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Integrated Services Digital Network (ISDN); Signalling System No.7; Message Transfer Part (MTP); Test specification

[ITU-T Recommendations Q.781 and Q.782 (1993), modified]

ETSI

European Telecommunications Standards Institute

ETSI Secretariat

Postal address: F-06921 Sophia Antipolis CEDEX - FRANCE

Office address: 650 Route des Lucioles - Sophia Antipolis - Valbonne - FRANCE

X.400: c=fr, a=atlas, p=etsi, s=secretariat - Internet: secretariat@etsi.fr

Tel.: +33 92 94 42 00 - Fax: +33 93 65 47 16

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Foreword

This European Telecommunication Standard (ETS) has been produced by the Signalling Protocols and Switching (SPS) Technical Committee of the European Telecommunications Standards Institute (ETSI).

Transposition dates			
Date of adoption of this ETS:	6 September 1996		
Date of latest announcement of this ETS (doa):	31 December 1996		
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	30 June 1997		
Date of withdrawal of any conflicting National Standard (dow):	30 June 1997		

Endorsement notice

The text of ITU-T Recommendations Q.781 (1993) and Q.782 (1993) was approved by ETSI as an ETS with agreed modifications as given below.

NOTE: New or modified text is indicated using sidebars. In addition, underlining and/or strike-

out are used to highlight detailed modifications where necessary. For the tests, bold

font is used in addition to increase legibility.

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Global modifications to ITU-T Recommendations Q.781 and Q.782

Insert the following two clauses (scope and normative references):

Scope

This European Telecommunication Standard (ETS) defines a set of detailed tests of the Signalling System No.7 Message Transfer Part (MTP) level 2 and level 3 protocol. These tests intend to validate the protocol specified in ETS 300 008-1 [1].

This ETS conforms to ITU-T Recommendation Q.780 [2] which describes the basic rules of the test specifications, however, it contains additional general principles specific to level 2 and level 3 tests, respectively.

Normative references

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

[1]	ETS 300 008-1: "Integrated Services Digital Network (ISDN); Signalling Syster No.7; Message Transfer Part (MTP) to support international interconnection				
	Part 1: Protocol specification [ITU-T				
	Q.702 (1988), Q.703 to Q.706 (1993), modified]".	Q.707 (1988)	and Q.708 (1993),		
[2]	ITU-T Recommendation Q.780 (1993): specification general description".	"Signalling Sys	stem No.7 test		

Throughout the text of ITU-T Recommendations Q.781 and Q.782

Replace references as shown below.

Reference in ITU-T Recommendations Q.781 and Q.782	Modified reference
ITU-T Recommendation Q.701	ITU-T Recommendation Q.701 as modified by ETS 300 008-1 [1]
ITU-T Recommendation Q.702	ITU-T Recommendation Q.702 as modified by ETS 300 008-1 [1]
ITU-T Recommendation Q.703	ITU-T Recommendation Q.703 as modified by ETS 300 008-1 [1]
ITU-T Recommendation Q.704	ITU-T Recommendation Q.704 as modified by ETS 300 008-1 [1]
ITU-T Recommendation Q.707	ITU-T Recommendation Q.707 as modified by ETS 300 008-1 [1]

Modifications to ITU-T Recommendation Q.781

Test number 1.5

TEST	NUMBER: 1.5 PAGE: 1 OF 1				
REFE	RENCE: Q.703 Clause 7	STD: Fig. 8; Fig. 9			
TITLE	: Link State Control – Ex	pected signal units/orders			
SUB T	ITLE: Normal alignment	- correct procedure (FISU)			
PURPO	OSE: To check normal ali	gnment procedure			
PRE-T	EST CONDITIONS: Lin	k out of service			
CONF	GURATION: 1		TYPE OF	TEST: VAT, CPT	
MESSA	AGE SEQUENCE:		1		
	SP B			SP A	
Link			Link		
		<	1 - 0	SIOS	
1 – 0	SIOS	>			
				: start	
		<	1 – 0	SIO	
1 - 0	SIO	>			
		<	1 - 0	SIN	
1 - 0	SIN	>			
		<	1 – 0	FISU	
1 - 0	FISU	>			
TEST 1	DESCRIPTION				
1.	Start normal alignment pr	ocedure.			
2.	Check link aligns and enter				
3.	Check that "In service" st	ate is maintained.			
4.					

Test number 1.7

TEST 1	NUMBER: 1.7	PAGE: 1 C	PAGE: 1 OF 1			
REFER	ENCE: Q.703 Clauses 7, 10.3	STD: Fig. 9; Fig. 17				
TITLE:	Link State Control – Expecte	d signal units/orders				
SUB T	ITLE: SIO received during no	rmal proving period				
PURPO	OSE: To test the response to the	e reception of an SIO during the normal	proving period			
PRE-T	EST CONDITIONS: Link out	of service				
CONFI	GURATION: 1		TYPE OF T	TEST: VAT		
EXPEC	TED SIGNAL UNIT SEQUE	NCE:				
	SP B			SP A	A	
Link			Link			
		<	1 - 0	SIOS		
1 – 0	SIOS	>				
				: start		
		<	1 - 0	SIO		
1 – 0	SIO	>				
		<	1 - 0	SIN		
1 – 0	SIN	>		l T	·4	
					topped	
1 - 0	SIO (one only)	>		<u></u>		
				ı		
1 - 0	SIN	>			IN	
		<	1 – 0		74(Pn)	
		<	1 – 0	FISU		
TEST I	TEST DESCRIPTION					
		ol macrino monical				
	1. Send an SIO at B during normal proving period.					
۷.	Check that new normal period	is emered.				

Test number 4.1

TEST 1	NUMBER: 4.1		PAGE: 1	OF 1
REFER	RENCE: Q.703 Clause 8 ST	D: Fig. 10	,	
TITLE	Processor outage control			
SUB T	ITLE: Set and clear LPO while li	nk in service		
PURPO	OSE: To check the ability to perf	orm correctly when LPO is set and re	ecovered	
PRE-T	EST CONDITIONS: Link in serv	rice		
CONF	GURATION: 1		TYPE OF	TEST: VAT
EXPEC	CTED SIGNAL UNIT SEQUENC	E:	•	
	SP B			SP A
Link			Link	
1 0	EIGH	<	1 – 0	FISU (FSN = 7F, BSN = 7F)
1 – 0	FISU $(FSN = 7F, BSN = 7F)$	>		
		accepted		
		<	1 – 0	MSU (1) $(FSN = 0, BSN = 7F)$
		<	1 – 0	MSU (2) (FSN = 1, BSN = 7F)
				: set LPO
1 – 0	MSU $(FSN = 0, BSN = 0)$	>		
		<	1 – 0	SIPO $(FSN = \underline{1} \theta, BSN = 7F)$
<u>1 – 0</u>	$\frac{\text{FISU}}{(\text{FSN} = 0, \text{BSN} = 0)}$	<u>></u>		_ , , , , , ,
				: clear LPO
		<	1 – 0	MSU (3) (FSN = 1 , BSN = 5)
mpom :	OEGGDIPETON.			
1EST I	DESCRIPTION			
1.	Set LPO at A while link in servic	2.		
2.	Check that MSU from B is discar	ded.		
3.	Clear LPO at A after at least 1,2	<u>s</u> .		
4.	Check that "old" messages are flusent correctly.	ished from level 2 buffers and not tra	insmitted on the lin	k. Check that new MSUs are

Test number 5.3

TEST :	NUMBER: 5.3		PAGE: 1 C	OF 1	
REFE	REFERENCE: Q.703 subclause 4.1 STD: Fig. 11				
TITLE	: SU delimitation, alignment, en	rror detection and correction			
SUB T	ITLE: Below minimum signal u	unit length			
PURP	OSE: To test the signal unit deliminimum length	imitation, alignment and error dete	ction action on receipt of	signal unit less than the	
PRE-T	EST CONDITIONS: Link in se	ervice			
CONF	IGURATION: 1		TYPE OF T	TEST: VAT	
EXPE	CTED SIGNAL UNIT SEQUEN	CE:			
	SP B			SP A	
Link			Link		
		<	1 – 0	FISU $(BIB + BSN = FF)$	
1 – 0	FISU	>			
1 – 0	corrupt MSU (FIB + FSN = 80) (signal unit less than 6 octets)	>			
		<	1 – 0	FISU (BSN unchanged)	
1-0	FISU	>			
TEST I	DESCRIPTION				
1.	Generate a corrupt MSU at B or	f less than 6 octet (i.e. less than 5 o	ctets between flags).		
2.	Check A discards the signal uni	it, and may go goes into octet coun	ting mode.		
3.	On reception of a correct FISU, service" state.	check that A leaves the octet coun	iting mode <u>if it was enter</u>	red and remains in the "in	

Test number 9.7

TEST	T NUMBER: 9.7 PAGE: 1 OF 1				
REFER	ENCE: Q.703 subclause 6.2	STD: Fig. 15			
TITLE	Transmission and reception contra	rol (PCR)			
SUB T	ITLE: MSU transmission while RI	PO set			
PURPO	OSE: To ensure correct performand	ce while RPO is set			
PRE-T	EST CONDITIONS: Link in servi	ce			
CONFI	GURATION: 1		TYPE OF	TEST: VAT	
EXPEC	TED SIGNAL UNIT SEQUENCE	:			
	SP B			SP A	
Link		<	Link 1 – 0	FISU	
1 – 0	FISU (FSN = 7F, BSN = 7F)	>	1 0	(FSN = 7F, BSN = 7F)	
	: set LPO	<	1 – 0	MSU (FSN = 0, BSN = 7F) :	
1 – 0	SIPO (FSN = 7F, BSN = 7F)	>		:	
	: clear LPO	<	1 – 0	FISU (FSN = 0, BSN = 7F) :	
1 – 0	MSU (FSN = 0, BSN = 7F)	>		:	
1 – 0	MSU	<	1 – 0	FISU (FSN = $7F$ θ , BSN = 0)	
1-0	(FSN = 0, BSN = 7F)	<>	1 – 0	FISU (FSN = $7F \theta$, BSN = 0)	
TE CET I	NIG GD IDWION				
	DESCRIPTION				
1.	Generate an MSU at A.	dedesses to the DO CD f	a4 laaa4 1 2 :		
2.		rledgement, set and keep PO at B for		ilura by the expiration of T7	
3.	_	the MSU and sends FISUs, and doe		nure by the expiration of 17.	
4. 5.	4. Cease PO <u>after at least 1,2 s</u> and send an MSU with no positive acknowledgement at B.				
	Check A flushed its buffer and no of	oid ividu is sciit.			
6. 7.	Generate an MSU at B.	enands carrectly			
/.	Check A receives the MSU and res	ponus correctiy.			

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Modifications to ITU-T Recommendation Q.782

Test number 2.3

TEST NUMBER: 2.3	NUMBER: 2.3 PAGE: 1 of 1				
REFERENCE: Q.704 subclause 2.4	ERENCE: Q.704 subclause 2.4 Fig. 24, Fig. 25				
TITLE: Signalling message handling					
SUBTITLE: Message received with an e	erroneous SI (distribution function)				
PURPOSE: To check the response to a r	nessage received with an erroneous SI				
PRE-TEST CONDITIONS: Signalling	linkset activated				
CONFIGURATION: A	TYPE OF TEST: VAT	TYPE OF SP: ALL			
MESSAGE SEQUENCE:					
SP A		SP B			
Link	Link				
	< 1 – 1	:Invalid SLTM (<u>erroneous</u> invalid SI)			
TEST DESCRIPTION					
	on involid CI				
	an invalid SI. eived <u>except perhaps a UPU (cause unequ</u> i	ipped) when the SI used does not exist.			

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Test number 3.21

TEST NU	EST NUMBER: 3.21 PAGE: 1 of 1			f 1	
REFERENCE: Q.704 clause 5 Fig. 28, Fig. 29, Fig. 30					
TITLE: C	hangeover				
SUBTITLE	E: Reception of a changeover or	der on an available link			
PURPOSE	: To check the changeover proce	edure on reception of a COO or ECO for a	link in servi	ce	
PRE-TEST	CONDITIONS: Linkset with	two available links			
C	ONFIGURATION: A	TYPE OF TEST: VAT		TYPE OF SP: ALL	
MESSAGE	E SEQUENCE:				
	SP A			SP B	
Linl	<u> </u>		Link		
:Start traffi					
1 –		>			
		<	1 – 1	TRAFFIC	
1 - 2	2 TRAFFIC	>			
		<	1 – 2	TRAFFIC	
		<	1 – 2	COO, SLC 1 – 1 (FSN corresponding to the last received message)	
1 - 2	2 COA, SLC 1 – 1	>			
1 – 2	TRAFFIC (from 1 – 1)	>			
		<	1 - 2	TRAFFIC (from 1 – 1)	
:Wait					
:Stop traff	ic				
TEST DES	SCRIPTION				
1.	Start traffic to B and C on all the	e links.			
2.	2. Send a COO from B to A for 1 – 1 on link 1 – 2 and check that the COA is received.				
3.	Check that the link 1 – 1 become	es unavailable.			
4.	4. Stop traffic and check that the changeover procedure has been performed.				
5.	Check that there was no loss of	messages, no duplication and no missequen	ncing.		
6.	Repeat the test but send an ECO (instead of a COO) and check that <u>a COA</u> an ECA is received (instead of a COA). Some messages may be lost.				

Test number 4.5

TEST NU	MBER: 4.5		PAGE: 1 of 1		
REFERENCE: Q.704 clause 6, Fig. 28, Fig. 29, Fig. 31					
TITLE: C	Changeback				
SUBTITL	E: No acknowledgement of rep	peat changeback declaration			
PURPOSE	E: To check that traffic is chang	ged back after a repeat changeback declarati	on is not acknow	rledged	
PRE-TEST	Γ CONDITIONS: Linkset with	h one available link			
CC	ONFIGURATION: A	TYPE OF TEST: VAT	T	YPE OF SP: ALL	
MESSAG	E SEQUENCE:				
	SP A			SP B	
Link			Link		
1 – 2	2 TRAFFIC	> <	1 – 2	TRAFFIC	
1 - 1	1 :Activate	<u></u>	1 – 2	IRMIIC	
1 - 2	i Ž	>			
1 – 2	1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	>			
1 – 1	Į.	>			
		<	1 – 1	TRAFFIC (from $1-2$, see Note)	
1 - 2	2 TRAFFIC	> <	1 – 2	TRAFFIC	
	:Wait :Stop traffic NOTE – B may perform a changeback or not.				
TEST DESCRIPTION					
1. 2.					
3.	Check that after T4, a CBD is repeated and not acknowledged by a CBA.				
4.	Check that after T5, the traffic is changed back on link $1-1$.				
5.	Stop traffic and check that there were no lost messages, no duplication and no missequencing.				
6.	Check that the duration of T5 is inside the specified range.				

Test number 4.11

Modify the test as follows:

TEST NUMBER: 4.11 PAGE: 1 of 1					
REFERENCE: 0	REFERENCE: Q.704 clause 6, Fig. 28, Fig. 29, Fig. 31				
TITLE: Changel	back				
SUBTITLE: Tir	ne controlled diversion p	rocedure			
PURPOSE: To o	check the correct operation	on of the time controlled di	version procedu	re	
PRE-TEST CON	NDITIONS: Linksets 1,	2 and 4 unavailable			
CONFIG	URATION: B	TYPE OF TEST:	VAT, CPT	Т	YPE OF SP: ALL
MESSAGE SEQ	UENCE:				
Link	SP A	Link	SP B	Link	SP C
:Start traffic 3 – 1	TRAFFIC (to D and E)		>		
3 – 2	TRAFFIC (to D and E)	<		3 – 1	TRAFFIC (from D and E)
2 – 1	:Activate (depending of 1/2 T21 1/2 TRA	f the deactivation mean pre		3 – 2	TRAFFIC (from D and E)
3 – 1, 2	TRAFFIC STOPPED 14 14 14 14 15 14	< 2 – 1	«TRA»		
2 – 1	TRAFFIC (from 3 – 1, 2)	>			
2 – 1, 2	TRAFFIC	< 2 – 1 <	>	om D, see Note) 3 – 1, 2	TRAFFIC (from E)
:Wait					
:Stop traffic					
	rms the point restart proc		of a TFA for A	reroutes its traffi	c to A. These procedures are

not presented to simplify the test description.

TEST DESCRIPTION

- Start traffic to E (and D in VAT) on linkset 3. 1.
- 2. Activate link 2 - 1.
- 3. Check that T21 is started in A, and is stopped on reception of TRA from SP B (see Notes).
- 4. Check that traffic on linkset 3 ceased in A and that after expiration T3 traffic diverts to link 2 - 1 in accordance with the load sharing rules in A.
- 5. Stop traffic and check that there were no lost messages, no duplication and no missequencing.
- Check that the duration of T3 is inside the specified range. 6.
- 7. Repeat the test (in VAT) without sending TRA from B to A and check that the time controlled diversion is performed when T21 expires.

Test number 8.2

TEST NUMBER: 8.2			PAGE: 1 of 1	PAGE: 1 of 1		
REFERENCE:	Q.704 clause 11.	subclause 12.6, Fig.	46A			
ΓΙΤLE: Signal	lling traffic flow co	ntrol				
SUBTITLE: S	ending of TFCs					
PURPOSE: To	check the detection	on of a level 3 congesti	on			
PRE-TEST CC	ONDITIONS: All I	inks available				
CONFI	GURATION: C	TYI	PE OF TEST: VAT	ТҮРЕ	OF SP: STP	
MESSAGE SE	QUENCE:	I		I		
	SP B	SP A			SP C	
Link Start traffic		Link		Link	Si C	
1 – 1	TRAFFIC		2 – 1 (n E) 1 – 1 <		TRAFFIC (< n E)	
1 – 2	TRAFFIC	· ·	2 – 1 (n E) 1 – 2 <		TRAFFIC (< n E)	
·Wait			1-X TFC, DPC = C			
				8 messages sent to C ch 256 octets sent to C	;	
		<	1 - X TFC, DPC = C			
1 – 1	TRAFFIC		2 – 1		TRAFFIC	
2 – 1 E)	TRAFFIC (> n		2-1			
Wait Stop traffic	e maximum load ca		1-2 <e in="" model="" t<="" td="" this="" traffic="" used=""><td></td><td>TRAFFIC (< n E) lle 2/0.706.</td></e>		TRAFFIC (< n E) lle 2/0.706.	
		pacity of minset 2. III	e dame model used in tills t	est is described in Tab	2/ 2.700.	
TEST DESCR		load exceeding n/2 e	rlang on links 1 – 1 and 1 –	2 (n is the maximum	load that the link 2	

- carry without congestion).
 Check that the signalling traffic flow control procedure is started in A. Check that a TFC message concerning C is 2. received for each 8 messages received or each 256 octets received in B during the congestion. Reduce the load to $\frac{\mathbf{n}/2}{9.1}$ erlang or less on links 1-1 and 1-2.
- 3. 4. 5. 6.
- Check that the congestion disappears and that no TFC is received.
- Stop traffic.
 Check that the traffic from C to B has not been disturbed.

Test number 9.1.1

TEST NU	JMBER: 9.1.1		PAGE: 1 of 1		
REFEREN	NCE: Q.704 clause 13, Fig. 29,	Fig. 44			
TITLE: S	Signalling route management				
SUBTITL	E: Sending of a TFP on an alter	native route – Failure of normal linkset			
PURPOSE	E: To check the sending of a TF	P on the alternative route when the norm	al linkset becomes unavailable		
PRE-TES	Γ CONDITIONS: All linksets ε	available			
C	ONFIGURATION: D	TYPE OF TEST: VAT, CPT	TYPE OF SP: STP		
MESSAG	E SEQUENCE:				
	SP A	SP B	SP C SP •		
Linl :Start traff		Link	Link Link		
1 – 1	TRAFFIC - (from A and F)	> 5-1 6-1			
2 – 1	1 TRAFFIC - (from A and F)	·····> 7 -	-1> SP E		
1 – 1	1 :Deactivate (MML con	nmand or failure)			
2 – 1	1 TFP, PC = B	>			
2	, -	(this TFA is sent via C)			
2 – 1 2	, -	(this TEA is sent via C)			
$\frac{2}{2}$, -	(this TFA is sent via C)	-1> SP E		
2 -	(from 1 – 1)	• •	-1> SP D		
:Wait					
:Stop traff	ic				
NOTE – A	A changeover procedure is perform	med after deactivation of link $1-1$ but is	s not described in this transfer prohibited test.		
TEST DESCRIPTION					
1.	Start traffic to D and E on linkset 1 and 2				
2. Deactivate link 1 – 1 and check that TFPs concerning B and D are sent from A to C (alternative route to reach B and D). Check that no TFP concerning E is sent from A to C (load sharing between linksets 1 and 2 in A to reach E). Check that TFAs concerning B and D are sent from A to B (via C).					
3.	Check that time out T8 is started for each TFP sent.				
4.	Check that traffic to D and E is diverted to C.				
5.	Stop traffic and check that it was not disturbed.				

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Test number 9.1.2

TEST NU	MBER: 9.1.2	PAGE: 1 of 1	PAGE: 1 of 1			
REFEREN	ICE: Q.704 clause 13, Fig. 2	9, Fig. 44				
TITLE: S	signalling route management					
SUBTITL	E: Sending of a TFP on an alto	ernative route – On reception of a TFP				
PURPOSE	E: To check the sending of a TFP	ΓFP on the alternative route when the normal route becomes u	navailable on reception of a			
PRE-TEST	Γ CONDITIONS: Linkset 4 u	navailable				
CC	ONFIGURATION: D	TYPE OF TEST: VAT, CPT TY	PE OF SP: STP			
MESSAGI	E SEQUENCE:					
	SP A	SP B SP C	SP •			
Link	=	Link Link	Link			
1 – 1	TRAFFIC (from A and F)	> 5-1> 6-1>	SP D SP E			
2 – 1	TRAFFIC (from A and F)	> 7-1>	SP E			
See No	ote	5 – 1 :Deactivate < 1 – 1 TFP, PC = D				
2 - 1	, -	>				
1 1 - 1	, -	> 6-1>	SP E			
2 – 1	TRAFFIC (from A and F, and fro	> 8 - 1> m 1 - 1 to D) 7 - 1>	SP D SP E			
:Wait :Stop traffi NOTE – A test.		after the reception of TFP for D in A but it is not described in	this transfer prohibited			
TEST DES	CRIPTION					
1.	Start traffic to D and E.					
2.	Deactivate link 5 – 1 and check that a TFP concerning D is sent to A.					
3.	Check that a TFP concerning D is received from A and that traffic to D is diverted via C. Check that a TFA concerning D is sent from A to B.					
4.	Check that a time out T8 is started.					
5.	Stop traffic and check that traffic to E has not been disturbed. Some messages to D may have been lost.					

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Test number 10.3

Delete test number 10.3. It is not part of this ETS.

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Test number 13.7

TEST NUMBER: 13.7			PAGE: 1 of 1		
REFERENCE: Q.704 clause 15					
TITLE: <u>Unusual</u> Invalid messages					
SUBTITLE: <u>Unusual</u> Invalid signalling	route management messages				
PURPOSE: To check the actions of the s	ystem on reception of <u>unusual</u> invalid TFA	or TFP			
PRE-TEST CONDITIONS: Link 1 – 1 a	available 2 – 1 available				
CONFIGURATION: A	TYPE OF TEST: VAT		TYPE OF SP: ALL		
MESSAGE SEQUENCE:					
SP A			SP B		
Link		Link			
:Start traffic		Link			
1 – 1 TRAFFIC	>				
	<	1 - 1	TRAFFIC		
	<	1 – 1	TFP, $PC = X$ (non-existing PC)		
	<	1 – 1	TFA, PC = X (non-existing PC)		
	<	1 – 1	TFP, PC = C (non-existing OPC)		
	<	1 – 1	TFP, PC = C (spare bits $\neq 00$)		
		2 – 1	:Deactivate		
	<	1 – 1 1 – 1	TFP, $PC = C$ TFA, $PC = C$		
	<u> </u>	1 – 1	(non-existing OPC)		
	<	1 – 1	TFA, $PC = C$ (spare bits $\neq 00$)		
1 – 1 TRAFFIC	>				
	<	1 – 1	TRAFFIC		
:Wait					
:Stop traffic					
TEST DESCRIPTION					
1. Start traffic to B and C.					
2. Send TFPs and TFAs with <u>un</u> without impact on the traffic (e	usual invalid values to A (as described above ept for spare bits $\neq 0$).	ove). Chec	k that these messages are discarded		
3. Deactivate linkset 2 and check	Deactivate linkset 2 and check that $\underline{\mathbf{C}} \mathbf{B}$ becomes inaccessible.				
4. Send TFAs concerning C with discarded without impact on the	Send TFAs concerning C with <u>unusual</u> invalid values to A (as described above) and check that these messages are discarded without impact on the traffic.				
5. Check the indications are given	Check the indications are given by the system (except for SLC and spare bits 0).				
6. Stop traffic.	Stop traffic.				

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Test number 13.8

TEST NUMBER: 13.8			PAGE: 1 of 1		
REFERENCE: Q.704 clause 15					
TITLE: <u>Unusual</u> <u>Invalid</u> messages					
SUBTITLE: <u>Unusual</u> Invalid Signalling-	Route-Set-Test messages				
PURPOSE: To check the actions of the sy	ystem on reception of <u>unusual</u> invalid RST	messages			
PRE-TEST CONDITIONS: Link 1 – 1					
CONFIGURATION: A	TYPE OF TEST: VAT		TYPE OF SP: STP		
MESSAGE SEQUENCE:					
SP A			SP B		
Link		Link			
:Start traffic 1 – 1 TRAFFIC	>				
1 1 INTIE	<	1 – 1	TRAFFIC		
	<	1 – 1	RST, PC = X (non-existing PC)		
	<	1 – 1	RST, PC = C (non-existing OPC)		
	<	1 – 1	RST, PC = C (spare bits \neq 00)		
1 – 1 TRAFFIC	>				
1-1 TRAFFIC	<	1 – 1	TRAFFIC		
:Wait					
:Stop traffic					
TEST DESCRIPTION					
1. Start traffic to B and C.					
2. Send to A the <u>unusual invalid</u> the traffic <u>(except for spare bit</u>	Send to A the <u>unusual</u> invalid messages described above and check that these messages are discarded without impact on the traffic (except for spare bits $\neq 0$).				
3. Stop traffic.					

History

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