLE				
?CLEAR CANCEL TD		CLR_1(LCI)	(P)	
+R1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] CANCEL #TD		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+P7_UNEXPECTED				
+P7_UNEXPECTED				

Extended Comments:

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Test Case Dynamic Behaviour

Reference:PACKET/P7/INOPPORTUNE/P06
Identifier:P10_306
Purpose:Verify the IUT discards a Clear Indication with cause '11'H received in state P7
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (SVC)				
!CLEAR START TD_RESP, START TO_P7, START #TD		CLR_0(LCI)		
?TIMEOUT TD_RESP				
!CLEAR		CLR_C11(LCI)		
?TIMEOUT TO_P7				
?CLEARC CANCEL TD		CLRC_1(LCI)	(P)	
+R1_POSTAMBLE				
?CLEAR CANCEL TD		CLR_1(LCI)	(P)	
+R1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] CANCEL #TD		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+P7_UNEXPECTED				
+P7_UNEXPECTED				

Extended Comments:

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Test Case Dynamic Behaviour

Reference:PACKET/P7/INOPPORTUNE/P07
Identifier:P10_307
Purpose:Verify the IUT discards a Clear Indication with cause '13'H
received in state P7
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (SVC)				
!CLEAR START TD_RESP, START TO_P7, START #TD		CLR_0(LCI)		
?TIMEOUT TD_RESP				
!CLEAR		CLR_C13(LCI)		
?TIMEOUT TO_P7				
?CLEARC CANCEL TD		CLRC_1(LCI)	(P)	
+R1_POSTAMBLE				
?CLEAR CANCEL TD		CLR_1(LCI)	(P)	
+R1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] CANCEL #TD		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+P7_UNEXPECTED				
+P7_UNEXPECTED				

Extended Comments:

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Test Case Dynamic Behaviour				
Reference:PACKET/P7/INOPPORTUNE/P08 Identifier:P10_308 Purpose:Verify the IUT discards a Clear Indication with cause '21'H received in state P7 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (SVC) !CLEAR START TD_RESP, START TO_P7, START #TD		CLR_0(LCI)		
?TIMEOUT TD_RESP				
!CLEAR		CLR_C21(LCI)		
?TIMEOUT TO_P7				
?CLEARC CANCEL TD		CLRC_1(LCI)	(P)	
+R1_POSTAMBLE				
?CLEAR CANCEL TD		CLR_1(LCI)	(P)	
+R1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] CANCEL #TD		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
+P7_UNEXPECTED				
+P7_UNEXPECTED				
Extended Comments:				

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Test Case Dynamic Behaviour

Reference:PACKET/P7/INOPPORTUNE/P09
Identifier:P10_309
Purpose:Verify the IUT clears a Clear Confirm packet received in state P7
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (SVC) !CLEAR START TD_RESP ?TIMEOUT TD_RESP		CLR_0(LCI)		
!CLEARC START TD_RESP ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG16) OR DIAG26) OR CAUSE_EQ_128] CANCEL		CLRC_0(LCI) CLR_1(LCI)	(P)	1
!CLEARC +R1_POSTAMBLE		CLRC_0(LCI)		
?RESTART [RST_ON_ERR_C] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG16) OR #DIAG26) OR CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
!RESTARTC +R1_POSTAMBLE		STRTC		
?TIMEOUT TD_RESP +P7_UNEXPECTED			F	2
+P7_UNEXPECTED				

Extended Comments:

1) no information, packet type invalid, invalid for p7, setup/clearing

2) no response

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Test Case Dynamic Behaviour				
Reference:PACKET/P7/INOPPORTUNE/P10 Identifier:P10_310 Purpose:Verify that IUT clears a Data packet received in state P7 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (SVC) !CLEAR START TD_RESP ?TIMEOUT TD_RESP		CLR_0(LCI)		
!DATA ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG16 OR DIAG26)) OR CAUSE_EQ_128] CANCEL		D_ONE(LCI) CLR_1(LCI)	(P)	1
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG16 OR #DIAG26)) OR CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
?TIMEOUT TD_RESP +P7_UNEXPECTED			F	
+P7_UNEXPECTED				
Extended Comments: 1) no information, packet type invalid, invalid for p7				

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Test Case Dynamic Behaviour				
Reference:PACKET/P7/INOPPORTUNE/P11 Identifier:P10_311 Purpose:Verify the IUT clears an Interrupt packet received in state P7 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (SVC) !CLEAR START TD_RESP ?TIMEOUT TD_RESP		CLR_0(LCI)		
!INT START TD_RESP ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG16 OR DIAG26 OR DIAG32 OR DIAG44)) OR #CAUSE_EQ_128] CANCEL		INT_0(LCI) CLR_1(LCI)	(P)	1
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG16 OR DIAG26 #OR DIAG32 OR DIAG44)) OR CAUSE_EQ_128] #CANCEL		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
?TIMEOUT TD_RESP +P7_UNEXPECTED +P7_UNEXPECTED			F	
Extended Comments: 1) no information, packet type invalid, invalid for p7, not allowed, unauthorized interrupt				

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Test Case Dynamic Behaviour

Reference:PACKET/P7/INOPPORTUNE/P12
Identifier:P10_312
Purpose:Verify the IUT clears an Interrupt Confirmation received in state P7
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (SVC) !CLEAR START TD_RESP ?TIMEOUT TD_RESP		CLR_0(LCI)		
!INTC START TD_RESP ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG16 OR DIAG26 OR DIAG32 OR DIAG43)) OR #CAUSE_EQ_128] CANCEL		INTC_0(LCI) CLR_1(LCI)	(P)	1
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG16 OR DIAG26 #OR DIAG32 OR DIAG43)) OR CAUSE_EQ_128] #CANCEL		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
?TIMEOUT TD_RESP +P7_UNEXPECTED			F	
+P7_UNEXPECTED				

Extended Comments:

1) no information, packet type invalid, invalid for p7, not allowed, unauthorized interrupt confirmation

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Test Case Dynamic Behaviour				
Reference:PACKET/P7/INOPPORTUNE/P13 Identifier:P10_313 Purpose:Verify the IUT clears an RR packet received in state P7 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (SVC) !CLEAR START TD_RESP ?TIMEOUT TD_RESP		CLR_0(LCI)		
!RR START TD_RESP ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG16 OR DIAG26 OR DIAG32)) OR #CAUSE_EQ_128] CANCEL		RR_A(LCI) CLR_1(LCI)	(P)	1
+GEN1_POSTAMBLE				
?RESTART [(CAUSE_EQ_0 AND (DIAG0 #OR DIAG16 OR DIAG26 OR DIAG32)) OR #CAUSE_EQ_128] CANCEL		STRT_IDTEA	(P)	
+GEN2_POSTAMBLE				
?TIMEOUT TD_RESP +P7_UNEXPECTED +P7_UNEXPECTED			F	no response
Extended Comments: 1) no information, packet type invalid, invalid for p7, not allowed				

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Test Case Dynamic Behaviour

Reference:PACKET/P7/INOPPORTUNE/P14
Identifier:P10_314
Purpose:Verify the IUT clears RNR packet received in state P7
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (SVC) !CLEAR START TD_RESP ?TIMEOUT TD_RESP		CLR_0(LCI)		
!RNR START TD_RESP ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG16 OR DIAG26 OR DIAG32)) OR #CAUSE_EQ_128] CANCEL		RNR_0(LCI) CLR_1(LCI)	(P)	1
+GEN1_POSTAMBLE				
?RESTART [(CAUSE_EQ_0 AND (DIAG0 #OR DIAG16 OR DIAG26 OR DIAG32)) OR #CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
?TIMEOUT TD_RESP +P7_UNEXPECTED +P7_UNEXPECTED			F	no response

Extended Comments:

1) no information, packet type invalid, invalid for p7, not allowed

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Test Case Dynamic Behaviour				
Reference:PACKET/P7/INOPPORTUNE/P15 Identifier:P10_315 Purpose:Verify the IUT clears a Reset packet received in state P7 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (SVC) !CLEAR START TD_RESP ?TIMEOUT TD_RESP		CLR_0(LCI)		
!RESET ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG16 OR DIAG26 OR DIAG32)) OR #CAUSE_EQ_128] CANCEL		RST_0(LCI) CLR_1(LCI)	(P)	1
+GEN1_POSTAMBLE				
?RESTART [(CAUSE_EQ_0 AND (DIAG0 #OR DIAG16 OR DIAG26 OR DIAG32)) OR #CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
?TIMEOUT TD_RESP +P7_UNEXPECTED +P7_UNEXPECTED			F	2
Extended Comments: 1) no information, packet type invalid, invalid for p7, not allowed 2) no response				

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Test Case Dynamic Behaviour

Reference:PACKET/P7/INOPPORTUNE/P16
Identifier:P10_316
Purpose:Verify the IUT clears a Reset Confirmation received in state P7
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (SVC) !CLEAR START TD_RESP ?TIMEOUT TD_RESP		CLR_0(LCI)		
!RESETC START TD_RESP ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG16 OR DIAG26 OR DIAG32)) OR #CAUSE_EQ_128] CANCEL TO_P7		RSTC_0(LCI) CLR_1(LCI)	(P)	1
+GEN1_POSTAMBLE				
?RESTART [(CAUSE_EQ_0 AND (DIAG0 #OR DIAG16 OR DIAG26 OR DIAG32)) OR #CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
?TIMEOUT TD_RESP +P7_UNEXPECTED			F	2
+P7_UNEXPECTED				

Extended Comments:

1) no information, packet type invalid, invalid for p7, not allowed

2) no response

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Packet Layer Group 11: State D1 Flow Control Ready

PLG 11 contains the test cases for the Reset STATE d1, and does not include specific tests for optional facilities. This packet layer test group is applicable to IUTs supporting Permanent Virtual Circuit and/or Virtual Call services.

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Test Case Dynamic Behaviour				
Reference:PACKET/D1/PROPER/P01 Identifier:P11_101 Purpose:Verify the IUT accepts a Reset Indication received in state D1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE !RESET START TD ?RESETC CANCEL TD +D1_POSTAMBLE ?RESET CANCEL TD +D1_POSTAMBLE ?CLEAR [CLR_ON_ERR_R] CANCEL TD +D_STATE_CLR ?RESTART [RST_ON_ERR_R] CANCEL TD +D_STATE_RES +D1_UNEXPECTED GOTO L1 +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD	L1	RST_0(LCI) RSTC_1(LCI) RST_1(LCI) CLR_1(LCI) STRT_1DTEA	(P) (P) (P) (P) F F	1
Extended Comments: 1) no response				

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Test Case Dynamic Behaviour				
Reference:PACKET/D1/PROPER/P02 Identifier:P11_102 Purpose:Verify the IUT can accept Data in state D1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE !DATA START TD ?RR CANCEL TD +D1_POSTAMBLE ?TIMEOUT TD +D1_POSTAMBLE +D1_UNEXPECTED GOTO L1 +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD	L1	D_ONE(LCI) RR_1A(LCI)	(P) (P) F	
Extended Comments: This test case is only applicable to IUTs that support Reset.				

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Test Case Dynamic Behaviour				
Reference:PACKET/D1/PROPER/P03 Identifier:P11_103 Purpose:Verify the IUT can accept Data after a Reset/Reset Confirmation exchange in state D1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE !DATA START TD ?RR CANCEL TD +SUBTREE ?TIMEOUT TD +SUBTREE +D1_UNEXPECTED GOTO L1 +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD SUBTREE !RESET START TD ?RESETC CANCEL TD !DATA START TD ?RR CANCEL TD +D1_POSTAMBLE ?TIMEOUT TD +D1_POSTAMBLE +D1_UNEXPECTED GOTO L3 +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD	L1 L2 L3	D_ONE(LCI) RR_1A(LCI) RST_0(LCI) RSTC_1(LCI) D_ONE(LCI) RR_1A(LCI)	F (P) (P) F	

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[2]

Behaviour Description	Label	Constraints Reference	V	Comments
+D1_UNEXPECTED GOTO L2 +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD			 F F	
Extended Comments: This test case is only applicable to IUTs that support Reset.				

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Test Case Dynamic Behaviour

Reference:PACKET/D1/IMPROPER/P01
Identifier:P11_201
Purpose:Verify the IUT Resets a too short packet (two octets) received in state D1
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE				
!ERROR START TD ?RESET [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG33 OR DIAG38)) OR #CAUSE_EQ_128] CANCEL	L1	ERR_SHT(LCI) RST_1(LCI)	(P)	1
+D2_POSTAMBLE				
?CLEAR [CLR_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG33 OR DIAG38)) #OR CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	
+D_STATE_CLR				
?RESTART [RST_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG33 OR DIAG38)) #OR CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+D_STATE_RES				
+D1C_UNEXPECTED GOTO L1				
+CLR_UNEXPECTED +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	no response

Extended Comments:

1) no information, not allowed, unidentifiable packet, too short

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Test Case Dynamic Behaviour				
Reference:PACKET/D1/IMPROPER/P02 Identifier:P11_202 Purpose:Verify the IUT Resets an unidentifiable packet (PTI field equals '0D'H) received in state D1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE !ERROR START TD ?RESET [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG33)) OR CAUSE_EQ_128] CANCEL #TD +D2_POSTAMBLE ?CLEAR [CLR_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG33)) OR #CAUSE_EQ_128] CANCEL TD +D_STATE_CLR ?RESTART [RST_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG33)) OR #CAUSE_EQ_128] CANCEL TD +D_STATE_RES +D1C_UNEXPECTED GOTO L1 +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD	L1	ERR_B(LCI) RST_1(LCI) CLR_1(LCI) STRT_1DTEA	(P) (P) (P) F F	1
Extended Comments: 1) no information, not allowed, unidentifiable				

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Test Case Dynamic Behaviour

Reference:PACKET/D1/IMPROPER/P03
Identifier:P11_203
Purpose:Verify the IUT Resets a Restart Indication with an assigned LCI
not equal to zero received in state D1
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE				
!RESTART START TD ?RESET [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG41)) OR CAUSE_EQ_128] CANCEL	L1	STRT_NZ(LCI) RST_1(LCI)	(P)	1
+D2_POSTAMBLE				
?CLEAR [CLR_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG41)) OR #CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	
+D_STATE_CLR				
?RESTART [RST_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG41)) OR #CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+D_STATE_RES				
+D1_UNEXPECTED GOTO L1				
+CLR_UNEXPECTED				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	no response
?OTHERWISE CANCEL TD			F	

Extended Comments:

1) no information, not allowed, non-zero lci

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Test Case Dynamic Behaviour

Reference:PACKET/D1/IMPROPER/P04
Identifier:P11_204
Purpose:Verify the IUT Resets a Restart Confirmation packet with an assigned LCI not equal to zero received in state D1
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE				
!RESTARTC START TD ?RESET [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG41)) OR CAUSE_EQ_128] CANCEL	L1	STRTC_NZ(LCI) RST_1(LCI)	(P)	1
+D2_POSTAMBLE				
?CLEAR [CLR_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG41)) OR #CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	
+D_STATE_CLR				
?RESTART [RST_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG41)) OR #CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+D_STATE_RES				
+D1_UNEXPECTED GOTO L1				
+CLR_UNEXPECTED				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	no response
?OTHERWISE CANCEL TD			F	

Extended Comments:

1) no information, not allowed, non-zero lci

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Test Case Dynamic Behaviour

Reference:PACKET/D1/IMPROPER/P05
Identifier:P11_205
Purpose:Verify the IUT Resets a too short Reset Indication (Diagnostic field is NIL) received in state D1
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE				
!RESET START TD ?RESET [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG38)) OR CAUSE_EQ_128] CANCEL	L1	RST_SHT(LCI) RST_1(LCI)	(P)	1
+D2_POSTAMBLE				
?CLEAR [CLR_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG38)) OR #CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	
+D_STATE_CLR				
?RESTART [RST_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG38)) OR #CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+D_STATE_RES				
+D1_UNEXPECTED GOTO L1				
+CLR_UNEXPECTED				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	

Extended Comments:

1) no information, not allowed, too short

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Test Case Dynamic Behaviour				
Reference:PACKET/D1/IMPROPER/P06 Identifier:P11_206 Purpose:Verify the IUT Resets a too long Reset Indication (one octet appended) received in state D1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE				
!RESET START TD ?RESET [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG39)) OR CAUSE_EQ_128] CANCEL	L1	RST_L(LCI) RST_1(LCI)	(P)	1
+D2_POSTAMBLE				
?CLEAR [CLR_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG39)) OR #CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	
+D_STATE_CLR				
?RESTART [RST_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG39)) OR #CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+D_STATE_RES				
+D1_UNEXPECTED GOTO L1				
+CLR_UNEXPECTED +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	no response
Extended Comments: 1) no information, not allowed, too long				

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Test Case Dynamic Behaviour

Reference:PACKET/D1/IMPROPER/P07
Identifier:P11_207
Purpose:Verify the IUT Resets a too long Reset Confirmation packet (one octet appended) received in state D1
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE				
!RESETC START TD ?RESET [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG16 OR DIAG27 OR DIAG32 OR DIAG39)) OR #CAUSE_EQ_128] CANCEL	L1	RSTC_L(LCI) RST_1(LCI)	(P)	1
+D2_POSTAMBLE				
?CLEAR [CLR_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG16 OR DIAG27 OR DIAG32 #OR DIAG39)) OR CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	
+D_STATE_CLR				
?RESTART [RST_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG16 OR DIAG27 OR DIAG32 #OR DIAG39)) OR CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+D_STATE_RES				
+D1_UNEXPECTED GOTO L1				
+CLR_UNEXPECTED				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	no response
?OTHERWISE CANCEL TD			F	

Extended Comments:

1) no information, not allowed, too long

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Test Case Dynamic Behaviour				
Reference:PACKET/D1/INOPPORTUNE/P01 Identifier:P11_301 Purpose:Verify the IUT resets a Reset Confirmation received in state D1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+D1_PVC_PREAMBLE				
!RESETC START TD ?RESET [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG16 OR DIAG27)) OR CAUSE_EQ_128] CANCEL	L1	RSTC_0(LCI) RST_1(LCI)	(P)	1
+D2_POSTAMBLE				
?CLEAR [CLR_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG16 OR DIAG27)) OR #CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	
+D_STATE_CLR				
?RESTART [RST_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG16 OR DIAG27)) OR #CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+D_STATE_RES				
+D1_UNEXPECTED GOTO L1				
+CLR_UNEXPECTED +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	no response
Extended Comments: 1) no information, packet type invalid, invalid for d1				

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Test Case Dynamic Behaviour

Reference:PACKET/D1/INOPPORTUNE/P02
Identifier:P11_302
Purpose:Verify the IUT Resets an Incoming Call packet received on a PVC in state D1
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+D1_PVC_PREAMBLE				
!CALL START TD		CALL_0(LCI)		
?RESET CANCEL TD	L1	RST_1(LCI)	(P)	
+D2_POSTAMBLE				
?RESTART [RST_ON_ERR_R_PVC] CANCEL TD		STRT_1DTEA	(P)	
+D_STATE_RES				
+D1_UNEXPECTED				
GOTO L1				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	1
?OTHERWISE CANCEL TD			F	

Extended Comments:

1) no response

This test case is only applicable to IUTs supporting PVCs.

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Test Case Dynamic Behaviour				
Reference:PACKET/D1/INOPPORTUNE/P03 Identifier:P11_303 Purpose:Verify the IUT Resets a Clear Indication received on a PVC in state D1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+D1_PVC_PREAMBLE				
!CLEAR START TD		CLR_0(LCI)		
?RESET CANCEL TD	L1	RST_1(LCI)	(P)	
+D2_POSTAMBLE				
?RESTART [RST_ON_ERR_R_PVC] CANCEL TD		STRT_1DTEA	(P)	
+D_STATE_RES				
+D1_UNEXPECTED GOTO L1				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	1
?OTHERWISE CANCEL TD			F	
Extended Comments: 1) no response This test case is only applicable to IUTs supporting PVCs.				

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Packet Layer Group 12: State D2 DTE Reset Request

PLG 12 contains the test cases for the Reset STATE d2, and does not include specific tests for optional facilities. This packet layer test group is applicable to IUTs supporting Permanent Virtual Circuit and/or Virtual Call services.

For IUTs supporting Clears or Restarts in response to errors, state D2 is not attainable.

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Test Case Dynamic Behaviour				
Reference:PACKET/D2/PROPER/P01 Identifier:P12_101 Purpose:Verify the IUT changes to state D1 when a Reset Indication is received in state D2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE +D2_PREAMBLE !RESET START TD ?TIMEOUT TD +D1_POSTAMBLE +D1C_UNEXPECTED GOTO L1 +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD	L1	RST_0(LCI)	(P) F	

Test Case Dynamic Behaviour				
Reference:PACKET/D2/PROPER/P02 Identifier:P12_102 Purpose:Verify the IUT is in state D1 after receiving a Reset Confirmation while in state D2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE +D2_PREAMBLE !RESETC CANCEL TD ?TIMEOUT TD +D1_POSTAMBLE +D1C_UNEXPECTED GOTO L1 +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD	L1	RSTC_0(LCI)	(P) F	

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Test Case Dynamic Behaviour				
Reference:PACKET/D2/IMPROPER/P01 Identifier:P12_201 Purpose:Verify the IUT discards a too short packet (two octets) received in state D2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE +D2_PREAMBLE !ERROR START TD ?TIMEOUT TD +D2_POSTAMBLE +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD		ERR_SHT(LCI)	(P) F	

Test Case Dynamic Behaviour				
Reference:PACKET/D2/IMPROPER/P02 Identifier:P12_202 Purpose:Verify the IUT discards an unidentifiable packet (PTI = '0D'H) received in state D2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE +D2_PREAMBLE !ERROR START TD ?TIMEOUT TD +D2_POSTAMBLE +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD		ERR_B(LCI)	(P) F	

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Test Case Dynamic Behaviour				
Reference:PACKET/D2/IMPROPER/P03 Identifier:P12_203 Purpose:Verify the IUT discards a Restart with an assigned LCI not equal to zero received in state D2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE +D2_PREAMBLE !RESTART START TD ?TIMEOUT TD +D2_POSTAMBLE +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD		STRT_NZ(LCI)	(P) F	

Test Case Dynamic Behaviour				
Reference:PACKET/D2/IMPROPER/P04 Identifier:P12_204 Purpose:Verify the IUT discards a Restart Confirmation with an assigned LCI not equal to zero received in state D2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE +D2_PREAMBLE !RESTARTC START TD ?TIMEOUT TD +D2_POSTAMBLE +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD		STRTC_NZ(LCI)	(P) F	

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Test Case Dynamic Behaviour				
Reference:PACKET/D2/IMPROPER/P05 Identifier:P12_205 Purpose:Verify the IUT Resets a too short Reset Indication received in state D2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE +D2_PREAMBLE !RESET START TD ?RESET [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG38)) OR CAUSE_EQ_128] CANCEL +D2_POSTAMBLE +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		RST_SHT(LCI) RST_1(LCI)	(P) F F	1 no response
Extended Comments: 1) no information, not allowed, too short				

Test Case Dynamic Behaviour				
Reference:PACKET/D2/IMPROPER/P06 Identifier:P12_206 Purpose:Verify the IUT Resets a too long Reset Indication (one octet appended) received in state D2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE +D2_PREAMBLE !RESET START TD ?RESET [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG39)) OR CAUSE_EQ_128] CANCEL +D2_POSTAMBLE +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		RST_L(LCI) RST_1(LCI)	(P) F F	1 no response
Extended Comments: 1) no information, not allowed, too long				

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Test Case Dynamic Behaviour				
Reference:PACKET/D2/IMPROPER/P07 Identifier:P12_207 Purpose:Verify the IUT Resets long Reset Confirmation packet (one octet appended) received in state D2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE +D2_PREAMBLE !RESETC START TD ?RESET [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG39)) OR CAUSE_EQ_128] CANCEL +D2_POSTAMBLE +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		RSTC_L(LCI) RST_1(LCI)	 (P) F F	 1 2
Extended Comments: 1) no information, not allowed, too long 2) no response				

Test Case Dynamic Behaviour				
Reference:PACKET/D2/INOPPORTUNE/P01 Identifier:P12_301 Purpose:Verify the IUT discards an Interrupt packet received in state D2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE +D2_PREAMBLE !INT START TD ?TIMEOUT TD +D2_POSTAMBLE +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD		INT_0(LCI)	 (P) F	 1
Extended Comments: 1) no response				

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Test Case Dynamic Behaviour

Reference:PACKET/D2/INOPPORTUNE/P02
Identifier:P12_302
Purpose:Verify the IUT discards an Interrupt Confirmation packet received in state D2
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE +D2_PREAMBLE				
!INTC START TD		INTC_0(LCI)		
?TIMEOUT TD			(P)	1
+D2_POSTAMBLE				
+CLR_UNEXPECTED +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD			F	

Extended Comments: 1) no response

Test Case Dynamic Behaviour

Reference:PACKET/D2/INOPPORTUNE/P03
Identifier:P12_303
Purpose:Verify the IUT discards a Data packet received in D2
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE +D2_PREAMBLE				
!DATA START TD		D_ONE(LCI)		
?TIMEOUT TD			(P)	1
+D2_POSTAMBLE				
+CLR_UNEXPECTED +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD			F	

Extended Comments: 1) no response

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Test Case Dynamic Behaviour				
Reference:PACKET/D2/INOPPORTUNE/P04 Identifier:P12_304 Purpose:Verify the IUT discards an RR packet received in D2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE +D2_PREAMBLE !RR START TD ?TIMEOUT TD +D2_POSTAMBLE +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD		RR_0(LCI)	(P) F	1
Extended Comments: 1) no response				

Test Case Dynamic Behaviour				
Reference:PACKET/D2/INOPPORTUNE/P05 Identifier:P12_305 Purpose:Verify the IUT discards an RNR packet received in D2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE +D2_PREAMBLE !RNR START TD ?TIMEOUT TD +D2_POSTAMBLE +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD		RNR_0(LCI)	(P) F	no response

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Test Case Dynamic Behaviour				
Reference:PACKET/D2/INOPPORTUNE/P06 Identifier:P12_306 Purpose:Verify the IUT discards an Incoming Call packet received on a PVC in state D2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (PVC) +P4D1_PREAMBLE +D2_PREAMBLE !CALL START TD ?TIMEOUT TD +D2_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD		CALL_0(LCI)	(P) F	no response
Extended Comments: This test case is only applicable to IUTs supporting PVCs.				

Test Case Dynamic Behaviour				
Reference:PACKET/D2/INOPPORTUNE/P07 Identifier:P12_307 Purpose:Verify the IUT discards a Clear Indication packet received on a PVC in state D2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+D1_PVC_PREAMBLE +D2_PREAMBLE !CLEAR START TD ?TIMEOUT TD +D2_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD		CLR_0(LCI)	(P) F	1
Extended Comments: 1) no response This test case is only applicable to IUTs supporting PVCs.				

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Packet Layer Group 13: State D3 DXE Reset Indication

PLG 13 contains the test cases for the Reset STATE d3, and does not include specific tests for optional facilities. STATE d3 is a transient state and may not be observable. This packet layer test group is applicable to IUTs supporting Permanent Virtual Circuit and/or Virtual Call services which implement the Packet Layer Protocol such that STATE d3 is observable.

For IUTs supporting Clears or Restarts in response to errors, state D3 is not attainable.

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Test Case Dynamic Behaviour

Reference:PACKET/D3/IMPROPER/P01
Identifier:P13_201
Purpose:Verify the IUT Resets a too short packet (two octets) received in state D3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC)				
+P4D1_PREAMBLE				
!RESET START TD_RESP		RST_0(LCI)		
?TIMEOUT TD_RESP	L1			
!ERROR START TD_RESP		ERR_SHT(LCI)		
?RESET [(CAUSE_EQ_0 AND (DIAG0 #OR DIAG32 OR DIAG33 OR DIAG38)) OR #CAUSE_EQ_128] CANCEL	L2	RST_1(LCI)	(P)	1
+D2_POSTAMBLE				
+D1C_UNEXPECTED				
GOTO L2				
?TIMEOUT TD_RESP			F	
+D3_UNEXPECTED				
+D1C_UNEXPECTED				
GOTO L1				
+D3_UNEXPECTED				

Extended Comments:

1) no information, not allowed, too short

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Test Case Dynamic Behaviour

Reference:PACKET/D3/IMPROPER/P02
Identifier:P13_202
Purpose:Verify the IUT Resets or Discards an unidentifiable packet (PTI field equals '0D'H) received in state D3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE !RESET START TD_RESP, START TO_D3, #START TD		RST_0(LCI)		
?TIMEOUT TD_RESP	L1			
!ERROR [ISO] START TD_RESP, CANCEL TO_D3, #CANCEL TD		ERR_B(LCI)		
?RESET [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG32 OR DIAG33 OR DIAG35)) OR #CAUSE_EQ_128] CANCEL	L2	RST_1(LCI)	(P)	1, 2
+D1_POSTAMBLE				
+D1C_UNEXPECTED GOTO L2				
?TIMEOUT TD_RESP +D3_UNEXPECTED			F	
[CCITT_80 OR CCITT_84] ?TIMEOUT TO_D3 ?RESETC CANCEL	L3	RSTC_1(LCI)	(P)	
+D1_POSTAMBLE				
?RESET CANCEL		RST_1(LCI)	(P)	
+D1_POSTAMBLE				
+D1C_UNEXPECTED GOTO L3				
+D3_UNEXPECTED +D3_UNEXPECTED				

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Behaviour Description	Label	Constraints Reference	V	Comments
+D1C_UNEXPECTED GOTO L1 +D3_UNEXPECTED				

Extended Comments:

1) ISO IUTs must send a Reset

2) no information, not allowed, unidentifiable, invalid for pvc

Test Case Dynamic Behaviour

Reference:PACKET/D3/IMPROPER/P03
Identifier:P13_203
Purpose:Verify the IUT Resets a Restart with an assigned LCI not equal to zero received in state D3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE !RESET START TD_RESP ?TIMEOUT TD_RESP	 L1	 RST_0(LCI)		
!RESTART START TD_RESP ?RESET [(CAUSE_EQ_0 AND (DIAG0 #OR DIAG32 OR DIAG41)) OR CAUSE_EQ_128] #CANCEL	L2	STRT_NZ(LCI) RST_1(LCI)	(P)	1
+D2_POSTAMBLE +D1C_UNEXPECTED GOTO L2 ?TIMEOUT TD_RESP +D3_UNEXPECTED			F	
+D1C_UNEXPECTED GOTO L1 +D3_UNEXPECTED				

Extended Comments:

1) no information, not allowed, non-zero, lci

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Test Case Dynamic Behaviour				
Reference:PACKET/D3/IMPROPER/P04 Identifier:P13_204 Purpose:Verify the IUT Resets a Restart Confirmation on an assigned LCI not equal to zero received in state D3 Default:				
Behaviour Description	**Label**	**Constraints Reference**	**V**	**Comments**
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE !RESET START TD_RESP ?TIMEOUT TD_RESP	 L1	 RST_0(LCI)	 	
!RESTARTC START TD_RESP ?RESET [(CAUSE_EQ_0 AND (DIAG0 #OR DIAG32 OR DIAG41)) OR CAUSE_EQ_128] #CANCEL	 L2	STRTC_NZ(LCI) RST_1(LCI)	 (P)	 1
+D2_POSTAMBLE				
+D1C_UNEXPECTED GOTO L2				
?TIMEOUT TD_RESP +D3_UNEXPECTED			F	
+D1C_UNEXPECTED GOTO L1				
+D3_UNEXPECTED				
Extended Comments: 1) no information, not allowed, non-zero lci				

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Test Case Dynamic Behaviour

Reference:PACKET/D3/IMPROPER/P05
Identifier:P13_205
Purpose:Verify the IUT Resets a too short Reset Indication (Cause field is NIL, Diagnostic field is NIL) received in state D3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE !RESET START TD_RESP ?TIMEOUT TD_RESP	L1	RST_0(LCI)		
!RESET START TD_RESP ?RESET [(CAUSE_EQ_0 AND (DIAG0 #OR DIAG32 OR DIAG38)) OR CAUSE_EQ_128] #CANCEL	L2	RST_SHT(LCI) RST_1(LCI)	(P)	1
+D2_POSTAMBLE				
+D1C_UNEXPECTED GOTO L2				
?TIMEOUT TD_RESP +D3_UNEXPECTED			F	
+D1C_UNEXPECTED GOTO L1				
+D3_UNEXPECTED				

Extended Comments:

1) no information, not allowed, too short

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Test Case Dynamic Behaviour				
Reference:PACKET/D3/IMPROPER/P06 Identifier:P13_206 Purpose:Verify the IUT Resets a too long Reset Indication (one octet appended) received in state D3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE !RESET START TD_RESP ?TIMEOUT TD_RESP	 L1	 RST_0(LCI)	 	
!RESET START TD_RESP ?RESET [(CAUSE_EQ_0 AND (DIAG0 #OR DIAG32 OR DIAG39)) OR CAUSE_EQ_128] #CANCEL	 L2	 RST_L(LCI) RST_1(LCI)	 (P)	 1
+D2_POSTAMBLE				
+D1C_UNEXPECTED GOTO L2				
?TIMEOUT TD_RESP +D3_UNEXPECTED			F	
+D1C_UNEXPECTED GOTO L1				
+D3_UNEXPECTED				
Extended Comments: 1) no information, not allowed, too long				

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Test Case Dynamic Behaviour

Reference:PACKET/D3/IMPROPER/P07
Identifier:P13_207
Purpose:Verify the IUT Resets a too long Reset Confirmation (one octet appended) received in state D3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC)				
+P4D1_PREAMBLE				
!RESET START TD_RESP		RST_0(LCI)		
?TIMEOUT TD_RESP	L1			
!RESETC START TD_RESP		RSTC_L(LCI)		
?RESET [(CAUSE_EQ_0 AND (DIAG0 #OR DIAG32 OR DIAG39)) OR CAUSE_EQ_128] #CANCEL	L2	RST_1(LCI)	(P)	1
+D2_POSTAMBLE				
+D1C_UNEXPECTED				
GOTO L2				
?TIMEOUT TD_RESP			F	
+D3_UNEXPECTED				
+D1C_UNEXPECTED				
GOTO L1				
+D3_UNEXPECTED				

Extended Comments:

1) no information, not allowed, too long

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Test Case Dynamic Behaviour				
Reference:PACKET/D3/INOPPORTUNE/P01 Identifier:P13_301 Purpose:Verify the IUT discards a Reset Indication received in state D3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE !RESET START TD_RESP, START TO_D3, #START TD		RST_0(LCI)		
?TIMEOUT TD_RESP	L1			
!RESET ?TIMEOUT TO_D3		RST_0(LCI)		
?RESETC CANCEL	L2	RSTC_1(LCI)	(P)	
+D1_POSTAMBLE				
+D1C_UNEXPECTED GOTO L2				
?TIMEOUT TD +D3_UNEXPECTED			F	
+D3_UNEXPECTED				
+D1C_UNEXPECTED GOTO L1				
+D3_UNEXPECTED				
Extended Comments:				

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Test Case Dynamic Behaviour

Reference:PACKET/D3/INOPPORTUNE/P02
Identifier:P13_302
Purpose: Verify the IUT Resets a Reset Confirmation received in state D3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC)				
+P4D1_PREAMBLE				
!RESET START TD_RESP		RST_0(LCI)		
?TIMEOUT TD_RESP	L1			
!RESETC START TD_RESP		RSTC_0(LCI)		
?RESET [(CAUSE_EQ_0 AND (DIAG0 #OR DIAG16 OR DIAG29)) OR CAUSE_EQ_128] #CANCEL	L2	RST_1(LCI)	(P)	1
+D2_POSTAMBLE				
+D1C_UNEXPECTED				
GOTO L2				
?TIMEOUT TD_RESP			F	
+D3_UNEXPECTED				
+D1C_UNEXPECTED				
GOTO L1				
+D3_UNEXPECTED				

Extended Comments:

1) no information, packet invalid, invalid for D3

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Test Case Dynamic Behaviour				
Reference:PACKET/D3/INOPPORTUNE/P03 Identifier:P13_303 Purpose:Verify the IUT Resets an Interrupt packet received in state D3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE !RESET START TD_RESP ?TIMEOUT TD_RESP	L1	RST_0(LCI)		
!INT START TD_RESP ?RESET [(CAUSE_EQ_0 AND (DIAG0 #OR DIAG16 OR DIAG29)) OR CAUSE_EQ_128] #CANCEL	L2	INT_1(LCI) RST_1(LCI)	(P)	1
+D2_POSTAMBLE				
+D1C_UNEXPECTED GOTO L2				
?TIMEOUT TD_RESP +D3_UNEXPECTED			F	
+D1C_UNEXPECTED GOTO L1				
+D3_UNEXPECTED				
Extended Comments: 1) no information, packet type invalid, invalid for D3				

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Test Case Dynamic Behaviour

Reference:PACKET/D3/INOPPORTUNE/P04
Identifier:P13_304
Purpose:Verify the IUT Resets an Interrupt Confirmation received in state D3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC)				
+P4D1_PREAMBLE				
!RESET START TD_RESP		RST_0(LCI)		
?TIMEOUT TD_RESP	L1			
!INTC START TD_RESP		INTC_0(LCI)		
?RESET [(CAUSE_EQ_0 AND (DIAG0 #OR DIAG16 OR DIAG29)) OR CAUSE_EQ_128] #CANCEL	L2	RST_1(LCI)	(P)	1
+D2_POSTAMBLE				
+D1C_UNEXPECTED				
GOTO L2				
?TIMEOUT TD_RESP			F	
+D3_UNEXPECTED				
+D1C_UNEXPECTED				
GOTO L1				
+D3_UNEXPECTED				

Extended Comments:

1) no information, packet type invalid, invalid for D3

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Test Case Dynamic Behaviour				
Reference:PACKET/D3/INOPPORTUNE/P05 Identifier:P13_305 Purpose:Verify the IUT Resets a Data packet received in state D3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE !RESET START TD_RESP ?TIMEOUT TD_RESP	L1	RST_0(LCI)		
!DATA START TD_RESP ?RESET [(CAUSE_EQ_0 AND (DIAG0 #OR DIAG16 OR DIAG29)) OR CAUSE_EQ_128] #CANCEL	L2	D_ONE(LCI) RST_1(LCI)	(P)	1
+D2_POSTAMBLE				
+D1C_UNEXPECTED GOTO L2				
?TIMEOUT TD_RESP +D3_UNEXPECTED			F	
+D1C_UNEXPECTED GOTO L1				
+D3_UNEXPECTED				
Extended Comments: 1) no information, packet type invalid, invalid for D3				

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Test Case Dynamic Behaviour				
Reference:PACKET/D3/INOPPORTUNE/P06 Identifier:P13_306 Purpose:Verify the IUT Resets an RR packet received in state D3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE !RESET START TD_RESP ?TIMEOUT TD_RESP	L1	RST_0(LCI)		
!RR START TD_RESP ?RESET [(CAUSE_EQ_0 AND (DIAG0 #OR DIAG16 OR DIAG29)) OR CAUSE_EQ_128] #CANCEL	L2	RR_0(LCI) RST_1(LCI)	(P)	1
+D2_POSTAMBLE				
+D1C_UNEXPECTED GOTO L2				
?TIMEOUT TD_RESP +D3_UNEXPECTED			F	
+D1C_UNEXPECTED GOTO L1				
+D3_UNEXPECTED				
Extended Comments: 1) no information, packet type invalid, invalid for D3				

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Test Case Dynamic Behaviour				
Reference:PACKET/D3/INOPPORTUNE/P07 Identifier:P13_307 Purpose:Verify the IUT Resets an RNR packet received in state D3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE !RESET START TD_RESP ?TIMEOUT TD_RESP	 L1	 RST_0(LCI)	 	
!RNR START TD_RESP ?RESET [(CAUSE_EQ_0 AND (DIAG0 #OR DIAG16 OR DIAG29)) OR CAUSE_EQ_128] #CANCEL	 L2	RNR_0(LCI) RST_1(LCI)	 (P)	 1
+D2_POSTAMBLE				
+D1C_UNEXPECTED GOTO L2				
?TIMEOUT TD_RESP +D3_UNEXPECTED			F	
+D1C_UNEXPECTED GOTO L1				
+D3_UNEXPECTED				
Extended Comments: 1) no information, packet type invalid, invalid for D3				

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Test Case Dynamic Behaviour

Reference:PACKET/D3/INOPPORTUNE/P08
Identifier:P13_308
Purpose:Verify the IUT Resets an Incoming Call packet received on a PVC in state D3
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+D1_PVC_PREAMBLE !RESET START TD_RESP ?TIMEOUT TD_RESP	L1	RST_0(LCI)		
!CALL START TD_RESP ?RESET [(CAUSE_EQ_0 AND (DIAG0 #OR DIAG16 OR DIAG29 OR DIAG32 OR DIAG35)) #OR CAUSE_EQ_128] CANCEL	L2	CALL_0(LCI) RST_1(LCI)	(P)	1
+D2_POSTAMBLE				
?RESTART [RST_ON_ERR_R_PVC] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG16 OR #DIAG29)) OR CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
+D1C_UNEXPECTED GOTO L2				
?TIMEOUT TD_RESP +D3_UNEXPECTED			F	
+D1C_UNEXPECTED GOTO L1				
+D3_UNEXPECTED				

Extended Comments:

1) no information, packet type invalid, invalid for D3

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Test Case Dynamic Behaviour				
Reference:PACKET/D3/INOPPORTUNE/P09 Identifier:P13_309 Purpose:Verify the IUT Resets a Clear Indication received on a PVC in state D3 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+D1_PVC_PREAMBLE !RESET START TD_RESP ?TIMEOUT TD_RESP	L1	RST_0(LCI)		
!RNR START TD_RESP ?RESET [(CAUSE_EQ_0 AND (DIAG0 #OR DIAG16 OR DIAG29 OR DIAG32 OR DIAG35)) #OR CAUSE_EQ_128] CANCEL	L2	RNR_0(LCI) RST_1(LCI)	(P)	1
+D2_POSTAMBLE				
?RESTART [RST_ON_ERR_R_PVC] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG16 OR #DIAG29)) OR CAUSE_EQ_128] CANCEL		STRT_IDTEA	(P)	
+GEN2_POSTAMBLE				
+D1C_UNEXPECTED GOTO L2				
?TIMEOUT TD_RESP +D3_UNEXPECTED			F	
+D1C_UNEXPECTED GOTO L1				
+D3_UNEXPECTED				
Extended Comments: 1) no information, packet type invalid, invalid for D3				

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Packet Layer Group 14: State I1 DTE Interrupt Ready

PLG 14 contains the test cases for the Interrupt STATE i1. This packet layer test group is applicable to IUTs supporting Permanent Virtual Circuit and/or Virtual Call services.

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Test Case Dynamic Behaviour

Reference:PACKET/I1/IMPROPER/P01
Identifier:P14_201
Purpose:Verify the IUT Resets a too long Interrupt Confirmation (one octet appended) packet received in state I1
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE				
!INTC START TD ?RESET [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG39 OR DIAG43)) OR #CAUSE_EQ_128] CANCEL	L1	INTC_L(LCI) RST_1(LCI)	(P)	1
+D2_POSTAMBLE				
?CLEAR [CLR_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG39 OR DIAG43)) #OR CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	
+D_STATE_CLR				
?RESTART [RST_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG39 OR DIAG43)) #OR CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+D_STATE_RES				
+D1_UNEXPECTED GOTO L1				
+CLR_UNEXPECTED				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	

Extended Comments:

1) no information, not allowed, too long, unauthorized Interrupt Confirmation

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Test Case Dynamic Behaviour				
Reference:PACKET/I1/INOPPORTUNE/P01 Identifier:P14_301 Purpose:Verify the IUT Resets an Interrupt Confirmation received in state I1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE !INTC START TD ?RESET [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG43)) OR CAUSE_EQ_128] CANCEL +D2_POSTAMBLE ?CLEAR [CLR_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG43)) OR #CAUSE_EQ_128] CANCEL +D_STATE_CLR ?RESTART [RST_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG43)) OR #CAUSE_EQ_128] CANCEL +D_STATE_RES +D1_UNEXPECTED GOTO L1 +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD	L1	INTC_0(LCI) RST_1(LCI) CLR_1(LCI) STRT_1DTEA	(P) (P) (P) F F	1
Extended Comments: 1) no information, not allowed, unauthorized Interrupt Confirmation				

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Packet Layer Group 15: State I2 DTE Interrupt Sent

PLG 15 contains the test cases for the Interrupt STATE i2. This packet layer test group is applicable to IUTs supporting Permanent Virtual Circuit and/or Virtual Call services.

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Test Case Dynamic Behaviour

Reference:PACKET/I2/PROPER/P01
Identifier:P15_101
Purpose:Verify the IUT moves from state I2 to I1 when an Interrupt Confirmation is received in state I2
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC)				
+P4D1_PREAMBLE				
<IUT!INT>		INT_1(LCI)		
START TD				
?INT CANCEL TD	L1	INT_1(LCI)		
!INTC START TD		INTC_0(LCI)		
?TIMEOUT TD	L2		(P)	
+D1_POSTAMBLE				
+D1B_UNEXPECTED				
GOTO L2				
+RSTRT_UNEXPECTED				
?OTHERWISE CANCEL TD			F	
+D1B_UNEXPECTED				
GOTO L1				
+CLR_UNEXPECTED				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	

Extended Comments:

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Test Case Dynamic Behaviour				
Reference:PACKET/I2/IMPROPER/P01 Identifier:P15_201 Purpose:Verify the IUT Resets a too long Interrupt Confirmation packet received in state I2 Default:				
Behaviour Description	**Label**	**Constraints Reference**	**V**	**Comments**
+R1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE <IUT!INT> START TD		INT_1(LCI)		
?INT CANCEL TD	L1	INT_1(LCI)		
!INTC START TD ?RESET [(CAUSE_EQ_0 AND (DIAG0 #OR DIAG39 OR DIAG43)) OR CAUSE_EQ_128] #CANCEL	L2	INTC_L(LCI) RST_1(LCI)	(P)	1
+D2_POSTAMBLE				
?CLEAR [CLR_ON_ERR_R] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG39 OR #DIAG43)) OR CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	
+D_STATE_CLR				
?RESTART [RST_ON_ERR_R] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG39 OR #DIAG43)) OR CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+D_STATE_RES				
+D1B_UNEXPECTED GOTO L2				
+CLR_UNEXPECTED +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	no response
+D1B_UNEXPECTED GOTO L1				
+CLR_UNEXPECTED +RSTRT_UNEXPECTED				

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Behaviour Description	Label	Constraints Reference	V	Comments
?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	
Extended Comments: 1) no information, packet too long, unauthorized Interrupt Confirmation				

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Packet Layer Group 16: State J1 DXE Interrupt Ready

PLG 16 contains the test cases for the Interrupt STATE j1. This packet layer test group is applicable to IUTs supporting Permanent Virtual Circuit and/or Virtual Call services.

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Test Case Dynamic Behaviour				
Reference:PACKET/J1/PROPER/P01 Identifier:P16_101 Purpose:Verify the IUT confirms an Interrupt received in state J1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(ANY_VC) +P4D1_PREAMBLE !INT START TD ?INTC CANCEL TD +D1_POSTAMBLE +D1_UNEXPECTED GOTO L1 +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD	 L1 	 INT_0(LCI) INTC_1(LCI) 	 (P) F F	 no response
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/J1/IMPROPER/P01 Identifier:P16_201 Purpose:Verify the IUT Resets a too short Interrupt packet in state J1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(ANY_VC) +P4D1_PREAMBLE !INT START TD ?RESET [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG38 OR DIAG44)) OR #CAUSE_EQ_128] CANCEL	L1	INT_SHT(LCI) RST_1(LCI)	(P)	1)
+D2_POSTAMBLE ?CLEAR [CLR_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG38 OR DIAG44) #) OR CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	
+D_STATE_CLR ?RESTART [RST_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG38 OR DIAG44) #) OR CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+D_STATE_RES +D1_UNEXPECTED GOTO L1 +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	no response
Extended Comments: 1) no information, not allowed, too short, unauthorized Interrupt				

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Test Case Dynamic Behaviour

Reference:PACKET/J1/IMPROPER/P02
Identifier:P16_202
Purpose:Verify the IUT Resets a too long Interrupt (1 or 32 octets appended) received in state J1
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(ANY_VC) +P4D1_PREAMBLE				
!INT [CCITT_80] START TD +SUBTREE		INT_L1(LCI)		
!INT [CCITT_84 OR ISO] START TD +SUBTREE		INT_L32(LCI)		
SUBTREE				
?RESET [(CAUSE_EQ_0 AND (DIAG0 OR DIAG32 #OR DIAG39)) OR CAUSE_EQ_128] CANCEL	L1	RST_1(LCI)	(P)	1
+D2_POSTAMBLE				
?CLEAR [CLR_ON_ERR_R] [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG32 OR DIAG39)) OR #CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	
+D_STATE_CLR				
?RESTART [RST_ON_ERR_R] [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG32 OR DIAG39)) OR #CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+D_STATE_RES				
+D1_UNEXPECTED GOTO L1				
+CLR_UNEXPECTED				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	2
?OTHERWISE CANCEL TD			F	

Extended Comments:

1) no information, not allowed, too long

2) no response

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Packet Layer Group 17: State J2 DXE Interrupt Sent

PLG 17 contains the test cases for the Interrupt STATE j2. STATE j2 is a transient state and may not be observable. This packet layer test group is applicable only if the IUT implements the Packet Layer Protocol such that STATE j2 is observable. PLG 17 is applicable to IUTs supporting Permanent Virtual Circuits and/or Virtual Call services.

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Test Case Dynamic Behaviour				
Reference:PACKET/J2/IMPROPER/P01 Identifier:P17_201 Purpose:Verify the IUT Resets a too short Interrupt received in state J2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE !INT START TD_RESP ?TIMEOUT TD_RESP		INT_1(LCI)		
!INT START TD_RESP ?RESET [(CAUSE_EQ_0 AND (DIAG0 #OR DIAG32 OR DIAG38 OR DIAG44)) OR #CAUSE_EQ_128] CANCEL	L1	INT_SHT(LCI) RST_1(LCI)	(P)	1
+D2_POSTAMBLE				
?CLEAR [CLR_ON_ERR_R] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG32 OR DIAG38 #OR DIAG44)) OR CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	
+D_STATE_CLR				
?RESTART [RST_ON_ERR_R] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG32 OR DIAG38 #OR DIAG44)) OR CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+D_STATE_RES				
+D1_UNEXPECTED GOTO L1				
?TIMEOUT TD_RESP +J2_UNEXPECTED +J2_UNEXPECTED			F	
Extended Comments: 1) no information, not allowed, too short, unauthorized Interrupt				

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Test Case Dynamic Behaviour

Reference:PACKET/J2/IMPROPER/P02
Identifier:P17_202
Purpose:Verify the IUT Resets a too long Interrupt packet (1 or 32 octets appended) received in state J2
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(ANY_VC) +P4D1_PREAMBLE !INT START TD_RESP ?TIMEOUT TD_RESP		INT_0(LCI)		
!INT [CCITT_80] START TD_RESP +SUBTREE		INT_L1(LCI)		
!INT [CCITT_84 OR ISO] START #TD_RESP +SUBTREE		INT_L32(LCI)		
+J2_UNEXPECTED				
SUBTREE				
?RESET [(CAUSE_EQ_0 AND (DIAG0 OR DIAG32 #OR DIAG39 OR DIAG44)) OR CAUSE_EQ_128] #CANCEL	L1	RST_1(LCI)	(P)	1
+D2_POSTAMBLE				
?CLEAR [CLR_ON_ERR_R] [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG32 OR DIAG39 OR DIAG44)) OR #CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	
+D_STATE_CLR				
?RESTART [RST_ON_ERR_R] [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG32 OR DIAG39 OR DIAG44)) OR #CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+D_STATE_RES				
+D1_UNEXPECTED GOTO L1				
?TIMEOUT TD_RESP +J2_UNEXPECTED			F	

Extended Comments:

1) no information, not allowed, too short, unauthorized Interrupt

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Test Case Dynamic Behaviour				
Reference:PACKET/J2/INOPPORTUNE/P01 Identifier:P17_301 Purpose:Verify the IUT Resets an Interrupt packet received in state J2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(ANY_VC) +P4D1_PREAMBLE !INT START TD_RESP ?TIMEOUT TD_RESP		INT_1(LCI)		
!INT START TD_RESP ?RESET [(CAUSE_EQ_0 AND (DIAG0 #OR DIAG32 OR DIAG44)) OR CAUSE_EQ_128] #CANCEL	L1	INT_1(LCI) RST_1(LCI)	(P)	1
+D2_POSTAMBLE				
?CLEAR [CLR_ON_ERR_R] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG32 OR #DIAG44)) OR CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	
+D_STATE_CLR				
?RESTART [RST_ON_ERR_R] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG32 OR #DIAG44)) OR CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+D_STATE_RES				
+D1_UNEXPECTED GOTO L1				
?TIMEOUT TD_RESP +J2_UNEXPECTED +J2_UNEXPECTED			F	
Extended Comments: 1) no information, not allowed, unauthorized Interrupt				

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Packet Layer Group 18: State F1 DXE Receive Ready

PLG 18 contains the test cases for the Flow Control STATE f1. STATE f1 is applicable only if the IUT supports the receipt of DATA packets. PLG 18 is applicable to IUTs supporting Permanent Virtual Circuits and/or Virtual Call services.

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Test Case Dynamic Behaviour				
Reference:PACKET/F1/PROPER/P01 Identifier:P18_101 Purpose:Verify the IUT will accept a window of DATA packets received in state F1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE REPEAT EXCH_DAT(COUNT) UNTIL [COUNT = #DEF_WIN_SZ] [COUNT = DEF_WIN_SZ] +D1_POSTAMBLE			 (P)	 1
Extended Comments:1) send a window full of Data packets to the IUT				

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Test Case Dynamic Behaviour				
Reference:PACKET/F1/PROPER/P02 Identifier:P18_102 Purpose:Verify the IUT accepts an RNR packet after receiving a window of Data packets in state F1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(ANY_VC) +P4D1_PREAMBLE REPEAT EXCH_DAT(COUNT) UNTIL [COUNT = #DEF_WIN_SZ] !RNR (RNR.PR := PR) START TD ?TIMEOUT TD !RR (RR.PR := PR) +D1_POSTAMBLE ?DATA CANCEL TD +D1C_UNEXPECTED GOTO L1 +RSET_UNEXPECTED +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD	L1	RNR_A(LCI) RR_A(LCI) DAT_1(LCI)	(P) F F	
Extended Comments: 1) send a window full of Data packets to the IUT				

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Test Case Dynamic Behaviour				
Reference:PACKET/F1/IMPROPER/P01 Identifier:P18_201 Purpose:Verify the IUT Resets or discards a too long RR packet (one octet appended) received in state F1 Default:				
Behaviour Description	**Label**	**Constraints Reference**	**V**	**Comments**
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE				
!RR START TD ?TIMEOUT TD	L1	RR_L(LCI)	(P)	no response
+D1_POSTAMBLE				
?RESET [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG39)) OR CAUSE_EQ_128] CANCEL		RST_1(LCI)	(P)	
+D2_POSTAMBLE				
?CLEAR [CLR_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG39)) OR #CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	1
+D_STATE_CLR				
?RESTART [RST_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG39)) OR #CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+D_STATE_RES				
+D1C_UNEXPECTED GOTO L1				
+CLR_UNEXPECTED +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD			F	
Extended Comments: 1) no information, not allowed, too long				

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Test Case Dynamic Behaviour				
Reference:PACKET/F1/IMPROPER/P02 Identifier:P18_202 Purpose:Verify the IUT Resets or discards too long RNR packet received in state F1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE !RNR START TD ?TIMEOUT TD	L1	RNR_L(LCI)	(P)	no response
+D1_POSTAMBLE ?RESET [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG39)) OR CAUSE_EQ_128] CANCEL		RST_1(LCI)	(P)	
+D2_POSTAMBLE ?CLEAR [CLR_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG39)) OR #CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	1
+D_STATE_CLR ?RESTART [RST_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG39)) OR #CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+D_STATE_RES +D1C_UNEXPECTED GOTO L1 +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD			F	
Extended Comments: 1) no information, not allowed, too long				

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Test Case Dynamic Behaviour				
Reference:PACKET/F1/INOPPORTUNE/P01 Identifier:P18_301 Purpose:Verify the IUT Resets an RR with an invalid P(R) received in state F1 Default:				
Behaviour Description	**Label**	**Constraints Reference**	**V**	**Comments**
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE				
!RR START TD ?RESET [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG2)) OR CAUSE_EQ_128] CANCEL	L1	RR_7(LCI) RST_1(LCI)	(P)	1
+D2_POSTAMBLE				
?CLEAR [CLR_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG2)) OR CAUSE_EQ_128] #CANCEL		CLR_1(LCI)	(P)	2
+D_STATE_CLR				
?RESTART [RST_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG2)) AND CAUSE_EQ_128] #CANCEL		STRT_1DTEA	(P)	
+D_STATE_RES				
+D1C_UNEXPECTED GOTO L1				
+CLR_UNEXPECTED +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	3
Extended Comments: 1) p(r) = 7 2) no information, invalid p(r) 3) no response				

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Test Case Dynamic Behaviour

Reference:PACKET/F1/INOPPORTUNE/P02
Identifier:P18_302
Purpose:Verify the IUT Resets an RNR with invalid P(R) received in state F1
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE				
!RNR START TD ?RESET [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG2)) OR CAUSE_EQ_128] CANCEL	L1	RNR_7(LCI) RST_1(LCI)	(P)	1
+D2_POSTAMBLE				
?CLEAR [CLR_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG2)) OR CAUSE_EQ_128] #CANCEL		CLR_1(LCI)	(P)	2
+D_STATE_CLR				
?RESTART [RST_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG2)) OR CAUSE_EQ_128] #CANCEL		STRT_1DTEA	(P)	
+D_STATE_RES				
+D1C_UNEXPECTED GOTO L1				
+CLR_UNEXPECTED +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	3

Extended Comments:

1) p(r) = 7
2) no information, invalid p(r)
3) no response

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Packet Layer Group 19: State F2 DXE Receive Not Ready

PLG 19 contains the test cases for the Flow Control STATE f2. STATE f2 is applicable only if the IUT supports the transmission of DATA packets. PLG 19 is applicable to IUTs supporting Permanent Virtual Circuit and/or Virtual Call services.

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Test Case Dynamic Behaviour				
Reference:PACKET/F2/PROPER/P01 Identifier:P19_101 Purpose:Verify the IUT accepts a RR packet received in state F2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE !RNR START TD ?TIMEOUT TD	L1	RNR_0(LCI)		
!RR START TD ?TIMEOUT TD	L2	RR_0(LCI)	(P)	
+D1_POSTAMBLE				
+D1C_UNEXPECTED GOTO L2				
+CLR_UNEXPECTED +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD			F	
+D1C_UNEXPECTED GOTO L1				
+CLR_UNEXPECTED +RSTRT_UNEXPECTED ?OTHERWISE CANCEL			F	
Extended Comments:				

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Test Case Dynamic Behaviour

Reference:PACKET/F2/IMPROPER/P01
Identifier:P19_201
Purpose:Verify the IUT Resets or discards a too long RR packet
(one octet appended) received in state F2
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC)				
+P4D1_PREAMBLE				
!RNR START TD		RNR_0(LCI)		
?TIMEOUT TD	L1			
!RR START TD		RR_L(LCI)		
?TIMEOUT TD	L2		(P)	2
+D1_POSTAMBLE				
?RESET [(CAUSE_EQ_0 AND (DIAG0 #OR DIAG32 OR DIAG39)) OR CAUSE_EQ_128] #CANCEL		RST_1(LCI)	(P)	1
+D2_POSTAMBLE				
?CLEAR [CLR_ON_ERR_R] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG32 OR #DIAG39)) OR CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	
+D_STATE_CLR				
?RESTART [RST_ON_ERR_R] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG32 OR #DIAG39)) OR CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+D_STATE_RES				
+D1C_UNEXPECTED				
GOTO L2				
+CLR_UNEXPECTED				
+RSTRT_UNEXPECTED				
?OTHERWISE CANCEL TD			F	
+D1C_UNEXPECTED				
GOTO L1				

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Behaviour Description	Label	Constraints Reference	V	Comments
+CLR_UNEXPECTED +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD			F	

Extended Comments:

1) no information, not allowed, too long

2) no response

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Test Case Dynamic Behaviour

Reference:PACKET/F2/IMPROPER/P02
Identifier:P19_202
Purpose:Verify the IUT Resets or discards a too long RNR packet (one octet appended) received in state F2
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC)				
+P4D1_PREAMBLE				
!RNR START TD		RNR_0(LCI)		
?TIMEOUT TD	L1			
!RNR START TD		RNR_L(LCI)		
?TIMEOUT TD	L2		(P)	2
+D1_POSTAMBLE				
?RESET [(CAUSE_EQ_0 AND (DIAG0 #OR DIAG32 OR DIAG39)) OR CAUSE_EQ_128] #CANCEL		RST_1(LCI)	(P)	1
+D2_POSTAMBLE				
?CLEAR [CLR_ON_ERR_R] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG32 OR #DIAG39)) OR CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	1
+D_STATE_CLR				
?RESTART [RST_ON_ERR_R] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG32 OR #DIAG39)) OR CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+D_STATE_RES				
+D1C_UNEXPECTED				
GOTO L2				
+CLR_UNEXPECTED				
+RSTRT_UNEXPECTED				
?OTHERWISE CANCEL TD			F	
+D1C_UNEXPECTED				
GOTO L1				

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Behaviour Description	Label	Constraints Reference	V	Comments
+CLR_UNEXPECTED +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD			F	
Extended Comments: 1) no information, not allowed, too long 2) no response				

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Test Case Dynamic Behaviour

Reference:PACKET/F2/INOPPORTUNE/P01
Identifier:P19_301
Purpose:Verify the IUT Resets an RR with an invalid P(R) received in state F2
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC)				
+P4D1_PREAMBLE				
!RNR START TD		RNR_0(LCI)		
?TIMEOUT TD	L1			
!RR START TD		RR_7(LCI)		p(r) = 7
?RESET [(CAUSE_EQ_0 AND (DIAG0 #OR DIAG2)) OR CAUSE_EQ_128] CANCEL	L2	RST_1(LCI)	(P)	
+D2_POSTAMBLE				
?CLEAR [CLR_ON_ERR_R] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG2)) OR #CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	2
+D_STATE_CLR				
?RESTART [RST_ON_ERR_R] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG2)) OR #CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+D_STATE_RES				
+D1C_UNEXPECTED				
GOTO L2				
+CLR_UNEXPECTED				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	1
?OTHERWISE CANCEL TD			F	
+D1C_UNEXPECTED				
GOTO L1				
+CLR_UNEXPECTED				
+RSTRT_UNEXPECTED				
?OTHERWISE CANCEL TD			F	

Extended Comments:

1) no response

2) p(r) invalid

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Test Case Dynamic Behaviour

Reference:PACKET/F2/INOPPORTUNE/P02
Identifier:P19_302
Purpose:Verify the IUT Resets an RNR with an invalid P(R) received in state F2
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC)				
+P4D1_PREAMBLE				
!RNR START TD		RNR_0(LCI)		
?TIMEOUT TD	L1			
!RNR START TD		RNR_7(LCI)		p(r) = 7
?RESET [(CAUSE_EQ_0 AND (DIAG0 #OR DIAG2)) OR CAUSE_EQ_128] CANCEL	L2	RST_1(LCI)	(P)	
+D2_POSTAMBLE				
?CLEAR [CLR_ON_ERR_R] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG2)) OR #CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	2
+D_STATE_CLR				
?RESTART [RST_ON_ERR_R] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG2)) OR #CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+D_STATE_RES				
+D1C_UNEXPECTED				
GOTO L2				
+CLR_UNEXPECTED				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	1
?OTHERWISE CANCEL TD			F	
+D1C_UNEXPECTED				
GOTO L1				
+CLR_UNEXPECTED				
+RSTRT_UNEXPECTED				
?OTHERWISE CANCEL TD			F	

Extended Comments:

1) no response

2) p(r) invalid

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Packet Layer Group 20: State G1 DTE Receive Ready

PLG 20 contains the test cases for the Flow Control STATE g1. STATE g1 is applicable only if the IUT supports the transmission of and receipt of DATA packets. PLG 20 is applicable to IUTs supporting Permanent Virtual Circuit and/or Virtual Call services.

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Test Case Dynamic Behaviour				
Reference:PACKET/G1/PROPER/P01 Identifier:P20_101 Purpose:Verify the IUT is capable of receiving both values of the Q-bit received in state G1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE REPEAT EXCH_DAT_QBIT_A(COUNT) UNTIL #[COUNT > 8] [COUNT > 8] +D1_POSTAMBLE			(P)	
Extended Comments: NOTE see PIXIT question 2.15				

Test Case Dynamic Behaviour				
Reference:PACKET/G1/PROPER/P02 Identifier:P20_102 Purpose:Verify the IUT can accept a Data packet with no user data received in state G1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE REPEAT EXCH_DAT_EMPTY(COUNT) UNTIL #[COUNT > 8] !DATA # +RX_DATA +D1_POSTAMBLE		D_EMPTY(LCI, PS,PR)	(P)	
Extended Comments: NOTE see PIXIT question 2.16				

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Test Case Dynamic Behaviour

Reference:PACKET/G1/IMPROPER/P01
Identifier:P20_201
Purpose:Verify the IUT discards, Rejects or Resets a too long Data packet
received in state G1
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE				
!DATA START TD		D_L(LCI)		1
?TIMEOUT TD	L1			
[CCITT_80 OR CCITT_84]			F	
[ISO]			(P)	
+D1_POSTAMBLE				
?REJ [REJ_SUPP] CANCEL TD		REJ_1(LCI)		
!DATA		D_ONE(LCI)	(P)	
+D1_POSTAMBLE				
?RESET [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG39)) OR CAUSE_EQ_128] CANCEL		RST_1(LCI)	(P)	
+D2_POSTAMBLE				
?CLEAR [CLR_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG39)) OR #CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	2
+D_STATE_CLR				
?RESTART [RST_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG39)) OR #CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+D_STATE_RES				
+D1_UNEXPECTED GOTO L1				
+CLR_UNEXPECTED +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD			F	

Extended Comments:

1) DATA.U_DATA = maximum user data size + 1 octet

2) no information, not allowed, too long

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Test Case Dynamic Behaviour

Reference:PACKET/G1/IMPROPER/P03
Identifier:P20_203
Purpose:Verify the IUT discards, Reject or Resets a too long Data packet with the M-bit set, received in state G1
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE				
!DATA START TD ?TIMEOUT TD [CCITT_80 OR CCITT_84] [ISO] +D1_POSTAMBLE	L1	D_ML(LCI)	F (P)	
?REJ [REJ_SUPP] CANCEL TD		REJ_1A(LCI)	(P)	
!DATA +D1_POSTAMBLE		D_ONE(LCI)		
?RESET [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG39)) OR CAUSE_EQ_128] CANCEL		RST_1(LCI)	(P)	
+D2_POSTAMBLE				
?CLEAR [CLR_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG39)) OR #CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	1
+D_STATE_CLR				
?RESTART [RST_ON_ERR_R] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG32 OR #DIAG39)) OR CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+D_STATE_RES				
+D1_UNEXPECTED GOTO L1				
+CLR_UNEXPECTED +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD			F	

Extended Comments:

1) no information, not allowed, too long

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Test Case Dynamic Behaviour				
Reference:PACKET/G1/INOPPORTUNE/P01 Identifier:P20_301 Purpose:Verify the IUT Resets a Data packet with bad P(R) received in state G1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE !DATA START TD ?RESET [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG2)) OR CAUSE_EQ_128] CANCEL +D2_POSTAMBLE ?CLEAR [CLR_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG2)) OR CAUSE_EQ_128] #CANCEL +D_STATE_CLR ?RESTART [RST_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG2)) OR CAUSE_EQ_128] #CANCEL +D_STATE_RES +D1C_UNEXPECTED GOTO L1 +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD	L1	D_PR7(LCI) RST_1(LCI) CLR_1(LCI) STRT_1DTEA	(P) (P) (P) F F	1 2 no response
Extended Comments: 1) p(r)=7 p(s)=0 2) no information, invalid p(r)				

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Test Case Dynamic Behaviour

Reference:PACKET/G1/INOPPORTUNE/P02
Identifier:P20_302
Purpose:Verify the IUT Resets, Rejects, or discards a Data packet with bad P(S) received in state G1
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE				
!DATA START TD		D_PS7(LCI)		
?TIMEOUT TD	L1			no response
[CCITT_80 OR CCITT_84] +D1_POSTAMBLE			(P)	
[ISO]			F	1
?REJ [REJ_SUPP] CANCEL TD		REJ_1(LCI)	(P)	
!DATA +D1_POSTAMBLE		D_ONE(LCI)		
?RESET [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG1)) OR CAUSE_EQ_128] CANCEL		RST_1(LCI)	(P)	
!RESETC +D1_POSTAMBLE		RSTC_0(LCI)		
?CLEAR [CLR_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG1)) OR CAUSE_EQ_128] #CANCEL		CLR_1(LCI)	(P)	2
+D_STATE_CLR				
?RESTART [RST_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG1)) OR CAUSE_EQ_128] #CANCEL		STRT_1DTEA		
+D_STATE_RES				
+D1C_UNEXPECTED GOTO L1				
+CLR_UNEXPECTED				

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Behaviour Description	Label	Constraints Reference	V	Comments
+RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD			F	

Extended Comments:
1) see ISO 8208 clause 11.3b
2) no information, invalid p(r)

Test Case Dynamic Behaviour

Reference:PACKET/G1/INOPPORTUNE/P08
Identifier:P20_308
Purpose:Verify the IUT Resets a Data packet with D-bit set, when Delivery Confirmation is not used in state G1
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE_A				
!DATA START TD ?RESET [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG160 OR DIAG166)) OR CAUSE_EQ_128] #CANCEL	L1	D_DBIT(LCI) RST_1(LCI)	(P)	1
+D2_POSTAMBLE				
?CLEAR [CLR_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG160 OR DIAG166)) OR #CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	1
+D_STATE_CLR				
?RESTART [RST_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0)) OR CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+D_STATE_RES				
+D1_UNEXPECTED GOTO L1				
+CLR_UNEXPECTED				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	

Extended Comments:
1) no information, DTE-Specific Signals, D-bit procedure not supported

NOTE: only valid if the IUT supports Delivery Confirmation negotiation

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Packet Layer Group 21: State G2 DTE Receive Not Ready

No tests are possible because the establishment and removal of the busy condition cannot be controlled.

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Packet Layer Group 22:
Window Filling and Rotation, Remote Busy, M-bit Tests

PLG 22 contains DATA TRANSFER test cases. PLG 22 is applicable to IUTs supporting Permanent Virtual Circuits and/or Virtual Call services. This packet layer test group is applicable to IUTs which are able to send and receive DATA packets or send only IUTs. Window Filling and Remote Busy tests for those IUTs which are unable to send DATA packets (receive-only IUTs) are included in PLG 18 and PLG 19. There is no Valid M-bit test for IUTs which are unable to receive DATA packets (send only IUTs).

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Test Case Dynamic Behaviour

Reference:PACKET/WINDOW/PROPER/P01
Identifier:P22_101
Purpose:Verify the IUT can transmit a full window of Data packets and observe the maximum window size
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE				
REPEAT EXCH_DAT_NOACK(COUNT) UNTIL #[COUNT = DEF_WIN_SZ]				
<IUT!DATA> START TD		DAT_1(LCI)		1
?TIMEOUT TD !RR (RR.PR:=PR) START TD #(2*TD_RESPONSE)	L1	RR_A(LCI)		2 open window
?DATA PR_VERIFY PR_UPDATE #PT_UPDATE1	L2	DAT_1A(LCI, PR)	(P)	
+D1_POSTAMBLE				
?RR PT_UPDATE2 GOTO L2		RR_1(LCI)		
+RX_INTERRUPT !INTC GOTO L2		INTC_0(LCI)		
?RNR PT_UPDATE3 CANCEL ?REJ [REJ_SUPP] PT_UPDATE4 #CANCEL		RNR_1(LCI) REJ_1A(LCI)	I I	
+RSET_UNEXPECTED +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL			F F	4
?DATA CANCEL #		DAT_1A(LCI, PR)	F	3
+D1C_UNEXPECTED				

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Behaviour Description	Label	Constraints Reference	V	Comments
GOTO L1 +RSET_UNEXPECTED +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD			 F	

Extended Comments:

1) Request the IUT to send a Data packet when its transmit window is closed.

2) receiver queues data from implicit send above.

3) received a data packet outside the window when the window was closed

4) the IUT did not send the requested Data packet after the Testers receive window was opened

NOTE: the Tester and IUT will use the same window size derived from PIXIT 1.9a

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Test Case Dynamic Behaviour

Reference:PACKET/WINDOW/PROPER/P02
Identifier:P22_102
Purpose:Verify the IUT will not send Data packets when the receiver (Tester) is in the Busy condition (RNR)
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE				
REPEAT EXCH_DAT (COUNT) UNTIL [COUNT = #DEF_WIN_SZ]				
!RNR (RNR.PR:=PR)		RNR_0(LCI)		3
<IUT!DATA>		DAT_1(LCI)		1
START TD				
?DATA	L1	DAT_1(LCI)	F	
?TIMEOUT TD			(P)	
!RR (RR.PR:= PR)		RR_0(LCI)		iut in d1
+RX_DATA				2
+D1_POSTAMBLE				
+D1C_UNEXPECTED GOTO L1				
+RSET_UNEXPECTED +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD			F	

Extended Comments:

1) after the RNR has been sent to the IUT, attempt to send a Data packet from the IUT to the Tester. The IUT should not transmit the Data packet because it is in the Remote Busy state.

2) after the busy condition is removed the queued Data packet should be sent to the Tester.

3) put IUT in the remote busy state.

NOTE: the Tester and IUT will use the same window size derived from PIXIT 1.9a

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Test Case Dynamic Behaviour				
Reference:PACKET/WINDOW/PROPER/P05 Identifier:P22_105 Purpose:Verify the IUT properly processes the sequence number modulo Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE REPEAT EXCH_DAT(COUNT) UNTIL [COUNT = #(SEQ_MODULO + 3)] [PR = COUNT MOD SEQ_MODULO] +D1_POSTAMBLE [PR <> COUNT MOD SEQ_MODULO]			1 (P) F	 2
Extended Comments: 1) exchange SEQ_MODULO of Data packets + 3 2) check that a full window of Data packets has been received from the IUT, the Tester's P(R) value is the total number of Data packets transmitted to the Tester modulo the Sequence Modulo (8 or 128) NOTE: the Tester and IUT will use the same window size derived from PIXIT 1.9a				

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Test Case Dynamic Behaviour				
Reference:PACKET/WINDOW/PROPER/P06 Identifier:P22_106 Purpose:Verify the IUT supports Data packets with the M-bit set. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE REPEAT EXCH_DAT_MBIT(COUNT) UNTIL #[COUNT >= 9] [PR = (COUNT MOD SEQ_MODULO)] +D1_POSTAMBLE [PR <> (COUNT MOD SEQ_MODULO)]			(P) F	1 2
Extended Comments: 1) send all the packets specified in PIXIT 2.15 2) verify the IUT has acknowledged all the transmitted packets NOTE: see PIXIT 2.15 question for user supplied Data packets.				

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Test Case Dynamic Behaviour				
Reference:PACKET/WINDOW/IMPROPER/P02 Identifier:P22_202 Purpose:Verify the IUT Resets a Data packet with an M-bit violation received in state D1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(ANY_VC) +P4D1_PREAMBLE				
!DATA START TD ?RESET [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG160 OR DIAG165)) OR CAUSE_EQ_128] #CANCEL TD	L1	D_M4(LCI) RST_1(LCI)		< full
!RESETC +D1_POSTAMBLE		RSTC_0(LCI)	(P)	
?CLEAR [CLR_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0)) OR CAUSE_EQ_128] CANCEL TD		CLR_1(LCI)	(P)	no info
+D_STATE_CLR				
?RESTART [RST_ON_ERR_R] [(CAUSE_EQ_0 #AND (DIAG0)) OR CAUSE_EQ_128] CANCEL TD		STRT_1DTEA	(P)	
+D_STATE_RES				
+D1C_UNEXPECTED GOTO L1				
+CLR_UNEXPECTED +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	
Extended Comments: NOTE: This test case in only applicable to ISO 8208 IUTs. NOTE: see PIXIT question 2.16.				

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Test Case Dynamic Behaviour

Reference:PACKET/WINDOW/IMPROPER/P03
Identifier:P22_203
Purpose:Verify the IUT resets a Data packet with a changing Q bit
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE				
+EXCH_DAT_QBIT(COUNT) [COUNT <= 8] START TD	L2			
?RESET [(CAUSE_EQ_0 AND (DIAG0 #OR DIAG80 OR DIAG83)) OR CAUSE_EQ_128] #CANCEL	L1	RST_1(LCI)	(P)	
+D2_POSTAMBLE				
+D1C_UNEXPECTED GOTO L1				
?CLEAR [CLR_ON_ERR_R] [#(CAUSE_EQ_0 AND (DIAG0)) OR CAUSE_EQ_128] #CANCEL		CLR_1(LCI)	(P)	
+D_STATE_CLR				
?RESTART [RST_ON_ERR_R] [#(CAUSE_EQ_0 AND (DIAG0)) OR CAUSE_EQ_128] #CANCEL		STRT_1DTEA	(P)	
+D_STATE_RES				
+CLR_UNEXPECTED +RSTRT_UNEXPECTED ?TIMEOUT TD GOTO L2				continue
?OTHERWISE CANCEL TD			F	
[COUNT > 8]			F	1

Extended Comments:

1) If the tester has not received a Reset, Clear or Restart after the transmission of nine data packets as specified in PIXIT 2.12 the Fail verdict is assigned

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Test Case Dynamic Behaviour				
Reference:PACKET/WINDOW/IMPROPER/P04 Identifier:P22_204 Purpose:Verify the IUT Resets or Rejects a Data packet with invalid P(S) received in state D1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE !DATA START TD ?REJ [REJ_SUPP] CANCEL TD +SUBTREE ?RESET CANCEL TD !RESETC +SUBTREE +D1C_UNEXPECTED GOTO L2 +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD SUBTREE !DATA START TD ?TIMEOUT TD +D1_POSTAMBLE +D1C_UNEXPECTED GOTO L1 +RSET_UNEXPECTED +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD	 L2 L1	 D_PS7(LCI) REJ_1A(LCI) RST_1(LCI) RSTC_0(LCI) D_ONE(LCI)	 F F (P) F	
Extended Comments:				

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Packet Layer Group 23: Timer Tests

PLG 23 contains the test cases that verify the functions of the IUT Time-Outs. The tests that verify T25, T27, and T28 are not required when their associated optional procedures are not used. PLG 23 is applicable to IUTs supporting Permanent Virtual Circuit and/or Virtual Call services.

There is no test for timer T24 because an IUT is permitted to transmit RR, RNR, Data and REJECT packets at any time while T24 is running. These packets cause the IUT to restart time T24. Thus there is no assurance that T24 will expire.

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Test Case Dynamic Behaviour				
Reference:PACKET/TIMER/PROPER/P01 Identifier:P23_101 Purpose:Verify T20 timer operation Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) +R2_PREAMBLE START TT20 (T20 - TDELTA) ?TIMEOUT TT20 START TDEL (TDELTA * 2) ?RESTART [(CAUSE_EQ_0 AND (DIAG0 #OR DIAG16 OR DIAG17 OR DIAG48 OR DIAG52)) #OR CAUSE_EQ_128] CANCEL TDEL +GEN2_POSTAMBLE ?TIMEOUT TDEL [CCITT_80 OR CCITT_84] +GEN2_POSTAMBLE [ISO] ?OTHERWISE CANCEL TDEL +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TT20		STRT_1DTEA	(P) (P) F F F	1 2
Extended Comments: 1) no information, invalid packet type, invalid for state r1, timer expired, timer expired or retransmission count surpassed for Restart Request 2) for CCITT X.25 1980 and 1984 the IUT may take no action				

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Test Case Dynamic Behaviour				
Reference:PACKET/TIMER/PROPER/P02 Identifier:P23_102 Purpose:Verify T21 timer operation Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_OVC) +P2_PREAMBLE START TT21 (T21 - TDELTA) ?TIMEOUT TT21 START TDEL (TDELTA * 2) ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 #OR DIAG48 OR DIAG49)) OR CAUSE_EQ_128] #CANCEL		CLR_1(LCI)	(P)	1, 3
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG48 OR #DIAG49)) OR CAUSE_EQ_128] CANCEL		STRT_IDTEA	(P)	
+GEN2_POSTAMBLE				
?TIMEOUT TDEL				2
[CCITT_80 OR CCITT_84] +R1_POSTAMBLE			(P)	
[ISO]			F	
+RSTRT_UNEXPECTED ?OTHERWISE CANCEL			F	
+RSTRT_UNEXPECTED ?OTHERWISE CANCEL TT21			F	
Extended Comments: 1) IUT Clears after expiry of T21 2) CCITT X.25 1980 and 1984 IUTs are not required to Clear after expiry of T21 3) for CCITT X.25 1980 and 1984 IUTs the diagnostic code field is optional NOTE: This test case is not applicable to IUTs that support only PVCs				

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Test Case Dynamic Behaviour				
Reference:PACKET/TIMER/PROPER/P03 Identifier:P23_103 Purpose:Verify T22 timer operation for both VCs and PVCs Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE +D2_PREAMBLE START TT22 (T22 - TDELTA) ?TIMEOUT TT22 START TDEL (TDELTA * 2) ?RESET [(CAUSE_EQ_0 AND (DIAG0 #OR DIAG2 OR DIAG48 OR DIAG51)) OR #CAUSE_EQ_128] CANCEL +D2_POSTAMBLE ?CLEAR [CLR_ON_ERR_R] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG48 OR #DIAG51)) OR CAUSE_EQ_128] CANCEL +D_STATE_CLR ?RESTART [RST_ON_ERR_R] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG48 OR #DIAG51)) OR CAUSE_EQ_128] CANCEL +D_STATE_RES ?TIMEOUT TDEL [CCITT_80 OR CCITT_84] [(LC >= LPV) AND (LC <= #HPV)] +D2_POSTAMBLE [LC <> LPV] [ISO] +RSTRT_UNEXPECTED ?OTHERWISE CANCEL		RST_1(LCI) CLR_1(LCI) STRT_1DTEA	(P) (P) (P) (P) F F F	1 2

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Behaviour Description	Label	Constraints Reference	V	Comments
+CLR_UNEXPECTED +RSTRT_UNEXPECTED ?OTHERWISE CANCEL			F	

Extended Comments:
1) for Reset Indication (or DTE timer expired or retransmission count surpassed for Reset Request)
2) for CCITT X.25 1980 and CCITT X.25 1984 only

NOTE: this test case is only executed on IUTs that support the Reset procedure

Test Case Dynamic Behaviour

Reference:PACKET/TIMER/PROPER/P05
Identifier:P23_105
Purpose:Verify T23 timer operation
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (SVC) +P6_PREAMBLE				
START TT23 (T23 - TDELTA) ?TIMEOUT TT23 START TDEL (TDELTA * 2) ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 #OR DIAG16 OR DIAG20 OR DIAG48 OR DIAG50)) #OR CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	1, 2
+GEN1_POSTAMBLE				
?TIMEOUT TDEL				
[CCITT_80 OR CCITT_84] +GEN1_POSTAMBLE			(P)	
[ISO]			F	
?OTHERWISE CANCEL			F	
+RSTRT_UNEXPECTED ?OTHERWISE CANCEL			F	

Extended Comments:
1) no information, packet type invalid, invalid for p1, timer expired, timer expired or retransmission count surpassed for Clear Request
2) for CCITT X.25 1980 and 1984 the IUT may take no action

NOTE: this test case is not applicable to PVCs.

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Test Case Dynamic Behaviour

Reference:PACKET/TIMER/PROPER/P07
Identifier:P23_107
Purpose:Verify T25 timer operation for VCs and PVCs
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC)				
+P4D1_PREAMBLE				
REPEAT EXCH_DAT_NOACK(COUNT) UNTIL #[COUNT = DEF_WIN_SZ]				
START TT25 (T25 - TDELTA)				
?TIMEOUT TT25	L2			
START TDEL (TDELTA * 2)				
(COUNT := 0)				
?DATA	L1	DAT_1A(LCI, COUNT)		
# (COUNT:=COUNT+1)				
[COUNT MOD SEQ_MODULO = #PR]			(P)	
+D1_POSTAMBLE				
[COUNT MOD SEQ_MODULO < #PR]				
GOTO L1				
?DATA		DAT_1(LCI)	F	
?RESET		RST_1(LCI)	F	
+D1C_UNEXPECTED				
GOTO L1				
+CLR_UNEXPECTED				
+RSTRT_UNEXPECTED				
?TIMEOUT TDEL			F	
?OTHERWISE CANCEL			F	
+D1C_UNEXPECTED				
GOTO L2				
+CLR_UNEXPECTED				
+RSTRT_UNEXPECTED				
?TIMEOUT TT25			F	
?OTHERWISE CANCEL			F	

Extended Comments:
NOTE: This test case is only applicable when the DTE implements ISO 8208 timers T24, T25, T27 and/or T28. CCITT X.25 1980 and 1984 do not specify timers T24 through T27. ISO 8208 does not specify T26 as optional, whereas T24, T25, T27, and T28 are specified as optional.

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Test Case Dynamic Behaviour

Reference:PACKET/TIMER/PROPER/P08
Identifier:P23_108
Purpose:Verify T26 timer operation for VCs and PVCs
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC)				
+P4D1_PREAMBLE				
<IUT!INT>		INT_1(LCI)		
START TD				
?INT CANCEL TD		INT_1(LCI)		
START TT26 (T26 - TDELTA)				
?TIMEOUT TT26				
START TDEL (TDELTA * 2)				
?RESET [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG144 OR DIAG145)) OR #CAUSE_EQ_128] CANCEL		RST_1(LCI)	(P)	
+D2_POSTAMBLE				
?CLEAR [CLR_ON_ERR_R] [#(CAUSE_EQ_0 AND (DIAG0)) OR CAUSE_EQ_128] #CANCEL		CLR_1(LCI)	(P)	
+D_STATE_CLR				
?RESTART [RST_ON_ERR_R] [#(CAUSE_EQ_0 AND (DIAG0)) OR CAUSE_EQ_128] #CANCEL		STRT_1DTEA	(P)	
+D_STATE_RES				
?TIMEOUT TDEL			F	
?OTHERWISE CANCEL			F	
+RSET_UNEXPECTED				
+CLR_UNEXPECTED				
+RSTRT_UNEXPECTED				
?TIMEOUT TT26			F	
?OTHERWISE CANCEL TT26			F	

Extended Comments:

NOTE: This test case is only applicable when the DTE implements ISO 8208 timers T24, T25, T27 and/or T28. CCITT X.25 1980 and 1984 do not specify timers T24 through T27. ISO 8208 does not specify T26 as optional, whereas T24, T25, T27, and T28 are specified as optional.

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Test Case Dynamic Behaviour				
Reference:PACKET/TIMER/PROPER/P09 Identifier:P23_109 Purpose:Verify T27 timer operation for VCs and PVCs Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE !DATA (DATA.PS:=1,DATA.PR:=0) START TD ?REJ CANCEL TD START TT27 (T27 - TDELTA) ?TIMEOUT TT27 START TDEL (T27 - TDELTA) ?REJ CANCEL !DATA (DATA.PS:=0, DATA.PR:=0) +D1_POSTAMBLE ?RESET [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG1 OR DIAG144 OR DIAG147)) OR #CAUSE_EQ_128] CANCEL +D2_POSTAMBLE ?CLEAR [CLR_ON_ERR_R] [#(CAUSE_EQ_0 AND (DIAG0)) OR CAUSE_EQ_128] #CANCEL +D_STATE_CLR ?RESTART [RST_ON_ERR_R] [#(CAUSE_EQ_0 AND (DIAG0)) OR CAUSE_EQ_128] #CANCEL +D_STATE_RES +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?TIMEOUT TDEL ?OTHERWISE CANCEL TD +CLR_UNEXPECTED +RSTRT_UNEXPECTED		D_ONE(LCI) REJ_1(LCI) REJ_1(LCI) D_ONE(LCI) RST_1(LCI) CLR_1(LCI) STRT_1DTEA

. . . . . Continued from previous page.
[6]

Behaviour Description	Label	Constraints Reference	V	Comments
?TIMEOUT TT27 ?OTHERWISE CANCEL TT27			F F	

Extended Comments: 1) no information, invalid p(s), timer expired or retransmission count surpassed for Reject

NOTE: This test case is only applicable when the DTE implements ISO 8208 timers T24, T25, T27 and/or T28. CCITT X.25 1980 and 1984 do not specify timers T24 through T27. ISO 8208 does not specify T26 as optional, whereas T24, T25, T27 and T28 are optional.

NOTE: This test case is only applicable to IUTs that implement the reset procedure.

Test Case Dynamic Behaviour

Reference:PACKET/TIMER/PROPER/P10
Identifier:P23_110
Purpose:Verify T28 timer operation for VCs and PVCs
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC)				
<IUT!REG>		REG_1		
START TD				
?REG CANCEL TD		REG_1		
START TT28 (T28 - TDELTA)				
?TIMEOUT TT28				
START TDEL (TDELTA * 2)				
?REG CANCEL		REG_1	(P)	
!REGC		REGC_0		1
+R1_POSTAMBLE				
+RSTRT_UNEXPECTED				
?TIMEOUT TDEL			F	
?OTHERWISE CANCEL			F	
+RSTRT_UNEXPECTED				
?TIMEOUT TT28			F	
?OTHERWISE CANCEL TT28			F	

Extended Comments:
1) no diagnostic code for timer T28 Expired in ISO 8208

NOTE: This test case is only applicable when the DTE implements ISO 8208 timers T24, T25, T27 and/or T28. CCITT X.25 1980 and 1984 do not specify timers T24 through T27. ISO 8208 does not specify T26 as optional, whereas T24, T25, T27 and T28 are optional.

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Packet Layer Group 24: Address Tests

PLG 24 contains test cases for ADDRESS TESTS. PLG 24 is applicable to IUTs supporting Incoming Virtual Calls.

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Test Case Dynamic Behaviour				
Reference:PACKET/ADDRESS/PROPER/P01 Identifier:P24_101 Purpose:Verify the IUT accepts an Incoming Call with maximum called address length Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(TVC_OR_IVC) !CALL START TD ?ACCEPT CANCEL TD +P4_POSTAMBLE +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		CALL_M(LCI) ANSR_1M(LCI)	(P) F F	1
Extended Comments: 1) no response				

Test Case Dynamic Behaviour				
Reference:PACKET/ADDRESS/PROPER/P02 Identifier:P24_102 Purpose:Verify the IUT accepts an Incoming Call with a valid calling and called address Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC) !CALL START TD ?ACCEPT CANCEL TD +P4_POSTAMBLE +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		CALL_0(LCI) ANSR_1(LCI)	(P) F F	no response

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Test Case Dynamic Behaviour				
Reference:PACKET/ADDRESS/IMPROPER/P02 Identifier:P24_202 Purpose:Verify the IUT Clears an Incoming call packet with invalid called address Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC) !CALL START TD # ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG64 OR DIAG67)) OR CAUSE_EQ_128] CANCEL +GEN1_POSTAMBLE ?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG64 OR DIAG67)) OR #CAUSE_EQ_128] CANCEL +GEN2_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		CALL_DINV (LCI) CLR_1(LCI) STRT_IDTEA	(P) (P) F F	1
Extended Comments: 1) no information, setup problem, invalid called NOTE: invalid addresses are considered to be those that are in conflict with the addresses supported by the IUT as stated in the PIXIT 2.2 and 2.3 NOTE: this test case is only applicable to IUTs that verify addresses				

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Test Case Dynamic Behaviour				
Reference:PACKET/ADDRESS/IMPROPER/P03 Identifier:P24_203 Purpose:Verify the IUT Clears an Incoming Call packet with an invalid calling address Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC)				
!CALL START TD		CALL_GINV (LCI)		1
# ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG64 OR DIAG68)) OR CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	2
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG64 OR DIAG68)) OR #CAUSE_EQ_128] CANCEL		STRT_LDTEA	(P)	
+GEN2_POSTAMBLE				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	
Extended Comments: 1) the invalid address used is given in PIXIT question 2.1b 2) no information, setup problem, invalid calling				

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Packet Layer Group 25: Facility Tests

PLG 25 contains the test cases for facility tests. PLG 25 is applicable only to IUTs implementing some optional facilities. All facilities are tested individually without other facilities being present.

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Test Case Dynamic Behaviour				
Reference:PACKET/FACILITY/PROPER/P01 Identifier:P25_101 Purpose:Verify the IUT supports fast select acceptance with no restriction on response Default:				
Behaviour Description	**Label**	**Constraints Reference**	**V**	**Comments**
+P1_PREAMBLE (TVC_OR_IVC) !CALL START TD # ?CLEAR [(CAUSE_EQ_0 AND (DIAG<>64) OR #(DIAG<>65)) OR CAUSE_EQ_128] CANCEL +GEN1_POSTAMBLE ?ACCEPT CANCEL TD +P4_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		CALL_0FST (LCI) CLR_1(LCI) ANSR_1A(LCI)	 (P) (P) F F	 1 no response
Extended Comments: 1) any diagnostic code except; Registration Problem, facility/registration code not allowed				

Test Case Dynamic Behaviour				
Reference:PACKET/FACILITY/PROPER/P02 Identifier:P25_102 Purpose:Verify the IUT supports fast select acceptance with restriction on response Default:				
Behaviour Description	**Label**	**Constraints Reference**	**V**	**Comments**
+P1_PREAMBLE(TVC_OR_IVC) !CALL START TD # ?CLEAR [(CAUSE_EQ_0 OR (DIAG<>64) OR #(DIAG<>65)) OR CAUSE_EQ_128] CANCEL +GEN1_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		CALL_0FSTR (LCI) CLR_1(LCI)	 (P) F F	 1 no response
Extended Comments: 1) any diagnostic except; Registration Problem, facility/registration code not allowed				

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Test Case Dynamic Behaviour				
Reference:PACKET/FACILITY/PROPER/P03 Identifier:P25_103 Purpose:Verify the IUT accepts a Call Accept with user data, no restriction on response Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC)				
<IUT!CALL> START TD		CALL_1FST		
?CALL (LCGN:=CALL.LCGN,LCN: #=CALL.LCN) CANCEL		CALL_1FST		
(LC := GET_LCI (LCGN, LCN))				
[((LC >= LTC) AND (LC <= HTC)) #OR ((LC >= LOC) AND (LC <= HOC))]				
!ACCEPT START TD		ANSR_OUD(LCI)		
?TIMEOUT TD	L1		(P)	
+P4_POSTAMBLE				
?CLEAR CANCEL TD		CLR_1(LCI)		
!CLEARC		CLRC_0(LCI)	F	
+D1C_UNEXPECTED GOTO L1				
+RSTRT_UNEXPECTED				
?OTHERWISE CANCEL TD			F	
[(LC < LTC) OR (LC > HOC)]			F	
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	no response
?OTHERWISE CANCEL TD			F	
Extended Comments:				

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Test Case Dynamic Behaviour

Reference:PACKET/FACILITY/PROPER/P04
Identifier:P25_104
Purpose:Verify the IUT supports a Clear Indication with user data <= 128 octets, no restriction on response
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC)				
<IUT!CALL>		CALL_1FST		
START TD				
?CALL (LCGN:=CALL.LCGN,LCN:#=CALL.LCN) CANCEL		CALL_1FST		2
(LC := GET_LCI (LCGN,LCN))				
[((LC >= LTC) AND (LC <= HTC)) #OR ((LC >= LOC) AND (LC <= HOC))]				
!ACCEPT		ANSR_0UD(LCI)		3
!CLEAR START TD		CLR_U0(LCI)		1
?CLEARC CANCEL TD		CLRC_1(LCI)	(P)	
+R1_POSTAMBLE				
?CLEAR CANCEL TD		CLR_1(LCI)	(P)	
+R1_POSTAMBLE				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	
[(LC < LTC) OR (LC > HOC)]			F	
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	

Extended Comments:

1) Clear with user data from PIXIT 2.7e

2) Call Request with Fast Select no restriction on response, user data from PIXIT 2.7b

3) Call Accept with user data

NOTE: this test case only applies to ISO 8208 and CCITT X.25 1984 IUTs

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Test Case Dynamic Behaviour

Reference:PACKET/FACILITY/PROPER/P05
Identifier:P25_105
Purpose:Verify the IUT can handle a Call Request and Clear Request exchange with user data, restriction on response is supported
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC)				
<IUT!CALL>		CALL_1FSTR		
START TD				
?CALL (LCGN:=CALL.LCGN,LCN:#=CALL.LCN) CANCEL		CALL_1FSTR		
(LC := GET_LCI(LCGN,LCN))				
[((LC >= LTC) AND (LC <= HTC)) #OR ((LC >= LOC) AND (LC <= HOC))]				
!CLEAR START TD		CLR_U0(LCI)		
?CLEARC CANCEL TD		CLRC_1(LCI)	(P)	
+R1_POSTAMBLE				
?CLEAR CANCEL TD		CLR_1(LCI)	(P)	
+R1_POSTAMBLE				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	
[(LC < LTC) OR (LC > HOC)]			F	
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	

Extended Comments:

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Test Case Dynamic Behaviour

Reference:PACKET/FACILITY/PROPER/P06
Identifier:P25_106
Purpose:Verify the IUT Clears a Call Connected packet with user data when restriction on response is in effect
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC)				
<IUT!CALL>		CALL_1FSTR		
START TD				
?CALL (LCGN:=CALL.LCGN,LCN:#=CALL.LCN) CANCEL		CALL_1FSTR		
(LC := GET_LCI (LCGN,LCN))				
[((LC >= LTC) AND (LC <= HTC)) #OR ((LC >= LOC) AND (LC <= HOC))]				
!ACCEPT START TD		ANSR_OUT(LCI)		1
?CLEAR [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG32 OR DIAG42 OR DIAG64)) OR #CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	2
+GEN1_POSTAMBLE				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	no response
?OTHERWISE CANCEL TD			F	
[(LC < LTC) OR (LC > HOC)]			F	
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	no response
?OTHERWISE CANCEL TD			F	

Extended Comments:
1) one octet of user data
2) no information, not allowed, bad facility, clearing problem

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Test Case Dynamic Behaviour				
Reference:PACKET/FACILITY/PROPER/P07 Identifier:P25_107 Purpose:Verify the IUT supports an Incoming Call with default throughput class Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC)				
!CALL START TD # ?ACCEPT CANCEL TD		CALL_0DTHR (LCI) ANSR_1A(LCI)	(P)	
+P4_POSTAMBLE				
?ACCEPT CANCEL TD #		ANSR_1DTHR (LCI)	(P)	
+P4_POSTAMBLE				
+CLR_UNEXPECTED +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	no response
Extended Comments:				

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Test Case Dynamic Behaviour

Reference:PACKET/FACILITY/PROPER/P08
Identifier:P25_108
Purpose:Verify the IUT supports a Call Request with default throughput class
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(NO_LC)				
<IUT!CALL> START TD		CALL_1DTHR		
?CALL (LCGN:=CALL.LCGN, LCN: #=CALL.LCN) CANCEL (LC := GET_LCI (LCGN,LCN))		CALL_1DTHR		
[((LC >= LTC) AND (LC <= HTC)) #OR ((LC >= LOC) AND (LC <= HOC))]				
!ACCEPT START TD #		ANSR_0THR (LCI)		
?TIMEOUT TD	L1		(P)	
+P4_POSTAMBLE				
?CLEAR CANCEL TD !CLEARC		CLR_1(LCI) CLRC_0(LCI)	F	
+D1C_UNEXPECTED GOTO L1				
+RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD			F	
[(LC < LTC) OR (LC > HOC)]			F	
?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	

Extended Comments:

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Test Case Dynamic Behaviour				
Reference:PACKET/FACILITY/PROPER/P09 Identifier:P25_109 Purpose:Verify the IUT supports an Incoming Call with default packet size Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC) !CALL START TD # ?ACCEPT (I := ACCEPT.F_PARM1) CANCEL # [I = 7] CANCEL +P4_POSTAMBLE [I <> 7] CANCEL ?ACCEPT CANCEL +P4_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		CALL_PSZD (LCI) ANSR_1PAC (LCI) ANSR_1A(LCI)	 (P) F (P) F F	 no response
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/FACILITY/PROPER/P10 Identifier:P25_110 Purpose:Verify the IUT supports an Incoming Call with default window size Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(TVC_OR_IVC) !CALL START TD # ?ACCEPT (I := ACCEPT.F_PARM1) CANCEL # [I = 2] CANCEL +P4_POSTAMBLE [I <> 2] CANCEL ?ACCEPT CANCEL # +P4_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		CALL_DWIN (LCI) ANSR_1WIN (LCI) ANSR_1A(LCI)	 (P) F (P) F F	 no faciliti es

Test Case Dynamic Behaviour				
Reference:PACKET/FACILITY/PROPER/P11 Identifier:P25_111 Purpose:Verify IUT supports an Incoming Call with Transit Delay indication Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC) !CALL START TD ?ACCEPT CANCEL TD +P4_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		CALL_TRD(LCI) ANSR_1A(LCI)	 (P) F F	 no response

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Test Case Dynamic Behaviour				
Reference:PACKET/FACILITY/PROPER/P12 Identifier:P25_112 Purpose:Verify IUT accepts an Incoming Call with Closed User Group < 100 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC) [BCUG_NUM < 100] !CALL START TD # ?ACCEPT CANCEL TD +P4_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		CALL_0CUG (LCI) ANSR_1A(LCI)	 (P) F F	1
Extended Comments:1) Basic format CUG				

Test Case Dynamic Behaviour				
Reference:PACKET/FACILITY/PROPER/P13 Identifier:P25_113 Purpose:Verify the IUT accepts an Incoming Call with CUG > 99 and CUG < 10000 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC) [(ECUG_NUM > 99) AND (ECUG_NUM < 10000)] !CALL START TD # ?ACCEPT CANCEL TD +P4_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		CALL_ECUG (LCI) ANSR_1A(LCI)	 (P) F F	1
Extended Comments:1) extended format CUG				

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Test Case Dynamic Behaviour				
Reference:PACKET/FACILITY/PROPER/P14 Identifier:P25_114 Purpose:Verify the IUT accepts a Call with Bilateral CUG Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC) !CALL START TD # ?ACCEPT CANCEL TD +P4_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		CALL_BICUG (LCI) ANSR_1A(LCI)	(P) F F	
Extended Comments:				

Test Case Dynamic Behaviour				
Reference:PACKET/FACILITY/PROPER/P15 Identifier:P25_115 Purpose:Verify the IUT accepts a call with Reverse Charging facility Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC) !CALL START TD ?ACCEPT CANCEL TD +P4_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		CALL_RC(LCI) ANSR_1A(LCI)	(P) F F	

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Test Case Dynamic Behaviour				
Reference:PACKET/FACILITY/PROPER/P16 Identifier:P25_116 Purpose:Verify the IUT accepts a call using the CCITT-Specified DTE Calling and Called Address Extension Facility Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC) !CALL START TD ?ACCEPT CANCEL +P4_POSTAMBLE ?ACCEPT CANCEL # +P4_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL		CALL_AEF(LCI) ANSR_1A(LCI) ANSR_1AEF (LCI)	 (P) (P) F F	
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/FACILITY/IMPROPER/P01 Identifier:P25_201 Purpose:Verify the IUT Clears an Incoming Call packet with facility length greater than 109. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC) !CALL START TD # ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG39 OR DIAG64 OR DIAG69)) OR #CAUSE_EQ_128] CANCEL +GEN1_POSTAMBLE ?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG39 OR DIAG64 #OR DIAG69)) OR CAUSE_EQ_128] CANCEL +GEN2_POSTAMBLE +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		CALL_F110 (LCI) CLR_1(LCI) STRT_1DTEA	(P) 1 (P) F F	
Extended Comments: 1) no information, not allowed, too long, setup problem, invalid length				

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Test Case Dynamic Behaviour				
Reference:PACKET/FACILITY/IMPROPER/P02 Identifier:P25_202 Purpose:Verify the IUT Clears an Incoming Call packet with no facility field Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC) !CALL START TD ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG38 OR DIAG64 OR DIAG69)) OR #CAUSE_EQ_128] CANCEL +GEN1_POSTAMBLE ?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG38 OR DIAG64 #OR DIAG69)) OR CAUSE_EQ_128] CANCEL +GEN2_POSTAMBLE +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		CALL_F0(LCI) CLR_1(LCI) STRT_IDTEA	 (P) (P) F F	 1
Extended Comments: 1) no information, not allowed, too short, Call Setup problem, invalid facility length				

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Test Case Dynamic Behaviour				
Reference:PACKET/FACILITY/IMPROPER/P03 Identifier:P25_203 Purpose:Verify the IUT Clears an Incoming Call packet with facility parameter not allowed Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC) !CALL START TD ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG64 OR DIAG66)) OR CAUSE_EQ_128] CANCEL +GEN1_POSTAMBLE ?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG64 OR DIAG66)) OR #CAUSE_EQ_128] CANCEL TD +GEN2_POSTAMBLE +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		CALL_FNA(LCI) CLR_1(LCI) STRT_1DTEA	(P) (P) F F	1
Extended Comments: 1) no information, Call Setup problem, facility parameter not allowed				

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Test Case Dynamic Behaviour				
Reference:PACKET/FACILITY/IMPROPER/P04 Identifier:P25_204 Purpose:Verify the IUT Clears an Incoming Call packet with call duration Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC) !CALL START TD ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG42 OR DIAG64 OR DIAG65)) OR #CAUSE_EQ_128] CANCEL +GEN1_POSTAMBLE ?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG42 OR DIAG64 #OR DIAG65)) OR CAUSE_EQ_128] CANCEL +GEN2_POSTAMBLE +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		CALL_DUR(LCI) CLR_1(LCI) STRT_1DTEA

Test Case Dynamic Behaviour

Reference:PACKET/FACILITY/IMPROPER/P05
Identifier:P25_205
Purpose:Verify the IUT Clears a Call Connected packet containing Closed User Group (CUG)
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC)				
<IUT!CALL>		CALL_1CUG		
START TD				
?CALL (LCGN:=CALL.LCGN, LCN: #=CALL.LCN) CANCEL		CALL_1CUG		
(LC := GET_LCI (LCGN,LCN))				
[((LC >= LTC) AND (LC <= HTC)) #OR ((LC >= LOC) AND (LC <= HOC))]				
!ACCEPT START TD		ANSR_0CUG (LCI)		
#				
?CLEAR [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG32 OR DIAG42 OR DIAG64 OR #DIAG65)) OR CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	1
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG32 OR DIAG42 #OR DIAG64 OR DIAG65)) OR CAUSE_EQ_128] #CANCEL		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
+CLR_UNEXPECTED				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	
[(LC < LTC) OR (LC > HTC)]			F	
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	

Extended Comments:

1) no information, Packet Not Allowed, packet type not compatible with facility, Call Setup problem, facility code not allowed

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Test Case Dynamic Behaviour

Reference:PACKET/FACILITY/IMPROPER/P06
Identifier:P25_206
Purpose:Verify the IUT Clears a Clear Indication containing flow control parameter negotiation
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE				
!CLEAR START TD		CLR_DWIN(LCI)		
?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG42 OR DIAG64 OR DIAG69)) OR #CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	1
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG32 OR DIAG42 OR DIAG64 #OR DIAG69)) OR CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
+CLR_UNEXPECTED				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	

Extended Comments:

1) no information, Packet Not Allowed, packet type not compatible with facility, Call Setup problem, invalid facility length

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Test Case Dynamic Behaviour

Reference:PACKET/FACILITY/IMPROPER/P07
Identifier:P25_207
Purpose:Verify the IUT Clears an Incoming Call packet with facilities length shorter than specified, answer initial Clear with a Clear Confirm with Reverse Charging facility.
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC)				
!CALL START TD		CALL_FSH(LCI)		
?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG38 OR DIAG64 OR DIAG69)) OR #CAUSE_EQ_128] START TD		CLR_1(LCI)		3
!CLEARC		CLRC_R(LCI)		2
?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG32 OR DIAG42 OR DIAG64 OR DIAG65)) OR #CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	1
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG32 OR DIAG42 #OR DIAG64 OR DIAG65)) OR CAUSE_EQ_128] #CANCEL		STRT_1DTEA	(P)	1
+GEN2_POSTAMBLE				
+CLR_UNEXPECTED				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	

Extended Comments:

1) no information, packet not allowed, packet type not compatible with facility, call setup problem, facility code not allowed

2) a Clear Confirm with Reverse Charging

3) no information, Packet Not Allowed, packet too short, Call Setup problem, invalid facility length

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Test Case Dynamic Behaviour				
Reference:PACKET/FACILITY/IMPROPER/P08 Identifier:P25_208 Purpose:Verify the IUT Clears an Incoming Call with facility code 'FE'H Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC) !CALL START TD ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG64 OR DIAG65)) OR CAUSE_EQ_128] CANCEL #TD +GEN1_POSTAMBLE ?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 #AND (DIAG0 OR DIAG64 OR DIAG65)) OR #CAUSE_EQ_128] CANCEL TD +GEN2_POSTAMBLE +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		CALL_FCB(LCI) CLR_1(LCI) STRT_IDTEA	 (P) (P) F F	 1
Extended Comments: 1) no information, Call setup, facility code not allowed				

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Test Case Dynamic Behaviour				
Reference:PACKET/FACILITY/IMPROPER/P09 Identifier:P25_209 Purpose:Verify the IUT clears a Clear Indication with facility code 'FE'H Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC) !CALL START TD ?ACCEPT CANCEL TD		CALL_0(LCI) ANSR_1(LCI)		
!CLEAR START TD ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG64 OR DIAG65)) OR CAUSE_EQ_128] CANCEL #TD		CLR_FCB(LCI) CLR_1(LCI)	(P)	1
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] [#(CAUSE_EQ_0 AND (DIAG0 OR DIAG64 OR #DIAG65)) OR CAUSE_EQ_128] CANCEL TD		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
+CLR_UNEXPECTED +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD			 F F	
+CLR_UNEXPECTED +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD			 F F	
Extended Comments: 1) no information, Call setup, facility code not allowed				

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Packet Layer Group 26: Registration Tests

PLG 26 contains the test cases for the Registration Tests. This packet layer test group is applicable if the IUT supports the REGISTRATION procedure.

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Test Case Dynamic Behaviour				
Reference:PACKET/REG/PROPER/P01 Identifier:P26_101 Purpose:Verify the IUT registers D-BIT modification Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) <IUT!REG> START TD ?REG CANCEL TD !REGC !CALL START TD ?ACCEPT [ACCEPT.DBIT = '1'B] #CANCEL +P4_POSTAMBLE +RSTRT_UNEXPECTED ?OTHERWISE CANCEL +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		 REG_1D REG_1D REGC_0D CALL_0D(LCI) ANSR_1D(LCI)	 (P) F F F	 1
Extended Comments: 1) Verify the IUT accepts Calls with Delivery Confirmation after a Registration Request for Delivery Confirmation has been accepted.				

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Test Case Dynamic Behaviour				
Reference:PACKET/REG/PROPER/P02 Identifier:P26_102 Purpose:Verify the IUT registers Packet Retransmission Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) <IUT!REG> START TD ?REG CANCEL TD !REGC +P4D1_PREAMBLE !DATA START TD ?REJ CANCEL TD !DATA +D1_POSTAMBLE +D1C_UNEXPECTED GOTO L1 +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD	 L1

Test Case Dynamic Behaviour				
Reference:PACKET/REG/PROPER/P03 Identifier:P26_103 Purpose:Verify the IUT registers Extended Packet sequence numbering Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC)				
<IUT!REG>		REG_1X		
START TD				
?REG CANCEL TD		REG_1X		
!REGC		REGC_0X		
!CALL START TD		CALL_X(LCI)		
?ACCEPT CANCEL TD		ANSR_X(LCI)	(P)	
REPEAT EXCH_DAT(COUNT) UNTIL #[PS > 8]				
[PS > 8]			(P)	
+D1_POSTAMBLE				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	
Extended Comments:				

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Test Case Dynamic Behaviour				
Reference:PACKET/REG/PROPER/P04 Identifier:P26_104 Purpose:Verify the IUT supports the Charging Information Facility (Per-Interface basis) Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) <IUT!REG> START TD ?REG CANCEL TD !REGC +P4D1_PREAMBLE !CLEAR START TD ?CLEARC CANCEL TD +R1_POSTAMBLE +D1C_UNEXPECTED GOTO L1 +RSET_UNEXPECTED +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD	L1	REG_1CH REG_1CH REGC_0CH CLR_CHRG(LCI) CLRC_1(LCI)	(P) F F F F	1
Extended Comments: 1) send a Clear with Charging Information: Call Duration of 1 second.				

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Test Case Dynamic Behaviour				
Reference:PACKET/REG/PROPER/P05 Identifier:P26_105 Purpose:Verify the IUT registers Throughput class negotiation Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC)				
<IUT!REG>		REG_1TH		
START TD				
?REG CANCEL TD		REG_1TH		
!REGC		REGC_0TH		
!CALL START TD		CALL_THR(LCI)		
?ACCEPT CANCEL TD		ANSR_1THR	(P)	1
#		(LCI)		
+P4_POSTAMBLE				
?ACCEPT CANCEL		ANSR_1(LCI)	(P)	
+P4_POSTAMBLE				
+CLR_UNEXPECTED				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	
Extended Comments: 1) Call Accepted may include different throughput values according to rules of negotiation				

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Test Case Dynamic Behaviour

Reference:PACKET/REG/PROPER/P06
Identifier:P26_106
Purpose:Verify the IUT registers Flow Control negotiation
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC)				
<IUT!REG>		REG_1F		
START TD				
?REG CANCEL TD		REG_1F		
!REGC		REGC_0F		
!CALL START TD		CALL_PSZM		1
#		(LCI)		
?ACCEPT CANCEL TD		ANSR_1PAC	(P)	2
#		(LCI)		
+P4_POSTAMBLE				
?ACCEPT CANCEL		ANSR_1(LCI)	(P)	
+P4_POSTAMBLE				
+CLR_UNEXPECTED				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	

Extended Comments:

1) send a Call Request with packet size negotiation facility present

2) Call Accepted may include different packet and/or window values according to rules of negotiation

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Test Case Dynamic Behaviour

Reference:PACKET/REG/PROPER/P07
Identifier:P26_107
Purpose:Verify the IUT registers Reverse Charging facility
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC)				
<IUT!REG>		REG_1RC		
START TD				
?REG CANCEL TD		REG_1RC		
!REGC		REGC_0RC		
!CALL START TD		CALL_RC(LCI)		1
?ACCEPT CANCEL TD	L1	ANSR_1(LCI)	(P)	
+P4_POSTAMBLE				
?CLEAR [(CAUSE_EQ_0 AND (DIAG0 #OR DIAG65)) OR CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	
+GEN1_POSTAMBLE				
+D1C_UNEXPECTED				
GOTO L1				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	

Extended Comments:

1) Call Request with reverse charging

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Test Case Dynamic Behaviour

Reference:PACKET/REG/PROPER/P08
Identifier:P26_108
Purpose:Verify the IUT registers Fast Select acceptance
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC)				
<IUT!REG>		REG_1FST		
START TD				
?REG CANCEL TD		REG_1FST		
!REGC		REGC_0FST		
!CALL START TD		CALL_0FST		1
#		(LCI)		
?ACCEPT CANCEL TD		ANSR_1(LCI)	(P)	
+P4_POSTAMBLE				
?CLEAR [(CAUSE_EQ_0 OR (DIAG0		CLR_1(LCI)	(P)	
#OR DIAG65)) OR CAUSE_EQ_128] CANCEL				
+GEN1_POSTAMBLE				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	

Extended Comments:

1) send a Call Request with Fast Select

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Test Case Dynamic Behaviour

Reference:PACKET/REG/PROPER/P09
Identifier:P26_109
Purpose:Verify the IUT registers outgoing calls barred facility
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC)				
<IUT!REG>		REG_1OCB		
START TD				
?REG CANCEL TD		REG_1OCB		
!REGC		REGC_0OCB		
<IUT!CALL>		CALL_1		
START TD				
?TIMEOUT TD			(P)	2
+R1_POSTAMBLE				
+RSTRT_UNEXPECTED				
?OTHERWISE CANCEL TD			F	1
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	

Extended Comments:

1) When outgoing calls are barred the IUT should not send a Call Request

2) no response

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Test Case Dynamic Behaviour				
Reference:PACKET/REG/PROPER/P10 Identifier:P26_110 Purpose:Verify the IUT registers Incoming Calls Barred Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) <IUT!REG> START TD ?REG CANCEL TD !REGC !CALL START TD ?CLEAR [(CAUSE_EQ_0 AND (DIAG0 #OR DIAG65)) OR CAUSE_EQ_128] CANCEL TD +GEN1_POSTAMBLE +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		REG_1ICB REG_1ICB REGC_0ICB CALL_0(LCI) CLR_1(LCI)

Test Case Dynamic Behaviour				
Reference:PACKET/REG/PROPER/P11 Identifier:P26_111 Purpose:Verify the IUT registers Default Throughput Class Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC)				
<IUT!REG>		REG_1DEF		
START TD				
?REG CANCEL TD		REG_1DEF		
!REGC		REGC_0DEF		
!CALL START TD		CALL_0(LCI)		
?ACCEPT CANCEL TD		ANSR_1(LCI)	(P)	
+P4_POSTAMBLE				
+CLR_UNEXPECTED				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	
Extended Comments:				

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Test Case Dynamic Behaviour

Reference:PACKET/REG/PROPER/P12
Identifier:P26_112
Purpose:Verify the IUT registers Non-standard Default Packet Size
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC)				
<IUT!REG>		REG_1PSZ		
START TD				
?REG CANCEL TD		REG_1PSZ		
!REGC		REGC_0PSZ		
!CALL START TD		CALL_0(LCI)		
?ACCEPT CANCEL TD		ANSR_1(LCI)	(P)	
!DATA		D_NSSZ(LCI)		1
+RX_DATA				
+P4_POSTAMBLE				
+CLR_UNEXPECTED				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	

Extended Comments:

1) Transmit a Data packet of non-standard size

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Test Case Dynamic Behaviour				
Reference:PACKET/REG/PROPER/P13 Identifier:P26_113 Purpose:Verify the IUT registers Nonstandard Default Window size Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (ANY_VC) <IUT!REG> START TD ?REG CANCEL TD !REGC !CALL START TD ?ACCEPT CANCEL TD REPEAT EXCH_DAT_NOACK(COUNT) #UNTIL [COUNT = NS_DEF_WIN_SZ_NUM] [COUNT = #NS_DEF_WIN_SZ_NUM] +P4_POSTAMBLE +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD		REG_1WSZ REG_1WSZ REGC_0WSZ CALL_0(LCI) ANSR_1(LCI)	 (P) F F F F	
Extended Comments:				

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Packet Layer Group 27: Multiple LCI Assignment Tests

PLG 27 contains the test cases for Logical Channel Identifier Assignment. PLG 27 is applicable only to IUTs supporting Virtual Calls. The number of LCIs tested is dependant on answers given in the PIXIT and may be only one.

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Test Case Dynamic Behaviour				
Reference:PACKET/LCI/PROPER/P01 Identifier:P27_101 Purpose: Verify the IUT can set up simultaneous calls. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+INITDTE REPEAT CALLSETUP UNTIL [COUNT = #SIM_CALL_OUT]				count = 0
!RESTART START TD ?RESTARTC CANCEL TD +R1_POSTAMBLE		STRT_DCE STRTC_1	(P)	
?RESTART CANCEL TD +R1_POSTAMBLE		STRT_1DTEA	(P)	
?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	
CALLSETUP <IUT!CALL> START TD ?CALL (LCGN:=CALL.LCGN,LCN:=CALL.LCN) #CANCEL		CALL_1 CALL_1		
(LC := GET_LCI (LCGN,LCN)) [((LC >= LTC) AND (LC <= HTC)) OR #((LC >= LOC) AND (LC <= HOC))]				
+LC_VERFIY(LC)				1
!ACCEPT START TD ?TIMEOUT TD (COUNT := COUNT + 1) +D1C_UNEXPECTED GOTO L1	L1	ANSR_0(LCI)		

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Behaviour Description	Label	Constraints Reference	V	Comments
+CLR_UNEXPECTED +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD			F	
[(LC < LTC) OR (LC > HOC)]			F	
+CLR_UNEXPECTED +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	
Extended Comments: 1) Verify the Logical Channel is not already in use by a previous call.				

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Test Case Dynamic Behaviour

Reference:PACKET/LCI/PROPER/P02
Identifier:P27_102
Purpose: Verify the IUT can set up and clear simultaneous calls
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+INITDTE				
REPEAT CALLSETUP UNTIL [COUNT = #SIM_CALL_OUT]				count = 0
(LC := HOC)				
REPEAT CALLDISC UNTIL [LC < LOC]				1
(LC := HTC)				
REPEAT CALLDISC UNTIL [LC < LTC]				2
[LC < LTC]			P	
CALLSETUP				
<IUT!CALL>		CALL_1		
START TD				
?CALL (LCGN:=CALL.LCGN,LCN:=CALL.LCN)		CALL_1		
#CANCEL				
(LC:=GET_LCI(LCGN,LCN))				
[((LC >= LTC) AND (LC <= HTC)) OR #((LC >= LOC) AND (LC <= HOC))]				
+LC_VERIFY(LC)				
!ACCEPT START TD		ANSR_0(LCI)		
?TIMEOUT TD	L1			
(COUNT := COUNT + 1)				
+DLC_UNEXPECTED				
GOTO L1				
+CLR_UNEXPECTED				
+RSTRT_UNEXPECTED				
?OTHERWISE CANCEL TD			F	

[8]

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[5]

Behaviour Description	Label	Constraints Reference	V	Comments
[(LC < LTC) OR (LC > HOC)]			F	
+CLR_UNEXPECTED				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	
CALLDISC				
(LCGN := GET_LCGN(LC))				
(LCN := GET_LCN(LC))				
+P4_POSTAMBLE				3
(LC := LC - 1)				

Extended Comments:

1) disconnect all the call on Outgoing Logical channels from the Highest Outgoing LC to Lowest Outgoing LC

2) disconnect all the calls on Two-Way Logical channels from the Highest Two-way LC to the Lowest Two-way LC

3) clear each call

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Test Case Dynamic Behaviour				
Reference:PACKET/LCI/PROPER/P03 Identifier:P27_103 Purpose: Verify the IUT can accept simultaneous calls Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+R1_PREAMBLE (NO_LC)				
(LC := LTC) REPEAT CALLSETUP UNTIL [(COUNT = #SIM_CALL_IN) OR (LC > HTC)]				count = 0
(LC := LOC) REPEAT CALLSETUP UNTIL [(COUNT = #SIM_CALL_IN) OR (LC > HOC)]				
!RESTART START TD ?RESTARTC CANCEL TD		STRT_DCE STRTC_1	 (P)	
+R1_POSTAMBLE				
?RESTART CANCEL TD		STRT_1DTEA	(P)	
+R1_POSTAMBLE				
?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	
CALLSETUP				
!CALL START TD ?ACCEPT START TD		CALL_0(LCI) ANSR_1(LCI)		
?TIMEOUT TD	L1			
(LC := LC + 1) (COUNT := COUNT + 1)				
+D1C_UNEXPECTED GOTO L1 +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD			 F	
+CLR_UNEXPECTED +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL TD			 F F	

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Packet Layer Group 28: DTE to DTE Tests

PLG 28 contains the test cases for DTE/DTE tests. PLG 28 is applicable for all IUTs. However, there are some tests within this PLG which are only applicable if the IUT supports that capability.

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Test Case Dynamic Behaviour				
Reference:PACKET/DTE/PROPER/P01 Identifier:P28_101 Purpose:Verify the IUT acts as a DTE during call collision Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC)				
!RESTART START TD ?RESTARTC CANCEL TD +SUBTREE ?RESTART CANCEL TD +SUBTREE		STRT_DCE STRTC_1 STRT_1DTEA		
SUBTREE				
<IUT!CALL> START TD ?CALL (LCGN:=CALL.LCGN,LCN:=CALL.LCN) #CANCEL		CALL_1 CALL_1		
(LC := GET_LCI(LCGN,LCN))				
[((LC >= LTC) AND (LC <= HTC)) OR #((LC >= LOC) AND (LC <= HOC))]				
!CALL START TD ?TIMEOUT TD !ACCEPT +P4_POSTAMBLE +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?OTHERWISE CANCEL TD		CALL_0(LCI) ANSR_0(LCI)	 (P) F	
[(LC < LTC) OR (LC > HOC)]			F	
?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	
Extended Comments:				

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Test Case Dynamic Behaviour

Reference:PACKET/DTE/PROPER/P02
Identifier:P28_102
Purpose:Verify the IUT acts as a DCE when sent a Restart with Cause Code
DTE originated
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC)				
!RESTART START TD		STRT_DTE		
?RESTARTC CANCEL TD		STRTC_1		
+SUBTREE				
?RESTART CANCEL TD		STRT_1DCEA		
+SUBTREE				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	
SUBTREE				
<IUT!CALL>		CALL_1		
START TD				
?CALL (LCGN:=CALL.LCGN,LCN:=CALL.LCN)		CALL_1		
#CANCEL				
(LC := GET_LCI(LCGN,LCN))				
[((LC >= LIC) AND (LC <= HIC)) OR				
#((LC >= LTC) AND (LC <= HTC))]				
+ASSIGN_DTE (TVC_OR_OVC)				
!CALL START TD		CALL_0(LCI)		
?ACCEPT		ANSR_1(LCI)	(P)	
+P4_POSTAMBLE				
+CLR_UNEXPECTED				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	
[(LC < LIC) OR (LC > HTC)]			F	
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	

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Test Case Dynamic Behaviour

Reference:PACKET/DTE/PROPER/P03
Identifier:P28_103
Purpose:Verify the IUT can handle a Restart collision with a Restart containing Cause Code DTE originated
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC)				
<IUT!RESTART>		STRT_1DTEA		
START TD				
?RESTART CANCEL TD		STRT_1DTEA		
!RESTART START TD		STRT_DTE		
?RESTART [IUT_ACTS_DCE] CANCEL		STRT_1DCEA		
!RESTARTC		STRTC		
+ASSIGN_DTE (TVC_OR_OVC)				
+SUBTREE				
?RESTART [IUT_ACTS_DTE] CANCEL		STRT_1DTEA		
!RESTARTC		STRTC		
+ASSIGN_DCE (TVC_OR_IVC)				
+SUBTREE				
?RESTART [IUT_DYNAMIC] CANCEL		STRT_1DTEA		
!RESTARTC		STRTC		
+ASSIGN_DCE (TVC_OR_IVC)				
+SUBTREE				
?RESTART [IUT_DYNAMIC] CANCEL		STRT_1DCEA		
!RESTARTC		STRTC		
+ASSIGN_DTE (TVC_OR_OVC)				
+SUBTREE				
SUBTREE				
!CALL START TD		CALL_0(LCI)		
?ACCEPT CANCEL TD		ANSR_1(LCI)	(P)	
+P4_POSTAMBLE				
+CLR_UNEXPECTED				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	

Extended Comments:

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Test Case Dynamic Behaviour

Reference:PACKET/DTE/PROPER/P04
Identifier:P28_104
Purpose:Verify the IUT acting as a DTE Clears a Call packet with a facility code not applicable to DTE/DTE operation
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_IVC)				
!CALL START TD		CALL_NUI(LCI)		1
?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG64 OR DIAG65)) OR CAUSE_EQ_128] CANCEL		CLR_1(LCI)	(P)	2
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 #OR (DIAG0 OR DIAG64 OR DIAG65)) OR #CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	

Extended Comments:

1) CALL_NUI uses the facility Network User Identification

2) no information, setup problem, invalid facility

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Test Case Dynamic Behaviour				
Reference:PACKET/DTE/PROPER/P05 Identifier:P28_105 Purpose:Verify the IUT acting as a DTE accepts a Registration Request and issues a Restart Request Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE(NO_LC) +P4D1_PREAMBLE				
!REG START TD ?REGC [(CAUSE_EQ_0 AND (DIAG0 OR #DIAG160 OR DIAG167)) OR CAUSE_EQ_128] #CANCEL		REG_0 REGC_1		
START TD ?RESTART [(CAUSE_EQ_0 AND DIAG0) #OR CAUSE_EQ_128] CANCEL		STRT_1DTEA	(P)	1
+GEN2_POSTAMBLE				
?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	
?TIMEOUT TD ?OTHERWISE CANCEL TD			F F	
Extended Comments: 1) wait for Restart				

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Test Case Dynamic Behaviour

Reference:PACKET/DTE/PROPER/P06
Identifier:P28_106
Purpose:Verify the IUT acting as a DTE handles Registration Request collision
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (NO_LC)				
<IUT!REG>		REG_1		
START TD				
?REG CANCEL TD		REG_1		
!REG START TD		REG_0		
?TIMEOUT TD			(P)	
+R1_POSTAMBLE				
?REG CANCEL TD		REG_1	(P)	
!REGC		REGC_0		
+R1_POSTAMBLE				
+RSTRT_UNEXPECTED				
?OTHERWISE CANCEL TD			F	
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	

Extended Comments:

see clause 13.1.1.2 of ISO 8208

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Test Case Dynamic Behaviour				
Reference:PACKET/DTE/PROPER/P07 Identifier:P28_107 Purpose:Verify the IUT retransmits a Data packet upon receipt of a Reject Request Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (ANY_VC) +P4D1_PREAMBLE				
<IUT!DATA> START TD		D_ONE(LCI)		
?DATA CANCEL TD	L1	D_ONE(LCI)		
!REJ [REJ_SUPP] START TD		REJ_0(LCI)		
?DATA CANCEL TD	L2	D_ONE(LCI)	(P)	
+D1_POSTAMBLE				
+D1C_UNEXPECTED GOTO L2				
+CLR_UNEXPECTED				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	
+D1C_UNEXPECTED GOTO L1				
+CLR_UNEXPECTED				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	
Extended Comments:				

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Test Case Dynamic Behaviour

Reference:PACKET/DTE/PROPER/P08
Identifier:P28_108
Purpose:Verify the IUT acting as a DCE accepts a Clear with cause code DTE originated
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
+P1_PREAMBLE (TVC_OR_OVC)				
!RESTART START TD		STRT_DTE		
?RESTARTC CANCEL		STRTC_1		
+SUBTREE				
?RESTART CANCEL		STRT_1DCEA		
+SUBTREE				
?TIMEOUT TD			F	
SUBTREE				
!CLEAR START TD		CLR_0(LCI)		
?CLEARC CANCEL TD		CLRC_1(LCI)	(P)	
+R1_POSTAMBLE				
?CLEAR [CAUSE_NOT_0 AND CAUSE_NOT_128] #CANCEL		CLR_1(LCI)	(P)	
+GEN1_POSTAMBLE				
?RESTART [RST_ON_ERR_C] [CAUSE_NOT_0 OR #CAUSE_NOT_128] CANCEL		STRT_1DTEA	(P)	
+GEN2_POSTAMBLE				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	
?OTHERWISE CANCEL TD			F	

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Test Step Dynamic Behaviour				
Reference:PACKET/ASSIGN_DCE Identifier:ASSIGN_DCE (TYPE : INTEGER) Objective:Assign a value to the test case variables LC, LCGN, LCN based on the requested Logical Channel TYPE. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
(LC := NULL) [TYPE = NO_LC] [LCI_UNDER_TEST <> NULL] +ASSIGNMENT (LCI_UNDER_TEST) [TYPE = TVC] +ASSIGNMENT (LTC) [TYPE = PVC] +ASSIGNMENT (LPV) [TYPE = IVC] +ASSIGNMENT (LIC) [TYPE = UVC] +ASSIGNMENT (LUC) [TYPE = ANY_VC] [LIC <> NULL] +ASSIGNMENT (LIC) [LTC <> NULL] +ASSIGNMENT (LTC) [LOC <> NULL] +ASSIGNMENT (LOC) [LPV <> NULL] +ASSIGNMENT (LPV) [LC = NULL] [TYPE = TVC_OR_IVC] [LIC <> NULL]			F	

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Behaviour Description	Label	Constraints Reference	V	Comments
+ASSIGNMENT (LIC) [LTC <> NULL] +ASSIGNMENT (LTC) [LC = NULL]			F	
[TYPE = SVC] [LIC <> NULL] +ASSIGNMENT (LIC) [LTC <> NULL] +ASSIGNMENT (LTC) [LC = NULL]			F	
[LC = NULL]			F	
ASSIGNMENT (LOGICAL_CHANNEL : INTEGER) (LCGN := GET_LCGN (LOGICAL_CHANNEL)) (LCN := GET_LCN (LOGICAL_CHANNEL)) (LC := LOGICAL_CHANNEL)				

Extended Comments:

NOTE: The return parameter is set to a value for the Logical Channel Number which will be used by the calling test case. The assignment of LCN depends on the ability of the IUT to support the requested channel TYPE. For example, if the test requires an LCN for call setup either an SVC or IVC channel is assigned, depending on which one is specified in the PICS.

NOTE: All LCN ranges are made from the IUT perspective. As an example all LCNs which are configured as Incoming Only may be used by the Tester to transmit Call Requests to the IUT. The IUT may only received Incoming Calls on such a Logical Channel. The assignment of logical channels is as if the Tester was acting as a DCE.

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Test Step Dynamic Behaviour				
Reference:PACKET/ASSIGN_DTE Identifier:ASSIGN_DTE (TYPE : INTEGER) Objective:Assign a value to the test case variables LC, LCGN, LCN based on the requested Logical Channel TYPE. Assignment is done as if the tester were acting as a DTE. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
(LC := NULL) [TYPE = NO_LC] [TYPE = TVC] +ASSIGNMENT (HTC) [TYPE = PVC] +ASSIGNMENT (HPV) [TYPE = OVC] +ASSIGNMENT (HOC) [TYPE = UVC] +ASSIGNMENT (LUC) [TYPE = ANY_VC] [HOC <> NULL] +ASSIGNMENT (HOC) [HTC <> NULL] +ASSIGNMENT (HTC) [HIC <> NULL] +ASSIGNMENT (HIC) [HPV <> NULL] +ASSIGNMENT (HPV) [LC = NULL] [TYPE = TVC_OR_OVC] [HOC <> NULL] +ASSIGNMENT (HOC)			F	

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Behaviour Description	Label	Constraints Reference	V	Comments
[HTC <> NULL] +ASSIGNMENT (HTC) [LC = NULL] [TYPE = SVC] [HOC <> NULL] +ASSIGNMENT (HOC) [HTC <> NULL] +ASSIGNMENT (HTC) [LC = NULL] [LC = NULL] ASSIGNMENT (LOGICAL_CHANNEL : INTEGER) (LCGN := GET_LCGN (LOGICAL_CHANNEL)) (LCN := GET_LCN (LOGICAL_CHANNEL)) (LC := LOGICAL_CHANNEL)			F F F	
Extended Comments:				

Test Step Dynamic Behaviour				
Reference:PACKET/CLR_UNEXPECTED Identifier:CLR_UNEXPECTED Objective:Handle an unexpected Clear packet Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
?CLEAR CANCEL !CLEARC		CLR_1(LCI) CLRC_0(LCI)	I	

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Test Step Dynamic Behaviour				
Reference:PACKET/D_STATE_CLR Identifier:D_STATE_CLR Objective:When a Clear is received from an IUT in a D state (D1, D2, D3, I1, I2, J1, J2, F1, F2) the verification step must use R1_POSTAMBLE. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
!CLEARC +R1_POSTAMBLE		CLRC_0(LCI)		
Extended Comments: 1) a Clear is not a valid packet on a PVC				

Test Step Dynamic Behaviour				
Reference:PACKET/D_STATE_RES Identifier:D_STATE_RES Objective:When a Restart is received from an IUT in a D state (D1, D2, D3, I1, I2, J1, J2, F1, F2) the verification step uses R1_POSTAMBLE if the Logical Channel is a VC or D1_POSTAMBLE if the Logical Channel is a PVC. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
!RESTARTC [(LC >= LPV) AND (LC <= HPV)] +D1_POSTAMBLE [LC > HPV] +R1_POSTAMBLE		STRTC		

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Test Step Dynamic Behaviour				
Reference:PACKET/D1_UNEXPECTED Identifier:D1_UNEXPECTED Objective:Handle any acceptable but unexpected packets received from the IUT while in state D1, (Reset and Reject excluded). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
?DATA PR_VERIFY PR_UPDATE PT_UPDATE1 # ?RR PT_UPDATE2 ?RNR PT_UPDATE3 +RX_INTERRUPT		DAT_1A(LCI, PR) RR_1(LCI) RNR_1(LCI)		1
Extended Comments:1) unexpected but valid packet				

Test Step Dynamic Behaviour				
Reference:PACKET/D1A_UNEXPECTED Identifier:D1A_UNEXPECTED Objective:Handle any acceptable but unexpected packets received from the IUT while in Data Transfer (D1). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
?DATA PR_VERIFY PR_UPDATE PT_UPDATE1 # ?RR PT_UPDATE2 ?RNR PT_UPDATE3 ?REJ [REJ_SUPP] PT_UPDATE4 ?RESET +RX_INTERRUPT		DAT_1A(LCI, PR) RR_1(LCI) RNR_1(LCI) REJ_1A(LCI) RST_1(LCI)		1
Extended Comments: 1) verify the P(S) contained in the Data packet is equal to the next expected packet by the Tester. Verify the P(R) contained in the received Data packet acknowledges only packets that have been previously transmitted. Update the Testers' next expected packet counter PR.				

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Test Step Dynamic Behaviour				
Reference:PACKET/D1B_UNEXPECTED Identifier:D1B_UNEXPECTED Objective:Handle any acceptable but unexpected packets received from the IUT while in Data Transfer (D1), (Interrupt excluded) Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
?RR ?DATA PR_VERIFY PR_UPDATE PT_UPDATE1 # ?RNR ?REJ [REJ_SUPP]		RR_1(LCI) DAT_1A(LCI, PR) RNR_1(LCI) REJ_1A(LCI)		1
Extended Comments: 1) verify the P(S) contained in the Data packet is equal to the next expected packet by the Tester. Verify the P(R) contained in the received Data packet acknowledges only packets that have been previously transmitted. Update the Testers next expected packet counter PR, and the trailing window edge counter PT				

Test Step Dynamic Behaviour				
Reference:PACKET/D1C_UNEXPECTED Identifier:D1C_UNEXPECTED Objective:Handle any acceptable but unexpected packets received while the IUT is in Data Transfer (D1), (Reset excluded). Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
?DATA PR_VERIFY PR_UPDATE PT_UPDATE1 # ?RR PT_UPDATE2 ?RNR PT_UPDATE3 ?REJ [REJ_SUPP] PT_UPDATE4 +RX_INTERRUPT		DAT_1A(LCI, PR) RR_1(LCI) RNR_1(LCI) REJ_1A(LCI)		1
Extended Comments: 1) verify the P(S) contained in the Data packet is equal to the next expected packet by the Tester. Verify the P(R) contained in the received Data packet acknowledges only packets that have been previouly transmitted. Update the Testers next expected packet counter PR.				

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Test Step Dynamic Behaviour

Reference:PACKET/D1_POSTAMBLE
Identifier:D1_POSTAMBLE
Objective:Verify the IUT is in state D1
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
!RESET START TD		RST_0(LCI)		
?RESETC CANCEL, START TS	D1POL1	RSTC_1(LCI)		
?TIMEOUT TS				pause 2
?RESET CANCEL, START TS		RST_1(LCI)		3
?TIMEOUT TS				pause
?CLEAR [CLR_ON_ERR_R] [LC <> LPV] CANCEL		CLR_1(LCI)		
!CLEARC START TC		CLRC_0(LCI)		
?TIMEOUT TC				
?RESTART [RST_ON_ERR_R_PVC]		STRT_1DTEA		
!RESTARTC START TR		STRTC		
?TIMEOUT TR				
+D1C_UNEXPECTED				1
GOTO D1POL1				
+CLR_UNEXPECTED				
+RSTRT_UNEXPECTED				
?TIMEOUT TD			F	no response
?OTHERWISE CANCEL			F	

Extended Comments:

1) unexpected but valid packet.

2) if the IUT responds with RESET or RESETC it will remain in state D1

3) reset collision

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Test Step Dynamic Behaviour				
Reference:PACKET/D1_PVC_PREAMBLE Identifier:D1_PVC_PREAMBLE Objective:Put the IUT into state D1, only used for PVC logical channels. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+ASSIGN_DCE (PVC) [NOT FIRST_TEST] !RESET START TD ?RESETC CANCEL +SUBTREE ?RESET CANCEL +SUBTREE ?RESTART [RST_ON_ERR_R_PVC] CANCEL !RESTARTC START TR ?TIMEOUT TR ?OTHERWISE GOTO DPVPR2 ?TIMEOUT TD +INITDTE ?OTHERWISE GOTO DPVPR1 [FIRST_TEST] +INITDTE (FIRST_TEST := FALSE) SUBTREE START TS ?TIMEOUT TS ?OTHERWISE GOTO DPVPR3	 DPVPR1 DPVPR2 DPVPR3	 RST_0(LCI) RSTC_1(LCI) RST_1(LCI) STRT_1DTEA STRTC	

Test Step Dynamic Behaviour				
Reference:PACKET/D2_POSTAMBLE Identifier:D2_POSTAMBLE Objective: Verify the IUT is in state D2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
!RESETC START TD ?TIMEOUT TD +D1C_UNEXPECTED GOTO D2POL1 +RSET_UNEXPECTED +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?OTHERWISE CANCEL	D2POL1	RSTC_0(LCI)	 F	

Test Step Dynamic Behaviour				
Reference:PACKET/D2_PREAMBLE Identifier:D2_PREAMBLE Objective:Put the IUT into state D2 DTE Reset Request. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
!DATA START TD ?RESET CANCEL +D1C_UNEXPECTED GOTO D2PRL1 +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL	D2PRL1	D_PR7(LCI) RST_1D2(LCI)	 F F	1 2
Extended Comments: 1) Data packet with P(R)=7 P(S)=0 2) Diagnostic code is '02'H: invalid P(R) NOTE This subtree assumes the IUT is in state D1 Flow Control Ready when attached.				

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Test Step Dynamic Behaviour				
Reference:PACKET/D3_UNEXPECTED Identifier:D3_UNEXPECTED Objective:Handles any unexpected responses from the IUT immediately after the IUT has been put into state D3. State D3 DXE Reset Request is a transient state. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
?RESET CANCEL ?CLEAR CANCEL !CLEARC ?RESTART CANCEL !RESTARTC ?RESETC CANCEL ?OTHERWISE CANCEL		RST_1(LCI) CLR_1(LCI) CLRC_0(LCI) STRT_1DTEA STRTC RSTC_1(LCI)	I I I F F	 1
Extended Comments: 1) Receipt of a Reset Confirm results in a FAIL verdict since the IUT did not remain in state D3 for the specified minumum time.				

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Test Step Dynamic Behaviour				
Reference:PACKET/EXCH_DAT_EMPTY Identifier:EXCH_DAT_EMPTY (COUNT : INTEGER) Objective:Send the IUT the sequence of Data packets defined in PIXIT question 2.14 in order to test for the handling of an empty Data packet. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[IUT_TX AND IUT_RX] [FIRST_DATA_FROM_IUT] +IUT_TX_DATA +TX_DATA_EMPTY (COUNT) +RX_DATA (COUNT := COUNT + 1) [NOT FIRST_DATA_FROM_IUT] +TX_DATA_EMPTY (COUNT) +RX_DATA +IUT_TX_DATA (COUNT := COUNT + 1) [IUT_RX] +TX_DATA_EMPTY (COUNT) +RX_DATA (COUNT := COUNT + 1)				

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Test Step Dynamic Behaviour				
Reference:PACKET/EXCH_DAT Identifier:EXCH_DAT (COUNT : INTEGER) Objective:If the IUT can receive and transmit data then send one data packet to the IUT and request the IUT to send one data packet. If the IUT is a send only IUT then request the IUT to send one data packet. If the IUT is a receive only IUT then send the IUT one data packet. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[IUT_TX AND IUT_RX] [FIRST_DATA_FROM_IUT] +IUT_TX_DATA +TX_DATA (COUNT) +RX_DATA (COUNT := COUNT + 1) [NOT FIRST_DATA_FROM_IUT] +TX_DATA (COUNT) +RX_DATA +IUT_TX_DATA (COUNT := COUNT + 1) [IUT_TX] +IUT_TX_DATA (COUNT := COUNT + 1) [IUT_RX] +TX_DATA (COUNT) (COUNT := COUNT + 1)				

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Test Step Dynamic Behaviour				
Reference:PACKET/EXCH_DAT_MBIT Identifier:EXCH_DAT_MBIT (COUNT : INTEGER) Objective:Send the IUT the sequence of Data packets defined in PIXIT question 2.15 in order to test for support of the M-bit. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[IUT_TX AND IUT_RX] [FIRST_DATA_FROM_IUT] +IUT_TX_DATA +TX_DATA_MBIT (COUNT) +RX_DATA (COUNT := COUNT + 1) [NOT FIRST_DATA_FROM_IUT] +TX_DATA_MBIT (COUNT) +RX_DATA +IUT_TX_DATA (COUNT := COUNT + 1) [IUT_RX] +TX_DATA_MBIT (COUNT) +RX_DATA (COUNT := COUNT + 1)				

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Test Step Dynamic Behaviour				
Reference:PACKET/EXCH_DAT_NOACK Identifier:EXCH_DAT_NOACK (COUNT : INTEGER) Objective:If the IUT can receive and transmit data then send one data packet to the IUT and request the IUT to send one data packet. If the IUT is a send only IUT then request the IUT to send one data packet. Do not acknowledge receipt of Data packets from the IUT. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[IUT_TX AND IUT_RX] [FIRST_DATA_FROM_IUT] +IUT_TX_DATA +TX_DATA_NOACK (COUNT) +RX_DATA (COUNT := COUNT + 1) [NOT FIRST_DATA_FROM_IUT] +TX_DATA_NOACK (COUNT) +RX_DATA +IUT_TX_DATA (COUNT := COUNT + 1) [IUT_TX] +IUT_TX_DATA (COUNT := COUNT + 1)				

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Test Step Dynamic Behaviour				
Reference:PACKET/EXCH_DAT_QBIT Identifier:EXCH_DAT_QBIT (COUNT : INTEGER) Objective:Send the IUT the sequence of Data packets defined in PIXIT question 2.12 in order to test for correct error handling of a changing Q-bit. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[IUT_TX AND IUT_RX] [FIRST_DATA_FROM_IUT] +IUT_TX_DATA +TX_DATA_QBIT (COUNT) +RX_DATA (COUNT := COUNT + 1) [NOT FIRST_DATA_FROM_IUT] +TX_DATA_QBIT (COUNT) +RX_DATA +IUT_TX_DATA (COUNT := COUNT +1) [IUT_RX] +TX_DATA_QBIT (COUNT) +RX_DATA (COUNT := COUNT + 1)				1 2
Extended Comments: 1) IUT is capable of receiving and sending Data packets 2) IUT can only received Data packets				

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Test Step Dynamic Behaviour				
Reference:PACKET/EXCH_DAT_QBIT_A Identifier:EXCH_DAT_QBIT_A (COUNT : INTEGER) Objective:Send the IUT the sequence of Data packets defined in PIXIT question 2.13 in order to test for support of the Q-bit. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[IUT_TX AND IUT_RX] [FIRST_DATA_FROM_IUT] +IUT_TX_DATA +TX_DATA_QBIT_A (COUNT) +RX_DATA (COUNT := COUNT + 1) [NOT FIRST_DATA_FROM_IUT] +TX_DATA_QBIT_A (COUNT) +RX_DATA +IUT_TX_DATA (COUNT := COUNT + 1) [IUT_RX] +TX_DATA_QBIT_A (COUNT) +RX_DATA (COUNT := COUNT + 1)				

Test Step Dynamic Behaviour				
Reference:PACKET/GEN1_POSTAMBLE Identifier:GEN1_POSTAMBLE Objective:General postamble used after receipt of a CLEAR from the IUT. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
!CLEARC +R1_POSTAMBLE		CLRC_0(LCI)		
Extended Comments: NOTE: Since this sequence occurs frequently throughout the test suite it has been made into a subtree to abbreviate the test cases.				

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Test Step Dynamic Behaviour				
Reference:PACKET/GEN2_POSTAMBLE Identifier:GEN2_POSTAMBLE Objective:General postamble used after the receipt of a RESTART from the IUT. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
!RESTARTC +R1_POSTAMBLE		STRTC		
Extended Comments: NOTE: Since this sequence occurs frequently throughout the test suite it has been made into a subtree to abbreviate the test cases.				

Test Step Dynamic Behaviour				
Reference:PACKET/INITDTE Identifier:INITDTE Objective:Put the IUT into state R1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
!RESTART START TD ?RESTARTC CANCEL START TR ?TIMEOUT TR ?RESTART CANCEL START TR ?TIMEOUT TR ?TIMEOUT TD ?OTHERWISE CANCEL		STRT_DCE STRTC_1 STRT_1DTEA 	 F F	 2 1
Extended Comments: 1) Unable to initialize the IUT. No answer from IUT. 2) A Restart Collision NOTE: Based on the actions of the underlying layer other initialization sequences may be necessary to ensure that the IUT is in state R1.				

Test Step Dynamic Behaviour				
Reference:PACKET/IUT_TX_DATA Identifier:IUT_TX_DATA Objective:Request the IUT to transmit one Data packet. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<IUT!DATA> +RX_DATA		DAT_1(LCI)		

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Test Step Dynamic Behaviour				
Reference:PACKET/J2_UNEXPECTED Identifier:J2_UNEXPECTED Objective:Handle unexpected packets from the IUT while in state J2. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+CLR_UNEXPECTED +RSTRT_UNEXPECTED ?INTC CANCEL ?OTHERWISE CANCEL		INTC_1(LCI)	F F	1
Extended Comments: 1) Receipt of an Interrupt Confirmation results in a FAIL verdict since the IUT did not remain in state J2 for the specified minumum time.				

Test Step Dynamic Behaviour				
Reference:PACKET/LC_VERIFY Identifier:LC_VERIFY (LC : INTEGER) Objective:Verify that the received logical channel is not already in use. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
(COUNT1 := 1) [LCI_ACTIVE{COUNT1} = LC] [LCI_ACTIVE{COUNT1} = 0] (LCI_ACTIVE{COUNT1} := LC) (COUNT1 := COUNT1 + 1) GOTO LCVR1	LCVR1		F	1 2 3 4
Extended Comments: 1) check if array position COUNT1 has a value assigned that is equal to LC 2) if array position COUNT1 has a value 0 then LC is not in use 3) assign LC to array position COUNT1, return to test case 4) if array position COUNT1 is not 0 and is not equal to LC then increment COUNT1 and check next position NOTE: Used in Multiple Logical Channel tests PLG 27. NOTE: the syntax for arrays used here is not defined in DIS 9646-3. The syntax is array_name { array_position }. The array LCI_ACTIVE is defined in the Test Case Variables table and all entries are initialized to zero.				

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Test Step Dynamic Behaviour				
Reference:PACKET/P1_INOPP Identifier:P1_INOPP Objective:Handles the response to INOPPORTUNE packets sent to the IUT while in state P1. Used in test cases 4_301 through 4_310 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR DIAG16 OR #DIAG20)) OR CAUSE_EQ_128] CANCEL !CLEARC ?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG16 OR DIAG20)) OR CAUSE_EQ_128] #CANCEL !RESTARTC		CLR_1(LCI) CLRC_0(LCI) STRT_1DTEA STRTC		

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Test Step Dynamic Behaviour				
Reference:PACKET/P1_PREAMBLE Identifier:P1_PREAMBLE (TYPE : INTEGER) Objective:Put the IUT in state P1 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
+ASSIGN_DCE (TYPE) [NOT FIRST_TEST] !CLEAR START TD ?CLEARC CANCEL +SUBTREE ?CLEAR CANCEL +SUBTREE ?RESTART CANCEL !RESTARTC START TR ?TIMEOUT TR ?OTHERWISE GOTO P1PRL2 ?TIMEOUT TD +INITDTE ?OTHERWISE GOTO P1PRL1 [FIRST_TEST] +INITDTE (FIRST_TEST := FALSE) SUBTREE START TC ?TIMEOUT TC ?OTHERWISE GOTO P1PRL3	 P1PRL1 P1PRL2 P1PRL3	 CLR_0(LCI) CLRC_1(LCI) CLR_1(LCI) STRT_1DTEA STRTC		

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Test Step Dynamic Behaviour				
Reference:PACKET/P2_INOPP Identifier:P2_INOPP Objective:Handles the response to inopportune packets sent to the IUT while in state P2. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR DIAG16 OR #DIAG21)) OR CAUSE_EQ_128] CANCEL !CLEARC ?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG16 OR DIAG21)) OR CAUSE_EQ_128] #CANCEL !RESTARTC		CLR_1(LCI) CLRC_0(LCI) STRT_1DTEA STRTC		
Extended Comments: NOTE: Used in test cases 5_301 through 5_308.				

Test Step Dynamic Behaviour				
Reference:PACKET/P2_POSTAMBLE Identifier:P2_POSTAMBLE Objective:Verify the IUT is in state P2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
!ACCEPT START TD ?TIMEOUT TD +D1A_UNEXPECTED GOTO P2POL1 +RSTRT_UNEXPECTED ?OTHERWISE CANCEL	P2POL1	ANSR_0(LCI)	F	

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Test Step Dynamic Behaviour				
Reference:PACKET/P2_PREAMBLE Identifier:P2_PREAMBLE Objective:Put the specified channel in DTE Call Request state P2 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<IUT!CALL> START TD		CALL_1		1
?CALL (LCGN:=CALL.LCGN,LCN:=CALL.LCN) #CANCEL		CALL_1		
(LC := GET_LCI (LCGN,LCN))				2
[LC = 0]			F	3
[(LC >= LTC) AND (LC <= HTC)]				
[(LC >= LOC) AND (LC <= HOC)]				
[(LC < LTC) OR (LC > HOC)]			F	
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
Extended Comments: 1) the IUT sends a Call Request 2) upon receipt of the Call Request from the IUT, the IUT is assumed to be in state P2 (DTE Call Request), LC is assigned the logical channel contained in the received Call Request 3) verify the logical channel is within the configured range				

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Test Step Dynamic Behaviour				
Reference:PACKET/P3_UNEXPECTED Identifier:P3_UNEXPECTED Objective:Handle unexpected packets received from the IUT while in state P3. Cancel all running timers. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
?RESTART CANCEL !RESTARTC ?ACCEPT CANCEL ?OTHERWISE CANCEL		STRT_1DTEA STRTC ANSR_1(LCI)	 I F F	 1
Extended Comments: 1) Receipt of an ACCEPT from the IUT results in a FAIL verdict since the IUT did not remain in state P3 for the specified minimum time.				

Test Step Dynamic Behaviour				
Reference:PACKET/P4_POSTAMBLE Identifier:P4_POSTAMBLE Objective:Verify the IUT is in state P4. P4_POSTAMBLE leaves the IUT in state R1. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
!CLEAR START TD ?CLEARC CANCEL +R1_POSTAMBLE ?CLEAR CANCEL +R1_POSTAMBLE ?RESTART [RST_ON_ERR_C] CANCEL +GEN2_POSTAMBLE +D1A_UNEXPECTED GOTO P4POL1 +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL	P4POL1	CLR_0(LCI) CLRC_1(LCI) CLR_1(LCI) STRT_1DTEA	 F F	

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Test Step Dynamic Behaviour				
Reference:PACKET/P4D1_PREAMBLE Identifier:P4D1_PREAMBLE Objective:Put the Logical Channel in to the Data Transfer state P4 (D1) Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[(LC=LTC) OR (LC=LIC)]				
!CLEAR START TD ?CLEARC CANCEL +SUBTREE1		CLR_0(LCI) CLRC_1(LCI)		
?CLEAR CANCEL +SUBTREE1		CLR_1(LCI)		
?RESTART [RST_ON_ERR_C] CANCEL !RESTARTC +SUBTREE1		STRT_1DTEA STRTC		
?TIMEOUT TD ?OTHERWISE CANCEL			F F	
[LC = LOC]				
!CLEAR START TD ?CLEARC CANCEL +SUBTREE2		CLR_0(LCI) CLRC_1(LCI)		
?CLEAR CANCEL +SUBTREE2		CLR_1(LCI)		
?RESTART [RST_ON_ERR_C] CANCEL !RESTARTC +SUBTREE2		STRT_1DTEA STRTC		
?TIMEOUT TD ?OTHERWISE CANCEL			F F	
[LC = LPV]				
!RESET START TD ?RESETC CANCEL ?RESET CANCEL ?RESTART [RST_ON_ERR_R] CANCEL !RESTARTC	P4D1PR	RST_0(LCI) RSTC_1(LCI) RST_1(LCI) STRT_1DTEA STRTC		

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Behaviour Description	Label	Constraints Reference	V	Comments
+D1_UNEXPECTED GOTO P4D1PR ?TIMEOUT TD ?OTHERWISE CANCEL			F F	
SUBTREE1				
[D_BIT_SUPP = TRUE] !CALL START TD ?ACCEPT (TEMP := D) CANCEL		CALL_0D(LCI) ANSR_1D(LCI)		2
[TEMP = '1'B] (D_BIT_IN_USE := TRUE)				
[TEMP = '0'B]				
?TIMEOUT TD ?OTHERWISE CANCEL			F F	
[D_BIT_SUPP = FALSE]				
!CALL START TD ?ACCEPT (TEMP := D) CANCEL		CALL_0(LCI) ANSR_1D(LCI)		
[TEMP = '1'B] (D_BIT_IN_USE := TRUE)				
[TEMP = '0'B]				
?TIMEOUT TD ?OTHERWISE CANCEL			F F	
SUBTREE2				
<IUT!CALL> START TD ?CALL (LCGN:=CALL.LCGN,LCN:=CALL.LCN,TEMP #:=D) CANCEL		CALL_1 CALL_1		
(LC := GET_LCI(LCGN,LCN)) [((LC >= LTC) AND (LC <= HTC)) OR (#(LC >= LOC) AND (LC <= HOC))] [TEMP = '1'B]				

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Behaviour Description	Label	Constraints Reference	V	Comments
!ACCEPT (D_BIT_IN_USE:=TRUE)		ANSR_0D(LCI)		2
[TEMP = '0'B]				
!ACCEPT		ANSR_0(LCI)		
[(LC < LTC) OR (LC > HOC)]			F	1
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	

Extended Comments:

1) the logical channel is not within the configured range as specified in the PIXIT question 1.2

2) IUT is in state P4

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Test Step Dynamic Behaviour

Reference:PACKET/P4D1_PREAMBLE_A
Identifier:P4D1_PREAMBLE_A
Objective:Put the Logical Channel in to the Data Transfer state P4 (D1), but do not negotiate use of Delivery Confirmation
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
[(LC=LTC) OR (LC=LIC)]				
!CLEAR START TD		CLR_0(LCI)		
?CLEARC CANCEL		CLRC_1(LCI)		
+SUBTREE1				
?CLEAR CANCEL		CLR_1(LCI)		
+SUBTREE1				
?RESTART [RST_ON_ERR_C] CANCEL		STRT_1DTEA		
!RESTARTC		STRTC		
+SUBTREE1				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
[LC = LOC]				
!CLEAR START TD		CLR_0(LCI)		
?CLEARC CANCEL		CLRC_1(LCI)		
+SUBTREE2				
?CLEAR CANCEL		CLR_1(LCI)		
+SUBTREE2				
?RESTART [RST_ON_ERR_C] CANCEL		STRT_1DTEA		
!RESTARTC		STRTC		
+SUBTREE2				
?TIMEOUT TD			F	
?OTHERWISE CANCEL			F	
[LC = LPV]				
!RESET START TD		RST_0(LCI)		
?RESETC CANCEL	P4D1PR	RSTC_1(LCI)		
#	A			
?RESET CANCEL		RST_1(LCI)		

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Behaviour Description	Label	Constraints Reference	V	Comments
?RESTART [RST_ON_ERR_R] CANCEL !RESTARTC +D1_UNEXPECTED GOTO P4D1PRA ?TIMEOUT TD ?OTHERWISE CANCEL		STRT_1DTEA STRTC	 F F	
SUBTREE1				
!CALL START TD ?ACCEPT (TEMP := D) CANCEL [TEMP = '1'B] (D_BIT_IN_USE := TRUE) [TEMP = '0'B] ?TIMEOUT TD ?OTHERWISE CANCEL		CALL_0(LCI) ANSR_1D(LCI)	 F F	
SUBTREE2				
<IUT!CALL> START TD ?CALL (LCGN:=CALL.LCGN,LCN:=CALL.LCN) #CANCEL (LC := GET_LCI(LCGN,LCN)) [((LC>=LTC) AND (LC<=HTC)) OR (#(LC>=LOC) AND (LC<= HOC))] !ACCEPT [(LC < LTC) OR (LC > HOC)] ?TIMEOUT TD ?OTHERWISE CANCEL		CALL_1 CALL_1 ANSR_0(LCI) 	 F F F	

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Test Step Dynamic Behaviour				
Reference:PACKET/P5_INOPP Identifier:P5_INOPP Objective:Handles the response to inopportune packets sent to the IUT while in state P5. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
?CLEAR [(CAUSE_EQ_0 AND (DIAG0 OR DIAG16 OR #DIAG24)) OR CAUSE_EQ_128] CANCEL !CLEARC ?RESTART [RST_ON_ERR_C] [(CAUSE_EQ_0 AND #(DIAG0 OR DIAG16 OR DIAG24)) OR CAUSE_EQ_128] #CANCEL !RESTARTC		CLR_1(LCI) CLRC_0(LCI) STRT_1DTEA STRTC		1
Extended Comments: 1) no information, packet type invalid, invalid for P5 NOTE:Used in test cases P8_301 through P8_310.				

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Test Step Dynamic Behaviour				
Reference:PACKET/P5_PREAMBLE Identifier:P5_PREAMBLE Objective:Put the IUT in the Call Collision state P5 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
<IUT!CALL> START TD ?CALL (LCGN:=CALL.LCGN,LCN:=CALL.LCN) #CANCEL (LC := GET_LCI(LCGN,LCN)) [LC = 0] [((LC>=LTC) AND (LC<=HTC)) OR (#(LC>=LOC) AND (LC<=HOC))] !CALL START TD_RESP ?TIMEOUT TD_RESP +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?OTHERWISE CANCEL [(LC < LTC) OR (LC > HOC)] +CLR_UNEXPECTED +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL		CALL_1 CALL_1 CALL_0(LCI) 	 F F F F F F	 1 2
Extended Comments: 1) no response, assume the IUT is now in state P5, continue 2) LCN out of range				

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Test Step Dynamic Behaviour				
Reference:PACKET/P6_POSTAMBLE Identifier:P6_POSTAMBLE Objective:Verify the IUT is in state P6 after the test body has successfully completed Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
!CLEARC START TD ?TIMEOUT TD ?CLEAR GOTO P6POL1 ?OTHERWISE CANCEL	P6POL1	CLRC_0(LCI) CLR_1(LCI)	 F	 1 2
Extended Comments: 1) no response is okay 2) CLEAR may arrive due to the expiry of the T21 timer in the IUT				

Test Step Dynamic Behaviour				
Reference:PACKET/P6_PREAMBLE Identifier:P6_PREAMBLE Objective:Put the channel (LCI) in state P6 DTE Clear Request Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
!CLEARC START TD ?CLEAR CANCEL +RSTRT_UNEXPECTED ?TIMEOUT TD ?OTHERWISE CANCEL		CLRC_0(LCI) CLR_1(LCI)	 F F	 1
Extended Comments: 1) IUT is now in state P6 DTE Clear Request				

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Test Step Dynamic Behaviour				
Reference:PACKET/P7_UNEXPECTED Identifier:P7_UNEXPECTED Objective:Handles any unexpected responses from the IUT immediately after the IUT has been put in state P7. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
?CLEAR CANCEL		CLR_1(LCI)	I	
?RESTART CANCEL !RESTARTC		STRT_1DTEA STRTC	I	
?CLEARC CANCEL		CLRC_1(LCI)	F	
?OTHERWISE CANCEL			F	
Extended Comments: 1) Receipt of a Clear Confirmation results in a FAIL verdict since the IUT did not remain in state P7 for the specified minumum time.				

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Test Step Dynamic Behaviour				
Reference:PACKET/R1_POSTAMBLE Identifier:R1_POSTAMBLE Objective:Verify the IUT is in state R1 for VCs and D1 for PVCs. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[(LC=LTC) OR (LC=LIC) OR (LC=LOC)] !DATA START TD ?CLEAR CANCEL !CLEARC START TC ?TIMEOUT TC ?OTHERWISE GOTO R1POL1 ?RESTART [RST_ON_ERR_C] CANCEL !RESTARTC START TR ?TIMEOUT TR ?OTHERWISE GOTO R1POL2 ?TIMEOUT TD ?OTHERWISE CANCEL [LC = LPV] !RESET START TD ?RESETC CANCEL START TS ?TIMEOUT TS ?OTHERWISE GOTO R1POL3 ?RESET CANCEL START TS ?TIMEOUT TS ?OTHERWISE GOTO R1POL4 ?RESTART [RST_ON_ERR_R] CANCEL !RESTARTC START TR	 R1POL1 R1POL2 R1POL6 R1POL3 R1POL4	 D_ONE(LCI) CLR_1(LCI) CLRC_0(LCI) STRT_1DTEA STRTC RST_0(LCI) RSTC_1(LCI) RST_1(LCI) STRT_1DTEA STRTC	 F F

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Behaviour Description	Label	Constraints Reference	V	Comments
?TIMEOUT TR ?OTHERWISE GOTO R1POL5	R1POL5			
+D1A_UNEXPECTED GOTO R1POL6				
?TIMEOUT TD ?OTHERWISE CANCEL			F F	

Test Step Dynamic Behaviour				
Reference:PACKET/R1_PREAMBLE Identifier:R1_PREAMBLE (TYPE : INTEGER) Objective:Put the IUT into state R1 Ready and assign a logical channel to the Test Case variable LC based on the type of logical channel requested in the "type" parameter. Default:				
Behaviour Description	**Label**	**Constraints Reference**	**V**	**Comments**
(FIRST_TEST := FALSE) +INITDTE +ASSIGN_DCE (TYPE)				1
Extended Comments: 1) The subtree INITDTE is executed once at the start of a series of test cases, or when a test case is to be executed in isolation. INITDTE shall also be executed at the start of a test case where the previous test case resulted in a fail verdict. INITDTE shall be executed with every test case contained in Packet Level Groups 1, 2, 3 and 26.				

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Test Step Dynamic Behaviour				
Reference:PACKET/R2_POSTAMBLE Identifier:R2_POSTAMBLE Objective:For test cases that leave the IUT in state R2 after the test body has completed R2_POSTAMBLE, will move the IUT to the stable state R1 Default:				
Behaviour Description	**Label**	**Constraints Reference**	**V**	**Comments**
!RESTARTC START TD ?TIMEOUT TD		STRTC		
?RESTART !RESTARTC		STRT_1DTEA STRTC	I	
?OTHERWISE CANCEL			F	

Test Step Dynamic Behaviour				
Reference:PACKET/R2_PREAMBLE Identifier:R2_PREAMBLE Objective:Put the IUT into state R2 Default:				
Behaviour Description	**Label**	**Constraints Reference**	**V**	**Comments**
!RESTARTC START TD ?RESTART CANCEL ?TIMEOUT TD ?OTHERWISE CANCEL		STRTC STRT_1DTEA	 F F	continue

Test Step Dynamic Behaviour				
Reference:PACKET/R3_UNEXPECTED Identifier:R3_UNEXPECTED Objective:Handle unexpected packets from the IUT received while the IUT is in state R3 (DXE Restart Request). Default:				
Behaviour Description	**Label**	**Constraints Reference**	**V**	**Comments**
?RESTART CANCEL		STRT_1DTEA	I	
?RESTARTC CANCEL		STRTC_1	F	
?OTHERWISE CANCEL			F	

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Test Step Dynamic Behaviour				
Reference:PACKET/RSET_UNEXPECTED Identifier:RSET_UNEXPECTED Objective:Handle an unexpected Reset packet Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
?RESET !RESETC		RST_1(LCI) RSTC_0(LCI)	I	

Test Step Dynamic Behaviour				
Reference:PACKET/RSTRT_UNEXPECTED Identifier:RSTRT_UNEXPECTED Objective:An unexpected Restart Request will be responded to with a Restart Confirmation and the test case will give an Inconclusive verdict Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
?RESTART CANCEL !RESTARTC		STRT_1DTEA STRTC	I	

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Test Step Dynamic Behaviour

Reference:PACKET/RX_DATA
Identifier:RX_DATA
Objective:Wait for one or more Data packets to arrive from the IUT or the expiration of timer TD, discard any RR's received before the Data packet arrives
Default:

Behaviour Description	Label	Constraints Reference	V	Comments
START TD (2*TD_RESPONSE)				
?DATA PR_VERIFY PR_UPDATE PT_UPDATE1	RXDAL1	DAT_1A(LCI, PR)		2
#				
GOTO RXDAL1				
?RR PT_UPDATE2		RR_1(LCI)		2
GOTO RXDAL1				
+RX_INTERRUPT				
!INTC		INTC_0(LCI)		
GOTO RXDAL1				
?RNR PT_UPDATE3 CANCEL		RNR_1(LCI)	I	1
?REJ [REJ_SUPP] PT_UPDATE4 CANCEL		REJ_1A(LCI)	I	1
?RESET CANCEL		RST_1(LCI)		1
!RESETC		RSTC_0(LCI)	I	
+CLR_UNEXPECTED				
+RSTRT_UNEXPECTED				
?TIMEOUT TD				3
?OTHERWISE CANCEL			F	

Extended Comments:
1) unexpected but valid packets
2) verify that the IUT is acknowledging only packets transmitted
3) continue

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Test Step Dynamic Behaviour				
Reference:PACKET/RX_INTERRUPT Identifier:RX_INTERRUPT Objective:Receive an Interrupt packet of length 1 to 32 octets based on type of IUT Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
?INT		INT_A1(LCI)		
?INT [CCITT_80]		INT_A2(LCI)	F	
?INT [CCITT_80]		INT_A3(LCI)	F	
?INT [CCITT_80]		INT_A4(LCI)	F	
?INT [CCITT_80]		INT_A5(LCI)	F	
?INT [CCITT_80]		INT_A6(LCI)	F	
?INT [CCITT_80]		INT_A7(LCI)	F	
?INT [CCITT_80]		INT_A8(LCI)	F	
?INT [CCITT_80]		INT_A9(LCI)	F	
?INT [CCITT_80]		INT_A10(LCI)	F	
?INT [CCITT_80]		INT_A11(LCI)	F	
?INT [CCITT_80]		INT_A12(LCI)	F	
?INT [CCITT_80]		INT_A13(LCI)	F	
?INT [CCITT_80]		INT_A14(LCI)	F	
?INT [CCITT_80]		INT_A15(LCI)	F	
?INT [CCITT_80]		INT_A16(LCI)	F	
?INT [CCITT_80]		INT_A17(LCI)	F	
?INT [CCITT_80]		INT_A18(LCI)	F	
?INT [CCITT_80]		INT_A19(LCI)	F	

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Behaviour Description	Label	Constraints Reference	V	Comments
?INT [CCITT_80]		INT_A20(LCI)	F	
?INT [CCITT_80]		INT_A21(LCI)	F	
?INT [CCITT_80]		INT_A22(LCI)	F	
?INT [CCITT_80]		INT_A23(LCI)	F	
?INT [CCITT_80]		INT_A24(LCI)	F	
?INT [CCITT_80]		INT_A25(LCI)	F	
?INT [CCITT_80]		INT_A26(LCI)	F	
?INT [CCITT_80]		INT_A27(LCI)	F	
?INT [CCITT_80]		INT_A28(LCI)	F	
?INT [CCITT_80]		INT_A29(LCI)	F	
?INT [CCITT_80]		INT_A30(LCI)	F	
?INT [CCITT_80]		INT_A31(LCI)	F	
?INT [CCITT_80]		INT_A32(LCI)	F	

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Test Step Dynamic Behaviour				
Reference:PACKET/TX_DATA Identifier:TX_DATA (I : INTEGER) Objective:Transmit a Data packet to the IUT Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[I = 0] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		D_0(LCI)		
[I = 1] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		D_1(LCI)		
[I = 2] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		D_2(LCI)		
[I = 3] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		D_3(LCI)		
[I = 4] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		D_4(LCI)		
[I = 5] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		D_5(LCI)		
[I = 6] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		D_6(LCI)		
[I = 7] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		D_7(LCI)		
[I = 8] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		D_8(LCI)		
[I > 8] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		D_U(LCI)		

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Test Step Dynamic Behaviour				
Reference:PACKET/TX_DATA_EMPTY Identifier:TX_DATA_EMPTY (I : INTEGER) Objective:Transmit a Data packet to the IUT Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[I = 0] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		DE0(LCI)		
[I = 1] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		DE1(LCI)		
[I = 2] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		DE2(LCI)		
[I = 3] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		DE3(LCI)		
[I = 4] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		DE4(LCI)		
[I = 5] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		DE5(LCI)		
[I = 6] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		DE6(LCI)		
[I = 7] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		DE7(LCI)		
[I = 8] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		DE8(LCI)		
[I > 8] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		D_U(LCI)		

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Test Step Dynamic Behaviour				
Reference:PACKET/TX_DATA_MBIT Identifier:TX_DATA_MBIT (I : INTEGER) Objective:Transmit a Data packet to the IUT from the user supplied Data packets for testing M-bit support; PIXIT question 2.15 Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[I = 0] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		DM_0(LCI)		
[I = 1] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		DM_1(LCI)		
[I = 2] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		DM_2(LCI)		
[I = 3] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		DM_3(LCI)		
[I = 4] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		DM_4(LCI)		
[I = 5] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		DM_5(LCI)		
[I = 6] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		DM_6(LCI)		
[I = 7] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		DM_7(LCI)		
[I = 8] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		DM_8(LCI)		
[I > 8] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		D_U(LCI)		

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Test Step Dynamic Behaviour				
Reference:PACKET/TX_DATA_NOACK Identifier:TX_DATA_NOACK (I : INTEGER) Objective:Transmit a Data packet to the IUT but do not acknowledge any received data packets. Default:				
Behaviour Description	**Label**	**Constraints Reference**	**V**	**Comments**
[I = 0] !DATA (DATA.PS:=PS, DATA.PR:=0) PS_UPDATE		D_0(LCI)		
[I = 1] !DATA (DATA.PS:=PS, DATA.PR:=0) PS_UPDATE		D_1(LCI)		
[I = 2] !DATA (DATA.PS:=PS, DATA.PR:=0) PS_UPDATE		D_2(LCI)		
[I = 3] !DATA (DATA.PS:=PS, DATA.PR:=0) PS_UPDATE		D_3(LCI)		
[I = 4] !DATA (DATA.PS:=PS, DATA.PR:=0) PS_UPDATE		D_4(LCI)		
[I = 5] !DATA (DATA.PS:=PS, DATA.PR:=0) PS_UPDATE		D_5(LCI)		
[I = 6] !DATA (DATA.PS:=PS, DATA.PR:=0) PS_UPDATE		D_6(LCI)		
[I = 7] !DATA (DATA.PS:=PS, DATA.PR:=0) PS_UPDATE		D_7(LCI)		
[I = 8] !DATA (DATA.PS:=PS, DATA.PR:=0) PS_UPDATE		D_8(LCI)		
[I > 8] !DATA (DATA.PS:=PS, DATA.PR:=0) PS_UPDATE		D_U(LCI)		
Extended Comments: Used in test case P22_101				

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Test Step Dynamic Behaviour				
Reference:PACKET/TX_DATA_QBIT Identifier:TX_DATA_QBIT (I : INTEGER) Objective:Transmit a Data packet to the IUT from the user supplied Data packets for testing Q-bit error handling. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[I = 0] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		DQ_0(LCI)		
[I = 1] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		DQ_1(LCI)		
[I = 2] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		DQ_2(LCI)		
[I = 3] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		DQ_3(LCI)		
[I = 4] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		DQ_4(LCI)		
[I = 5] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		DQ_5(LCI)		
[I = 6] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		DQ_6(LCI)		
[I = 7] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		DQ_7(LCI)		
[I = 8] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		DQ_8(LCI)		
[I > 8] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		D_U(LCI)		
Extended Comments: See PIXIT 2.15				

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Test Step Dynamic Behaviour				
Reference:PACKET/TX_DATA_QBIT_A Identifier:TX_DATA_QBIT_A (I : INTEGER) Objective:Transmit a Data packet to the IUT from the user supplied Data packets for testing Q-bit support. Default:				
Behaviour Description	Label	Constraints Reference	V	Comments
[I = 0] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		DQ_0A(LCI)		
[I = 1] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		DQ_1A(LCI)		
[I = 2] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		DQ_2A(LCI)		
[I = 3] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		DQ_3A(LCI)		
[I = 4] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		DQ_4A(LCI)		
[I = 5] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		DQ_5A(LCI)		
[I = 6] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		DQ_6A(LCI)		
[I = 7] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		DQ_7A(LCI)		
[I = 8] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		DQ_8A(LCI)		
[I > 8] !DATA (DATA.PS:=PS, DATA.PR:=PR) PS_UPDATE		D_U(LCI)		
Extended Comments:See PIXIT question 2.15 .				

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8 Use of the PICS and PIXIT based abstract test selection rules

The cross reference table defines the relationship between each test case and the PICS and PIXIT items. Only the optional PICS/PIXIT items which have a relation to at least one test case are referenced in the table.The cross reference table is used in conjunction with a completed PICS and PIXIT to determine a set of test cases that will be run against an IUT. The first column of the cross reference table contains the text or an abbreviation of the text of the corresponding PICS or PIXIT item from ISO/IEC 8208/Amd. 3 or 6.11, table 2. The second column contains the number of the PICS or PIXIT item. The third column contains the status of the PICS item. The fourth column indicates if the PICS or PIXIT item is applicable for CCITT X.25 1980 (X.25 '80), CCITT X.25 1984 (X.25 '84), ISO 8208 (ISO 8208) or all DTE packet layer standards (ALL). The fifth column indicates if the PICS or PIXIT item is applicable to IUTs providing VC service (VC) or IUTs providing PVC service (PVC) or all IUTs (VC/PVC).

The relationship between a test case and an item is shown by a "-", "+", "k" or blank at the intersection of the row and column. These symbols are defined as meaning

- the test case will not be selected if an IUT supports this item. (e.g. PVC: no address or facility tests will be performed);

+ the test case will not be selected if an IUT does not support this item. (e.g. the tests of PLG 3 are not executable if the IUT does not support "State r3 observable");

k the test case will not be selected if none of the corresponding PICS and PIXIT items will be supported by the IUT. The k's which belong together are identified by the same number k(n) to ease the recognition of the relations between multiple PICS and PIXIT items;

blank no direct relationship to the PICS/PIXIT item, the test case is selected.

The contents of the cross reference table 5 is fixed.

To find the set of test cases for an IUT, first the set of applicable Packet Layer Groups must be determined based on the type of service provided by the IUT, see 8.1. Then using the corresponding cross reference table for each Packet Layer Group (see table 5) the completed PICS and PIXIT proforma is compared to the cross reference table contents following the four steps below:

1. each test which has one or more "-"s in its column will be **deselected** if the IUT **supports** one or more of the corresponding PICS and PIXIT items (rows);

2. each test which has one or more "+"s in its column will be **deselected** if the IUT **does not support** one or more of the corresponding PICS and PIXIT items (rows);

3. each of the remaining tests that has one or more "k"s in its column will be **deselected** if the IUT **does not support** at least one of the corresponding PICS and PIXIT items (rows);

4. all tests which have no character in their column will be **selected** unconditionally.

8.1 Packet layer group selection based on service

For IUTs providing only PVC service (Section 1: item Vp of ISO/IEC 8208/Amd. 3) the following list of packet layer groups are to be applied, subject to further test case selection based on the tables for these packet layer groups contained in table 5. All other packet layer groups not listed below are deselected.

Applicable PLGs for PVC service only IUTs:

PLG 1: State R1 Packet Layer Ready
PLG 2: State R2 DTE Restart Request
PLG 3: State R3 DXE Restart Request
PLG 11: State D1 Flow Control Ready
PLG 12: State D2 DTE Reset Request
PLG 13: State D3 DXE Reset Indication
PLG 14: State I1 DTE Interrupt Ready
PLG 15: State I2 DTE Interrupt Sent
PLG 16: State J1 DXE Interrupt Ready
PLG 17: State J2 DXE Interrupt Sent
PLG 18: State F1 DXE Receive Ready
PLG 19: State F2 DXE Receive Not Ready
PLG 20: State G1 DTE Receive Ready
PLG 22: Window Filling & Rotation, Remote Busy, M-bit
PLG 23: Timer Tests (excluding 23_102, and 23_105)
PLG 26: Registration Tests

For IUTs providing only VC service (Section 1: item Vs of ISO/IEC 8208/Amd. 3) or VC and PVC service all Packet Layer Groups apply, subject to further test case selection based on the tables for these packet layer groups contained in table 5.

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Table 5: PICS and PIXIT based Abstract Test Selection Rules

Packet Layer Group 1: State R1 Packet Level Ready

Description	PICS item from IS 8208/AD3 Number	Status	Applicable Standard	Type of LC	P1_206	P1_207	P1_208
	Section 1. General DTE Characteristics						
DTE/DCE (1980)	Ec/0	O.2	X.25 '80		-	-	-
DTE/DCE (1984)	Ec/4	O.2	X.25 '84		-	-	-
ISO 8208	N1 - N4		ISO 8208				
Modulo 8	M8	O.3	ALL				
Modulo 128	M128	O.3	ALL				
	Section 2. Procedures, packet types and packet formats						
On-line Fac. Reg. tx	Z4i	O	ALL	VC/PVC			
On-line Fac. Reg. rx	Z4r	O	ALL	VC/PVC			
Outgoing VCs	S1	Vs::O	ALL	VC			
Fast-Select no restriction	S1a	O	ALL	VC			
Fast-Select with restrict.	S1b	O	ALL	VC			
Incoming VCs	S2	Vs::O	ALL	VC			
Fast-Select with accept.	S2a	O	ALL	VC			
non-Fast Select cleared	S2d	O	ALL	VC			
Resetting supported tx	RSi	O	ALL	VC/PVC			
Resetting supported rx	RSr	O	ALL	VC/PVC			
ERROR-C proc. clear	W1	O	ALL	VC			
ERROR-C proc. restart	W1	O	ALL	VC			
ERROR-R proc. reset	W2s	O.8	ALL	VC			
ERROR-R proc. clear	W2s	O.8	ALL	VC			

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Packet Layer Group 1: State R1 Packet Level Ready

Description	PICS item from IS 8208/AD3 Number	Status	Applicable Standard	Type of LC	P1_206	P1_207	P1_208
	Section 2 : (Continued)						
ERROR-R proc. restart	W2s	O.8	ALL	VC			
ERROR-R proc. reset	W2p	O.9	ALL	PVC			
ERROR-R proc. restart	W2p	O.9	ALL	PVC			
Sending Interrupts	Is	O	ALL	VC/PVC			
Receiving Interrupts	Ir	O	ALL	VC/PVC			
Sending Data packets	DS1	O	ALL	VC/PVC			
Receives REJ packets	DS6	Et:O	ALL	VC/PVC			
Receiving Data Packets	DR1	O	ALL	VC/PVC			
Sends RNR packets	DR3	O	ALL	VC/PVC			
Sends REJ packets	DR6	O	ALL	VC/PVC			
	Section 3. Miscellaneous features and options						
R3 observable	O1	O	ALL	VC/PVC			
P3 observable	O2	O	ALL	VC/PVC			
P7 observable	O3	O	ALL	VC/PVC			
D3 observable	O4	O	ALL	VC/PVC			
J2 observable	O5	O	ALL	VC/PVC			

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Packet Layer Group 1: State R1 Packet Level Ready

Description	PICS item from IS 8208/AD3 Number	Status	Applicable Standard	Type of LC	P1_206	P1_207	P1_208
	Section 4. Facilities and registration-facilities						
Window size negotiation	FS1	O	ALL	VC			
Throughput Class neg	FS2	O	ALL	VC			
CUG outgoing basic	FS4b	O	ALL	VC			
Packet size negotiation	FR1	O	ALL	VC			
Window size negotiation	FR1	O	ALL	VC			
Throughput Class neg	FR2	O	ALL	VC			
CUG selection basic	FR3b	O	ALL	VC			
CUG selection extended	FR3e	O	ALL	VC			
CUG outgoing extended	FR4e	O	ALL	VC			
Bilateral CUG selection	FR5	O	ALL	VC			
Reverse Charging	FR6b	O	ALL	VC			
Transit Delay Selection	FR12	O	ALL	VC			
	Section 5. Parameter Values and Ranges						
T24 Window Status	T24	O	ISO 8208	VC/PVC			
T25 Window Rotation	T25	O	ISO 8208	VC/PVC			

Packet Layer Group 2: State R2 DTE Restart Request

PICS item from IS 8208/AD3 Description	Number	Status	Applicable Standard	Type of LC	P2_210	P2_211	P2_212
	Section 1. General DTE Characteristics						
DTE/DCE (1980)	Ec/0	O.2	X.25 '80		-	-	-
DTE/DCE (1984)	Ec/4	O.2	X.25 '84		-	-	-
ISO 8208			ISO 8208				
Modulo 8	M8	O.3	ALL				
Modulo 128	M128	O.3	ALL				
	Section 2. Procedures, packet types and packet formats						
On-line Fac. Reg. tx	Z4i	O	ALL	VC/PVC			
On-line Fac. Reg. rx	Z4r	O	ALL	VC/PVC			
Outgoing VCs	S1	Vs::O	ALL	VC			
Fast-Select no restriction	S1a	O	ALL	VC			
Fast-Select with restrict.	S1b	O	ALL	VC			
Incoming VCs	S2	Vs::O	ALL	VC			
Fast-Select with accept.	S2a	O	ALL	VC			
non-Fast Select cleared	S2d	O	ALL	VC			
Resetting supported tx	RSi	O	ALL	VC/PVC			
Resetting supported rx	RSr	O	ALL	VC/PVC			
ERROR-C proc. clear	W1	O	ALL	VC			
ERROR-C proc. restart	W1	O	ALL	VC			
ERROR-R proc. reset	W2s	O.8	ALL	VC			
ERROR-R proc. clear	W2s	O.8	ALL	VC			

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