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Test Suite Overview

Test Suite Structure			
Suite Name : Interworking_PMP Standards Ref : EN 300 899-1 [ITU Q.699 modified] PICS Ref : PIXIT Ref : EN 300 899-4 Annex A Test Method(s) : Multi-party test method (EN 300 899-4, subclause 4) Comments : Revised version. 12/99 isupm7.mp			
Test Group Reference	Selection Ref	Test Group Objective	Page Nr
ISUP_DSS1/ ISUP_DSS1/CPG/ ISUP_DSS1/CPG/N09/ ISUP_DSS1/CPG/N09/TC314002/ ISUP_DSS1/CPG/N09/TC314003/ ISUP_DSS1/CPG/N09/TC314004/ ISUP_DSS1/CPG/N09/TC314005/ ISUP_DSS1/CPG/N09/TC314008/ ISUP_DSS1/CPG/N09/TC314011/ ISUP_DSS1/CPG/N09/TC314012/ ISUP_DSS1/CPG/N07/ ISUP_DSS1/CPG/N07/TC314015/ ISUP_DSS1/CPG/N07/TC314016/ ISUP_DSS1/CPG/N07/TC314017/ ISUP_DSS1/CPG/N07/TC314018/ ISUP_DSS1/CPG/N07/TC314019/ ISUP_DSS1/CPG/N07/TC314020/ ISUP_DSS1/CPG/N07/TC314021/ ISUP_DSS1/CPG/N07/TC314023/ ISUP_DSS1/CPG/N07/TC314024/ ISUP_DSS1/ANM/ ISUP_DSS1/ANM/N09/ ISUP_DSS1/ANM/N07/ ISUP_DSS1/Call_Clearing_msg/ ISUP_DSS1/Call_Clearing_msg/N06/ ISUP_DSS1/Call_Clearing_msg/N09/ ISUP_DSS1/Call_Clearing_msg/N07/	AUTO_ACM NOT_AUTO_ACM		
Detailed Comments :			

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
ISUP_DSS1/CPG/N09/	TC314001	AUTO_ACM NOT_AUTO_ACM		
ISUP_DSS1/CPG/N09/TC314002/	TC314002_01			
ISUP_DSS1/CPG/N09/TC314002/	TC314002_02			
ISUP_DSS1/CPG/N09/TC314003/	TC314003_01			
ISUP_DSS1/CPG/N09/TC314003/	TC314003_02			
ISUP_DSS1/CPG/N09/TC314003/	TC314003_03			
ISUP_DSS1/CPG/N09/TC314004/	TC314004_01			
ISUP_DSS1/CPG/N09/TC314004/	TC314004_02			
ISUP_DSS1/CPG/N09/TC314004/	TC314004_03			
ISUP_DSS1/CPG/N09/TC314005/	TC314005_01			
ISUP_DSS1/CPG/N09/TC314005/	TC314005_02			
ISUP_DSS1/CPG/N09/	TC314006			
ISUP_DSS1/CPG/N09/	TC314007			
ISUP_DSS1/CPG/N09/TC314008/	TC314008_01			
ISUP_DSS1/CPG/N09/TC314008/	TC314008_02			
ISUP_DSS1/CPG/N09/TC314008/	TC314008_03			
ISUP_DSS1/CPG/N09/	TC314009			
ISUP_DSS1/CPG/N09/	TC314010			
ISUP_DSS1/CPG/N09/TC314011/	TC314011_01			
ISUP_DSS1/CPG/N09/TC314011/	TC314011_02			
ISUP_DSS1/CPG/N09/TC314012/	TC314012_01			
ISUP_DSS1/CPG/N09/TC314012/	TC314012_02			
ISUP_DSS1/CPG/N07/	TC314013			
ISUP_DSS1/CPG/N07/	TC314014			
ISUP_DSS1/CPG/N07/TC314015/	TC314015_01			
ISUP_DSS1/CPG/N07/TC314015/	TC314015_02			
ISUP_DSS1/CPG/N07/TC314015/	TC314015_03			
ISUP_DSS1/CPG/N07/TC314015/	TC314015_04			
ISUP_DSS1/CPG/N07/TC314016/	TC314016_01			
ISUP_DSS1/CPG/N07/TC314016/	TC314016_02			
ISUP_DSS1/CPG/N07/TC314017/	TC314017_01			
ISUP_DSS1/CPG/N07/TC314017/	TC314017_02			
ISUP_DSS1/CPG/N07/TC314017/	TC314017_03			
ISUP_DSS1/CPG/N07/TC314018/	TC314018_01			
ISUP_DSS1/CPG/N07/TC314018/	TC314018_02			
ISUP_DSS1/CPG/N07/TC314019/	TC314019_01			
ISUP_DSS1/CPG/N07/TC314019/	TC314019_02			

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Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
ISUP_DSS1/CPG/N07/TC314019/	TC314019_03			
ISUP_DSS1/CPG/N07/TC314020/	TC314020_01			
ISUP_DSS1/CPG/N07/TC314020/	TC314020_02			
ISUP_DSS1/CPG/N07/TC314021/	TC314021_01			
ISUP_DSS1/CPG/N07/TC314021/	TC314021_02			
ISUP_DSS1/CPG/N07/TC314021/	TC314021_03			
ISUP_DSS1/CPG/N07/	TC314022			
ISUP_DSS1/CPG/N07/TC314023/	TC314023_01			
ISUP_DSS1/CPG/N07/TC314023/	TC314023_02			
ISUP_DSS1/CPG/N07/TC314024/	TC314024_01			
ISUP_DSS1/CPG/N07/TC314024/	TC314024_02			
ISUP_DSS1/ANM/N09/	TC315001			
ISUP_DSS1/ANM/N09/	TC315002			
ISUP_DSS1/ANM/N09/	TC315003			
ISUP_DSS1/ANM/N07/	TC315004			
ISUP_DSS1/ANM/N07/	TC315005			
ISUP_DSS1/ANM/N07/	TC315006			
ISUP_DSS1/Call_Clearing_msg/N06/	TC316001			
ISUP_DSS1/Call_Clearing_msg/N09/	TC316002			
ISUP_DSS1/Call_Clearing_msg/N09/	TC316003			
ISUP_DSS1/Call_Clearing_msg/N07/	TC316004			
ISUP_DSS1/Call_Clearing_msg/N07/	TC316005			
ISUP_DSS1/Call_Clearing_msg/N07/	TC316006			
Detailed Comments :				

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
ISDN_Step_1/	PO_RR_1		
ISDN_Step_1/	PO_SR_1		
ISDN_Step_1/	PR_N00_1		
ISDN_Step_1/	PR_N06_1		
ISDN_Step_1/	PR_N07_1		
ISDN_Step_1/	PR_N07_1_1		
ISDN_Step_1/	PR_N09_1_ACM		
ISDN_Step_1/	PR_N09_1_ACM_1		
ISDN_Step_1/	PTC1_SYNC		
ISUP_Step/	PO_SR_2		
ISUP_Step/	PR_N06_2_ACM_AUTO		
ISUP_Step/	PR_N06_2		
ISUP_Step/	PR_N07_2		
ISUP_Step/	PR_N09_2_ACM		
ISUP_Step/	PTC2_SYNC		
ISDN_Step_2/	PO_RR_3		
ISDN_Step_2/	PO_SR_3		
ISDN_Step_2/	PR_N00_3		
ISDN_Step_2/	PTC3_SYNC		
MTC_Step/	MTC_SYNC		
MTC_Step/	PR_N00_MTC		
MTC_Step/	PR_N06_MTC		
MTC_Step/	PR_N07_MTC		
MTC_Step/	PR_N09_MTC		
PTC_Step/	PTC_Ready		
Detailed Comments :			

Default Index			
Default Group Reference	Default Id	Description	Page Nr
	OtherwiseFail OtherwiseFail_1 OtherwiseFail_2 OtherwiseFail_3		
Detailed Comments :			

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Declarations Part

Simple Type Definitions			
Type Name	Type Definition	Type Encoding	Comments
end_of_opt_param_ind	OCTETSTRING[1]		3.20 / Q.763
message_type	BITSTRING[8]		2.1 / Q.763
pointer	OCTETSTRING[1]		2.3 / Q.763
transmission_medium_requirement	OCTETSTRING[1]		3.54 / Q.763
AdSg_type	HEXSTRING		
ST_type	HEXSTRING('F'H)		
BCAP_I	BITSTRING('00000100'B)		Bearer capability identifier type
CALL_REF_TYPE	BITSTRING[7 .. 15]		Call reference value type
CAU_I	BITSTRING('00001000'B)		Cause identifier type
CDPN_I	BITSTRING('01110000'B)		Called party number identifier type
CDPS_I	BITSTRING('01110001'B)		Called party subaddress identifier type
CGPN_I	BITSTRING('01101100'B)		Calling party number identifier type
CGPS_I	BITSTRING('01101101'B)		Calling party subaddress identifier type
CHI_I	BITSTRING('00011000'B)		Channel identification identifier type
CODN_I	BITSTRING('01001100'B)		Connected number identifier type
CODS_I	BITSTRING('01001101'B)		SpareConnected subaddress identifier type
CR_LENGTH_TYPE	BITSTRING[4]		Call reference length type
DATI_I	BITSTRING('00101001'B)		Date/time identifier type
DSP_I	BITSTRING('00101000'B)		Display identifier type
EFAC_I	BITSTRING('00001101'B)		Extended Facility id type
FAC_I	BITSTRING('00011100'B)		Facility identifier type
FLAG_TYPE	BITSTRING[1]		Call reference flag type
GFP_MT_LIST	OCTETSTRING ('24'O, '28'O, '30'O, '31'O, '33'O, '37'O, '62'O, '64'O)		OCTETSTRING[1] see ETS 300 196, subclause 11
HLC_I	BITSTRING('01111101'B)		High layer compatibility identifier type
IE_LIST	OCTETSTRING[0..255]		Any sequence of information elements
KPF_I	BITSTRING('00101100'B)		Keypad facility identifier type
LLC_I	BITSTRING('01111100'B)		Low layer compatibility identifier type
MT	BITSTRING[8]		Message type
NOID_I	BITSTRING('00100111'B)		Notification indicator identifier type
NSF_I	BITSTRING('00100000'B)		Network-specific facility identifier type
PD	BITSTRING('00001000'B)		Protocol discriminator
PI_I	BITSTRING('00011110'B)		Progress indicator identifier type
RI_I	BITSTRING('01111001'B)		Restart indicator identifier type
RNGN_I	BITSTRING('01110100'B)		Redirecting number identifier type
RONN_I	BITSTRING('01110110'B)		Redirection number identifier type

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Simple Type Definitions			
Type Name	Type Definition	Type Encoding	Comments
SCI	BITSTRING('10100001'B)		Sending complete information
TNS_I	BITSTRING('01111000'B)		Transit network selection identifier type
UUI_I	BITSTRING('01111110'B)		User-user identifier type
Detailed Comments :			

Structured Type Definition			
Type Name : access_delivery_information			
Encoding Variation :			
Comments : 3.2 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
spare	BITSTRING[7]		
ADI	BITSTRING[1]		Access delivery indicator
Detailed Comments :			

Structured Type Definition			
Type Name : access_transport			
Encoding Variation :			
Comments : 3.3 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
ATP_field	OCTETSTRING		
Detailed Comments :			

Structured Type Definition			
Type Name : access_transport1			
Encoding Variation :			
Comments : ATP containing a progress indicator			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
pi_i (Identifier)	PI_I		
pi_l (Length)	OCTETSTRING[1]		
pi_e3_pre (l.ext,Coding standard,spare)	BITSTRING[4]		
pi_e3_loc (Coding standard, location)	BITSTRING[4]		
pi_e4_eb (Extension bit)	BITSTRING[1]		
pi_e4_pd (Progress description)	BITSTRING[7]		
Detailed Comments :			

Structured Type Definition			
Type Name : access_transport2			
Encoding Variation :			
Comments : ATP containing an Low Layer Compatibility(LLC)			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
llc_i (Identifier)	LLC_I		
llc_l (Length)	OCTETSTRING[1]		
llc_con (Contents)	OCTETSTRING[0..16]		
Detailed Comments :			

Structured Type Definition			
Type Name : automatic_congestion_level			
Encoding Variation :			
Comments : 3.4 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
ACL_field	BITSTRING[8]		
Detailed Comments :			

Structured Type Definition			
Type Name : backward_call_indicators Encoding Variation : Comments : 3.5 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		1.
length	OCTETSTRING[1]		1.
EEMthI	BITSTRING[2]		End-to-end method indicator
CdPC	BITSTRING[2]		Called party's category indicator
CdPSI	BITSTRING[2]		Called party's status indicator
ChgI	BITSTRING[2]		Charge indicator
SCCPMI	BITSTRING[2]		SCCP method indicator
ECDI	BITSTRING[1]		Echo control device indicator
ISDNAI	BITSTRING[1]		ISDN access indicator
HoldI	BITSTRING[1]		Holding indicator @
ISUPI	BITSTRING[1]		ISDN User Part indicator
EEInfiI	BITSTRING[1]		End-to-end information indicator
IWI	BITSTRING[1]		Interworking indicator
Detailed Comments : 1. Only needed if the parameter is in the optional part of a message. @ only for national use			

Structured Type Definition			
Type Name : call_diversion_information Encoding Variation : Comments : 3.6 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
CDInf_contents	OCTETSTRING[1]		1.
Detailed Comments : 1. The contents are not subdivided because this parameter is not used for basic call.			

Structured Type Definition			
Type Name : call_history_information Encoding Variation : Comments : 3.7 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
CHInf_field	OCTETSTRING[2]		
Detailed Comments :			

Structured Type Definition			
Type Name : called_party_number_R Encoding Variation : Comments : 3.9 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
length	OCTETSTRING[1]		
OdEvI	BITSTRING[1]		Odd/even indicator
NatAdri	BITSTRING[7]		Nature of address indicator
INtwNbI	BITSTRING[1]		Internal network number indicator
NbPI	BITSTRING[3]		Numbering plan indicator
spare	BITSTRING[4]		
AdSg	AdSg_type		Address signals
ST	ST_type		End of pulsing
Filler	HEXSTRING[0..1]		Filler
Detailed Comments :			

Structured Type Definition			
Type Name : called_party_number_S Encoding Variation : Comments : 3.9 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
length	OCTETSTRING[1]		
value	OCTETSTRING		Contents the complete value of the called party number, with also the Filler
Detailed Comments :			

Structured Type Definition			
Type Name : calling_party_number Encoding Variation : Comments : 3.10 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
value	OCTETSTRING		1.
Detailed Comments : 1. Only if the parameter is in the optional part of a message.			

Structured Type Definition			
Type Name : calling_partys_category			
Encoding Variation :			
Comments : 3.11 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		1.
length	OCTETSTRING[1]		1.
CgPC_field	BITSTRING[8]		
Detailed Comments : 1. Only if the parameter is in the optional part of a message.			

Structured Type Definition			
Type Name : call_reference			
Encoding Variation :			
Comments : 3.8 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
CRef_contents	OCTETSTRING[5]		1.
Detailed Comments : 1. The contents of this message are not subdivided because this parameter is for national use only.			

Structured Type Definition			
Type Name : cause_indicators			
Encoding Variation :			
Comments : 3.12 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		1.
length	OCTETSTRING[1]		
ExtI_1	BITSTRING[1]		Extension indicator, always 1
CodS	BITSTRING[2]		Coding standard
spare	BITSTRING[1]		
Loc	BITSTRING[4]		Location
ExtI_2	BITSTRING[1]		Extension indicator, always 1
CauseV	BITSTRING[7]		Cause value
Diag	OCTETSTRING		Diagnostic(s) 2.
Detailed Comments : 1. Only if the parameter is in the optional part of a message. 2. If there is more than one Diagnostic all of them are in this single OCTETSTRING.			

Structured Type Definition			
Type Name : ccnr_possible_indicator			
Encoding Variation :			
Comments : 3.4.2.1.3 / Q.733.3			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
spare	BITSTRING[7]		
ccnr_possible	BITSTRING[1]		1
Detailed Comments :			

Structured Type Definition			
Type Name : ccss_call_indicator			
Encoding Variation :			
Comments : 6.2.1.3 / EN 300 356-20			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
spare	BITSTRING[7]		
ccns_call	BITSTRING[1]		1
Detailed Comments :			

Structured Type Definition			
Type Name : circuit_identification_code			
Encoding Variation :			
Comments :			
Element Name	Type Definition	Field Encoding	Comments
CIC	BITSTRING[12]		
spare	BITSTRING[4]		
Detailed Comments :			

Structured Type Definition			
Type Name : connected_number			
Encoding Variation :			
Comments : 3.16 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
OdEvI	BITSTRING[1]		Odd/even indicator
NatAdri	BITSTRING[7]		Nature of address indicators
spare	BITSTRING[1]		Spare
NbPI	BITSTRING[3]		Numbering plan indicator
APRI	BITSTRING[2]		Address presentation restriction indicator
ScrI	BITSTRING[2]		Screening indicator
AdSg	HEXSTRING		Address signal
Filler	HEXSTRING[0..1]		
Detailed Comments :			

Structured Type Definition			
Type Name : closed_user_group_interlock_code			
Encoding Variation :			
Comments : 3.15 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
CUGIC_contents	OCTETSTRING[4]		1.
Detailed Comments :			
1. The contents of this parameter are not subdivided because it is not used for basic call.			

Structured Type Definition			
Type Name : connection_request			
Encoding Variation :			
Comments : 3.17 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
ConRq_contents	OCTETSTRING[7]		1.
Detailed Comments :			
1. The contents of this parameter are not subdivided because it is not used for basic call.			

Structured Type Definition			
Type Name : echo_control_information Encoding Variation : Comments : 3.19 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
IEchoRqI	BITSTRING[2]		Incoming half echo control device request indicator
OEchoRqI	BITSTRING[2]		Outgoing half echo control device request indicator
IEchoRsI	BITSTRING[2]		Incoming half echo control device response indicator
OEchoRsI	BITSTRING[2]		Outgoing half echo control device response indicator
Detailed Comments :			

Structured Type Definition			
Type Name : event_information Encoding Variation : Comments : 3.21 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
EvPRI	BITSTRING[1]		Event presentation restriction indicator
EventI	BITSTRING[7]		Event indicator
Detailed Comments :			

Structured Type Definition			
Type Name : forward_call_indicators Encoding Variation : Comments : 3.23 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
IPI	BITSTRING[2]		ISDN User Part preference indicator
ISUPI	BITSTRING[1]		ISDN User Part indicator
EEInfI	BITSTRING[1]		End-to-end information indicator
IWI	BITSTRING[1]		Interworking indicator
EEMthI	BITSTRING[2]		End-to-end method indicator
InatCI	BITSTRING[1]		National/international call indicator
spare_2	BITSTRING[4]		@
spare_1	BITSTRING[1]		
SCCPMI	BITSTRING[2]		SCCP method indicator
ISDNAI	BITSTRING[1]		ISDN access indicator
Detailed Comments : @ For national use only			

Structured Type Definition			
Type Name : generic_digits			
Encoding Variation :			
Comments : 3.24 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
GenDig_contents	OCTETSTRING		1.
Detailed Comments : 1. The contents of this parameter are not subdivided because it is for national use only.			

Structured Type Definition			
Type Name : generic_notification_indicator			
Encoding Variation :			
Comments : 3.25 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
GenNot_contents	OCTETSTRING[1]		1.
Detailed Comments : 1. The contents of this parameter are not subdivided because it is not used for basic call.			

Structured Type Definition			
Type Name : generic_number			
Encoding Variation :			
Comments : 3.26 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
GenNb_contents	OCTETSTRING		1.
Detailed Comments : 1. The contents of this parameter are not subdivided because it is not used for basic call.			

Structured Type Definition			
Type Name : generic_reference			
Encoding Variation :			
Comments : 3.27 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
GenRef_contents	OCTETSTRING		1.
Detailed Comments : 1. The contents of this parameter are not subdivided because it is not used for basic call.			

Structured Type Definition			
Type Name : location_number Encoding Variation : Comments : 3.30 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
OdEvI	BITSTRING[1]		Odd/Even indicator
NatAdrI	BITSTRING[7]		Nature of address indicator
INtwNbI	BITSTRING[1]		Internal network number indicator
NbPI	BITSTRING[3]		Numbering plan indicator
APRI	BITSTRING[2]		Address presentation restricted indicator
ScrI	BITSTRING[2]		Screening indicator
AdSg	HEXSTRING		Address signal
Filler	HEXSTRING[0..1]		Filler
Detailed Comments :			

Structured Type Definition			
Type Name : MLPP_precedence Encoding Variation : Comments : 3.34 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
MLPPpre_contents	OCTETSTRING[6]		1.
Detailed Comments : 1. The contents of this parameter are not subdivided because it is not used for basic call.			

Structured Type Definition			
Type Name : nature_of_connection_indicators Encoding Variation : Comments : 3.35 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
spare	BITSTRING[3]		
ECDI	BITSTRING[1]		Echo control device indicator
CntChI	BITSTRING[2]		Continuity check indicator
SatI	BITSTRING[2]		Satellite indicator
Detailed Comments :			

Structured Type Definition			
Type Name : network_specific_facility			
Encoding Variation :			
Comments : 3.36 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
NtwFac_contents	OCTETSTRING		1.
Detailed Comments : 1. The contents of this parameter are not subdivided because it is for national use only.			

Structured Type Definition			
Type Name : optional_backward_call_indicators			
Encoding Variation :			
Comments : 3.37 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
spare	BITSTRING[4]		Reserved for national use
MLPPUsrI	BITSTRING[1]		MLPP user indicator
SgmI	BITSTRING[1]		Simple segmentation indicator
CDmo	BITSTRING[1]		Call diversion may occur indicator
InBndInfI	BITSTRING[1]		In-band information indicator
Detailed Comments :			

Structured Type Definition			
Type Name : optional_forward_call_indicators			
Encoding Variation :			
Comments : 3.38 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
COLRqI	BITSTRING[1]		Connected line identity request indicator
spare	BITSTRING[4]		
SgmI	BITSTRING[1]		Simple segmentation indicator
CUGCI	BITSTRING[2]		Closed user group call indicator
Detailed Comments :			

Structured Type Definition			
Type Name : original_called_number Encoding Variation : Comments : 3.39 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
OdEvI	BITSTRING[1]		Odd/even indicator
NatAdri	BITSTRING[7]		Nature of address indicator
spare_1	BITSTRING[1]		
NbPI	BITSTRING[3]		Numbering plan indicator
APRI	BITSTRING[2]		Address presentation restricted indicator
spare_2	BITSTRING[2]		
AdSg	HEXSTRING		Address signals
Filler	HEXSTRING[0..1]		
Detailed Comments :			

Structured Type Definition			
Type Name : origination_ISC_point_code Encoding Variation : Comments : 3.40 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
OriISC_contents	OCTETSTRING[2]		1.
Detailed Comments : 1. The contents of this parameter are not subdivided because it is not used for basic call.			

Structured Type Definition			
Type Name : parameter_compatibility_information Encoding Variation : Comments : 3.41 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
UParId_1	BITSTRING[8]		Upgraded parameter name
ExtI_1	BITSTRING[1]		Extension indicator
PassNPI_1	BITSTRING[2]		Pass on not possible indicator
DParI_1	BITSTRING[1]		Discard parameter indicator
DMsgI_1	BITSTRING[1]		Discard message indicator
SendNfI_1	BITSTRING[1]		Send notification indicator
RlsCI_1	BITSTRING[1]		Release call indicator
TransI_1	BITSTRING[1]		Transit at intermediate exchange indicator
UParId_2	BITSTRING[8]		
ExtI_2	BITSTRING[1]		
InstrI_2	BITSTRING[7]		all instruction indicators for parameter 2
UParId_3	BITSTRING[8]		
ExtI_3	BITSTRING[1]		
InstrI_3	BITSTRING[7]		all instruction indicators for parameter 3
UParId_4	BITSTRING[8]		
ExtI_4	BITSTRING[1]		
InstrI_4	BITSTRING[7]		all instruction indicators for parameter 4
UParId_5	BITSTRING[8]		
ExtI_5	BITSTRING[1]		
InstrI_5	BITSTRING[7]		all instruction indicators for parameter 5
Detailed Comments :			

Structured Type Definition			
Type Name : propagation_delay_counter Encoding Variation : Comments : 3.42 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
PDC_field	OCTETSTRING[2]		Propagation delay value
Detailed Comments :			

Structured Type Definition			
Type Name : redirecting_number Encoding Variation : Comments : 3.44 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
OdEvI	BITSTRING[1]		Odd/even indicator
NatAdri	BITSTRING[7]		Nature of address indicator
spare_1	BITSTRING[1]		
NbPI	BITSTRING[3]		Numbering plan indicator
APRI	BITSTRING[2]		Address presentation restricted indicator
spare_2	BITSTRING[2]		
AdSg	HEXSTRING		Address signal
Filler	HEXSTRING[0..1]		
Detailed Comments : 1. The contents of this parameter are not subdivided because it is not used for basic call.			

Structured Type Definition			
Type Name : redirection_number Encoding Variation : Comments : 3.46 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
OdEvI	BITSTRING[1]		Odd/even indicator
NatAdri	BITSTRING[7]		Nature of address indicator
INTwNbI	BITSTRING[1]		Internal network number indicator
NbPI	BITSTRING[3]		Numbering plan indicator
spare	BITSTRING[4]		spare bits
AdSg	HEXSTRING		Address signal
Filler	HEXSTRING[0..1]		
Detailed Comments :			

Structured Type Definition			
Type Name : redirection_number_restriction Encoding Variation : Comments : 3.47 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
RnNbRes_contents	OCTETSTRING[1]		1.
Detailed Comments : 1. The contents of this parameter are not subdivided because it is not used for basic call.			

Structured Type Definition			
Type Name : redirection_information			
Encoding Variation :			
Comments : 3.45 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
OriRnReas	BITSTRING[4]		Original redirection reason
spare_1	BITSTRING[1]		
RgIc	BITSTRING[3]		Redirecting indicator
RgReas	BITSTRING[4]		Redirecting reason
spare_2	BITSTRING[1]		
RnCn	BITSTRING[3]		Redirection counter
Detailed Comments : 1. The contents of this parameter are not subdivided because it is not used for basic call.			

Structured Type Definition			
Type Name : remote_operations			
Encoding Variation :			
Comments : 3.48 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
RemOp_contents	OCTETSTRING		1.
Detailed Comments : 1. The contents of this parameter are not subdivided because it is for national use only.			

Structured Type Definition			
Type Name : routing_label			
Encoding Variation :			
Comments :			
Element Name	Type Definition	Field Encoding	Comments
DestPC	BITSTRING[14]		Destination point code
OrigPC	BITSTRING[14]		Origination point code
SLSel	BITSTRING[4]		Signalling link selection
Detailed Comments :			

Structured Type Definition			
Type Name : service_activation Encoding Variation : Comments : 3.49 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
ServAct_contents	OCTETSTRING		1.
Detailed Comments : 1. The contents of this parameter are not subdivided because it is for national use only.			

Structured Type Definition			
Type Name : service_information_octet Encoding Variation : Comments :			
Element Name	Type Definition	Field Encoding	Comments
NI	BITSTRING[2]		Network indicator '00'B for the international network
spare	BITSTRING[2]		spare '00'B
SIO	BITSTRING[4]		User part identification '5'H for ISUP
Detailed Comments :			

Structured Type Definition			
Type Name : signalling_point_code Encoding Variation : Comments : 3.50 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
SPC_contents	OCTETSTRING[2]		1.
Detailed Comments : 1. The contents of this parameter are not subdivided because it is for national use only.			

Structured Type Definition			
Type Name : transmission_medium_used Encoding Variation : Comments : 3.56 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
TMU_field	OCTETSTRING[1]		
Detailed Comments :			

Structured Type Definition			
Type Name : transmission_medium_requirement_prime			
Encoding Variation :			
Comments : 3.55 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
TMRp_field	OCTETSTRING[1]		
Detailed Comments :			

Structured Type Definition			
Type Name : transit_network_selection			
Encoding Variation :			
Comments : 3.53 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
TNtwSel_contents	OCTETSTRING		1.
Detailed Comments : 1. The contents of this parameter are not subdivided because it is for national use only.			

Structured Type Definition			
Type Name : unknown_parameter			
Encoding Variation :			
Comments :			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
unkn_par_contents	OCTETSTRING[1]		
Detailed Comments :			

Structured Type Definition			
Type Name : user_service_information			
Encoding Variation :			
Comments : 3.57 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
usi_id (Identifier)	BITSTRING[8]		
usi_l (Length)	OCTETSTRING[1]		
usi_value (All the other values)	OCTETSTRING[0..9]		
Detailed Comments :			

Structured Type Definition			
Type Name : user_service_information_prime			
Encoding Variation :			
Comments : 3.58 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
usip_l	OCTETSTRING[1]		
usip_value	OCTETSTRING[0..10]		
Detailed Comments :			

Structured Type Definition			
Type Name : user_teleservice_information			
Encoding Variation :			
Comments : 3.59 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
value	OCTETSTRING		value present
Detailed Comments :			

Structured Type Definition			
Type Name : user_to_user_indicators			
Encoding Variation :			
Comments : 3.60 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
NtwDI	BITSTRING[1]		Network discard indicator (spare if Type = request)
Serv3	BITSTRING[2]		Service 3
Serv2	BITSTRING[2]		Service 2
Serv1	BITSTRING[2]		Service 1
Type	BITSTRING[1]		
Detailed Comments :			

Structured Type Definition			
Type Name : user_to_user_information			
Encoding Variation :			
Comments : 3.61 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
UUInf_contents	OCTETSTRING		
Detailed Comments :			

Structured Type Definition			
Type Name : national_parameter			
Encoding Variation :			
Comments :			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BITSTRING[8]		
length	OCTETSTRING[1]		
nat_par_contents	OCTETSTRING		
Detailed Comments :			

Structured Type Definition			
Type Name : BCAP (Bearer capability)			
Encoding Variation :			
Comments : Info Element Bearer CAPability ETS 300 403-1 subclause 4.5.5			
Element Name	Type Definition	Field Encoding	Comments
bcap_i (Identifier)	BCAP_I		
bcap_l (Length)	OCTETSTRING[1]		
bcap_con (Contents)	OCTETSTRING[0..10]		
Detailed Comments :			

Structured Type Definition			
Type Name : CAU (Cause)			
Encoding Variation :			
Comments : Info Element CAUse ETS 300 403-1 subclause 4.5.12			
Element Name	Type Definition	Field Encoding	Comments
cau_i (Identifier)	CAU_I		
cau_l (Length)	BITSTRING[8]		
cau_e3_eb (Extension bit)	BITSTRING[1]		
cau_e3_cs (Coding standard)	BITSTRING[3]		
cau_e3_loc (Location)	BITSTRING[4]		
cau_e4_rec (Recommendation)	OCTETSTRING[0..1]		
cau_e5_eb (Extension bit)	BITSTRING[1]		
cau_e5_cv (Cause value)	BITSTRING[7]		
cau_di (Diagnostics)	OCTETSTRING[0..28]		
Detailed Comments :			

Structured Type Definition			
Type Name : CDPN (Called party number) Encoding Variation : Comments : Information Element Called Party Number ETS 300 403-1 subclause 4.5.8			
Element Name	Type Definition	Field Encoding	Comments
cdpn_i (Identifier)	CDPN_I		
cdpn_l (Length)	OCTETSTRING[1]		
cdpn_e3_npi (Type of number, Numbering plan identification)	OCTETSTRING[1]		
cdpn_e4_nd (Number digits)	OCTETSTRING[1..20]		
Detailed Comments :			

Structured Type Definition			
Type Name : CDPS (Called party subaddress) Encoding Variation : Comments : Information Element Called Party Subaddress ETS 300 403-1 subclause 4.5.9			
Element Name	Type Definition	Field Encoding	Comments
cdps_i (Identifier)	CDPS_I		
cdps_l (Length)	OCTETSTRING[1]		
cdps_e3_tos (Type of subaddress, Odd/even indicator)	OCTETSTRING[1]		
cdps_e4_si (Subaddress information)	OCTETSTRING[1..20]		
Detailed Comments :			

Structured Type Definition			
Type Name : CGPN (Calling party number) Encoding Variation : Comments : Information Element Calling Party Number ETS 300 403-1 subclause 4.5.10			
Element Name	Type Definition	Field Encoding	Comments
cgpn_i (Identifier)	CGPN_I		
cgpn_l (Length)	OCTETSTRING[1]		
cgpn_v (Value)	OCTETSTRING		
Detailed Comments :			

Structured Type Definition			
Type Name : CGPS (Calling party subaddress) Encoding Variation : Comments : Information Element CallinG Party Subaddress ETS 300 403-1 subclause 4.5.11			
Element Name	Type Definition	Field Encoding	Comments
cgps_i (Identifier)	CGPS_I		Identifier
cgps_l (Length)	OCTETSTRING[1]		Length
cgps_e3_tos (Type of subaddress)	BITSTRING[4]		
cgps_e3_oei (Odd/even indicator)	BITSTRING[1]		
cgps_e3_sp (Spare)	BITSTRING[3]		
cgps_e4_si (Subaddress information)	OCTETSTRING[1 TO 20]		
Detailed Comments :			

Structured Type Definition			
Type Name : CHI (Channel identification) Encoding Variation : Comments : Information Element CHannel Identification ETS 300 403-1 subclause 4.5.13			
Element Name	Type Definition	Field Encoding	Comments
chi_i (Identifier)	CHI_I		
chi_l (Length)	BITSTRING[8]		
chi_e3_eb (Extension bit)	BITSTRING[1]		
chi_e3_int (Interface identifier present, interface type, preferred/exclusive)	BITSTRING[5]		
chi_e3_cs (Channel selection)	BITSTRING[2]		
chi_e4_csct (Coding standard, number bit, channel type)	BITSTRING[8]		(1)
chi_e5_eb (Extension bit)	BITSTRING[1]		(1)
chi_e5_cn (Channel number)	BITSTRING[7]		(1)
Detailed Comments : (1) The octets 4 and 5 are only used in primary rate access configurations.			

Structured Type Definition			
Type Name : CHI_RS (Channel identification) Encoding Variation : Comments : Information Element CHannel Identification ETS 300 403-1 subclause 4.5.13 This special Channel identification information element type is used to handle restart procedures.			
Element Name	Type Definition	Field Encoding	Comments
chi_i (Identifier)	CHI_I		
chi_l (Length)	BITSTRING[8]		
chi_e3_eb (Extension bit)	BITSTRING[1]		
chi_e3_int ((Interface identifier present, interface type, preferred/exclusive)	BITSTRING[5]		
chi_e3_cs (Channel selection)	BITSTRING[2]		
chi_e4_csct (Coding standard, number bit, channel type)	BITSTRING[8]		(1)
chi_e5_eb (Extension bit)	BITSTRING[1]		(1)
chi_e5_cn (Channel number)	BITSTRING[7]		(1)
chi_e6_eb (Extension bit)	BITSTRING[1]		(1) (2)
chi_e6_cn (Channel number)	BITSTRING[7]		(1) (2)
chi_cn (Channel number)	OCTETSTRING[1..30]		(1) (2)
Detailed Comments : (1) The octets following octet 3 only used in primary rate access configurations. (2) Additional coding variants can be used to test the restart procedures.			

Structured Type Definition			
Type Name : CODN (Connected number) Encoding Variation : Comments : Information Element COnnected Number ETS 300 097-1 subclause 7.1			
Element Name	Type Definition	Field Encoding	Comments
codn_i (Identifier)	CODN_I		
codn_l (Length)	OCTETSTRING[1]		
codn_e3_ton (Type of number)	BITSTRING[4]		
codn_e3_npi (Numbering plan identifier)	BITSTRING[4]		
codn_e3_pi (Presentation indicator)	BITSTRING[3]		
codn_e3_si (Screening indicator)	BITSTRING[5]		
codn_e4_nd (Number digits)	OCTETSTRING[0..20]		
Detailed Comments :			

Structured Type Definition			
Type Name : CODS (Connected subaddress) Encoding Variation : Comments : Information Element Connected Subaddress ETS 300 097-1 subclause 7.2			
Element Name	Type Definition	Field Encoding	Comments
cods_i (Identifier) cods_l (Length) cods_e3_tos (Type of subaddress) cods_e3_oei (Odd/even indicator) cods_e3_sp (Spare) cods_e4_si (Subaddress information)	CODS_I OCTETSTRING[1] BITSTRING[4] BITSTRING[1] BITSTRING[3] OCTETSTRING[1..20]		
Detailed Comments :			

Structured Type Definition			
Type Name : CR (Call reference) Encoding Variation : Comments : Call Reference ETS 300 403-1 subclause 4.3			
Element Name	Type Definition	Field Encoding	Comments
cr_l1 (Length, bits 8 - 5) cr_l2 (Length, bits 4 - 1) cr_f (FLag) cr_r (Call reference value)	BITSTRING[4] CR_LENGTH_TYPE FLAG_TYPE CALL_REF_TYPE		
Detailed Comments :			

Structured Type Definition			
Type Name : DATI (Date/time) Encoding Variation : Comments : Info Element Date/Time ETS 300 403-1 subclause 4.5.15			
Element Name	Type Definition	Field Encoding	Comments
dati_i (Identifier) dati_l (Length) dati_dt (Date/time value)	DATI_I BITSTRING[8] OCTETSTRING[0..5]		
Detailed Comments :			

Structured Type Definition			
Type Name : DSP (Display) Encoding Variation : Comments : Information Element DiSPlay ETS 300 403-1 subclause 4.5.16			
Element Name	Type Definition	Field Encoding	Comments
dsp_i (Identifier)	DSP_I		
dsp_l (Length)	BITSTRING[8]		
dsp_di (Display information)	OCTETSTRING[0..80]		
Detailed Comments :			

Structured Type Definition			
Type Name : EFAC (Extended facility) Encoding Variation : Comments : Extended FACility ETS 300 196-1 subclause 11.2.2.4			
Element Name	Type Definition	Field Encoding	Comments
efac_i (Identifier)	EFAC_I		
efac_l (Length)	OCTETSTRING[2 TO 250]		
efac_e3_pp (Protocol profile)	BITSTRING[8]		
efac_comp (Components)	OCTETSTRING[0..250]		
Detailed Comments :			

Structured Type Definition			
Type Name : FAC (Facility) Encoding Variation : Comments : FACility ETS 300 196-1 subclause 11.2.2.1			
Element Name	Type Definition	Field Encoding	Comments
fac_i (Identifier)	FAC_I		
fac_l (Length)	BITSTRING[8]		
fac_e3_pp (Protocol profile)	BITSTRING[8]		
fac_comp (Components)	OCTETSTRING[0..251]		
Detailed Comments :			

Structured Type Definition			
Type Name : HLC (High layer compatibility) Encoding Variation : Comments : Info Element High Layer Compatibility ETS 300 403-1 subclause 4.5.17			
Element Name	Type Definition	Field Encoding	Comments
hlc_i (Identifier)	HLC_I		
hlc_l (Length)	OCTETSTRING[1]		
hlc_con (Contents)	OCTETSTRING[0..3]		
Detailed Comments :			

Structured Type Definition			
Type Name : KPF (Keypad facility) Encoding Variation : Comments : Information Element KeyPad Facility ETS 300 403-1 subclause 4.5.18			
Element Name	Type Definition	Field Encoding	Comments
kpf_i (Identifier)	KPF_I		
kpf_l (Length)	BITSTRING[8]		
kpf_ki (Keypad information)	OCTETSTRING[0..32]		
Detailed Comments :			

Structured Type Definition			
Type Name : LLC (Low layer compatibility) Encoding Variation : Comments : Info Element Low Layer Compatibility ETS 300 403-1 subclause 4.5.19			
Element Name	Type Definition	Field Encoding	Comments
llc_i (Identifier)	LLC_I		
llc_l (Length)	OCTETSTRING[1]		
llc_con (Contents)	OCTETSTRING[0..16]		
Detailed Comments :			

Structured Type Definition			
Type Name : PI (Progress indicator) Encoding Variation : Comments : Information Element Progress Indicator ETS 300 403-1 subclause 4.5.23			
Element Name	Type Definition	Field Encoding	Comments
pi_i (Identifier)	PI_I		
pi_l (Length)	BITSTRING[8]		
pi_e3_pre (l.ext,Coding standard,spare)	BITSTRING[4]		
pi_e3_loc (Coding standard, location)	BITSTRING[4]		
pi_e4_eb (Extension bit)	BITSTRING[1]		
pi_e4_pd (Progress description)	BITSTRING[7]		
Detailed Comments :			

Structured Type Definition			
Type Name : RI (Restart indicator) Encoding Variation : Comments : Information Element Restart Indicator ETS 300 403-1 subclause 4.5.25			
Element Name	Type Definition	Field Encoding	Comments
ri_i (Identifier)	RI_I		
ri_l (Length)	BITSTRING[8]		
ri_sp (Spare)	BITSTRING[5]		
ri_cl (Class)	BITSTRING[3]		
Detailed Comments :			

Structured Type Definition			
Type Name : NOID (Notification indicator) Encoding Variation : Comments : Information Element NOTification InDicator ETS 300 403-1 subclause 4.5.22			
Element Name	Type Definition	Field Encoding	Comments
noid_i (Identifier)	NOID_I		
noid_l (Length)	BITSTRING[8]		
noid_nd (Notification description)	OCTETSTRING[0..252]		
Detailed Comments :			

Structured Type Definition			
Type Name : NSF (Network-specific facilities) Encoding Variation : Comments : Information Element Network-Specific Facilities ETS 300 403-1 subclause 4.5.21			
Element Name	Type Definition	Field Encoding	Comments
nsf_i (Identifier) nsf_l (Length) nsf_e3_lni (Length of network identification) nsf_e4_toni (Type of network identification) nsf_e4_nip (Network identification plan) nsf_ni (Network identification) nsf_nsfs (Network-specific facility specification)	NSF_I BITSTRING[8] BITSTRING[8] BITSTRING[4] BITSTRING[4] OCTETSTRING[0..125] OCTETSTRING[0..125]		
Detailed Comments :			

Structured Type Definition			
Type Name : RNGN (Redirecting number) Encoding Variation : Comments : Info Element Redirecting Number ETS 300 207 subclause 7.2.2			
Element Name	Type Definition	Field Encoding	Comments
rngn_i (Identifier) rngn_l (Length) rngn_e3_ton (Type of number) rngn_e3_npi (Numbering plan identifier) rngn_e4_pi (Presentation indicator) rngn_e4_sp (Spare) rngn_e5_sp (Spare) rngn_e5_rfd (Reason for diversion) rngn_e6_nd (Number digits)	RNGN_I OCTETSTRING[1] BITSTRING[4] BITSTRING[4] BITSTRING[3] BITSTRING[5] BITSTRING[4] BITSTRING[4] OCTETSTRING[0 TO 20]		
Detailed Comments :			

Structured Type Definition			
Type Name : RONN (Redirection number) Encoding Variation : Comments : Info Element Redirection Number ETS 300 207-1 subclause 7.2.3			
Element Name	Type Definition	Field Encoding	Comments
ronn_i (Identifier)	RONN_I		
ronn_l (Length)	BITSTRING[8]		
ronn_e3_ton (Type of number)	BITSTRING[4]		
ronn_e3_npi (Numbering plan identifier)	BITSTRING[4]		
ronn_e4_pi (Presentation indicator)	BITSTRING[3]		
ronn_e4_sp (Spare)	BITSTRING[5]		
ronn_e5_nd (Number digits)	OCTETSTRING[0 TO 20]		
Detailed Comments :			

Structured Type Definition			
Type Name : TNS Encoding Variation : Comments : Information Element Transit Network Selection ETS 300 403-1 subclause 4.5.29			
Element Name	Type Definition	Field Encoding	Comments
tns_i (Identifier)	TNS_I		
tns_l (Length)	BITSTRING[8]		
tns_e3_toni (Type of network identification)	BITSTRING[4]		
tns_e3_nip (Network identification plan)	BITSTRING[4]		
tns_ni (Network identification)	OCTETSTRING[0..251]		
Detailed Comments :			

Structured Type Definition			
Type Name : UUI (User-user) Encoding Variation : Comments : Information Element User-user ETS 300 286-1 subclause 7.3.3			
Element Name	Type Definition	Field Encoding	Comments
uui_i (Identifier)	UUI_I		
uui_l (Length)	BITSTRING[8]		
uui_e3_pd (Protocol discriminator)	BITSTRING[8]		
uui_ui (User information)	OCTETSTRING[0..128]		
Detailed Comments :			

Test Suite Operation Definition	
Operation Name	: ASSIGN_CHI_RS(basic, primary : CHI_RS; basic_flag : BOOLEAN)
Result Type	: CHI_RS
Comments	: This operation is used to assign a correct Channel identification information element to PDUs dependant on the type of access that is tested. This operation is very similar to ASSIGN_CHI. The only difference is that the type CHI_RS is used instead of CHI.
Description	
CHI_RS ASSIGN_CHI(basic,primary,basic_flag) If the value of the basic_flag is set to TRUE, the result of the operation ASSIGN_CHI_RS will be the value represented by the parameter basic which is of type CHI_RS. Else the operation results in the value represented by the parameter primary. Examples: ASSIGN_CHI(CHI_RSb_R1, CHI_RSp_R1, TRUE) = CHI_RSb_R1 ASSIGN_CHI(CHI_RSb_R1, CHI_RSp_R1, FALSE) = CHI_RSp_R1	
Detailed Comments :	

Test Suite Operation Definition	
Operation Name	: BIT_LOHI(PARAM: BITSTRING)
Result Type	: BITSTRING
Comments	:
Description	
This operation forces the compiler to send BITSTRING with length greater than 8 from lowest to highest bit	
Detailed Comments :	

Test Suite Operation Definition	
Operation Name	: OCTET_TO_INT(param:OCTETSTRING)
Result Type	: INTEGER
Comments	:
Description	
Convert an OCTETSTRING into an INTEGER	
Detailed Comments :	

Test Suite Operation Definition	
Operation Name	: INT_TO_OCTET(param1, param2: INTEGER)
Result Type	: OCTETSTRING
Comments	:
Description	
Convert an INTEGER into an OCTETSTRING[PARAM2]	
Detailed Comments :	

Test Suite Operation Definition	
Operation Name	: TSO_compute_opt_ptr
Result Type	: OCTETSTRING
Comments	: Computes the pointer to the optional part of a message.
Description	
<pre>{ if(opt_pars_present) return(INT_TO_OCT(length_of_var_pars() + 1)); else return(INT_TO_OCT(0)); }</pre>	
Detailed Comments :	

Test Suite Parameter Declarations			
Parameter Name	Type	PICS/PIXIT Ref	Comments
PXP_AUTO_ACM	BOOLEAN	PIXIT	True if the SUT support the ISUP automatic ACM
PC_BASIC	BOOLEAN	PICS	TRUE -> basic access FALSE -> primary rate access
PC_ENBLOC	BOOLEAN	PICS, Table A.62/MCn 2.1	TRUE if the SUT supports the ISDN connection type enbloc.
PX_CH_NUM	INTEGER	PIXIT	Preferred channel number (Integer) Possible value: Basic access 1 .. 2 Primary rate access 1 .. 30.
PX_CR_LENGTH	CR_LENGTH_TY PE	PIXIT	Value for bits 4 - 1 of the call reference length, Bitstring[4]
PX_LLCL	OCTETSTRING	PIXIT Q931/4.5.19	Length of the Low layer compatibility information element to be sent to the (OCTETSTRING[1]).
PX_LLCV	OCTETSTRING	PIXIT Q931/4.5.19	Contents (octet3 onwards) of the invalid Low layer compatibility information element to be sent to the IUT
PX_L2_INIT	BOOLEAN	PIXIT, Table	True if it is needed to init the layer 2 at the beginning of each test case.
PX_PI_PD	INTEGER	PIXIT Table Q931/4.5.23	Progress description(octet 4) of the Progress Indicator Information element (integer)
PX_TAC	INTEGER	PIXIT	Value for timer that controls test events initiated by stimuli sent by the tester. (Value in seconds)
PX_TNOAC	INTEGER	PIXIT	Value for timer that controls the inactivity of the IUT. (Value in seconds)
PX_T_RESTART	INTEGER	PIXIT	Value for timer that is used to wait for RESTART messages. (Value in seconds)
PX_TWAIT	INTEGER	PIXIT	Value for timer that controls test events initiated at the IUT via a PTC or by the test operator. (Value in seconds)
PX_WAIT_RESTART	BOOLEAN	PIXIT	TRUE, if the IUT sends RESTART messages after re-establishment of the multiple frame operation
PXP_CDPNL_ST_S	OCTETSTRING	PIXIT Q763/3.9	Length of the ISUP CDPN containing the complete address number and the end of pulsing signal 'ST' (OCTETSTRING[1])
PXP_CDPNV_ST_S	OCTETSTRING	PIXIT Q763/3.9	Value of the ISUP CDPN containing the complete address number and the end of pulsing signal 'ST' (OCTETSTRING)
PXP_CGPG	BITSTRING	PIXIT Q763/3.11	Calling party's category field value
PXP_CIC_R	BITSTRING	PIXIT Q763/1.2	SS No. 7 Circuit identification code o the ISUP interface (BITSTRING[12])
PXP_CIC_S	BITSTRING	PIXIT Q763/1.2	SS No. 7 Circuit Identification Code(BITSTRING[12])
PXP_EE_METHOD	BITSTRING	PIXIT Q763/3.23	FCI End-to-End method available
PXP_EE_INFO_IND	BITSTRING	PIXIT Q763/3.23	FCI End-to-End information indicator
PXP_NI_CALL_IND	BITSTRING	PIXIT Q763/3.23	FCI National/International call indicator
PXP_NI_R	BITSTRING	PIXIT Table	SS No. 7 Network indicator on the ISUP interface (BITSTRING[2])
PXP_SCCP_IND	BITSTRING	PIXIT Q763/3.23	FCI SCCP method indicator
PXP_SLS	BITSTRING	PIXIT Table	SS No. 7 Signalling link selection on the ISUP interface (BITSTRING[4])
PXP_SP_IUT	INTEGER	PIXIT Table	SS No. 7 Signalling point code of the SUT on the ISUP interface (BITSTRING[14])
PXP_SP_TISUP	INTEGER	PIXIT Table	SS No. 7 Signalling point code of the tester on the ISUP interface (bitstring[14])
PXP_T_GUARD	INTEGER	PIXIT Table	Guard timer for the test case (min 30 s)

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Test Suite Parameter Declarations			
Parameter Name	Type	PICS/PIXIT Ref	Comments
PXP_TMR	OCTETSTRING	PIXIT Table	Content of the Transmission Medium Requirement(OCTETSTRING[1])
Detailed Comments :			

Test Case Selection Expression Definitions		
Expression Name	Selection Expression	Comments
AUTO_ACM	PXP_AUTO_ACM	ISDN: IUT support the ISUP automatic sending ACM
NOT_AUTO_ACM	NOT PXP_AUTO_ACM	ISDN: IUT does not support the ISUP automatic sending ACM
Detailed Comments :		

Test Suite Constant Declarations			
Constant Name	Type	Value	Comments
ID_CAU	BITSTRING	'00001000'B	Cause
ID_CHI	BITSTRING	'00011000'B	Channel identification
ID_LLC	BITSTRING	'01111100'B	Low layer compatibilty
ID_NOID	BITSTRING	'00100111'B	Notification indicator
ID_PI	BITSTRING	'00011110'B	Progress
ID_RI	BITSTRING	'01111001'B	Restart indicator
MT_ALERTING	BITSTRING	'00000001'B	
MT_ANM	BITSTRING	'00001001'B	
MT_CALL_PROC	BITSTRING	'00000010'B	
MT_CONNECT	BITSTRING	'00000111'B	
MT_CONNECT_ACK	BITSTRING	'00001111'B	
MT_CPG	BITSTRING	'00101100'B	
MT_DISCONNECT	BITSTRING	'01000101'B	
MT_INFORMATION	BITSTRING	'01111011'B	
MT_NOTIFY	BITSTRING	'01101110'B	
MT_PROGRESS	BITSTRING	'00000011'B	
MT_RELEASE	BITSTRING	'01001101'B	
MT_RELEASE_COM	BITSTRING	'01011010'B	
MT_RESTART	BITSTRING	'01000110'B	
MT_RESTART_ACK	BITSTRING	'01001110'B	
MT_SETUP	BITSTRING	'00000101'B	
MT_STATUS_ENQ	BITSTRING	'01110101'B	
MT_ACM	BITSTRING	'00000110'B	
MT_IAM	BITSTRING	'00000001'B	
MT_REL	BITSTRING	'00001100'B	
MT_RLC	BITSTRING	'00010000'B	
MT_RSC	BITSTRING	'00010010'B	
PROTOCOL_DISCRIMINATOR_Q931	BITSTRING	'00001000'B	(1)

Detailed Comments :

Test Case Variable Declarations			
Variable Name	Type	Value	Comments
B_CHN	BITSTRING		B-channel for call
B_CHN_RS	OCTETSTRING		B-channel for restart procedures
CHI_LENGTH	BITSTRING	'00000011'B	Length of Channel identification
CIC_VAL	BITSTRING	EXP_CIC_R	received CIC storage
CREF	CALL_REF_TYPE		Call reference value
GLOB_CREF	CALL_REF_TYPE		Global call reference value
Detailed Comments :			

PCO Type Declarations		
PCO Type	Role	Comments
SAP	LT	
ISUP_PCO	LT	
Detailed Comments :		

PCO Declarations			
PCO Name	PCO Type	Role	Comments
L1	SAP	LT	PCO for PTCN1 (ISDN)
L2	ISUP_PCO	LT	PCO for PTCP (ISUP)
L3	SAP	LT	PCO for PTCN2 (ISDN)
Detailed Comments :			

Coordination Point Declarations	
CP Name	Comments
CPA1	CP: MTCA - PTCN1
CPA2	CP: MTCA - PTCN2
CPA3	CP: MTCA - PTCP
Detailed Comments :	

Timer Declarations			
Timer Name	Duration	Unit	Comments
TAC	PX_TAC	s	(2)
T_GUARD	PXP_T_GUARD	s	Guard timer for default step to prevent hanging of a test case
TNOAC	PX_TNOAC	s	(3)
T_RESTART	PX_T_RESTART	s	(4)
TWAIT	PX_TWAIT	s	(1)
Detailed Comments :			

Test Component Declarations				
Component Name	Component Role	Nr PCOs	Nr CPs	Comments
MTCA	MTC	0	3	main test component
PTC1	PTC	1	1	1st parallel test component (ISDN)
PTC2	PTC	1	1	2nd parallel test component (ISDN)
PTC3	PTC	1	1	3rd parallel test component (ISUP)
Detailed Comments :				

Test Components Configuration Declaration			
Configuration Name : CONFIG1			
Comments :			
Components Used	PCOs Used	CPs Used	Comments
MTCA		CPA1 , CPA2 , CPA3	
PTC1	L1	CPA1	
PTC2	L2	CPA2	
PTC3	L3	CPA3	
Detailed Comments :			

ASP Type Definition		
ASP Name : DL_DAT_IN (DL-DATA-INDICATION) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) This ASP is used to indicate the receipt of layer 3 PDUs using acknowledged operation (L2 ----> L3).		
Parameter Name	Parameter Type	Comments
mun (Message unit)	PDU	Network layer (peer-to-peer message) PDU.
Detailed Comments :		

ASP Type Definition		
ASP Name : DL_DAT_IN_RESTART (DL-DATA-INDICATION) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) This ASP is used to indicate the receipt of RESTART PDUs using acknowledged operation (L2 ----> L3).		
Parameter Name	Parameter Type	Comments
mun (Message unit)	RESTART_PDU	Network layer (peer-to-peer message) PDU.
Detailed Comments :		

ASP Type Definition		
ASP Name : DL_DAT_RQ (DL-DATA-REQUEST) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) This ASP is used to request the transmission of layer 3 PDUs using acknowledged operation (L3 ----> L2).		
Parameter Name	Parameter Type	Comments
mun (Message unit)	PDU	Network layer (peer-to-peer message) PDU.
Detailed Comments :		

ASP Type Definition		
ASP Name : DL_EST_CO (DL-ESTABLISH-CONFIRM) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) This ASP is used to confirm the establishment of multiple frame operation (L2 ----> L3).		
Parameter Name	Parameter Type	Comments
Detailed Comments :		

ASP Type Definition		
ASP Name : DL_EST_IN (DL-ESTABLISH-INDICATION) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) This ASP is used to indicate the establishment of multiple frame operation (L2 ---> L3).		
Parameter Name	Parameter Type	Comments
Detailed Comments :		

ASP Type Definition		
ASP Name : DL_EST_RQ (DL-ESTABLISH-REQUEST) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) This ASP is used to request the establishment of multiple frame operation (L3 ---> L2).		
Parameter Name	Parameter Type	Comments
Detailed Comments :		

ASP Type Definition		
ASP Name : DL_REL_CO (DL-RELEASE-CONFIRM) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) This ASP is used to confirm the termination of an established multiple frame operation (L2 ---> L3).		
Parameter Name	Parameter Type	Comments
Detailed Comments :		

ASP Type Definition		
ASP Name : DL_REL_IN (DL-RELEASE-INDICATION) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) This ASP is used to confirm the termination of an established multiple frame operation or to report an unsuccessful establishment attempt (L2 ---> L3).		
Parameter Name	Parameter Type	Comments
Detailed Comments :		

ASP Type Definition		
ASP Name : DL_REL_RQ (DL-RELEASE-REQUEST) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) This ASP is used to request the termination of an established multiple frame operation (L3 ---> L2).		
Parameter Name	Parameter Type	Comments
Detailed Comments :		

ASP Type Definition		
ASP Name : DL_UDAT_IN_SETUP (DL-UNIT-DATA-INDICATION) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) This ASP is used to indicate the receipt of SETUP PDUs using unacknowledged operation (L2 ---> L3).		
Parameter Name	Parameter Type	Comments
mun (Message unit)	SETUP_PDU	Network layer (peer-to-peer message) PDU.
Detailed Comments :		

ASP Type Definition		
ASP Name : IAM_IND (MTP_TRANSFER_Indication) PCO Type : ISUP_PCO Comments : MTP ASP for receiving ISUP IAM messages		
Parameter Name	Parameter Type	Comments
SIO isup_pdu	service_information_octet IAM_PDU_R	ISDN User Part ISUP signalling message
Detailed Comments :		

ASP Type Definition		
ASP Name : TRANSFER_IND (MTP_TRANSFER_Indication) PCO Type : ISUP_PCO Comments : MTP ASP for receiving ISUP messages		
Parameter Name	Parameter Type	Comments
SIO isup_pdu	service_information_octet PDU	ISDN User Part ISUP signalling message
Detailed Comments :		

ASP Type Definition		
ASP Name : TRANSFER_REQ (MTP_TRANSFER_Request)		
PCO Type : ISUP_PCO		
Comments : MTP ASP for sending ISUP messages		
Parameter Name	Parameter Type	Comments
SIO	service_information_octet	ISDN User Part
isup_pdu	PDU	ISUP signalling message
Detailed Comments :		

PDU Type Definition			
PDU Name : ACM_PDU PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Address complete (TABLE 21 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
RoutingLbl	routing_label		m
CICode	circuit_identification_code		m
MType	message_type		m
BCI	backward_call_indicators		m
opt_part_ptr	pointer		m
OBCI	optional_backward_call_indicators		o
CRef	call_reference		o @
Cause	cause_indicators		o
UUInd	user_to_user_indicators		o
UUInf	user_to_user_information		o
ATP	access_transport		o
GenNot	generic_notification_indicator		o 1.
TMU	transmission_medium_used		o
EchoInf	echo_control_information		o
ADInf	access_delivery_information		o
RnNb	redirection_number		o
ParCmp	parameter_compatibility_information		o
CDInf	call_diversion_information		o
NtwFac	network_specific_facility		o @
RemOp	remote_operations		o @
ServAct	service_activation		o @
RnNbRes	redirection_number_restriction		
CCNRPos	ccnr_possible_indicator		o
NatPar	national_parameter		o @
EndOP	end_of_opt_param_ind		o
Detailed Comments : 1. This parameter could be included several times. @ For national use only Note: The order of the optional parameters (o) can be arbitrary.			

PDU Type Definition			
PDU Name : ANM_PDU PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Answer (TABLE 22 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
RoutingLbl	routing_label	m	
CICode	circuit_identification_code	m	
MType	message_type	m	
opt_part_ptr	pointer	m	
BCI	backward_call_indicators	o	
OBCI	optional_backward_call_indicators	o	
CRef	call_reference	o @	
UUInd	user_to_user_indicators	o	
UUInf	user_to_user_information	o	
ConNb	connected_number	o	
ATP	access_transport	o	
ADInf	access_delivery_information	o	
GenNot	generic_notification_indicator	o 1.	
ParCmp	parameter_compatibility_information	o	
CHInf	call_history_information	o	
GenNb	generic_number	o 1.	
TMU	transmission_medium_used	o	
NtwFac	network_specific_facility	o @	
RemOp	remote_operations	o @	
RnNb	redirection_number	o	
ServAct	service_activation	o @	
EchoInf	echo_control_information	o	
RnNbRes	redirection_number_restriction	o	
NatPar	national_parameter	o @	
EndOP	end_of_opt_param_ind	o	
Detailed Comments : 1. This parameter could be repeated. @ For national use only Note: The order of the optional parameters (o) can be arbitrary.			

PDU Type Definition			
PDU Name : ANM_PDU1 PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Answer (TABLE 22 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
RoutingLbl	routing_label	m	
CICode	circuit_identification_code	m	
MType	message_type	m	
opt_part_ptr	pointer	m	
BCI	backward_call_indicators	o	
OBCI	optional_backward_call_indicators	o	
CRef	call_reference	o @	
UUInd	user_to_user_indicators	o	
UUInf	user_to_user_information	o	
ConNb	connected_number	o	
ATP_PI	access_transport1	o	
ATP_LLC	access_transport2	o	
ADInf	access_delivery_information	o	
GenNot	generic_notification_indicator	o 1.	
ParCmp	parameter_compatibility_information	o	
CHInf	call_history_information	o	
GenNb	generic_number	o 1.	
TMU	transmission_medium_used	o	
NtwFac	network_specific_facility	o @	
RemOp	remote_operations	o @	
RnNb	redirection_number	o	
ServAct	service_activation	o @	
EchoInf	echo_control_information	o	
RnNbRes	redirection_number_restriction	o	
NatPar	national_parameter	o @	
EndOP	end_of_opt_param_ind	o	
Detailed Comments : 1. This parameter could be repeated. @ For national use only Note: The order of the optional parameters (o) can be arbitrary.			

PDU Type Definition			
PDU Name : IAM_PDU_R PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Initial address message (TABLE 32 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
RoutingLbl	routing_label	m	
CICode	circuit_identification_code	m	
MType	message_type	m	
NatCon	nature_of_connection_indicators	m	
FCI	forward_call_indicators	m	
CgPC	calling_partys_category	m	
TMR	transmission_medium_requirement	m	
var_part_ptr	pointer	m	
opt_part_ptr	pointer	m	
CdPN	called_party_number_R	v	
TNtwSel	transit_network_selection	o @	
CRef	call_reference	o @	
CgPN	calling_party_number	o	
OFCI	optional_forward_call_indicators	o	
RgNb	redirecting_number	o	
RnInf	redirection_information	o	
CUGIC	closed_user_group_interlock_code	o	
ConRq	connection_request	o	
OriCdNb	original_called_number	o	
UUInf	user_to_user_information	o	
ATP	access_transport	o	
USI	user_service_information	o	
UUInd	user_to_user_indicators	o	
GenNb	generic_number	o 1.	
PDC	propagation_delay_counter	o	
USIp	user_service_information_prime	o	
NtwFac	network_specific_facility	o @	
GenDig	generic_digits	o @ 1.	
OriISC	origination_ISC_point_code	o	
UTI	user_teleservice_information	o	
RemOp	remote_operations	o @	
ParCmp	parameter_compatibility_information	o	
GenNot	generic_notification_indicator	o 1.	
ServAct	service_activation	o @	
GenRef	generic_reference	o	
MLPPpre	MLPP_precedence	o	
TMRp	transmission_medium_requirement_prime	o	
LocNb	location_number	o	
CCSScall	ccss_call_indicator		
NatPar	national_parameter		
Unknown	unknown_parameter	o	
EndOP	end_of_opt_param_ind	o	
Detailed Comments : 1. This parameter could be included several times. @ For national use only Note: The order of the optional parameters (o) can be arbitrary.			

PDU Type Definition			
PDU Name : IAM_PDU_S PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Initial address message (TABLE 32 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
RoutingLbl	routing_label		m
CICode	circuit_identification_code		m
MType	message_type		m
NatCon	nature_of_connection_indicators		m
FCI	forward_call_indicators		m
CgPC	calling_partys_category		m
TMR	transmission_medium_requirement		m
var_part_ptr	pointer		m
opt_part_ptr	pointer		m
CdPN	called_party_number_S		v
TNtwSel	transit_network_selection		o @
CRef	call_reference		o @
CgPN	calling_party_number		o
OFCI	optional_forward_call_indicators		o
RgNb	redirecting_number		o
RnInf	redirection_information		o
CUGIC	closed_user_group_interlock_code		o
ConRq	connection_request		o
OriCdNb	original_called_number		o
UUInf	user_to_user_information		o
ATP	access_transport		o
USI	user_service_information		o
UUInd	user_to_user_indicators		o
GenNb	generic_number		o 1.
PDC	propagation_delay_counter		o
USIp	user_service_information_prime		o
NtwFac	network_specific_facility		o @
GenDig	generic_digits		o @ 1.
OriISC	origination_ISC_point_code		o
UTI	user_teleservice_information		o
RemOp	remote_operations		o @
ParCmp	parameter_compatibility_information		o
GenNot	generic_notification_indicator		o 1.
ServAct	service_activation		o @
GenRef	generic_reference		o
MLPPpre	MLPP_precedence		o
TMRp	transmission_medium_requirement_prime		o
LocNb	location_number		o
CCSScall	ccss_call_indicator		
Unknown	unknown_parameter		o
EndOP	end_of_opt_param_ind		o
Detailed Comments : 1. This parameter could be included several times. @ For national use only Note: The order of the optional parameters (o) can be arbitrary.			

PDU Type Definition			
PDU Name : CPG_PDU PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Call progress (TABLE 23 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
RoutingLbl	routing_label	m	
CICode	circuit_identification_code	m	
MType	message_type	m	
EvInf	event_information	m	
opt_part_ptr	pointer	m	
Cause	cause_indicators	o	
CRef	call_reference	o @	
BCI	backward_call_indicators	o	
OBCI	optional_backward_call_indicators	o	
ATP	access_transport	o	
UUInd	user_to_user_indicators	o	
RnNb	redirection_number	o	
UUInf	user_to_user_information	o	
GenNot	generic_notification_indicator	o 1.	
NtwFac	network_specific_facility	o @	
RemOp	remote_operations	o @	
TMU	transmission_medium_used	o	
ADInf	access_delivery_information	o	
ParCmp	parameter_compatibility_information	o	
CDInf	call_diversion_information	o	
ServAct	service_activation	o @	
RnNbRes	redirection_number_restriction	o	
CCNRPos	ccnr_possible_indicator	o	
NatPar	national_parameter	o @	
Unknown	unknown_parameter	o	
EndOP	end_of_opt_param_ind	o	
Detailed Comments : 1. This parameter could be repeatet. @ For national use only Note: The order of the optional parameters (o) can be arbitrary.			

PDU Type Definition			
PDU Name : CPG_PDU1 PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Call progress (TABLE 23 / Q.763) with ATP containing a bearer capability			
Field Name	Field Type	Field Encoding	Comments
RoutingLbl	routing_label		m
CICode	circuit_identification_code		m
MType	message_type		m
EvInf	event_information		m
opt_part_ptr	pointer		m
Cause	cause_indicators		o
CRef	call_reference		o @
BCI	backward_call_indicators		o
OBCI	optional_backward_call_indicators		o
ATP_PI	access_transport1		o
ATP_LLC	access_transport2		o
UUInd	user_to_user_indicators		o
RnNb	redirection_number		o
UUInf	user_to_user_information		o
GenNot	generic_notification_indicator		o 1.
NtwFac	network_specific_facility		o @
RemOp	remote_operations		o @
TMU	transmission_medium_used		o
ADInf	access_delivery_information		o
ParCmp	parameter_compatibility_information		o
CDInf	call_diversion_information		o
ServAct	service_activation		o @
RnNbRes	redirection_number_restriction		o
CCNRPos	ccnr_possible_indicator		o
NatPar	national_parameter		o @
Unknown	unknown_parameter		o
EndOP	end_of_opt_param_ind		o
Detailed Comments : 1. This parameter could be repeatet. @ For national use only Note: The order of the optional parameters (o) can be arbitrary.			

PDU Type Definition			
PDU Name : REL_PDU PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Release (TABLE 33 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
RoutingLbl	routing_label		m
CICode	circuit_identification_code		m
MType	message_type		m
var_part_ptr	pointer		m
opt_part_ptr	pointer		m
Cause	cause_indicators		v
RnInf	redirection_information		o @
RnNb	redirection_number		o @
ATP	access_transport		o
ATP_PI	access_transport1		o
SPC	signalling_point_code		o @
UUInf	user_to_user_information		o
ACL	automatic_congestion_level		o
NtwFac	network_specific_facility		o @
ADInf	access_delivery_information		o
ParCmp	parameter_compatibility_infor- mation		o
RnNbRes	redirection_number_restrict- ion		o
UUInd	user_to_user_indicators		o
NatPar	national_parameter		o @
Unknown	unknown_parameter		o
EndOP	end_of_opt_param_ind		o
Detailed Comments : @ For national use only Note: The order of the optional parameters (o) can be arbitrary.			

PDU Type Definition			
PDU Name : RLC_PDU PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Release complete (TABLE 34 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
RoutingLbl	routing_label		m
CICode	circuit_identification_code		m
MType	message_type		m
opt_part_ptr	pointer		m
Cause	cause_indicators		o
Unknown	unknown_parameter		o
EndOP	end_of_opt_param_ind		o
Detailed Comments :			

PDU Type Definition			
PDU Name : RSC_PDU PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : reset circuit (TABLE 39 / Q.763)			
Field Name	Field Type	Field Encoding	Comments
RoutingLbl	routing_label		m
CICode	circuit_identification_code		m
MType	message_type		m
Detailed Comments :			

PDU Type Definition			
PDU Name : ALERTING_PDU (ALERTING) PCO Type : SAP Encoding Rule Name : Encoding Variation : Comments : Significance: global Direction: both ETS 300 403-1 subclause 3.1.1			
Field Name	Field Type	Field Encoding	Comments
pd (Protocol discriminator)	PD		Direction: both, type: M, length: 1 octet
cr (Call reference)	CR		Direction: both, type: M, length: 1 - 3 octets
mt (Message type)	MT		Direction: both, type: M, length: 1 octet
bcap (Bearer capability)	BCAP		Direction: both, type: O, length: 4 - 12 octets
efac (Extended facility)	EFAC		Direction: both, type: O, length: 2 - * octets
chi (Channel identification)	CHI		Direction: u>n , type: O, length: 2 - 34 octets
fac (Facility)	FAC		Direction: both, type: O, length: 2 - * octets
pi1 (Progress indicator)	PI		Direction: both, type: O, length: 2 - 4 octets
pi2 (Progress indicator)	PI		Direction: both, type: O, length: 2 - 4 octets
noid (Notification indicator)	NOID		Direction: both, type: O, length: 2 - * octets
dsp (Display)	DSP		Direction: n>u , type: O, length: 2 - 82 octets
ronn (Redirection number)	RONN		Direction: n>u , type: O, length: 2 - 24 octets
hlc (High layer compatibility)	HLC		Direction: both, type: O, length: 2 - 4 octets
uui (User-user)	UUI		Direction: both, type: O, length: 2 - * octets
Detailed Comments :			

PDU Type Definition			
PDU Name : CALL_PROC_PDU (CALL PROCEEDING) PCO Type : SAP Encoding Rule Name : Encoding Variation : Comments : Significance: local Direction: both ETS 300 403-1 subclause 3.1.2			
Field Name	Field Type	Field Encoding	Comments
pd (Protocol discriminator)	PD		Direction: both, type: M, length: 1 octet
cr (Call reference)	CR		Direction: both, type: M, length: 1 - 3 octets
mt (Message type)	MT		Direction: both, type: M, length: 1 octet
bcap (Bearer capability)	BCAP		Direction: both, type: O, length: 4 - 12 octets
efac (Extended facility)	EFAC		Direction: both, type: O, length: 2 - * octets
chi (Channel identification)	CHI		Direction: both, type: O, length: 2 - 34 octets (1)
fac (Facility)	FAC		Direction: both, type: O, length: 2 - * octets
pi (Progress indicator)	PI		Direction: both, type: O, length: 2 - 4 octets
noid (Notification indicator)	NOID		Direction: both, type: O, length: 2 - * octets
dsp (Display)	DSP		Direction: n>u , type: O, length: 2 - 82 octets
hlc (High layer compatibility)	HLC		Direction: both, type: O, length: 2 - 4 octets
Detailed Comments : (1) Mandatory in the network-to-user direction.			

PDU Type Definition			
PDU Name : CONNECT_PDU (CONNECT) PCO Type : SAP Encoding Rule Name : Encoding Variation : Comments : Significance: global Direction: both ETS 300 403-1 subclause 3.1.3			
Field Name	Field Type	Field Encoding	Comments
pd (Protocol discriminator)	PD		Direction: both, type: M, length: 1 octet
cr (Call reference)	CR		Direction: both, type: M, length: 1 - 3 octets
mt (Message type)	MT		Direction: both, type: M, length: 1 octet
bcap (Bearer capability)	BCAP		Direction: both, type: O, length: 4 - 12 octets
efac (Extended facility)	EFAC		Direction: both, type: O, length: 2 - * octets
chi (Channel identification)	CHI		Direction: u>n , type: O, length: 2 - 34 octets
fac (Facility)	FAC		Direction: both, type: O, length: 2 - * octets
pi (Progress indicator)	PI		Direction: both, type: O, length: 2 - 4 octets
noid (Notification indicator)	NOID		Direction: both, type: O, length: 2 - * octets
dsp (Display)	DSP		Direction: n>u , type: O, length: 2 - 82 octets
dati (Date/time)	DATI		Direction: n>u , type: O, length: 2 - 7 octets
codn (Connected number)	CODN		Direction: both, type: O, length: 2 - 24 octets
cods (Connected subaddress)	CODS		Direction: both, type: O, length: 2 - 23 octets
ronn (Redirection number)	RONN		Direction: n>u , type: O, length: 2 - 24 octets
llc (Low layer compatibilty)	LLC		Direction: both, type: O, length: 2 - 16 octets
hlc (High layer compatibilty)	HLC		Direction: both, type: O, length: 2 - 4 octets
uui (User-user)	UUI		Direction: both, type: O, length: 2 - * octets
Detailed Comments :			

PDU Type Definition			
PDU Name : CONNECT_ACK_PDU (CONNECT ACKNOWLEDGE) PCO Type : SAP Encoding Rule Name : Encoding Variation : Comments : Significance: global Direction: both ETS 300 403-1 subclause 3.1.4			
Field Name	Field Type	Field Encoding	Comments
pd (Protocol discriminator)	PD		Direction: both, type: M, length: 1 octet
cr (Call reference)	CR		Direction: both, type: M, length: 1 - 3 octets
mt (Message type)	MT		Direction: both, type: M, length: 1 octet
efac (Extended facility)	EFAC		Direction: both, type: O, length: 2 - * octets
fac (Facility)	FAC		Direction: both, type: O, length: 2 - * octets
noid (Notification indicator)	NOID		Direction: both, type: O, length: 2 - * octets
dsp (Display)	DSP		Direction: n>u , type: O, length: 2 - 82 octets
Detailed Comments :			

PDU Type Definition			
PDU Name : DISCONNECT_PDU (DISCONNECT) PCO Type : SAP Encoding Rule Name : Encoding Variation : Comments : Significance: global Direction: both ETS 300 403-1 subclause 3.1.5			
Field Name	Field Type	Field Encoding	Comments
pd (Protocol discriminator)	PD		Direction: both, type: M, length: 1 octet
cr (Call reference)	CR		Direction: both, type: M, length: 1 - 3 octets
mt (Message type)	MT		Direction: both, type: M, length: 1 octet
cau (Cause)	CAU		Direction: both, type: M, length: 4 - 32 octets
efac (Extended facility)	EFAC		Direction: both, type: O, length: 2 - * octets
fac (Facility)	FAC		Direction: both, type: O, length: 2 - * octets
pi (Progress indicator)	PI		Direction: n>u , type: O, length: 2 - 4 octets
noid (Notification indicator)	NOID		Direction: both, type: O, length: 2 - * octets
dsp (Display)	DSP		Direction: n>u , type: O, length: 2 - 82 octets
uui (User-user)	UUI		Direction: both, type: O, length: 2 - * octets
Detailed Comments :			

PDU Type Definition			
PDU Name : GFP_MSG_PDU PCO Type : SAP Encoding Rule Name : Encoding Variation : Comments : Significance: none Direction: user-to-network ETS 300 196-1 subclause 11			
Field Name	Field Type	Field Encoding	Comments
pd (Protocol discriminator)	PD		Direction: both, type: M, length: 1 octet
cr (Call reference)	CR		Direction: both, type: M, length: 1 - 3 octets
mt (Message type)	GFP_MT_LIST		Direction: both, type: M, length: 1 octet
ie_list (Information elements)	IE_LIST		Direction: both, type: O, length: 1 - * octets
Detailed Comments :			

PDU Type Definition			
PDU Name : INFORMATION_PDU (INFORMATION) PCO Type : SAP Encoding Rule Name : Encoding Variation : Comments : Significance: local Direction: both ETS 300 403-1 subclause 3.1.6			
Field Name	Field Type	Field Encoding	Comments
pd (Protocol discriminator)	PD		Direction: both, type: M, length: 1 octet
cr (Call reference)	CR		Direction: both, type: M, length: 1 - 3 octets
mt (Message type)	MT		Direction: both, type: M, length: 1 octet
sci (Sending complete)	SCI		Direction: both, type: O, length: 1 octet (1)
cau (Cause)	CAU		Direction: n>u , type: O, length: 4 - 32 octets
efac (Extended facility)	EFAC		Direction: both, type: O, length: 2 - * octets
fac (Facility)	FAC		Direction: both, type: O, length: 2 - * octets
noid (Notification indicator)	NOID		Direction: both, type: O, length: 2 - * octets
dsp (Display)	DSP		Direction: n>u , type: O, length: 2 - 82 octets
kpf (Keypad facility)	KPF		Direction: u>n , type: O, length: 2 - 34 octets
cdpn (Called party number)	CDPN		Direction: both, type: O, length: 2 - 23 octets
ronn (Redirection number)	RONN		Direction: n>u , type: O, length: 2 - 24 octets
Detailed Comments : (1) The Sending complete information element may be located at any position in the message.			

PDU Type Definition			
PDU Name : NOTIFY_PDU (NOTIFY) PCO Type : SAP Encoding Rule Name : Encoding Variation : Comments : Significance: access Direction: both ETS 300 403-1 subclause 3.1.7			
Field Name	Field Type	Field Encoding	Comments
pd (Protocol discriminator)	PD		Direction: both, type: M, length: 1 octet
cr (Call reference)	CR		Direction: both, type: M, length: 1 - 3 octets
mt (Message type)	MT		Direction: both, type: M, length: 1 octet
noid (Notification indicator)	NOID		Direction: both, type: M, length: 2 - * octets
dsp (Display)	DSP		Direction: n>u , type: O, length: 2 - 82 octets
ronn (Redirection number)	RONN		Direction: n>u , type: O, length: 2 - 24 octets
Detailed Comments :			

PDU Type Definition			
PDU Name : PROGRESS_PDU (PROGRESS) PCO Type : SAP Encoding Rule Name : Encoding Variation : Comments : PROGRESS message with two progress indicators Significance: global Direction: both ETS 300 403-1 subclause 3.1.8			
Field Name	Field Type	Field Encoding	Comments
pd (Protocol discriminator)	PD		Direction: both, type: M, length: 1 octet
cr (Call reference)	CR		Direction: both, type: M, length: 1 - 3 octets
mt (Message type)	MT		Direction: both, type: M, length: 1 octet
bcap (Bearer capability)	BCAP		Direction: n>u , type: O, length: 4 - 12 octets
cau (Cause)	CAU		Direction: both, type: O, length: 4 - 32 octets
efac (Extended facility)	EFAC		Direction: both, type: O, length: 2 - * octets
fac (Facility)	FAC		Direction: both, type: O, length: 2 - * octets
pi1 (Progress indicator)	PI		Direction: both, type: M, length: 4 octets
pi2 (Progress indicator)	PI		Direction: both, type: M, length: 4 octets
noid (Notification indicator)	NOID		Direction: both, type: O, length: 2 - * octets
dsp (Display)	DSP		Direction: n>u , type: O, length: 2 - 82 octets
ronn (Redirection number)	RONN		Direction: n>u , type: O, length: 2 - 24 octets
hlc (High layer compatibility)	HLC		Direction: both, type: O, length: 2 - 4 octets
uui (User-user)	UUI		Direction: both, type: O, length: 2 - * octets
Detailed Comments :			

PDU Type Definition			
PDU Name : RELEASE_PDU (RELEASE) PCO Type : SAP Encoding Rule Name : Encoding Variation : Comments : Significance: local Direction: both ETS 300 403-1 subclause 3.1.9			
Field Name	Field Type	Field Encoding	Comments
pd (Protocol discriminator)	PD		Direction: both, type: M, length: 1 octet
cr (Call reference)	CR		Direction: both, type: M, length: 1 - 3 octets
mt (Message type)	MT		Direction: both, type: M, length: 1 octet
cau (Cause)	CAU		Direction: both, type: O, length: 4 - 32 octets (1)
efac (Extended facility)	EFAC		Direction: both, type: O, length: 2 - * octets
fac (Facility)	FAC		Direction: both, type: O, length: 2 - * octets
noid (Notification indicator)	NOID		Direction: both, type: O, length: 2 - * octets
dsp (Display)	DSP		Direction: n>u , type: O, length: 2 - 82 octets
uui (User-user)	UUI		Direction: both, type: O, length: 2 - * octets
Detailed Comments : (1) Mandatory in the first call clearing message, including when the RELEASE message is sent as a result of an error handling condition.			

PDU Type Definition			
PDU Name : RELEASE_COM_PDU (RELEASE COMPLETE) PCO Type : SAP Encoding Rule Name : Encoding Variation : Comments : Significance: local Direction: both ETS 300 403-1 subclause 3.1.10			
Field Name	Field Type	Field Encoding	Comments
pd (Protocol discriminator)	PD		Direction: both, type: M, length: 1 octet
cr (Call reference)	CR		Direction: both, type: M, length: 1 - 3 octets
mt (Message type)	MT		Direction: both, type: M, length: 1 octet
cau (Cause)	CAU		Direction: both, type: O, length: 4 - 32 octets (1)
efac (Extended facility)	EFAC		Direction: both, type: O, length: 2 - * octets
fac (Facility)	FAC		Direction: both, type: O, length: 2 - * octets
noid (Notification indicator)	NOID		Direction: both, type: O, length: 2 - * octets
dsp (Display)	DSP		Direction: n>u , type: O, length: 2 - 82 octets
uui (User-user)	UUI		Direction: both, type: O, length: 2 - * octets
Detailed Comments : (1) Mandatory in the first call clearing message, including when the RELEASE message is sent as a result of an error handling condition.			

PDU Type Definition			
PDU Name : RESTART_PDU (RESTART) PCO Type : SAP Encoding Rule Name : Encoding Variation : Comments : Significance: local Direction: both ETS 300 403-1 subclause 3.4.1			
Field Name	Field Type	Field Encoding	Comments
pd (Protocol discriminator)	PD		Direction: both, type: M, length: 1 octet
cr (Call reference)	CR		Direction: both, type: M, length: 1 - 3 octets
mt (Message type)	MT		Direction: both, type: M, length: 1 octet
chi (Channel identification)	CHI		Direction: both, type: O, length: 2 - 34 octets
chi_rs (Channel identification)	CHI_RS		Direction: both, type: O, length: 2 - 34 octets (1)
dsp (Display)	DSP		Direction: n>u , type: O, length: 2 - 82 octets
ri (Restart indicator)	RI		Direction: both, type: M, length: 3 octets
Detailed Comments : (1) This special Channel identification information element type is used to handle the restart procedures.			

PDU Type Definition			
PDU Name : RESTART_ACK_PDU (RESTART ACKNOWLEDGE) PCO Type : SAP Encoding Rule Name : Encoding Variation : Comments : Significance: local Direction: both ETS 300 403-1 subclause 3.4.2			
Field Name	Field Type	Field Encoding	Comments
pd (Protocol discriminator)	PD		Direction: both, type: M, length: 1 octet
cr (Call reference)	CR		Direction: both, type: M, length: 1 - 3 octets
mt (Message type)	MT		Direction: both, type: M, length: 1 octet
chi (Channel identification)	CHI		Direction: both, type: O, length: 2 - 34 octets
chi_rs (Channel identification)	CHI_RS		Direction: both, type: O, length: 2 - 34 octets (1)
dsp (Display)	DSP		Direction: n>u , type: O, length: 2 - 82 octets
ri (Restart indicator)	RI		Direction: both, type: M, length: 3 octets
Detailed Comments : (1) This special Channel identification information element type is used to handle the restart procedures.			

PDU Type Definition			
PDU Name : SETUP_PDU (SETUP) PCO Type : SAP Encoding Rule Name : Encoding Variation : Comments : Significance: global Direction: both ETS 300 403-1 subclause 3.1.14			
Field Name	Field Type	Field Encoding	Comments
pd (Protocol discriminator)	PD		Direction: both, type: M, length: 1 octet
cr (Call reference)	CR		Direction: both, type: M, length: 1 - 3 octets
mt (Message type)	MT		Direction: both, type: M, length: 1 octet
sci (Sending complete)	SCI		Direction: both, type: O, length: 1 octet (1)
bcap_2r (Bearer capability)	BCAP		Direction: both, type: M, length: 4 - 12 octets (2)
bcap (Bearer capability)	BCAP		Direction: both, type: M, length: 4 - 12 octets
bcap_2s (Bearer capability)	BCAP		Direction: both, type: M, length: 4 - 12 octets (2)
efac (Extended facility)	EFAC		Direction: both, type: O, length: 2 - * octets
chi (Channel identification)	CHI		Direction: both, type: O, length: 2 - 34 octets
fac (Facility)	FAC		Direction: both, type: O, length: 2 - * octets
pi (Progress indicator)	PI		Direction: both, type: O, length: 2 - 4 octets
nsf (Network-specific facilities)	NSF		Direction: both, type: O, length: 2 - * octets
noid (Notification indicator)	NOID		Direction: both, type: O, length: 2 - * octets
dsp (Display)	DSP		Direction: n>u , type: O, length: 2 - 82 octets
kpf (Keypad facility)	KPF		Direction: u>n , type: O, length: 2 - 34 octets
cgpn (Calling party number)	CGPN		Direction: both, type: O, length: 2 - 24 octets
cgps (Calling party subaddress)	CGPS		Direction: both, type: O, length: 2 - 23 octets
cdpn (Called party number)	CDPN		Direction: both, type: O, length: 2 - 23 octets
cdps (Called party subaddress)	CDPS		Direction: both, type: O, length: 2 - 23 octets
rngn (Redirecting number)	RNGN		Direction: n>u , type: O, length: 2 - 24 octets
tns (Transfer network selection)	TNS		Direction: u>n , type: O, length: 2 - * octets
llc (Low layer compatibility)	LLC		Direction: both, type: O, length: 2 - 16 octets
hlc (High layer compatibility)	HLC		Direction: both, type: O, length: 2 - 4 octets
hlc_2 (High layer compatibility)	HLC		Direction: both, type: O, length: 2 - 4 octets (2)
uui (User-user)	UUI		Direction: both, type: O, length: 2 - * octets
Detailed Comments : (1) The Sending complete information element may be located at any position in the message. (2) Bearer capability and High layer compatibility information elements may be repeated, if fallback to an alternative service is allowed. For the repeated Bearer capability information element two different types are used for sending and receiving.			

PDU Type Definition			
PDU Name : STATUS_ENQ_PDU (STATUS ENQUIRY) PCO Type : SAP Encoding Rule Name : Encoding Variation : Comments : Significance: local Direction: both ETS 300 403-1 subclause 3.1.17			
Field Name	Field Type	Field Encoding	Comments
pd (Protocol discriminator)	PD		Direction: both, type: M, length: 1 octet
cr (Call reference)	CR		Direction: both, type: M, length: 1 - 3 octets
mt (Message type)	MT		Direction: both, type: M, length: 1 octet
dsp (Display)	DSP		Direction: n>u , type: O, length: 2 - 82 octets
Detailed Comments :			

CM Type Definition		
CM Name : CP_M		
Comments : coordination message		
Parameter Name	Parameter Type	Comments
CM_content	IA5String	message content in clear text
Detailed Comments :		

Alias Definitions		
Alias Name	Expansion	Comments
PDUr	DL_DAT_IN	PDU received
PDUs	DL_DAT_RQ	PDU sent, point-to-point data link
P_IAMr	IAM_IND	MTP TRANSFER_IND is used to carry an ISUP IAM PDU - received by Tester.
P_PDUR	TRANSFER_IND	MTP TRANSFER_IND is used to carry an ISUP PDU - received by Tester.
P_PDUs	TRANSFER_REQ	MTP TRANSFER_REQ is used to carry an ISUP PDU - sent by Tester.
RESTARTr	DL_DAT_IN_RESTART	RESTART received
SETUP_BROADCASTr	DL_UDAT_IN_SETUP	SETUP received, point-to-multipoint
Detailed Comments :		

III

Constraints Part

Structured Type Constraint Declaration			
Constraint Name : P_ACL_R_S Structured Type : automatic_congestion_level Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00100111'B		
length	'01'O		
ACL_field	'00000001'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_ADInf_R Structured Type : access_delivery_information Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00101110'B		
length	'01'O		
spare	'0000000'B		
ADI	'?'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_ATP_R Structured Type : access_transport Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00000011'B		
length	?		
ATP_field	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_ATP_RS_2(cpa_llcl, cpa_llcv: OCTETSTRING) Structured Type : access_transport2 Derivation Path : Encoding Variation : Comments : ATP containing a Low Layer Compatibility as parameter			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00000011'B		
length	INT_TO_OCTET((OCTET_TO_INT(PX_LLCL)+2),1)		
llc_i	ID_LLC		Identifier
llc_l	cpa_llcl		Length present
llc_con	cpa_llcv		Contents present
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_ATP_RS_1(cpa_pi_pd: INTEGER) Structured Type : access_transport1 Derivation Path : Encoding Variation : Comments : ATP containing a progress indicator			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00000011'B		
length	'04'O		
pi_i	ID_PI		Identifier
pi_l	'02'O		Length present
pi_e3_pre	'1000'B		CCITT standardized coding, user.
pi_e3_loc	'0000'B		(1)
pi_e4_eb	'1'B		Extension bit present
pi_e4_pd	INT_TO_BIT(cpa_pi_pd,7)		Parametrized progress description(7 bits)
Detailed Comments : (1) location set to "user"			

Structured Type Constraint Declaration			
Constraint Name : P_BCI_m_R Structured Type : backward_call_indicators Derivation Path : Encoding Variation : Comments : Receive BCI			
Element Name	Element Value	Element Encoding	Comments
parameter_type	-		
length	-		
EEMthI	'??'B		
CdPC	'??'B		
CdPSI	'??'B		
ChgI	'??'B		
SCCPMI	'??'B		
ECDI	'?'B		
ISDNAI	'?'B		
HoldI	'?'B		
ISUPI	'?'B		
EEInFI	'?'B		
IWI	'?'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_BCI_o_R Structured Type : backward_call_indicators Derivation Path : Encoding Variation : Comments : Receive BCI			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00010001'B		
length	'02'O		
EEMthI	'??'B		
CdPC	'??'B		
CdPSI	'??'B		
ChgI	'??'B		
SCCPMI	'??'B		
ECDI	'?'B		
ISDNAI	'?'B		
HoldI	'?'B		
ISUPI	'?'B		
EEInFI	'?'B		
IWI	'?'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_Cause_m_R			
Structured Type : cause_indicators			
Derivation Path :			
Encoding Variation :			
Comments : receive cause value			
Element Name	Element Value	Element Encoding	Comments
parameter_type	-		last octet CCITT standardized coding
length	?		
ExtI_1	'1'B		
CodS	'00'B		
spare	'0'B		
Loc	'????'B		
ExtI_2	'?'B		
CauseV	'??????'B		
Diag	*		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_Cause_m_R1(cpa_cau_val: INTEGER)			
Structured Type : cause_indicators			
Derivation Path :			
Encoding Variation :			
Comments : Cause value as parameter			
Element Name	Element Value	Element Encoding	Comments
parameter_type	-		
length	?		
ExtI_1	'1'B		last octet
CodS	'00'B		CCITT standardized coding
spare	'0'B		
Loc	?		
ExtI_2	'1'B		last octet
CauseV	INT_TO_BIT(cpa_cau_val,7)		
Diag	*		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_Cause_m_S Structured Type : cause_indicators Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	-		
length	'02'O		
ExtI_1	'1'B		last octet
CodS	'00'B		CCITT standardized coding
spare	'0'B		
Loc	'0000'B		User
ExtI_2	'1'B		last octet
CauseV	'0010000'B		Normal call clearing
Diag	-		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_Cause_o_R Structured Type : cause_indicators Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00010010'B		
length	?		
ExtI_1	'1'B		last octet
CodS	'00'B		CCITT standardized coding
spare	'0'B		
Loc	'????'B		
ExtI_2	'?'B		
CauseV	'????????'B		
Diag	*		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_CCNRPoS_R Structured Type : ccnr_possible_indicator Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'01111010'B		
length	'01'O		
spare	?		
ccnr_possible	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_CCSScall_R Structured Type : ccss_call_indicator Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'01001011'B		
length	'01'O		
spare	?		
ccns_call	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_CDInf_R Structured Type : call_diversion_information Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00110110'B		
length	'01'O		
CDInf_contents	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_CdPN_R			
Structured Type : called_party_number_R			
Derivation Path :			
Encoding Variation :			
Comments :			
Element Name	Element Value	Element Encoding	Comments
length	?		international number or national (significant) number
OdEvI	'?'B		
NatAdrI	('0000011'B, '0000100'B)		
INtwNbI	'?'B		
NbPI	'???'B		
spare	'0000'B		
AdSg	?		
ST	*		
Filler	*		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_CdPN_S(cpa_length,cpa_value: OCTETSTRING) Structured Type : called_party_number_S Derivation Path : Encoding Variation : Comments : value of the CDPN parameter as parameter			
Element Name	Element Value	Element Encoding	Comments
length	cpa_length		
value	cpa_value		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_CgPC_m_R Structured Type : calling_partys_category Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	-		
length	-		
CgPC_field	'????????'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_CgPC_m_RS Structured Type : calling_partys_category Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	-		
length	-		
CgPC_field	PXP_CGPG		
Detailed Comments : Calling party's category Pixit			

Structured Type Constraint Declaration			
Constraint Name : P_CgPN_R Structured Type : calling_party_number Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00001010'B		
length	?		
value	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_CgPN_S Structured Type : calling_party_number Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00001010'B		
length	'04'O		
value	'01132143'O		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_CHInf_R Structured Type : call_history_information Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00101101'B		
length	'02'O		
CHInf_field	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_CIC_iam_R Structured Type : circuit_identification_code Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
CIC	BIT_LOHI(?)		
spare	BIT_LOHI('0000'B)		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_CIC_R_S(CICnr: BITSTRING) Structured Type : circuit_identification_code Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
CIC	BIT_LOHI(CICnr)		
spare	BIT_LOHI('0000'B)		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_ConNb_R Structured Type : connected_number Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00100001'B		
length	?		
OdEvI	'?'B		Odd/even indicator
NatAdrI	'???????'B		Nature of address indicators
spare	'?'B		Spare
NbPI	'???'B		Numbering plan indicator
APRI	'??'B		Address presentation restriction indicator
ScrI	'??'B		Screening indicator
AdSg	?		Address signal
Filler	*		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_ConRq_R Structured Type : connection_request Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00001101'B		
length	'07'O		
ConRq_contents	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_CRef_R Structured Type : call_reference Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00000001'B		
length	'05'O		
CRef_contents	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_CUGIC_R Structured Type : closed_user_group_interlock_code Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00011010'B		
length	'02'O		
CUGIC_contents	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_EchoInf_R Structured Type : echo_control_information Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00110111'B		
length	'01'O		
IEchoRqI	'??'B		
OEchoRqI	'??'B		
IEchoRsI	'??'B		
OEchoRsI	'??'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_EvInf_R1(cpa_eventi: INTEGER) Structured Type : event_information Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
EvPRI	'?'B		
EventI	INT_TO_BIT(cpa_eventi, 7)		parameter
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_FCI_base_R			
Structured Type : forward_call_indicators			
Derivation Path :			
Encoding Variation :			
Comments : @ For national use only			
Element Name	Element Value	Element Encoding	Comments
IPI	'??'B		ISUP used all the way
ISUPI	'?'B		
EEInfI	'?'B		
IWI	'0'B		
EEMthI	'??'B		no interworking encountered
InatCI	'?'B		
spare_2	'????'B		
spare_1	'0'B		
SCCPMI	'??'B		@
ISDNAI	'?'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_FCI_S(cpa_isupi, cpa_isdnai: BITSTRING)			
Structured Type : forward_call_indicators			
Derivation Path :			
Encoding Variation :			
Comments :			
Element Name	Element Value	Element Encoding	Comments
IPI	'00'B		ISUP preferred all the way
ISUPI	cpa_isupi		ISUP used all the way
EEInfI	PXP_EE_INFO_IND		
IWI	'0'B		no interworking encountered
EEMthI	PXP_EE_METHOD		
InatCI	PXP_NI_CALL_IND		
spare_2	'0000'B		Reserved for national use
spare_1	'0'B		
SCCPMI	PXP_SCCP_IND		
ISDNAI	cpa_isdnai		Originating Acces ISDN
Detailed Comments : FCI Interworking indicator: no interworking encountered FCI ISDN user part indicator: parameter FCI ISDN access indicator: parameter FCI ISDN user part preference indicator: ISDN user part preferred all the way FCI National/International call indicator: FCI_NI_CALL_IND (PIXIT) FCI End-to-end method available: FCI_EE_METHOD (PIXIT) FCI End-to-End information indicator: FCI_EE_INFO_IND (PIXIT) FCI SCCP method indicator: FCI_SCCP_IND (PIXIT)			

Structured Type Constraint Declaration			
Constraint Name : P_GenDig_R Structured Type : generic_digits Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'11000001'B		
length	?		
GenDig_contents	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_GenNb_R Structured Type : generic_number Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'11000000'B		
length	?		
GenNb_contents	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_GenNot_R Structured Type : generic_notification_indicator Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00101100'B		
length	'01'O		
GenNot_contents	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_GenRef_R Structured Type : generic_reference Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'01000010'B		
length	?		
GenRef_contents	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_LocNb_R Structured Type : location_number Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00111111'B		
length	?		
OdEvI	'?'B		
NatAdRI	'???????'B		
INtwNbI	'1'B		
NbPI	'????'B		
APRI	'???'B		
ScrI	'???'B		
AdSg	?		
Filler	*		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_MLPPpre_R Structured Type : MLPP_precedence Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00111010'B		
length	'06'O		
MLPPpre_contents	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_NatCon_R			
Structured Type : nature_of_connection_indicators			
Derivation Path :			
Encoding Variation :			
Comments :			
Element Name	Element Value	Element Encoding	Comments
spare	'000'B		Continuity check not required
ECDI	'?'B		
CntChI	'??'B		
SatI	'??'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_NatCon_S(cpa_cntchi: BITSTRING)			
Structured Type : nature_of_connection_indicators			
Derivation Path :			
Encoding Variation :			
Comments :			
Element Name	Element Value	Element Encoding	Comments
spare	'000'B		Outgoing half echo control device not included
ECDI	'0'B		
CntChI	cpa_cntchi		no satellite circuit in the connection
SatI	'00'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_NtwFac_R Structured Type : network_specific_facility Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00101111'B		
length	?		
NtwFac_contents	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_OBCI_R Structured Type : optional_backward_call_indicators Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00101001'B		no indication
length	'01'O		
spare	'0000'B		
MLPPUsrI	'0'B		
SgmI	'?'B		
CDmo	'?'B		
InBndInfi	'?'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_OFCI_R Structured Type : optional_forward_call_indicators Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00001000'B		not requested
length	'01'O		
COLRqI	'?'B		no additional information will be sent
spare	'0000'B		
SgmI	'?'B		
CUGCI	'??'B		non-CUG call
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_OriCdNb_R			
Structured Type : original_called_number			
Derivation Path :			
Encoding Variation :			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00101000'B		ISDN numbering plan (E.164)
length	?		
OdEvI	'?'B		
NatAdrI	'???????'B		
spare_1	'0'B		
NbPI	'001'B		
APRI	'??'B		
spare_2	'00'B		
AdSg	?		
Filler	*		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_OriISC_R Structured Type : origination_ISC_point_code Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00101011'B		
length	'02'O		
OriISC_contents	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_ParCmp_R Structured Type : parameter_compatibility_information Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00111001'B		
length	?		
UParid_1	'????????'B		
ExtI_1	'?'B		
PassNPI_1	'??'B		
DParI_1	'?'B		
DMsgI_1	'?'B		
SendNfI_1	'?'B		
RlsCI_1	'?'B		
TransI_1	'?'B		
UParid_2	*		
ExtI_2	*		
InstrI_2	*		
UParid_3	*		
ExtI_3	*		
InstrI_3	*		
UParid_4	*		
ExtI_4	*		
InstrI_4	*		
UParid_5	*		
ExtI_5	*		
InstrI_5	*		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_PDC_R Structured Type : propagation_delay_counter Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00110001'B		
length	'02'O		
PDC_field	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_RemOp_R Structured Type : remote_operations Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00110010'B		
length	?		
RemOp_contents	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_RgNb_R Structured Type : redirecting_number Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00001011'B		
length	?		
OdEvI	'?'B		
NatAdRI	'??????'B		
spare_1	'0'B		
NbPI	'001'B		
APRI	'??'B		
spare_2	'00'B		
AdSg	?		
Filler	*		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_RnInf_R Structured Type : redirection_information Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00010011'B		
length	'02'O		
OriRnReas	'????'B		
spare_1	'0'B		
RgIc	'???'B		
RgReas	'????'B		
spare_2	'0'B		
RnCnt	'???'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_RnNb_R Structured Type : redirection_number Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00001100'B		national (significant) number OR international number internal network number indicator ISDN numbering plan (E.164)
length	?		
OdEvI	'?'B		
NatAdri	('0000011'B, '0000100'B)		
INtwNbI	'?'B		
NbPI	'001'B		
spare	'????'B		
AdSg	?		
Filler	*		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_RnNbRes_R			
Structured Type : redirection_number_restriction			
Derivation Path :			
Encoding Variation :			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'01000000'B		
length	'01'O		
RnNbRes_contents	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_Routing_label_R			
Structured Type : routing_label			
Derivation Path :			
Encoding Variation :			
Comments :			
Element Name	Element Value	Element Encoding	Comments
DestPC	BIT_LOHI (INT_TO_BIT (PXP_SP_TISUP, 14))		
OrigPC	BIT_LOHI (INT_TO_BIT (PXP_SP_IUT, 14))		
SLSel	BIT_LOHI (?)		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_Routing_label_S Structured Type : routing_label Derivation Path : Encoding Variation : Comments : Routing label to sent.			
Element Name	Element Value	Element Encoding	Comments
DestPC	BIT_LOHI (INT_TO_BIT(PXP_SP_IUT , 14))		
OrigPC	BIT_LOHI (INT_TO_BIT (PXP_SP_TISUP, 14))		
SLSel	BIT_LOHI (PXP_SLS)		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_ServAct_R Structured Type : service_activation Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00110011'B		
length	?		
ServAct_contents	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_SPC_R Structured Type : signalling_point_code Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00011110'B		
length	'02'O		
SPC_contents	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_TMRp_R Structured Type : transmission_medium_requirement_prime Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00111110'B		
length	?		length present
TMRp_field	?		value present
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_TMU_R Structured Type : transmission_medium_used Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00110101'B		
length	?		length present
TMU_field	?		value present
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_TNtwSel_R Structured Type : transit_network_selection Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00100011'B		
length	?		
TNtwSel_contents	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_USI_R Structured Type : user_service_information Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
usi_id	'00011101'B		identifier
usi_l	?		length present
usi_value	?		value present
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_USIp_R Structured Type : user_service_information_prime Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00110000'B		
usip_l	?		length present
usip_value	?		value present
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_UTI_R Structured Type : user_teleservice_information Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00110100'B		
length	?		length present
value	?		value present
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_UUInf_R Structured Type : user_to_user_information Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00100000'B		
length	?		
UUInf_contents	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_UUInd_R Structured Type : user_to_user_indicators Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	'00101010'B		
length	'01'O		
NtwDI	'?'B		
Serv3	'??'B		
Serv2	'??'B		
Serv1	'??'B		
Type	'?'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : ISUP_SIO(NIval: BITSTRING) Structured Type : service_information_octet Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
NI	NIval		
spare	'00'B		spare '00'B
SIO	'0101'B		ISDN User Part identification
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : P_National_R Structured Type : national_parameter Derivation Path : Encoding Variation : Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	('11111110'B, '11111111'B, '11111101'B, '11111100'B, '11110101'B)		
length	?		
nat_par_contents	?		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : CAU_R1 Structured Type : CAU Derivation Path : Encoding Variation : Comments : Receive constraint with any cause value			
Element Name	Element Value	Element Encoding	Comments
cau_i	ID_CAU		Cause identifier
cau_l	?		Length value present
cau_e3_eb	'?'B		Extension bit present
cau_e3_cs	'000'B		CCITT standardised coding
cau_e3_loc	'????'B		Location value present
cau_e4_rec	*		Any or no recommendation value
cau_e5_eb	'1'B		Extension bit present
cau_e5_cv	'???????'B		Parametrised cause value
cau_di	*		Any or no diagnostics
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : CAU_S1(CVAL: INTEGER) Structured Type : CAU Derivation Path : Encoding Variation : Comments : Send constraint with parametrized cause value			
Element Name	Element Value	Element Encoding	Comments
cau_i	ID_CAU		Cause identifier
cau_l	'00000010'B		Length value present
cau_e3_eb	'1'B		Extension bit present
cau_e3_cs	'000'B		CCITT standardised coding
cau_e3_loc	'0000'B		Location user
cau_e4_rec	-		No recommendation value
cau_e5_eb	'1'B		Extension bit present
cau_e5_cv	INT_TO_BIT(CVAL, 7)		Parametrized cause value
cau_di	-		No diagnostics value
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : CHIB_R2 Structured Type : CHI Derivation Path : Encoding Variation : Comments : Receive constraint for basic access with "don't care" values			
Element Name	Element Value	Element Encoding	Comments
chi_i	ID_CHI		Identifier
chi_l	'00000001'B		Length value present
chi_e3_eb	'1'B		Extension bit present
chi_e3_int	'00010'B		(1)
chi_e3_cs	?		Channel selection present
chi_e4_csct	-		Not present
chi_e5_eb	-		Not present
chi_e5_cn	-		Not present
Detailed Comments : (1) Interface implicitly identified, basic interface, exclusive: only the indicated channel is acceptable, the channel identified is not the D-channel			

Structured Type Constraint Declaration			
Constraint Name : CHI_RSb_R1 Structured Type : CHI_RS Derivation Path : Encoding Variation : Comments : Receive constraint for basic access with "don't care" values			
Element Name	Element Value	Element Encoding	Comments
chi_i	ID_CHI		Identifier
chi_l	'00000001'B		Length value present
chi_e3_eb	'1'B		Extension bit present
chi_e3_int	'000?0'B		(1)
chi_e3_cs	'??'B		Channel selection present
chi_e4_csct	-		Not present
chi_e5_eb	-		Not present
chi_e5_cn	-		Not present
chi_e6_eb	-		Not present
chi_e6_cn	-		Not present
chi_cn	-		Not present
Detailed Comments : (1) Interface implicitly identified, basic interface, any value for the preferred/exclusive bit, the channel identified is not the D-channel			

Structured Type Constraint Declaration			
Constraint Name : CHI_RSb_S1(BCH: BITSTRING) Structured Type : CHI_RS Derivation Path : Encoding Variation : Comments : Send constraint for basic access with parametrized channel selection			
Element Name	Element Value	Element Encoding	Comments
chi_i	ID_CHI		Identifier
chi_l	'00000001'B		Length value present
chi_e3_eb	'1'B		Extension bit present
chi_e3_int	'00010'B		(1)
chi_e3_cs	BCH		Parametrized channel selection
chi_e4_csct	-		Not present
chi_e5_eb	-		Not present
chi_e5_cn	-		Not present
chi_e6_eb	-		Not present
chi_e6_cn	-		Not present
chi_cn	-		Not present
Detailed Comments : (1) Interface implicitly identified, basic interface, exclusive: only the indicated channel is acceptable, the channel identified is not the D-channel			

Structured Type Constraint Declaration			
Constraint Name : CHI_RSP_R1 Structured Type : CHI_RS Derivation Path : Encoding Variation : Comments : Receive constraint for primary rate access with "don't care" values			
Element Name	Element Value	Element Encoding	Comments
chi_i	ID_CHI		Identifier
chi_l	?		Length value present
chi_e3_eb	'1'B		Extension bit present
chi_e3_int	'010?0'B		(1)
chi_e3_cs	'01'B		channel as indicated
chi_e4_csct	'10000011'B		(2)
chi_e5_eb	-		Not present
chi_e5_cn	-		Not present
chi_e6_eb	-		Not present
chi_e6_cn	-		Not present
chi_cn	?		Channel number present
Detailed Comments : (1) Interface implicitly identified, other interface, any value for the preferred/exclusive bit, the channel identified is not the D-channel (2) CCITT standardized coding, channel(s) is/are indicated by the number(s) in the following octet(s), B-channel units			

Structured Type Constraint Declaration			
Constraint Name : CHI_RSP_S1(BCH: OCTETSTRING; LENGTH: BITSTRING) Structured Type : CHI_RS Derivation Path : Encoding Variation : Comments : Send constraint for primary rate access with parametrized channel number			
Element Name	Element Value	Element Encoding	Comments
chi_i	ID_CHI		Identifier
chi_l	LENGTH		Parametrized length value
chi_e3_eb	'1'B		Extension bit present
chi_e3_int	'01010'B		(1)
chi_e3_cs	'01'B		Channel as indicated
chi_e4_csct	'10000011'B		(2)
chi_e5_eb	-		Not present
chi_e5_cn	-		Not present
chi_e6_eb	-		Not present
chi_e6_cn	-		Not present
chi_cn	BCH		Parametrized channel number
Detailed Comments : (1) Interface implicitly identified, other interface, exclusive: only the indicated channel is acceptable, the channel identified is not the D-channel (2) CCITT standardized coding, channel(s) is/are indicated by the number(s) in the following octet(s), B-channel units			

Structured Type Constraint Declaration			
Constraint Name : CR1 (FLAG: INTEGER; CALL_REF: CALL_REF_TYPE) Structured Type : CR Derivation Path : Encoding Variation : Comments : Constraint for sending and receiving			
Element Name	Element Value	Element Encoding	Comments
cr_l1	'0000'B		Length value, bits 8 - 5
cr_l2	PX_CR_LENGTH		Length value, bits 4 - 1 (1)
cr_f	INT_TO_BIT (FLAG,1)		Parametrized flag
cr_r	CALL_REF		Parametrized value
Detailed Comments : (1) PX_CR_LENGTH is a test suite parameter.			

Structured Type Constraint Declaration			
Constraint Name : CR_R1 Structured Type : CR Derivation Path : Encoding Variation : Comments : Receive constraint with any call reference value			
Element Name	Element Value	Element Encoding	Comments
cr_l1	'0000'B		Length value, bits 8 - 5
cr_l2	PX_CR_LENGTH		Length value, bits 4 - 1 (1)
cr_f	'0'B		Originator
cr_r	?		Call reference value present
Detailed Comments : (1) PX_CR_LENGTH is a test suite parameter.			

Structured Type Constraint Declaration			
Constraint Name : LLC_RS1 (cpa_llc1, cpa_llcv: OCTETSTRING) Structured Type : LLC Derivation Path : Encoding Variation : Comments : Receive constraint;			
Element Name	Element Value	Element Encoding	Comments
llc_i	ID_LLC		Identifier
llc_l	cpa_llc1		Length present
llc_con	cpa_llcv		Contents present
Detailed Comments : cpa_llc1 and cpa_llcv are parameters.			

Structured Type Constraint Declaration			
Constraint Name : NOID_R1 Structured Type : NOID Derivation Path : Encoding Variation : Comments : Receive constraint containing any notification description			
Element Name	Element Value	Element Encoding	Comments
noid_i	ID_NOID		Identifier
noid_l	?		Length present
noid_nd	?		Notification description present
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : PI_RS1(cpa_pi_pd: INTEGER) Structured Type : PI Derivation Path : Encoding Variation : Comments : Receive constraint with parametrized progress description			
Element Name	Element Value	Element Encoding	Comments
pi_i	ID_PI		Identifier
pi_l	'00000010'B		Length present
pi_e3_pre	'1000'B		CCITT standardized coding, user.
pi_e3_loc	'0000'B		(1)
pi_e4_eb	'1'B		Extension bit present
pi_e4_pd	INT_TO_BIT(cpa_pi_pd, 7)		Parametrized progress description(7 bits)
Detailed Comments : (1) location set to "user"			

Structured Type Constraint Declaration			
Constraint Name : RI1(CLASS_VAL: INTEGER) Structured Type : RI Derivation Path : Encoding Variation : Comments : Constraint with parametrized class value used for sending and receiving.			
Element Name	Element Value	Element Encoding	Comments
ri_i	ID_RI		Identifier
ri_l	'00000001'B		Length present
ri_sp	'10000'B		Spare value
ri_cl	INT_TO_BIT(CLASS_VAL, 3)		Parametrized class value
Detailed Comments :			

ASP Constraint Declaration		
Constraint Name : IrI (PARAM:IAM_PDU_R) ASP Type : IAM_IND Derivation Path : Comments : ASP to transfer ISUP IAM PDU		
Parameter Name	Parameter Value	Comments
SIO isup_pdu	ISUP_SIO(PXP_NI_R) PARAM	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : TrI (PARAM:PDU) ASP Type : TRANSFER_IND Derivation Path : Comments : ASP to transfer ISUP PDU		
Parameter Name	Parameter Value	Comments
SIO isup_pdu	ISUP_SIO(PXP_NI_R) PARAM	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : TrR (PARAM:PDU) ASP Type : TRANSFER_REQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
SIO isup_pdu	ISUP_SIO(PXP_NI_R) PARAM	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : Mr (PARAM: PDU) ASP Type : DL_DAT_IN Derivation Path : Comments : ASP to indicate the receipt of layer 3 messages.		
Parameter Name	Parameter Value	Comments
mun	PARAM	PDU to be received
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : Ms(PARAM: PDU) ASP Type : DL_DAT_RQ Derivation Path : Comments : ASP to request the sending of layer 3 messages.		
Parameter Name	Parameter Value	Comments
mun	PARAM	PDU to be sent
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : RSr(PARAM: RESTART_PDU) ASP Type : DL_DAT_IN_RESTART Derivation Path : Comments : ASP to indicate the receipt of RESTART messages.		
Parameter Name	Parameter Value	Comments
mun	PARAM	RESTART to be received
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : SBr(PARAM: SETUP_PDU) ASP Type : DL_UDAT_IN_SETUP Derivation Path : Comments : ASP to indicate the receipt of SETUP messages via the broadcast data link.		
Parameter Name	Parameter Value	Comments
mun	PARAM	SETUP to be received
Detailed Comments :		

PDU Constraint Declaration			
Constraint Name : P_ACM_R(CICnr: BITSTRING) PDU Type : ACM_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : ACM with don't care values			
Field Name	Field Value	Field Encoding	Comments
RoutingLbl	P_Routing_label_R		
CiCode	P_CIC_R_S(CICnr)		
MType	MT_ACM		
BCI	P_BCI_m_R		
opt_part_ptr	TSO_compute_opt_ptr()		
OBCI	P_OBCI_R IF_PRESENT		
CRef	P_CRef_R IF_PRESENT		@
Cause	P_Cause_o_R IF_PRESENT		
UUInd	P_UUInd_R IF_PRESENT		
UUInf	P_UUInf_R IF_PRESENT		
ATP	P_ATP_R IF_PRESENT		
GenNot	P_GenNot_R IF_PRESENT		
TMU	P_TMU_R IF_PRESENT		
EchoInf	P_EchoInf_R IF_PRESENT		
ADInf	P_ADInf_R IF_PRESENT		
RnNb	P_RnNb_R IF_PRESENT		
ParCmp	P_ParCmp_R IF_PRESENT		
CDInf	P_CDInf_R IF_PRESENT		
NtwFac	P_NtwFac_R IF_PRESENT		@
RemOp	P_RemOp_R IF_PRESENT		@
ServAct	P_ServAct_R IF_PRESENT		@
RnNbRes	P_RnNbRes_R IF_PRESENT		
CCNRPos	P_CCNRPos_R IF_PRESENT		
NatPar	P_National_R IF_PRESENT		
EndOP	'00'O IF_PRESENT		
Detailed Comments : @: This parameter is for national use only. It shall not be sent on the international interface.			

PDU Constraint Declaration			
Constraint Name : P_ANM_R(CICnr: BITSTRING) PDU Type : ANM_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Receive PDU with don't care value			
Field Name	Field Value	Field Encoding	Comments
RoutingLbl	P_Routing_label_R		
CiCode	P_CIC_R_S(CICnr)		
MType	MT_ANM		
opt_part_ptr	TSO_compute_opt_ptr()		
BCI	P_BCI_o_R IF_PRESENT		
OBCI	P_OBCI_R IF_PRESENT		
CRef	P_CRef_R IF_PRESENT		@
UUInd	P_UUInd_R IF_PRESENT		
UUInf	P_UUInf_R IF_PRESENT		
ConNb	P_ConNb_R IF_PRESENT		
ATP	P_ATP_R IF_PRESENT		
ADInf	P_ADInf_R IF_PRESENT		
GenNot	P_GenNot_R IF_PRESENT		
ParCmp	P_ParCmp_R IF_PRESENT		
CHInf	P_CHInf_R IF_PRESENT		
GenNb	P_GenNb_R IF_PRESENT		
TMU	P_TMU_R IF_PRESENT		
NtwFac	P_NtwFac_R IF_PRESENT		@
RemOp	P_RemOp_R IF_PRESENT		@
RnNb	P_RnNb_R IF_PRESENT		@
ServAct	P_ServAct_R IF_PRESENT		@
EchoInf	P_EchoInf_R IF_PRESENT		
RnNbRes	P_RnNbRes_R IF_PRESENT		
NatPar	P_National_R IF_PRESENT		
EndOP	'00'O IF_PRESENT		
Detailed Comments : @: This parameter is for national use only. It shall not be sent on the international interface. However, it is possible that it will be sent by a local exchange.			

PDU Constraint Declaration			
Constraint Name : P_ANM_R1(CICnr: BITSTRING; cpa_pi_pd: INTEGER) PDU Type : ANM_PDU1 Derivation Path : Encoding Rule Name : Encoding Variation : Comments : ANM message with ATP containing a Progress Indicator as parameter			
Field Name	Field Value	Field Encoding	Comments
RoutingLbl	P_Routing_label_R		
CICode	P_CIC_R_S(CICnr)		
MType	MT_ANM		
opt_part_ptr	TSO_compute_opt_ptr()		
BCI	P_BCI_o_R IF_PRESENT		
OBCI	P_OBCI_R IF_PRESENT		
CRef	P_CRef_R IF_PRESENT		@
UUInd	P_UUInd_R IF_PRESENT		
UUInf	P_UUInf_R IF_PRESENT		
ConNb	P_ConNb_R IF_PRESENT		
ATP_PI	P_ATP_RS_1(cpa_pi_pd)		
ATP_LLC	-		
ADInf	P_ADInf_R IF_PRESENT		
GenNot	P_GenNot_R IF_PRESENT		
ParCmp	P_ParCmp_R IF_PRESENT		
CHInf	P_CHInf_R IF_PRESENT		
GenNb	P_GenNb_R IF_PRESENT		
TMU	P_TMU_R IF_PRESENT		
NtwFac	P_NtwFac_R IF_PRESENT		@
RemOp	P_RemOp_R IF_PRESENT		@
RnNb	P_RnNb_R IF_PRESENT		
ServAct	P_ServAct_R IF_PRESENT		@
EchoInf	P_EchoInf_R IF_PRESENT		
RnNbRes	P_RnNbRes_R IF_PRESENT		
NatPar	P_National_R IF_PRESENT		
EndOP	'00'O IF_PRESENT		
Detailed Comments : @: This parameter is for national use only. It shall not be sent on the international interface. However, it is possible that it will be sent by a local exchange.			

PDU Constraint Declaration			
Constraint Name : P_ANM_R2(CICnr: BITSTRING; cpa_11c1, cpa_11cv: OCTETSTRING) PDU Type : ANM_PDU1 Derivation Path : Encoding Rule Name : Encoding Variation : Comments : ANM message with ATP containing a Low Layer Capability as parameter			
Field Name	Field Value	Field Encoding	Comments
RoutingLbl	P_Routing_label_R		
CICode	P_CIC_R_S(CICnr)		
MType	MT_ANM		
opt_part_ptr	TSO_compute_opt_ptr()		
BCI	P_BCI_o_R IF_PRESENT		
OBCI	P_OBCI_R IF_PRESENT		
CRef	P_CRef_R IF_PRESENT		@
UUInd	P_UUInd_R IF_PRESENT		
UUInf	P_UUInf_R IF_PRESENT		
ConNb	P_ConNb_R IF_PRESENT		
ATP_PI	-		
ATP_LLC	P_ATP_RS_2(cpa_11c1, cpa_11cv)		
ADInf	P_ADInf_R IF_PRESENT		
GenNot	P_GenNot_R IF_PRESENT		
ParCmp	P_ParCmp_R IF_PRESENT		
CHInf	P_CHInf_R IF_PRESENT		
GenNb	P_GenNb_R IF_PRESENT		
TMU	P_TMU_R IF_PRESENT		
NtwFac	P_NtwFac_R IF_PRESENT		@
RemOp	P_RemOp_R IF_PRESENT		@
RnNb	P_RnNb_R IF_PRESENT		
ServAct	P_ServAct_R IF_PRESENT		@
EchoInf	P_EchoInf_R IF_PRESENT		
RnNbRes	P_RnNbRes_R IF_PRESENT		
NatPar	P_National_R IF_PRESENT		
EndOP	'00'O IF_PRESENT		
Detailed Comments : @: This parameter is for national use only. It shall not be sent on the international interface. However, it is possible that it will be sent by a local exchange.			

PDU Constraint Declaration			
Constraint Name : P_IAM_R PDU Type : IAM_PDU_R Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
RoutingLbl	P_Routing_label_R		
CICode	P_CIC_iam_R		
MType	MT_IAM		
NatCon	P_NatCon_R		
FCI	P_FCI_base_R		
CgPC	P_CgPC_m_R		
TMR	?		
var_part_ptr	'02'O		
opt_part_ptr	TSO_compute_opt_ptr()		
CdPN	P_CdPN_R		
TNtwSel	P_TNtwSel_R IF_PRESENT		@
CRef	P_CRef_R IF_PRESENT		@
CgPN	P_CgPN_R IF_PRESENT		
OFCl	P_OFCl_R IF_PRESENT		
RgNb	P_RgNb_R IF_PRESENT		
RnInf	P_RnInf_R IF_PRESENT		
CUGIC	P_CUGIC_R IF_PRESENT		
ConRq	P_ConRq_R IF_PRESENT		
OriCdNb	P_OriCdNb_R IF_PRESENT		
UUInf	P_UUInf_R IF_PRESENT		
ATP	P_ATP_R IF_PRESENT		
USI	P_USI_R IF_PRESENT		
UUInd	P_UUInd_R IF_PRESENT		
GenNb	P_GenNb_R IF_PRESENT		
PDC	P_PDC_R IF_PRESENT		
USIp	P_USIp_R IF_PRESENT		
NtwFac	P_NtwFac_R IF_PRESENT		@
GenDig	P_GenDig_R IF_PRESENT		@
OriISC	P_OriISC_R IF_PRESENT		
UTI	P_UTI_R IF_PRESENT		
RemOp	P_RemOp_R IF_PRESENT		@
ParCmp	P_ParCmp_R IF_PRESENT		
GenNot	P_GenNot_R IF_PRESENT		
ServAct	P_ServAct_R IF_PRESENT		@
GenRef	P_GenRef_R IF_PRESENT		
MLPPpre	P_MLPPpre_R IF_PRESENT		
TMRp	P_TMRp_R IF_PRESENT		
LocNb	P_LocNb_R IF_PRESENT		
CCSScall	P_CCSScall_R IF_PRESENT		
NatPar	P_National_R IF_PRESENT		
Unknown	-		
EndOP	'00'O IF_PRESENT		
Detailed Comments : @: This parameter is for national use only. It shall not be sent on the international interface.			

PDU Constraint Declaration			
Constraint Name : P_IAM_S PDU Type : IAM_PDU_S Derivation Path : Encoding Rule Name : Encoding Variation : Comments : IAM with called party number containing the complete digits and with the end of pulsing signal 'ST'			
Field Name	Field Value	Field Encoding	Comments
RoutingLbl	P_Routing_label_S		
CICode	P_CIC_R_S(PXP_CIC_S)		
MType	MT_IAM		
NatCon	P_NatCon_S('00'B)		
FCI	P_FCI_S('1'B,'1'B)		
CgPC	P_CgPC_m_RS		
TMR	PXP_TMR		
var_part_ptr	'02'O		
opt_part_ptr	'00'O		
CdPN	P_CdPN_S(PXP_CDPNL_ST_S, PXP_CDPNV_ST_S)		
TNtwSel	-		
CRef	-		
CgPN	P_CgPN_S		
OFCI	-		
RgNb	-		
RnInf	-		
CUGIC	-		
ConRq	-		
OriCdNb	-		
UUInf	-		
ATP	-		
USI	-		
UUInd	-		
GenNb	-		
PDC	-		
USIp	-		
NtwFac	-		
GenDig	-		
OriISC	-		
UTI	-		
RemOp	-		
ParCmp	-		
GenNot	-		
ServAct	-		
GenRef	-		
MLPPpre	-		
TMRp	-		
LocNb	-		
CCSScall	-		
Unknown	-		
EndOP	-		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : P_CPG_R1(CICnr: BITSTRING; cpa_eventi:INTEGER) PDU Type : CPG_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : CPG message with event information as parameter			
Field Name	Field Value	Field Encoding	Comments
RoutingLbl	P_Routing_label_R		
CICode	P_CIC_R_S(CICnr)		
MType	MT_CPG		
EvInf	P_EvInf_R1(cpa_eventi)		
opt_part_ptr	TSO_compute_opt_ptr()		
Cause	P_Cause_o_R IF_PRESENT		
CRef	P_CRef_R IF_PRESENT		@
BCI	P_BCI_o_R IF_PRESENT		
OBCI	P_OBCI_R IF_PRESENT		
ATP	P_ATP_R IF_PRESENT		
UUInd	P_UUInd_R IF_PRESENT		
RnNb	P_RnNb_R IF_PRESENT		
UUInf	P_UUInf_R IF_PRESENT		
GenNot	P_GenNot_R IF_PRESENT		
NtwFac	P_NtwFac_R IF_PRESENT		@
RemOp	P_RemOp_R IF_PRESENT		@
TMU	P_TMU_R IF_PRESENT		
ADInf	P_ADInf_R IF_PRESENT		
ParCmp	P_ParCmp_R IF_PRESENT		
CDInf	P_CDInf_R IF_PRESENT		
ServAct	P_ServAct_R IF_PRESENT		@
RnNbRes	P_RnNbRes_R IF_PRESENT		
CCNRPos	P_CCNRPos_R IF_PRESENT		
NatPar	P_National_R IF_PRESENT		
Unknown	-		
EndOP	'00'O IF_PRESENT		
Detailed Comments : @: This parameter is for national use only. It shall not be sent on the international interface. However, it is possible that it will be sent by a local exchange.			

PDU Constraint Declaration			
Constraint Name : P_CPG_R2(CICnr: BITSTRING; cpa_eventi, cpa_pi_pd:INTEGER) PDU Type : CPG_PDU1 Derivation Path : Encoding Rule Name : Encoding Variation : Comments : CPG with: - event information as parameter - ATP containing a Progress Indicator			
Field Name	Field Value	Field Encoding	Comments
RoutingLbl	P_Routing_label_R		
CICode	P_CIC_R_S(CICnr)		
MType	MT_CPG		
EvInf	P_EvInf_R1(cpa_eventi)		
opt_part_ptr	TSO_compute_opt_ptr()		
Cause	P_Cause_o_R IF_PRESENT		
CRef	P_CRef_R IF_PRESENT		@
BCI	P_BCI_o_R IF_PRESENT		
OBCI	P_OBCI_R IF_PRESENT		
ATP_PI	P_ATP_RS_1(cpa_pi_pd)		
ATP_LLC	-		
UUInd	P_UUInd_R IF_PRESENT		
RnNb	P_RnNb_R IF_PRESENT		
UUInf	P_UUInf_R IF_PRESENT		
GenNot	P_GenNot_R IF_PRESENT		
NtwFac	P_NtwFac_R IF_PRESENT		@
RemOp	P_RemOp_R IF_PRESENT		@
TMU	P_TMU_R IF_PRESENT		
ADInf	P_ADInf_R IF_PRESENT		
ParCmp	P_ParCmp_R IF_PRESENT		
CDInf	P_CDInf_R IF_PRESENT		
ServAct	P_ServAct_R IF_PRESENT		@
RnNbRes	P_RnNbRes_R IF_PRESENT		
CCNRPos	P_CCNRPos_R IF_PRESENT		
NatPar	P_National_R IF_PRESENT		
Unknown	-		
EndOP	'00'O IF_PRESENT		
Detailed Comments : @: This parameter is for national use only. It shall not be sent on the international interface. However, it is possible that it will be sent by a local exchange.			

PDU Constraint Declaration			
Constraint Name : P_REL_R (CICnr: BITSTRING) PDU Type : REL_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
RoutingLbl	P_Routing_label_R		
CICode	P_CIC_R_S(CICnr)		
MType	MT_REL		
var_part_ptr	'02'O		
opt_part_ptr	TSO_compute_opt_ptr()		
Cause	P_Cause_m_R		
RnInf	P_RnInf_R IF_PRESENT		
RnNb	P_RnNb_R IF_PRESENT		
ATP	P_ATP_R IF_PRESENT		
ATP_PI	-		
SPC	P_SPC_R IF_PRESENT		
UUInf	P_UUInf_R IF_PRESENT		
ACL	P_ACL_R_S IF_PRESENT		
NtwFac	P_NtwFac_R IF_PRESENT		@
ADInf	P_ADInf_R IF_PRESENT		
ParCmp	P_ParCmp_R IF_PRESENT		
RnNbRes	P_RnNbRes_R IF_PRESENT		
UUInd	P_UUInd_R IF_PRESENT		
NatPar	P_National_R IF_PRESENT		
Unknown	-		
EndOP	'00'O IF_PRESENT		
Detailed Comments : @: This parameter is for national use only. It shall not be sent on the international interface. However, it is possible that it will be sent by a local exchange.			

PDU Constraint Declaration			
Constraint Name : P_REL_R1(CICnr: BITSTRING; cpa_cau_val: INTEGER) PDU Type : REL_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Relase message with the cause value as parameter			
Field Name	Field Value	Field Encoding	Comments
RoutingLbl	P_Routing_label_R		
CICode	P_CIC_R_S(CICnr)		
MType	MT_REL		
var_part_ptr	'02'O		
opt_part_ptr	TSO_compute_opt_ptr()		
Cause	P_Cause_m_R1(cpa_cau_val)		
RnInf	P_RnInf_R IF_PRESENT		
RnNb	P_RnNb_R IF_PRESENT		
ATP	P_ATP_R IF_PRESENT		
ATP_PI	-		
SPC	P_SPC_R IF_PRESENT		
UUInf	P_UUInf_R IF_PRESENT		
ACL	P_ACL_R_S IF_PRESENT		
NtwFac	P_NtwFac_R IF_PRESENT		@
ADInf	P_ADInf_R IF_PRESENT		
ParCmp	P_ParCmp_R IF_PRESENT		
RnNbRes	P_RnNbRes_R IF_PRESENT		
UUInd	P_UUInd_R IF_PRESENT		
NatPar	P_National_R IF_PRESENT		
Unknown	-		
EndOP	'00'O IF_PRESENT		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : P_REL_S(CICnr: BITSTRING) PDU Type : REL_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
RoutingLbl	P_Routing_label_S		
CICode	P_CIC_R_S(CICnr)		
MType	MT_REL		
var_part_ptr	'02'O		
opt_part_ptr	'00'O		
Cause	P_Cause_m_S		
RnInf	-		
RnNb	-		
ATP	-		
ATP_PI	-		
SPC	-		
UUInf	-		
ACL	-		
NtwFac	-		
ADInf	-		
ParCmp	-		
RnNbRes	-		
UUInd	-		
NatPar	-		
Unknown	-		
EndOP	-		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : P_RLC_R (CICnr: BITSTRING) PDU Type : RLC_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
RoutingLbl	P_Routing_label_R		
CICode	P_CIC_R_S(CICnr)		
MType	MT_RLC		
opt_part_ptr	TSO_compute_opt_ptr()		
Cause	P_Cause_o_R IF_PRESENT		
Unknown	-		
EndOP	'00'O IF_PRESENT		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : P_RLC_S (CICnr: BITSTRING) PDU Type : RLC_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
RoutingLbl	P_Routing_label_S		
CICode	P_CIC_R_S(CICnr)		
MType	MT_RLC		
opt_part_ptr	'00'O		
Cause	-		
Unknown	-		
EndOP	-		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : P_RSC_S(CICnr: BITSTRING) PDU Type : RSC_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Value	Field Encoding	Comments
RoutingLbl	P_Routing_label_S		
CICode	P_CIC_R_S(CICnr)		
MType	MT_RSC		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : ALT_S1 (FLAG: INTEGER; CALL_REF: CALL_REF_TYPE) PDU Type : ALERTING_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU			
Field Name	Field Value	Field Encoding	Comments
pd	PROTOCOL_DISCRIMINATOR_Q931		
cr	CR1 (FLAG, CALL_REF)		
mt	MT_ALERTING		
bcap	-		
efac	-		
chi	-		
fac	-		
pi1	-		
pi2	-		
noid	-		
dsp	-		
ronn	-		
hlc	-		
uui	-		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : ALT_S2 (FLAG: INTEGER; CALL_REF: CALL_REF_TYPE; cpa_pi_pd: INTEGER) PDU Type : ALERTING_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : ALERTING message with Progress Indicator as parameter			
Field Name	Field Value	Field Encoding	Comments
pd	PROTOCOL_DISCRIMINATOR_Q931		
cr	CR1 (FLAG, CALL_REF)		
mt	MT_ALERTING		
bcap	-		
efac	-		
chi	-		
fac	-		
pi1	PI_RS1 (cpa_pi_pd)		
pi2	-		
noid	-		
dsp	-		
ronn	-		
hlc	-		
uui	-		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : CN_S(FLAG: INTEGER; CALL_REF: CALL_REF_TYPE) PDU Type : CONNECT_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU			
Field Name	Field Value	Field Encoding	Comments
pd	PROTOCOL_DISCRIMINATOR_Q931		
cr	CR1(FLAG,CALL_REF)		
mt	MT_CONNECT		
bcap	-		
efac	-		
chi	-		
fac	-		
pi	-		
noid	-		
dsp	-		
dati	-		
codn	-		
cods	-		
ronn	-		
llc	-		
hlc	-		
uui	-		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : CN_S1(FLAG: INTEGER; CALL_REF: CALL_REF_TYPE; cpa_pi_pd: INTEGER) PDU Type : CONNECT_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : CONNECT message with Progress Indicator as parameter			
Field Name	Field Value	Field Encoding	Comments
pd	PROTOCOL_DISCRIMINATOR_Q931		
cr	CR1(FLAG,CALL_REF)		
mt	MT_CONNECT		
bcap	-		
efac	-		
chi	-		
fac	-		
pi	PI_RS1(cpa_pi_pd)		
noid	-		
dsp	-		
dati	-		
codn	-		
cods	-		
ronn	-		
llc	-		
hlc	-		
uui	-		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : CN_S2(FLAG: INTEGER; CALL_REF: CALL_REF_TYPE; cpa_llcl, cpa_llcv: OCTETSTRING) PDU Type : CONNECT_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : CONNECT message with Low Layer Capability as parameter			
Field Name	Field Value	Field Encoding	Comments
pd	PROTOCOL_DISCRIMINATOR_Q931		
cr	CR1(FLAG,CALL_REF)		
mt	MT_CONNECT		
bcap	-		
efac	-		
chi	-		
fac	-		
pi	-		
noid	-		
dsp	-		
dati	-		
codn	-		
cods	-		
ronn	-		
llc	LLC_RS1(cpa_llcl, cpa_llcv)		
hlc	-		
uui	-		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : CA_R1(FLAG: INTEGER; CALL_REF: CALL_REF_TYPE) PDU Type : CONNECT_ACK_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	PROTOCOL_DISCRIMINATOR_Q931		
cr	CR1(FLAG,CALL_REF)		
mt	MT_CONNECT_ACK		
efac	*		
fac	*		
noid	*		
dsp	*		
Detailed Comments : PDU with "don't care" values;			

PDU Constraint Declaration			
Constraint Name : CP_S1 (FLAG:INTEGER;CALL_REF:CALL_REF_TYPE) PDU Type : CALL_PROC_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send Call Proceeding with don't care values			
Field Name	Field Value	Field Encoding	Comments
pd	PROTOCOL_DISCRIMINATOR_Q931		
cr	CR1 (FLAG,CALL_REF)		
mt	MT_CALL_PROC		
bcap	-		
efac	-		
chi	-		
fac	-		
pi	-		
noid	-		
dsp	-		
hlc	-		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : CP_S2 (FLAG:INTEGER;CALL_REF:CALL_REF_TYPE; cpa_pi_pd:INTEGER) PDU Type : CALL_PROC_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Call Proc with a Progress Indicator description as parameter			
Field Name	Field Value	Field Encoding	Comments
pd	PROTOCOL_DISCRIMINATOR_Q931		
cr	CR1 (FLAG,CALL_REF)		
mt	MT_CALL_PROC		
bcap	-		
efac	-		
chi	-		
fac	-		
pi	PI_RS1 (cpa_pi_pd)		
noid	-		
dsp	-		
hlc	-		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : DI_R1(FLAG: INTEGER; CALL_REF: CALL_REF_TYPE) PDU Type : DISCONNECT_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	PROTOCOL_DISCRIMINATOR_Q931		
cr	CR1(FLAG,CALL_REF)		
mt	MT_DISCONNECT		
cau	CAU_R1		
efac	*		
fac	*		
pi	*		
noid	*		
dsp	*		
uui	*		
Detailed Comments : PDU with "don't care" values.			

PDU Constraint Declaration			
Constraint Name : DI_S1(FLAG: INTEGER; CALL_REF: CALL_REF_TYPE; cpa_cau_val: INTEGER) PDU Type : DISCONNECT_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : DISCONNECT message with a cause value as parameter			
Field Name	Field Value	Field Encoding	Comments
pd	PROTOCOL_DISCRIMINATOR_Q931		
cr	CR1(FLAG,CALL_REF)		
mt	MT_DISCONNECT		
cau	CAU_S1(cpa_cau_val)		
efac	-		
fac	-		
pi	-		
noid	-		
dsp	-		
uui	-		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : GFP_R1 (FLAG: INTEGER; CALL_REF: CALL_REF_TYPE) PDU Type : GFP_MSG_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	PROTOCOL_DISCRIMINATOR_Q931		
cr	CR1 (FLAG, CALL_REF)		
mt	?		
ie_list	*		
Detailed Comments : PDU with a valid CREF. Used for test cases where PDUs must be absorbed by the tester.			

PDU Constraint Declaration			
Constraint Name : IN_R (FLAG: INTEGER; CALL_REF: CALL_REF_TYPE) PDU Type : INFORMATION_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Receive PDU. Information message with don't care value.			
Field Name	Field Value	Field Encoding	Comments
pd	PROTOCOL_DISCRIMINATOR_Q931		
cr	CR1 (FLAG, CALL_REF)		
mt	MT_INFORMATION		
sci	*		
cau	*		
efac	*		
fac	*		
noid	*		
dsp	*		
kpf	*		
cdpn	*		
ronn	*		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : NO_R1(FLAG: INTEGER; CALL_REF: CALL_REF_TYPE) PDU Type : NOTIFY_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	PROTOCOL_DISCRIMINATOR_Q931		
cr	CR1(FLAG,CALL_REF)		
mt	MT_NOTIFY		
noid	NOID_R1		
dsp	*		
ronn	*		
Detailed Comments : PDU with "don't care" values in noid.			

PDU Constraint Declaration			
Constraint Name : PG_S1(FLAG:INTEGER; CALL_REF: CALL_REF_TYPE; cpa_pi_pd: INTEGER) PDU Type : PROGRESS_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : PROGRESS with Progress Indicator as parameter			
Field Name	Field Value	Field Encoding	Comments
pd	PROTOCOL_DISCRIMINATOR_Q931		
cr	CR1(FLAG,CALL_REF)		
mt	MT_PROGRESS		
bcap	-		
cau	-		
efac	-		
fac	-		
pi1	PI_RS1(cpa_pi_pd)		
pi2	-		
noid	-		
dsp	-		
ronn	-		
hlc	-		
uui	-		
Detailed Comments :			

PDU Constraint Declaration			
Constraint Name : RL_R1 (FLAG: INTEGER; CALL_REF: CALL_REF_TYPE) PDU Type : RELEASE_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	PROTOCOL_DISCRIMINATOR_Q931		
cr	CR1 (FLAG, CALL_REF)		
mt	MT_RELEASE		
cau	*		
efac	*		
fac	*		
noid	*		
dsp	*		
uui	*		
Detailed Comments : PDU with "don't care" values.			

PDU Constraint Declaration			
Constraint Name : RL_S1 (FLAG: INTEGER; CALL_REF: CALL_REF_TYPE; CVAL: INTEGER) PDU Type : RELEASE_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send RELEASE with cause value as parameter			
Field Name	Field Value	Field Encoding	Comments
pd	PROTOCOL_DISCRIMINATOR_Q931		
cr	CR1 (FLAG, CALL_REF)		
mt	MT_RELEASE		
cau	CAU_S1 (CVAL)		
efac	-		
fac	-		
noid	-		
dsp	-		
uui	-		
Detailed Comments : PDU with optional information element cau.			

PDU Constraint Declaration			
Constraint Name : RC_R1 (FLAG: INTEGER; CALL_REF: CALL_REF_TYPE) PDU Type : RELEASE_COM_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	PROTOCOL_DISCRIMINATOR_Q931		
cr	CR1 (FLAG, CALL_REF)		
mt	MT_RELEASE_COM		
cau	*		
efac	*		
fac	*		
noid	*		
dsp	*		
uui	*		
Detailed Comments : PDU with "don't care" values.			

PDU Constraint Declaration			
Constraint Name : RC_S1 (FLAG: INTEGER; CALL_REF: CALL_REF_TYPE) PDU Type : RELEASE_COM_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU			
Field Name	Field Value	Field Encoding	Comments
pd	PROTOCOL_DISCRIMINATOR_Q931		
cr	CR1 (FLAG, CALL_REF)		
mt	MT_RELEASE_COM		
cau	-		
efac	-		
fac	-		
noid	-		
dsp	-		
uui	-		
Detailed Comments : PDU without optional information elements.			

PDU Constraint Declaration			
Constraint Name : RC_S2(FLAG: INTEGER; CALL_REF: CALL_REF_TYPE; cpa_cau_val: INTEGER) PDU Type : RELEASE_COM_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Release Complete message with a cause parameter containing a cause value as parameter			
Field Name	Field Value	Field Encoding	Comments
pd	PROTOCOL_DISCRIMINATOR_Q931		
cr	CR1(FLAG,CALL_REF)		
mt	MT_RELEASE_COM		
cau	CAU_S1(cpa_cau_val)		
efac	-		
fac	-		
noid	-		
dsp	-		
uui	-		
Detailed Comments : PDU without optional information elements.			

PDU Constraint Declaration			
Constraint Name : RSA_S1(FLAG: INTEGER; CALL_REF: CALL_REF_TYPE; BCH: BITSTRING; BCH_RS: OCTETSTRING; LENGTH: BITSTRING; CLASS_VAL: INTEGER) PDU Type : RESTART_ACK_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU			
Field Name	Field Value	Field Encoding	Comments
pd	PROTOCOL_DISCRIMINATOR_Q931		
cr	CR1(FLAG,CALL_REF)		
mt	MT_RESTART_ACK		
chi	-		
chi_rs	ASSIGN_CHI_RS(CHI_RSb_S1(BCH), CHI_RSb_S1(BCH_RS,LENGTH), PC_BASIC)		
dsp	-		
ri	RI1(CLASS_VAL)		
Detailed Comments : PDU without optional parameters; CHI mandatory if RI indicates "Indicated channels".			

PDU Constraint Declaration			
Constraint Name : RSA_S2(FLAG: INTEGER; CALL_REF: CALL_REF_TYPE; CLASS_VAL: INTEGER) PDU Type : RESTART_ACK_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Send PDU			
Field Name	Field Value	Field Encoding	Comments
pd	PROTOCOL_DISCRIMINATOR_Q931		
cr	CR1(FLAG,CALL_REF)		
mt	MT_RESTART_ACK		
chi	-		
chi_rs	-		
dsp	-		
ri	RI1(CLASS_VAL)		
Detailed Comments : PDU without optional parameters; PDU that indicates "All interfaces" or "Single interface".			

PDU Constraint Declaration			
Constraint Name : RST_R1(FLAG: INTEGER; CALL_REF: CALL_REF_TYPE; CLASS_VAL: INTEGER) PDU Type : RESTART_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	PROTOCOL_DISCRIMINATOR_Q931		
cr	CR1(FLAG,CALL_REF)		
mt	MT_RESTART		
chi	-		
chi_rs	ASSIGN_CHI_RS(CHI_RSb_R1, CHI_RSp_R1, PC_BASIC)		
dsp	*		
ri	RI1(CLASS_VAL)		
Detailed Comments : PDU with "don't care" values; This PDU should only be received, if ri indicates "Indicated channels".			

PDU Constraint Declaration			
Constraint Name : RST_R2(FLAG: INTEGER; CALL_REF: CALL_REF_TYPE; CLASS_VAL: INTEGER) PDU Type : RESTART_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	PROTOCOL_DISCRIMINATOR_Q931		
cr	CR1(FLAG,CALL_REF)		
mt	MT_RESTART		
chi	-		
chi_rs	-		
dsp	*		
ri	RI1(CLASS_VAL)		
Detailed Comments : PDU with "don't care" values; PDU that indicates "All interfaces" or "Single interface".			

PDU Constraint Declaration			
Constraint Name : SQ_R1(FLAG: INTEGER; CALL_REF: CALL_REF_TYPE) PDU Type : STATUS_ENQ_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Receive PDU			
Field Name	Field Value	Field Encoding	Comments
pd	PROTOCOL_DISCRIMINATOR_Q931		
cr	CR1(FLAG,CALL_REF)		
mt	MT_STATUS_ENQ		
dsp	*		
Detailed Comments : PDU with "don't care" values.			

PDU Constraint Declaration			
Constraint Name : SU_R2(CHI_VAL: CHI) PDU Type : SETUP_PDU Derivation Path : Encoding Rule Name : Encoding Variation : Comments : Receive PDU with chi as parameter			
Field Name	Field Value	Field Encoding	Comments
pd	PROTOCOL_DISCRIMINATOR_Q931		
cr	CR_R1		
mt	MT_SETUP		
sci	*		
bcap_2r	-		
bcap	*		
bcap_2s	-		
efac	*		
chi	CHI_VAL		
fac	*		
pi	*		
nsf	*		
noid	*		
dsp	*		
kpf	*		
cgpn	*		
cgps	*		
cdpn	*		
cdps	*		
rngn	*		
tns	*		
llc	*		
hlc	*		
hlc_2	*		
uui	*		
Detailed Comments :			

CM Constraint Declaration		
Constraint Name : RDY		
CM Type : CP_M		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
CM_content	"READY"	
Detailed Comments :		

CM Constraint Declaration		
Constraint Name : S_MSG		
CM Type : CP_M		
Derivation Path :		
Comments : To trigger the sending of a message		
Parameter Name	Parameter Value	Comments
CM_content	"S_MSG"	
Detailed Comments :		

CM Constraint Declaration		
Constraint Name : STOP_PTC		
CM Type : CP_M		
Derivation Path :		
Comments : To stop the PTC test step		
Parameter Name	Parameter Value	Comments
CM_content	"STOP_PTC"	
Detailed Comments :		

IV

Dynamic Part

Test Case Dynamic Behaviour					
Test Case Name : TC314001					
Group : ISUP_DSS1/CPG/N09/					
Purpose : Ensure that the SUT in call state N9, having sent the ACM message, on receipt of a CALL PROCEEDING message for CES1 without any Progress indicator element, on receipt of a CALL PROCEEDING message for CES2 without Progress indicator element, sends no message.					
Configuration : CONFIG1					
Default : OtherwiseFail					
Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N09_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N09_1_ACM			
8		+PTC1_SYNC			
9		+PTC1_SYNC			
10		+PO_RR_1(1)			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N09_2_ACM			
13		+PTC2_SYNC			
14		START TNOAC			
15		?TIMEOUT TNOAC		(P)	(1)
16		+PTC2_SYNC			
17		+PO_SR_2			
		PTC3_IN			
18		ACTIVATE(OtherwiseFail_3(1))			
19		+PR_N00_3			
20		START TWAIT			
21		L3?SETUP_BROADCASTr (CREF := SETUP_BROADCASTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
22		+PTC3_SYNC			
23		L3!PDUs	Ms(CP_S1(1,CREF))		(2)
24		+PTC3_SYNC			
25		+PO_RR_3(1)			
26		?TIMEOUT TWAIT		(I)	no response
27		+PTC3_SYNC			
28		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) receive no message (2) CALL PROCEEDING message without progress indicator					

Test Case Dynamic Behaviour					
Test Case Name : TC314002_01 Group : ISUP_DSS1/CPG/N09/TC314002/ Purpose : Ensure that the SUT in call state N9, having sent the ACM message, on receipt of a CALL PROCEEDING message for CES1 without progress indicator element, on receipt of a CALL PROCEEDING message for CES2 with the progress indicator set to "Call is not end-to-end ISDN (#1)", sends the CPG message with the event indicator set to "Progress" and the ATP containing the progress indicator set to "Call is not end-to-end ISDN (#1)". Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N09_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N09_1_ACM			
8		+PTC1_SYNC			
9		+PTC1_SYNC			
10		+PO_RR_1(1)			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N09_2_ACM			
13		+PTC2_SYNC			
14		START TWAIT			
15		L2?P_PDUr CANCEL TWAIT	TrI (P_CPG_R2 (PXP_CIC_S,2,1))	(P)	(1)
16		+PTC2_SYNC			
17		+PO_SR_2			
18		?TIMEOUT TWAIT		(I)	
19		+PTC2_SYNC			
20		+PO_SR_2			
		PTC3_IN			
21		ACTIVATE(OtherwiseFail_3(1))			
22		+PR_N00_3			
23		START TWAIT			
24		L3?SETUP_BROADCASTTr (CREf := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
25		+PTC3_SYNC			
26		L3!PDUs	Ms(CP_S2(1,CREf,1))		(2)
27		+PTC3_SYNC			
28		+PO_RR_3(1)			
29		?TIMEOUT TWAIT		(I)	no response
30		+PTC3_SYNC			
31		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) CPG with event indicator set to "Progress" and with ATP containing a PI set to #1 (2) Call Proceeding with the Progress indicator description set to #1					

Test Case Dynamic Behaviour					
Test Case Name : TC314002_02 Group : ISUP_DSS1/CPG/N09/TC314002/ Purpose : Ensure that the SUT in call state N9, having sent the ACM message, on receipt of a CALL PROCEEDING message for CES1 without progress indicator element, on receipt of a CALL PROCEEDING message for CES2 with the progress indicator set to "Destination address is non-ISDN (#2)", sends the CPG message with the event indicator set to "Progress" and the ATP containing the progress indicator set to "Destination address is non-ISDN (#2)". Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N09_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
6		PTC1_IN			
7		ACTIVATE(OtherwiseFail_1(1))			
8		+PR_N09_1_ACM			
9		+PTC1_SYNC			
10		+PTC1_SYNC			
11		+PO_RR_1(1)			
12		PTC2_OUT			
13		ACTIVATE(OtherwiseFail_2)			
14		+PR_N09_2_ACM			
15		+PTC2_SYNC			
16		START TWAIT			
17		L2?P_PDUr CANCEL TWAIT	TrI (P_CPG_R2 (PXP_CIC_S,2,2))	(P)	(1)
18		+PTC2_SYNC			
19		+PO_SR_2			
20		?TIMEOUT TWAIT		(I)	
21		+PTC2_SYNC			
22		+PO_SR_2			
23		PTC3_IN			
24		ACTIVATE(OtherwiseFail_3(1))			
25		+PR_N00_3			
26		START TWAIT			
27		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr (SU_R2(CHib_R2))		
28		+PTC3_SYNC			
29		L3!PDUs	Ms(CP_S2(1,CREF,2))		(2)
30		+PTC3_SYNC			
31		+PO_RR_3(1)			
32		?TIMEOUT TWAIT		(I)	no response
33		+PTC3_SYNC			
34		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) CPG with event indicator set to "Progress" and with ATP containing a PI set to #2 (2) Call Proceeding with the Progress indicator description set to #2					

Test Case Dynamic Behaviour					
Test Case Name : TC314003_01 Group : ISUP_DSS1/CPG/N09/TC314003/ Purpose : Ensure that the SUT in call state N9, having sent the ACM message, on receipt of a CALL PROCEEDING message for CES1 without progress indicator element, on receipt of a CALL PROCEEDING message for CES2 with the progress indicator set to "Originating address is non-ISDN (#3)", sends no message. Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N09_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N09_1_ACM			
8		+PTC1_SYNC			
9		+PTC1_SYNC			
10		+PO_RR_1(1)			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N09_2_ACM			
13		+PTC2_SYNC			
14		START TNOAC			
15		?TIMEOUT TNOAC		(P)	(1)
16		+PTC2_SYNC			
17		+PO_SR_2			
		PTC3_IN			
18		ACTIVATE(OtherwiseFail_3(1))			
19		+PR_N00_3			
20		START TWAIT			
21		L3?SETUP_BROADCASTTr (CREf := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
22		+PTC3_SYNC			
23		L3!PDUs	Ms(CP_S2(1,CREf,3))		(2)
24		+PTC3_SYNC			
25		+PO_RR_3(1)			
26		?TIMEOUT TWAIT		(I)	no response
27		+PTC3_SYNC			
28		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) receive no message (2) Call Proceeding with the Progress indicator description set to #3					

Test Case Dynamic Behaviour					
Test Case Name : TC314003_02 Group : ISUP_DSS1/CPG/N09/TC314003/ Purpose : Ensure that the SUT in call state N9, having sent the ACM message, on receipt of a CALL PROCEEDING message for CES1 without progress indicator element, on receipt of a CALL PROCEEDING message for CES2 with the progress indicator set to "Call has returned to the ISDN (#4)", sends no message. Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N09_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N09_1_ACM			
8		+PTC1_SYNC			
9		+PTC1_SYNC			
10		+PO_RR_1(1)			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N09_2_ACM			
13		+PTC2_SYNC			
14		START TNOAC			
15		?TIMEOUT TNOAC		(P)	(1)
16		+PTC2_SYNC			
17		+PO_SR_2			
		PTC3_IN			
18		ACTIVATE(OtherwiseFail_3(1))			
19		+PR_N00_3			
20		START TWAIT			
21		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
22		+PTC3_SYNC			
23		L3!PDUs	Ms(CP_S2(1,CREF,4))		(2)
24		+PTC3_SYNC			
25		+PO_RR_3(1)			
26		?TIMEOUT TWAIT		(I)	no response
27		+PTC3_SYNC			
28		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) receive no message (2) Call Proceeding with the Progress indicator description set to #4					

Test Case Dynamic Behaviour					
Test Case Name : TC314003_03 Group : ISUP_DSS1/CPG/N09/TC314003/ Purpose : Ensure that the SUT in call state N9, having sent the ACM message, on receipt of a CALL PROCEEDING message for CES1 without progress indicator element, on receipt of a CALL PROCEEDING message for CES2 with the progress indicator set to "in-band information or appropriate pattern now available (#8)", sends no message. Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N09_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N09_1_ACM			
8		+PTC1_SYNC			
9		+PTC1_SYNC			
10		+PO_RR_1(1)			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N09_2_ACM			
13		+PTC2_SYNC			
14		START TNOAC			
15		?TIMEOUT TNOAC		(P)	(1)
16		+PTC2_SYNC			
17		+PO_SR_2			
		PTC3_IN			
18		ACTIVATE(OtherwiseFail_3(1))			
19		+PR_N00_3			
20		START TWAIT			
21		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
22		+PTC3_SYNC			
23		L3!PDUs	Ms(CP_S2(1,CREF,8))		(2)
24		+PTC3_SYNC			
25		+PO_RR_3(1)			
26		?TIMEOUT TWAIT		(I)	no response
27		+PTC3_SYNC			
28		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) receive no message (2) Call Proceeding with the Progress indicator description set to #8					

Test Case Dynamic Behaviour					
Test Case Name : TC314004_01 Group : ISUP_DSS1/CPG/N09/TC314004/ Purpose : Ensure that the SUT in call state N9, having sent the ACM message, on receipt of a CALL PROCEEDING message for CES1 without progress indicator element, on receipt of a CALL PROCEEDING message following by a PROGRESS message for CES2 with the progress indicator set to "Call is not end-to-end ISDN (#1)", sends the CPG message with the event indicator set to "Progress" and ATP containing the progress indicator set to "Call is not end-to-end ISDN (#1)". Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N09_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N09_1_ACM			
8		+PTC1_SYNC			
9		+PTC1_SYNC			
10		+PO_RR_1(1)			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N09_2_ACM			
13		+PTC2_SYNC			
14		START TWAIT			
15		L2?P_PDUr CANCEL TWAIT	TrI (P_CPG_R2 (PXP_CIC_S,2,1))	(P)	(1)
16		+PTC2_SYNC			
17		+PO_SR_2			
18		?TIMEOUT TWAIT		(I)	
19		+PTC2_SYNC			
20		+PO_SR_2			
		PTC3_IN			
21		ACTIVATE(OtherwiseFail_3(1))			
22		+PR_N00_3			
23		START TWAIT			
24		L3?SETUP_BROADCASTTr (CREf := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
25		+PTC3_SYNC			
26		L3!PDUs	Ms(CP_S1(1,CREf))		(2)
27		L3!PDUs	Ms(PG_S1(1,CREf,1))		(3)
28		+PTC3_SYNC			
29		+PO_RR_3(1)			
30		?TIMEOUT TWAIT		(I)	no response
31		+PTC3_SYNC			
32		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) CPG message with event indicator set to "Progress" and with ATP containing a PI set to #1 (2) CALL PROCEEDING without any Progress indicator (3) PROGRESS message with the Progress indicator description set to #1					

Test Case Dynamic Behaviour					
Test Case Name : TC314004_02 Group : ISUP_DSS1/CPG/N09/TC314004/ Purpose : Ensure that the SUT in call state N9, having sent the ACM message, on receipt of a CALL PROCEEDING message for CES1 without progress indicator element, on receipt of a CALL PROCEEDING message following by a PROGRESS message for CES2 with the progress indicator set to "Destination address is non-ISDN (#2)", sends the CPG message with the event indicator set to "Progress" and ATP containing the progress indicator set to "Destination address is non-ISDN (#2)". Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N09_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
6		PTC1_IN			
7		ACTIVATE(OtherwiseFail_1(1))			
8		+PR_N09_1_ACM			
9		+PTC1_SYNC			
10		+PTC1_SYNC			
11		+PO_RR_1(1)			
12		PTC2_OUT			
13		ACTIVATE(OtherwiseFail_2)			
14		+PR_N09_2_ACM			
15		+PTC2_SYNC			
16		START TWAIT			
17		L2?P_PDUr CANCEL TWAIT	TrI (P_CPG_R2 (PXP_CIC_S,2,2))	(P)	(1)
18		+PTC2_SYNC			
19		+PO_SR_2			
20		?TIMEOUT TWAIT		(I)	
21		+PTC2_SYNC			
22		+PO_SR_2			
23		PTC3_IN			
24		ACTIVATE(OtherwiseFail_3(1))			
25		+PR_N00_3			
26		START TWAIT			
27		L3?SETUP_BROADCASTTr (CREf := SETUP_BROADCASTTr.mun.cr.cr_r)	SBr(SU_R2(CHib_R2))		
28		CANCEL TWAIT			
29		+PTC3_SYNC			
30		L3!PDUs	Ms(CP_S1(1,CREf))		(2)
31		L3!PDUs	Ms(PG_S1(1,CREf,2))		(3)
32		+PTC3_SYNC			
33		+PO_RR_3(1)			
34		?TIMEOUT TWAIT		(I)	no response
35		+PTC3_SYNC			
36		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) CPG message with event indicator set to "Progress" and with ATP containing a PI set to #2 (2) CALL PROCEEDING without any Progress indicator (3) PROGRESS message with the Progress indicator description set to #2					

Test Case Dynamic Behaviour					
Test Case Name : TC314004_03 Group : ISUP_DSS1/CPG/N09/TC314004/ Purpose : Ensure that the SUT in call state N9, having sent the ACM message, on receipt of a CALL PROCEEDING message for CES1 without progress indicator element, on receipt of a CALL PROCEEDING message following by a PROGRESS message for CES2 with the progress indicator set to "Call has returned to the ISDN (#4)", sends the CPG message with the event indicator set to "Progress" and ATP containing the progress indicator set to "Call has returned to the ISDN (#4)". Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N09_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N09_1_ACM			
8		+PTC1_SYNC			
9		+PTC1_SYNC			
10		+PO_RR_1(1)			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N09_2_ACM			
13		+PTC2_SYNC			
14		START TWAIT			
15		L2?P_PDUr CANCEL TWAIT	TrI (P_CPG_R2 (PXP_CIC_S,2,4))	(P)	(1)
16		+PTC2_SYNC			
17		+PO_SR_2			
18		?TIMEOUT TWAIT		(I)	
19		+PTC2_SYNC			
20		+PO_SR_2			
		PTC3_IN			
21		ACTIVATE(OtherwiseFail_3(1))			
22		+PR_N00_3			
23		START TWAIT			
24		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
25		+PTC3_SYNC			
26		L3!PDUs	Ms(CP_S1(1,CREF))		(2)
27		L3!PDUs	Ms(PG_S1(1,CREF,4))		(3)
28		+PTC3_SYNC			
29		+PO_RR_3(1)			
30		?TIMEOUT TWAIT		(I)	no response
31		+PTC3_SYNC			
32		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) CPG message with event indicator set to "Progress" and with ATP containing a PI set to #4 (2) CALL PROCEEDING without any Progress indicator (3) PROGRESS message with the Progress indicator description set to #4					

Test Case Dynamic Behaviour					
Test Case Name : TC314005_01 Group : ISUP_DSS1/CPG/N09/TC314005/ Purpose : Ensure that the SUT in call state N9, having sent the ACM message, on receipt of a CALL PROCEEDING message for CES1 without progress indicator element, on receipt of a CALL PROCEEDING message following by a PROGRESS message for CES2 with the progress indicator set to "Originating address is non-ISDN (#3)", sends no message. Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N09_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N09_1_ACM			
8		+PTC1_SYNC			
9		+PTC1_SYNC			
10		+PO_RR_1(1)			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N09_2_ACM			
13		+PTC2_SYNC			
14		START TNOAC			
15		?TIMEOUT TNOAC		(P)	(1)
16		+PTC2_SYNC			
17		+PO_SR_2			
		PTC3_IN			
18		ACTIVATE(OtherwiseFail_3(1))			
19		+PR_N00_3			
20		START TWAIT			
21		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
22		+PTC3_SYNC			
23		L3!PDUs	Ms(CP_S1(1,CREF))		(2)
24		L3!PDUs	Ms(PG_S1(1,CREF,3))		(3)
25		+PTC3_SYNC			
26		+PO_RR_3(1)			
27		?TIMEOUT TWAIT		(I)	no response
28		+PTC3_SYNC			
29		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) receive no message (2) CALL PROCEEDING message without any Progress indicator (3) PROGRESS message with the Progress indicator description set to #3					

Test Case Dynamic Behaviour					
Test Case Name : TC314005_02 Group : ISUP_DSS1/CPG/N09/TC314005/ Purpose : Ensure that the SUT in call state N9, having sent the ACM message, on receipt of a CALL PROCEEDING message for CES1 without progress indicator element, on receipt of a CALL PROCEEDING message following by a PROGRESS message for CES2 with the progress indicator set to "in-band information or appropriate pattern now available (#8)", sends no message. Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N09_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N09_1_ACM			
8		+PTC1_SYNC			
9		+PTC1_SYNC			
10		+PO_RR_1(1)			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N09_2_ACM			
13		+PTC2_SYNC			
14		START TNOAC			
15		?TIMEOUT TNOAC		(P)	(1)
16		+PTC2_SYNC			
17		+PO_SR_2			
		PTC3_IN			
18		ACTIVATE(OtherwiseFail_3(1))			
19		+PR_N00_3			
20		START TWAIT			
21		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
22		+PTC3_SYNC			
23		L3!PDUs	Ms(CP_S1(1,CREF))		(2)
24		L3!PDUs	Ms(PG_S1(1,CREF,8))		(3)
25		+PTC3_SYNC			
26		+PO_RR_3(1)			
27		?TIMEOUT TWAIT		(I)	no response
28		+PTC3_SYNC			
29		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) receive no message (2) CALL PROCEEDING message without any Progress indicator (3) PROGRESS message with the Progress indicator description set to #8					

Test Case Dynamic Behaviour					
Test Case Name : TC314006 Group : ISUP_DSS1/CPG/N09/ Purpose : Ensure that the SUT in call state N9, having sent the ACM message, on receipt of a CALL PROCEEDING message for CES1 without progress indicator element, on receipt of an ALERTING message for CES2 without progress indicator element, sends the CPG message with the event indicator set to "alerting". Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N09_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N09_1_ACM			
8		+PTC1_SYNC			
9		+PTC1_SYNC			
10		+ PO_SR_1(1)			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N09_2_ACM			
13		+PTC2_SYNC			
14		START TWAIT			
15		L2?P_PDUR CANCEL TWAIT	TrI (P_CPG_R1 (PXP_CIC_S,1))	(P)	(1)
16		+PTC2_SYNC			
17		+ PO_SR_2			
18		?TIMEOUT TWAIT		(I)	
19		+PTC2_SYNC			
20		+PO_SR_2			
		PTC3_IN			
21		ACTIVATE(OtherwiseFail_3(1))			
22		+PR_N00_3			
23		START TWAIT			
24		L3?SETUP_BROADCASTTr (CREf := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
25		+PTC3_SYNC			
26		L3!PDUs	Ms(ALT_S1(1,CREf))		(2)
27		+PTC3_SYNC			
28		+ PO_SR_3(1)			
29		?TIMEOUT TWAIT		(I)	no response
30		+PTC3_SYNC			
31		+PO_SR_3(1)			postamble NO
Detailed Comments : (1) CPG with event indicator set to "Alerting" (2) ALERTING message without any Progress indicator					

Test Case Dynamic Behaviour					
Test Case Name : TC314007 Group : ISUP_DSS1/CPG/N09/ Purpose : Ensure that the SUT in call state N9, having sent the ACM message, on receipt of a CALL PROCEEDING message for CES1 without progress indicator element, on receipt of an ALERTING message for CES2 with the progress indicator set to "in-band information or appropriate pattern now available (#8)", sends the CPG message with the event indicator set to "alerting". Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N09_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
6		PTC1_IN			
7		ACTIVATE(OtherwiseFail_1(1))			
8		+PR_N09_1_ACM			
9		+PTC1_SYNC			
10		+PTC1_SYNC			
11		+PO_RR_1(1)			
12		PTC2_OUT			
13		ACTIVATE(OtherwiseFail_2)			
14		+PR_N09_2_ACM			
15		+PTC2_SYNC			
16		START TWAIT			
17		L2?P_PDUR CANCEL TWAIT	TrI (P_CPG_R1 (PXP_CIC_S,1))	(P)	(1)
18		+PTC2_SYNC			
19		+PO_SR_2			
20		?TIMEOUT TWAIT		(I)	
21		+PTC2_SYNC			
22		+PO_SR_2			
23		PTC3_IN			
24		ACTIVATE(OtherwiseFail_3(1))			
25		+PR_N00_3			
26		START TWAIT			
27		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r)	SBr(SU_R2(CHib_R2))		
28		CANCEL TWAIT			
29		+PTC3_SYNC			
30		L3!PDUs	Ms(ALT_S2(1,CREF,8))		(2)
31		+PTC3_SYNC			
32		+PO_RR_3(1)			
33		?TIMEOUT TWAIT		(I)	no response
34		+PTC3_SYNC			
35		+PO_SR_3(1)			postamble NO
Detailed Comments : (1) CPG with event indicator set to "Alerting" (2) ALERTING message with the Progress indicator description set to #8					

Test Case Dynamic Behaviour					
Test Case Name : TC314008_01 Group : ISUP_DSS1/CPG/N09/TC314008/ Purpose : Ensure that the SUT in call state N9, having sent the ACM message, on receipt of a CALL PROCEEDING message for CES1 without progress indicator element, on receipt of an ALERTING message for CES2 with the progress indicator set to "Call is not end-to-end ISDN (#1)", sends the CPG message with the event indicator set to "alerting" and the ATP containing the progress indicator set to "Call is not end-to-end ISDN (#1)". Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N09_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N09_1_ACM			
8		+PTC1_SYNC			
9		+PTC1_SYNC			
10		+PO_RR_1(1)			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N09_2_ACM			
13		+PTC2_SYNC			
14		START TWAIT			
15		L2?P_PDUr CANCEL TWAIT	TrI (P_CPG_R2 (PXP_CIC_S,1,1))	(P)	(1)
16		+PTC2_SYNC			
17		+PO_SR_2			
18		?TIMEOUT TWAIT		(I)	
19		+PTC1_SYNC			
20		+PO_SR_2			
		PTC3_IN			
21		ACTIVATE(OtherwiseFail_3(1))			
22		+PR_N00_3			
23		START TWAIT			
24		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
25		+PTC3_SYNC			
26		L3!PDUs	Ms(ALT_S2(1,CREF,1))		(2)
27		+PTC3_SYNC			
28		+PO_RR_3(1)			
29		?TIMEOUT TWAIT		(I)	no response
30		+PTC3_SYNC			
31		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) CPG with event indicator set to "Alerting" and with ATP containing a PI set to #1 (2) ALERTING message with the Progress indicator description set to #1					

Test Case Dynamic Behaviour					
Test Case Name : TC314008_02 Group : ISUP_DSS1/CPG/N09/TC314008/ Purpose : Ensure that the SUT in call state N9, having sent the ACM message, on receipt of a CALL PROCEEDING message for CES1 without progress indicator element, on receipt of an ALERTING message for CES2 with the progress indicator set to "Destination address is non-ISDN (#2)", sends the CPG message with the event indicator set to "alerting" and the ATP containing the progress indicator set to "Destination address is non-ISDN (#2)". Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N09_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
6		PTC1_IN			
7		ACTIVATE(OtherwiseFail_1(1))			
8		+PR_N09_1_ACM			
9		+PTC1_SYNC			
10		+PTC1_SYNC			
11		+PO_RR_1(1)			
12		PTC2_OUT			
13		ACTIVATE(OtherwiseFail_2)			
14		+PR_N09_2_ACM			
15		+PTC2_SYNC			
16		START TWAIT			
17		L2?P_PDUr CANCEL TWAIT	TrI (P_CPG_R2 (PXP_CIC_S,1,2))	(P)	(1)
18		+PTC2_SYNC			
19		+PO_SR_2			
20		?TIMEOUT TWAIT		(I)	
21		+PTC2_SYNC			
22		+PO_SR_2			
23		PTC3_IN			
24		ACTIVATE(OtherwiseFail_3(1))			
25		+PR_N00_3			
26		START TWAIT			
27		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr (SU_R2(CHib_R2))		
28		+PTC3_SYNC			
29		L3!PDUs	Ms (ALT_S2(1,CREF,2))		(2)
30		+PTC3_SYNC			
31		+PO_RR_3(1)			
32		?TIMEOUT TWAIT		(I)	no response
33		+PTC3_SYNC			
34		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) CPG with event indicator set to "Alerting" and with ATP containing a PI set to #2 (2) ALERTING message with the Progress indicator description set to #2					

Test Case Dynamic Behaviour					
Test Case Name : TC314008_03 Group : ISUP_DSS1/CPG/N09/TC314008/ Purpose : Ensure that the SUT in call state N9, having sent the ACM message, on receipt of a CALL PROCEEDING message for CES1 without progress indicator element, on receipt of an ALERTING message for CES2 with the progress indicator set to "Call has returned to the ISDN (#4)", sends the CPG message with the event indicator set to "alerting" and the ATP containing the progress indicator set to "Call has returned to the ISDN (#4)". Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N09_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N09_1_ACM			
8		+PTC1_SYNC			
9		+PTC1_SYNC			
10		+PO_RR_1(1)			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N09_2_ACM			
13		+PTC2_SYNC			
14		START TWAIT			
15		L2?P_PDUr CANCEL TWAIT	TrI (P_CPG_R2 (PXP_CIC_S,1,4))	(P)	(1)
16		+PTC2_SYNC			
17		+PO_SR_2			
18		?TIMEOUT TWAIT		(I)	
19		+PTC2_SYNC			
20		+PO_SR_2			
		PTC3_IN			
21		ACTIVATE(OtherwiseFail_3(1))			
22		+PR_N00_3			
23		START TWAIT			
24		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
25		+PTC3_SYNC			
26		L3!PDUs	Ms(ALT_S2(1,CREF,4))		(2)
27		+PTC3_SYNC			
28		+PO_RR_3(1)			
29		?TIMEOUT TWAIT		(I)	no response
30		+PTC3_SYNC			
31		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) CPG with event indicator set to "Alerting" and with ATP containing a PI set to #4 (2) ALERTING message with the Progress indicator description set to #4					

Test Case Dynamic Behaviour					
Test Case Name : TC314009 Group : ISUP_DSS1/CPG/N09/ Purpose : Ensure that the SUT in call state N6, having automatically sent the ACM message, on receipt of a CALL PROCEEDING message for CES1 with the progress indicator set to "Call is not end-to-end ISDN (#1)" and of a CALL PROCEEDING message for CES2 with the progress indicator set to "Destination address is non-ISDN (#2)", sends a CPG message with the event indicator set to "Progress" and the ATP containing the progress indicator set to "Call is not end-to-end ISDN (#1)". and sends a CPG message with the event indicator set to "Progress" and the ATP containing the progress indicator set to "Destination address is non-ISDN (#2)" Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N09_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			(1)
7		+PR_N09_1_ACM_1(1)			
8		+PTC1_SYNC			
9		+PTC1_SYNC			
10		+PO_RR_1(1)			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N06_2_ACM_AUTO			
13		START TWAIT			
14		L2?P_PDUr CANCEL TWAIT	TrI (P_CPG_R2 (PXP_CIC_S,2,1))	(P)	(2)
15		+PTC2_SYNC			
16		START TWAIT			
17		L2?P_PDUr CANCEL TWAIT	TrI (P_CPG_R2 (PXP_CIC_S,2,2))	(P)	(2)
18		+PO_SR_2			
19		?TIMEOUT TWAIT		(I)	
20		+PTC2_SYNC			
21		+PO_SR_2			
22		?TIMEOUT TWAIT		(I)	
23		+PTC2_SYNC			
24		+PO_SR_2			
		PTC3_IN			
25		ACTIVATE(OtherwiseFail_3(1))			
26		+PR_N00_3			
27		START TWAIT			
28		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr (SU_R2(CHib_R2))		
29		+PTC3_SYNC			
30		L3!PDUs	Ms (CP_S2(1,CREF,2))		(3)
31		+PTC3_SYNC			
32		+PO_RR_3(1)			
33		?TIMEOUT TWAIT		(I)	no response
34		+PTC3_SYNC			
35		+PO_SR_3(1)			postamble N0

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Test Case Dynamic Behaviour	
Detailed Comments	(1) Preamble for bringing the SUT to the call state N9, containing a CALL PROCEEDING with the Progress indicator description set to #1 (2) CPG with event indicator set to "Progress" and with ATP containing a PI set to #2 (3) CALL PROCEEDING with the Progress indicator description set to #2

Test Case Dynamic Behaviour					
Test Case Name : TC314010 Group : ISUP_DSS1/CPG/N09/ Purpose : Ensure that the SUT in call state N9, having sent the ACM message, on receipt of a CALL PROCEEDING message for CES1 with the progress indicator set to "Call is not end-to-end ISDN (#1)", on receipt of a CALL PROCEEDING message for CES2 with the progress indicator set to "Destination address is non-ISDN (#2)", sends the CPG message with the event indicator set to "Progress" and the ATP containing the progress indicator set to "Destination address is non-ISDN (#2)". Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N09_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
6		PTC1_IN			
7		ACTIVATE(OtherwiseFail_1(1))			(1)
8		+PR_N09_1_ACM_1(1)			
9		+PTC1_SYNC			
10		+PTC1_SYNC			
11		+PO_RR_1(1)			
12		PTC2_OUT			
13		ACTIVATE(OtherwiseFail_2)			
14		+PR_N09_2_ACM			
15		+PTC2_SYNC			
16		START TWAIT			
17		L2?P_PDUr CANCEL TWAIT	TrI (P_CPG_R2 (PXP_CIC_S,2,2))	(P)	(2)
18		+PTC2_SYNC			
19		+PO_SR_2			
20		?TIMEOUT TWAIT		(I)	
21		+PTC2_SYNC			
22		+PO_SR_2			
23		PTC3_IN			
24		ACTIVATE(OtherwiseFail_3(1))			
25		+PR_N00_3			
26		START TWAIT			
27		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r)	SBr(SU_R2(CHIb_R2))		
28		CANCEL TWAIT			
29		+PTC3_SYNC			
30		L3!PDUs	Ms(CP_S2(1,CREF,2))		(3)
31		+PTC3_SYNC			
32		+PO_RR_3(1)			
33		?TIMEOUT TWAIT		(I)	no response
34		+PTC3_SYNC			
35		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) Preamble for bringing the SUT to the call state N9, containing a CALL PROCEEDING with the Progress indicator description set to #1 (2) CPG with event indicator set to "Progress" and with ATP containing a PI set to #2 (3) CALL PROCEEDING with the Progress indicator description set to #2					

Test Case Dynamic Behaviour					
Test Case Name : TC314011_01 Group : ISUP_DSS1/CPG/N09/TC314011/ Purpose : Ensure that the SUT in call state N9, having automatically sent the ACM message, on receipt of a CALL PROCEEDING message for CES1 with the progress indicator set to "Destination address is non-ISDN (#2)" and of a CALL PROCEEDING message followed by a PROGRESS message for CES2 with the progress indicator set to "Call is not end-to-end ISDN (#1)", sends the CPG message with the event indicator set to "Progress" and the ATP containing the progress indicator set to "Destination address is non-ISDN (#2)" and sends the CPG message with the event indicator set to "Progress" and the ATP containing the progress indicator set to "Call is not end-to-end ISDN (#1)". Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N09_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			(1)
7		+PR_N09_1_ACM_1(2)			
8		+PTC1_SYNC			
9		+PTC1_SYNC			
10		+PO_RR_1(1)			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N06_2_ACM_AUTO			
13		START TWAIT			
14		L2?P_PDUr CANCEL TWAIT	TrI (P_CPG_R2 (PXP_CIC_S,2,2))	(P)	(2a)
15		+PTC2_SYNC			
16		START TWAIT			
17		L2?P_PDUr CANCEL TWAIT	TrI (P_CPG_R2 (PXP_CIC_S,2,1))	(P)	(2b)
18		+PO_SR_2			
19		?TIMEOUT TWAIT		(I)	
20		+PTC2_SYNC			
21		+PO_SR_2			
22		?TIMEOUT TWAIT		(I)	
23		+PTC2_SYNC			
24		+PO_SR_2			
		PTC3_IN			
25		ACTIVATE(OtherwiseFail_3(1))			
26		+PR_N00_3			
27		START TWAIT			
28		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
29		+PTC3_SYNC			
30		L3!PDUs	Ms(CP_S1(1,CREF))		(3)
31		L3!PDUs	Ms(PG_S1(1,CREF,1))		(4)
32		+PTC3_SYNC			
33		+PO_RR_3(1)			
34		?TIMEOUT TWAIT		(I)	no response
35		+PTC3_SYNC			
36		+PO_SR_3(1)			postamble NO

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Test Case Dynamic Behaviour

Detailed Comments : (1) Preamble for bringing the SUT to the call state N9, containing a CALL PROCEEDING with the Progress indicator description set to #2 (2a) CPG with event indicator set to "Progress" and with ATP containing a PI set to #2 (2b) CPG with event indicator set to "Progress" and with ATP containing a PI set to #1 (3) CALL PROCEEDING without any Progress indicator (4) PROGESS with the Progress indicator description set to #1

Test Case Dynamic Behaviour					
Test Case Name : TC314011_02 Group : ISUP_DSS1/CPG/N09/TC314011/ Purpose : Ensure that the SUT in call state N6, having automatically sent the ACM message, on receipt of a CALL PROCEEDING message for CES1 with the progress indicator set to "Destination address is non-ISDN (#2)" and of a CALL PROCEEDING message followed by a PROGRESS message for CES2 with the progress indicator set to "Call has returned to the ISDN (#4)", sends the CPG message with the event indicator set to "Progress" and the ATP containing the progress indicator set to "Destination address is non-ISDN (#2)" and sends the CPG message with the event indicator set to "Progress" and the ATP containing the progress indicator set to "Call has returned to the ISDN (#4)". Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N09_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
6		PTC1_IN			
7		ACTIVATE(OtherwiseFail_1(1))			(1)
8		+PR_N09_1_ACM_1(2)			
9		+PTC1_SYNC			
10		+PTC1_SYNC			
11		+PO_RR_1(1)			
12		PTC2_OUT			
13		ACTIVATE(OtherwiseFail_2)			
14		+PR_N06_2_ACM_AUTO			
15		START TWAIT			
16		L2?P_PDUr CANCEL TWAIT	TrI (P_CPG_R2 (PXP_CIC_S,2,2))	(P)	(2a)
17		+PTC2_SYNC			
18		START TWAIT			
19		L2?P_PDUr CANCEL TWAIT	TrI (P_CPG_R2 (PXP_CIC_S,2,4))	(P)	(2b)
20		+PO_SR_2			
21		?TIMEOUT TWAIT		(I)	
22		+PTC2_SYNC			
23		+PO_SR_2			
24		?TIMEOUT TWAIT		(I)	
25		+PTC2_SYNC			
26		+PO_SR_2			
27		PTC3_IN			
28		ACTIVATE(OtherwiseFail_3(1))			
29		+PR_N00_3			
30		START TWAIT			
31		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
32		+PTC3_SYNC			
33		L3!PDUs	Ms(CP_S1(1,CREF))		(3)
34		L3!PDUs	Ms(PG_S1(1,CREF,4))		(4)
35		+PTC3_SYNC			
36		+PO_RR_3(1)			
37		?TIMEOUT TWAIT		(I)	no response
38		+PTC3_SYNC			
39		+PO_SR_3(1)			
40					postamble NO

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Test Case Dynamic Behaviour

Detailed Comments : (1) Preamble for bringing the SUT to the call state N9, containing a CALL PROCEEDING with the Progress indicator description set to #2 (2a) CPG with event indicator set to "Progress" and with ATP containing a PI set to #2 (2b) CPG with event indicator set to "Progress" and with ATP containing a PI set to #4 (3) CALL PROCEEDING without any Progress indicator (4) PROGRESS with the Progress indicator description set to #4

Test Case Dynamic Behaviour					
Test Case Name : TC314012_01 Group : ISUP_DSS1/CPG/N09/TC314012/ Purpose : Ensure that the SUT in call state N9, having sent the ACM message, on receipt of a CALL PROCEEDING message for CES1 with the progress indicator set to "Destination address is non-ISDN (#2)", on receipt of a CALL PROCEEDING message followed by a PROGRESS message for CES2 with the progress indicator set to "Call is not end-to-end ISDN (#1)", sends the CPG message with the event indicator set to "Progress" and the ATP containing the progress indicator set to "Call is not end-to-end ISDN (#1)". Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N09_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			(1)
7		+PR_N09_1_ACM_1(2)			
8		+PTC1_SYNC			
9		+PTC1_SYNC			
10		+PO_RR_1(1)			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N09_2_ACM			
13		+PTC2_SYNC			
14		START TWAIT			
15		L2?P_PDUr CANCEL TWAIT	TrI (P_CPG_R2 (PXP_CIC_S,2,1))	(P)	(2)
16		+PTC2_SYNC			
17		+PO_SR_2			
18		?TIMEOUT TWAIT		(I)	
19		+PTC2_SYNC			
20		+PO_SR_2			
		PTC3_IN			
21		ACTIVATE(OtherwiseFail_3(1))			
22		+PR_N00_3			
23		START TWAIT			
24		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
25		+PTC3_SYNC			
26		L3!PDUs	Ms(CP_S1(1,CREF))		(3)
27		L3!PDUs	Ms(PG_S1(1,CREF,1))		(4)
28		+PTC3_SYNC			
29		+PO_RR_3(1)			
30		?TIMEOUT TWAIT		(I)	no response
31		+PTC3_SYNC			
32		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) Preamble for bringing the SUT to the call state N9, containing a CALL PROCEEDING with the Progress indicator description set to #2 (2) CPG with event indicator set to "Progress" and with ATP containing a PI set to #1 (3) CALL PROCEEDING without any Progress indicator (4) PROGRESS with the Progress indicator description set to #1					

Test Case Dynamic Behaviour					
Test Case Name : TC314012_02 Group : ISUP_DSS1/CPG/N09/TC314012/ Purpose : Ensure that the SUT in call state N9, having sent the ACM message, on receipt of a CALL PROCEEDING message for CES1 with the progress indicator set to "Destination address is non-ISDN (#2)", on receipt of a CALL PROCEEDING message followed by a PROGRESS message for CES2 with the progress indicator set to "Call has returned to the ISDN (#4)", sends the CPG message with the event indicator set to "Progress" and the ATP containing the progress indicator set to "Call has returned to the ISDN (#4)". Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N09_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
6		PTC1_IN			
7		ACTIVATE(OtherwiseFail_1(1))			(1)
8		+PR_N09_1_ACM_1(2)			
9		+PTC1_SYNC			
10		+PTC1_SYNC			
11		+PO_RR_1(1)			
12		PTC2_OUT			
13		ACTIVATE(OtherwiseFail_2)			
14		+PR_N09_2_ACM			
15		+PTC2_SYNC			
16		START TWAIT			
17		L2?P_PDUr CANCEL TWAIT	TrI (P_CPG_R2 (PXP_CIC_S,2,4))	(P)	(2)
18		+PTC2_SYNC			
19		+PO_SR_2			
20		?TIMEOUT TWAIT		(I)	
21		+PTC2_SYNC			
22		+PO_SR_2			
23		PTC3_IN			
24		ACTIVATE(OtherwiseFail_3(1))			
25		+PR_N00_3			
26		START TWAIT			
27		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
28		+PTC3_SYNC			
29		L3!PDUs	Ms(CP_S1(1,CREF))		(3)
30		L3!PDUs	Ms(PG_S1(1,CREF,4))		(4)
31		+PTC3_SYNC			
32		+PO_RR_3(1)			
33		?TIMEOUT TWAIT		(I)	no response
34		+PTC3_SYNC			
35		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) Preamble for bringing the SUT to the call state N9, containing a CALL PROCEEDING with the Progress indicator description set to #2 (2) CPG with event indicator set to "Progress" and with ATP containing a PI set to #4 (3) CALL PROCEEDING without any Progress indicator (4) PROGRESS with the Progress indicator description set to #4					

Test Case Dynamic Behaviour					
Test Case Name : TC314013 Group : ISUP_DSS1/CPG/N07/ Purpose : Ensure that the SUT in call state N7, having sent the ACM message, and having sent the CPG message on receipt of an ALERTING message for CES1 without progress indicator element, on receipt of a CALL PROCEEDING message for CES2 without progress indicator, sends no message. Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N07_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N07_1			
8		+PTC1_SYNC			
9		+PTC1_SYNC			
10		+PO_RR_1(1)			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N07_2			
13		+PTC2_SYNC			
14		START TNOAC			
15		?TIMEOUT TNOAC		(P)	
16		+PTC2_SYNC			
17		+PO_SR_2			
		PTC3_IN			
18		ACTIVATE(OtherwiseFail_3(1))			
19		+PR_N00_3			
20		START TWAIT			
21		L3?SETUP_BROADCASTTr (CREf := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
22		+PTC3_SYNC			
23		L3!PDUs	Ms(CP_S1(1,CREf))		(2)
24		+PTC3_SYNC			
25		+PO_RR_3(1)			
26		?TIMEOUT TWAIT		(I)	no response
27		+PTC3_SYNC			
28		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) CPG message with event indicator set to "Alerting" (2) CALL PROCEEDING message without any progress indicator					

Test Case Dynamic Behaviour					
Test Case Name : TC314014 Group : ISUP_DSS1/CPG/N07/ Purpose : Ensure that the SUT in call state N7, having sent the ACM message, and having sent the CPG message on receipt of an ALERTING message for CES1 without progress indicator element, on receipt of an ALERTING message for CES2 without progress indicator, sends no message. Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N07_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N07_1			
8		+PTC1_SYNC			
9		+PTC1_SYNC			
10		+PO_RR_1(1)			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N07_2			
13		+PTC2_SYNC			
14		START TNOAC			
15		?TIMEOUT TNOAC		(P)	
16		+PTC2_SYNC			
17		+PO_SR_2			
		PTC3_IN			
18		ACTIVATE(OtherwiseFail_3(1))			
19		+PR_N00_3			
20		START TWAIT			
21		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
22		+PTC3_SYNC			
23		L3!PDUs	Ms(ALT_S1(1,CREF))		(2)
24		+PTC3_SYNC			
25		+PO_RR_3(1)			
26		?TIMEOUT TWAIT		(I)	no response
27		+PTC3_SYNC			
28		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) CPG message with event indicator set to "Alerting" (2) ALERTING message without any progress indicator					

Test Case Dynamic Behaviour					
Test Case Name : TC314015_01 Group : ISUP_DSS1/CPG/N07/TC314015/ Purpose : Ensure that the SUT in call state N7, having sent the ACM message, and having sent the CPG message on receipt of an ALERTING message for CES1 without progress indicator element, on receipt of an ALERTING message for CES2 with the progress indicator set to "Call is not end-to-end ISDN (#1)", sends no message. Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N07_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N07_1			
8		+PTC1_SYNC			
9		+PTC1_SYNC			
10		+PO_RR_1(1)			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N07_2			
13		+PTC2_SYNC			
14		START TNOAC			
15		?TIMEOUT TNOAC		(P)	
16		+PTC2_SYNC			
17		+PO_SR_2			
		PTC3_IN			
18		ACTIVATE(OtherwiseFail_3(1))			
19		+PR_N00_3			
20		START TWAIT			
21		L3?SETUP_BROADCASTTr (CREf := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
22		+PTC3_SYNC			
23		L3!PDUs	Ms(ALT_S2(1,CREf,1))		(2)
24		+PTC3_SYNC			
25		+PO_RR_3(1)			
26		?TIMEOUT TWAIT		(I)	no response
27		+PTC3_SYNC			
28		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) CPG message with event indicator set to "Alerting" (2) ALERTING message with progress indicator set to "Call is not end-to-end ISDN (#1)"					

Test Case Dynamic Behaviour					
Test Case Name : TC314015_02 Group : ISUP_DSS1/CPG/N07/TC314015/ Purpose : Ensure that the SUT in call state N7, having sent the ACM message, and having sent the CPG message on receipt of an ALERTING message for CES1 without progress indicator element, on receipt of an ALERTING message for CES2 with the progress indicator set to "Destination address is non-ISDN (#2)", sends no message. Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N07_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N07_1			
8		+PTC1_SYNC			
9		+PTC1_SYNC			
10		+PO_RR_1(1)			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N07_2			
13		+PTC2_SYNC			
14		START TNOAC			
15		?TIMEOUT TNOAC		(P)	
16		+PTC2_SYNC			
17		+PO_SR_2			
		PTC3_IN			
18		ACTIVATE(OtherwiseFail_3(1))			
19		+PR_N00_3			
20		START TWAIT			
21		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
22		+PTC3_SYNC			
23		L3!PDUs	Ms(ALT_S2(1,CREF,2))		(2)
24		+PTC3_SYNC			
25		+PO_RR_3(1)			
26		?TIMEOUT TWAIT		(I)	no response
27		+PTC3_SYNC			
28		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) CPG message with event indicator set to "Alerting" (2) ALERTING message with progress indicator set to "Destination address is non-ISDN (#2)"					

Test Case Dynamic Behaviour					
Test Case Name : TC314015_03 Group : ISUP_DSS1/CPG/N07/TC314015/ Purpose : Ensure that the SUT in call state N7, having sent the ACM message, and having sent the CPG message on receipt of an ALERTING message for CES1 without progress indicator element, on receipt of an ALERTING message for CES2 with the progress indicator set to "Call has returned to the ISDN (#4)", sends no message. Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N07_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N07_1			
8		+PTC1_SYNC			
9		+PTC1_SYNC			
10		+PO_RR_1(1)			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N07_2			
13		+PTC2_SYNC			
14		START TNOAC			
15		?TIMEOUT TNOAC		(P)	
16		+PTC2_SYNC			
17		+PO_SR_2			
		PTC3_IN			
18		ACTIVATE(OtherwiseFail_3(1))			
19		+PR_N00_3			
20		START TWAIT			
21		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
22		+PTC3_SYNC			
23		L3!PDUs	Ms(ALT_S2(1,CREF,4))		(2)
24		+PTC3_SYNC			
25		+PO_RR_3(1)			
26		?TIMEOUT TWAIT		(I)	no response
27		+PTC3_SYNC			
28		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) CPG message with event indicator set to "Alerting" (2) ALERTING message with progress indicator set to "Call has returned to the ISDN (#4)"					

Test Case Dynamic Behaviour					
Test Case Name : TC314015_04 Group : ISUP_DSS1/CPG/N07/TC314015/ Purpose : Ensure that the SUT in call state N7, having sent the ACM message, and having sent the CPG message on receipt of an ALERTING message for CES1 without progress indicator element, on receipt of an ALERTING message for CES2 with the progress indicator set to "in-band information or appropriate pattern now available (#8)", sends no message. Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N07_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N07_1			
8		+PTC1_SYNC			
9		+PTC1_SYNC			
10		+PO_RR_1(1)			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N07_2			
13		+PTC2_SYNC			
14		START TNOAC			
15		?TIMEOUT TNOAC		(P)	
16		+PTC2_SYNC			
17		+PO_SR_2			
		PTC3_IN			
18		ACTIVATE(OtherwiseFail_3(1))			
19		+PR_N00_3			
20		START TWAIT			
21		L3?SETUP_BROADCASTTr (CREf := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
22		+PTC3_SYNC			
23		L3!PDUs	Ms(ALT_S2(1,CREf,8))		(2)
24		+PTC3_SYNC			
25		+PO_RR_3(1)			
26		?TIMEOUT TWAIT		(I)	no response
27		+PTC3_SYNC			
28		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) CPG message with event indicator set to "Alerting" (2) ALERTING message with progress indicator set to "Originating address is non-ISDN (#3)"					

Test Case Dynamic Behaviour					
Test Case Name : TC314016_01 Group : ISUP_DSS1/CPG/N07/TC314016/ Purpose : Ensure that the SUT in call state N7, having sent the ACM message, and having sent the CPG message on receipt of an ALERTING message for CES1 without progress indicator element, on receipt of a CALL PROCEEDING message for CES2 with the progress indicator set to "Call is not end-to-end ISDN (#1)", sends the CPG message with the event indicator set to "Progress" and the ATP containing the progress indicator set to "Call is not end-to-end ISDN (#1)". Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N07_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N07_1			
8		+PTC1_SYNC			
9		+PTC1_SYNC			
10		+PO_RR_1(1)			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N07_2			
13		+PTC2_SYNC			
14		START TWAIT			
15		L2?P_PDUr CANCEL TWAIT	TrI (P_CPG_R2 (PXP_CIC_S,2,1))	(P)	(2)
16		+PTC2_SYNC			
17		+PO_SR_2			
18		?TIMEOUT TWAIT		(I)	
19		+PTC2_SYNC			
20		+PO_SR_2			
		PTC3_IN			
21		ACTIVATE(OtherwiseFail_3(1))			
22		+PR_N00_3			
23		START TWAIT			
24		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
25		+PTC3_SYNC			
26		L3!PDUs	Ms(CP_S2(1,CREF,1))		(3)
27		+PTC3_SYNC			
28		+PO_RR_3(1)			
29		?TIMEOUT TWAIT		(I)	no response
30		+PTC3_SYNC			
31		+PO_SR_3(1)			postamble NO
Detailed Comments : (1) CPG message with event indicator set to "Alerting" (2) CPG with event indicator set to "Progress" and with progress indicator set to "Call is not end-to-end ISDN (#1)" (3) CALL PROCEEDING message with progress indicator set to "Call is not end-to-end ISDN (#1)"					

Test Case Dynamic Behaviour					
Test Case Name : TC314016_02 Group : ISUP_DSS1/CPG/N07/TC314016/ Purpose : Ensure that the SUT in call state N7, having sent the ACM message, and having sent the CPG message on receipt of an ALERTING message for CES1 without progress indicator element, on receipt of a CALL PROCEEDING message for CES2 with the progress indicator set to "Destination address is non-ISDN (#2)", sends the CPG message with the event indicator set to "Progress" and the ATP containing the progress indicator set to "Destination address is non-ISDN (#2)". Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N07_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
6		PTC1_IN			
7		ACTIVATE(OtherwiseFail_1(1))			
8		+PR_N07_1			
9		+PTC1_SYNC			
10		+PTC1_SYNC			
11		+PO_RR_1(1)			
12		PTC2_OUT			
13		ACTIVATE(OtherwiseFail_2)			
14		+PR_N07_2			
15		+PTC2_SYNC			
16		START TWAIT			
17		L2?P_PDUr CANCEL TWAIT	TrI (P_CPG_R2 (PXP_CIC_S,2,2))	(P)	(2)
18		+PTC2_SYNC			
19		+PO_SR_2			
20		?TIMEOUT TWAIT		(I)	
21		+PTC2_SYNC			
22		+PO_SR_2			
23		PTC3_IN			
24		ACTIVATE(OtherwiseFail_3(1))			
25		+PR_N00_3			
26		START TWAIT			
27		L3?SETUP_BROADCASTTr (CREf := SETUP_BROADCASTTr.mun.cr.cr_r)	SBr(SU_R2(CHib_R2))		
28		CANCEL TWAIT			
29		+PTC3_SYNC			
30		L3!PDUs	Ms(CP_S2(1,CREf,2))		(3)
31		+PTC3_SYNC			
32		+PO_RR_3(1)			
33		?TIMEOUT TWAIT		(I)	no response
34		+PTC3_SYNC			
35		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) CPG message with event indicator set to "Alerting" (2) CPG with event indicator set to "Progress" and with progress indicator set to " Destination address is non-ISDN (#2)" (3) CALL PROCEEDING message with progress indicator set to " Destination address is non-ISDN (#2)"					

Test Case Dynamic Behaviour					
Test Case Name : TC314017_01 Group : ISUP_DSS1/CPG/N07/TC314017/ Purpose : Ensure that the SUT in call state N7, having sent the ACM message, and having sent the CPG message on receipt of an ALERTING message for CES1 without progress indicator element, on receipt of a CALL PROCEEDING message for CES2 with the progress indicator set to "Originating address is non-ISDN (#3)", sends no message. Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N07_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N07_1			
8		+PTC1_SYNC			
9		+PTC1_SYNC			
10		+PO_RR_1(1)			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N07_2			
13		+PTC2_SYNC			
14		START TNOAC			
15		?TIMEOUT TNOAC		(P)	
16		+PTC2_SYNC			
17		+PO_SR_2			
		PTC3_IN			
18		ACTIVATE(OtherwiseFail_3(1))			
19		+PR_N00_3			
20		START TWAIT			
21		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
22		+PTC3_SYNC			
23		L3!PDUs	Ms(CP_S2(1,CREF,3))		(2)
24		+PTC3_SYNC			
25		+PO_RR_3(1)			
26		?TIMEOUT TWAIT		(I)	no response
27		+PTC3_SYNC			
28		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) CPG message with event indicator set to "Alerting" (2) CALL PROCEEDING message with progress indicator set to "Originating address is non-ISDN (#3)"					

Test Case Dynamic Behaviour					
Test Case Name : TC314017_02 Group : ISUP_DSS1/CPG/N07/TC314017/ Purpose : Ensure that the SUT in call state N7, having sent the ACM message, and having sent the CPG message on receipt of an ALERTING message for CES1 without progress indicator element, on receipt of a CALL PROCEEDING message for CES2 with the progress indicator set to "Call has returned to the ISDN (#4)", sends no message. Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N07_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N07_1			
8		+PTC1_SYNC			
9		+PTC1_SYNC			
10		+PO_RR_1(1)			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N07_2			
13		+PTC2_SYNC			
14		START TNOAC			
15		?TIMEOUT TNOAC		(P)	
16		+PTC2_SYNC			
17		+PO_SR_2			
		PTC3_IN			
18		ACTIVATE(OtherwiseFail_3(1))			
19		+PR_N00_3			
20		START TWAIT			
21		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
22		+PTC3_SYNC			
23		L3!PDUs	Ms(CP_S2(1,CREF,4))		(2)
24		+PTC3_SYNC			
25		+PO_RR_3(1)			
26		?TIMEOUT TWAIT		(I)	no response
27		+PTC3_SYNC			
28		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) CPG message with event indicator set to "Alerting" (2) CALL PROCEEDING message with progress indicator set to "Call has returned to the ISDN (#4)"					

Test Case Dynamic Behaviour					
Test Case Name : TC314017_03 Group : ISUP_DSS1/CPG/N07/TC314017/ Purpose : Ensure that the SUT in call state N7, having sent the ACM message, and having sent the CPG message on receipt of an ALERTING message for CES1 without progress indicator element, on receipt of a CALL PROCEEDING message for CES2 with the progress indicator set to "in-band information or appropriate pattern now available (#8)", sends no message. Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N07_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N07_1			
8		+PTC1_SYNC			
9		+PTC1_SYNC			
10		+PO_RR_1(1)			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N07_2			
13		+PTC2_SYNC			
14		START TNOAC			
15		?TIMEOUT TNOAC		(P)	
16		+PTC2_SYNC			
17		+PO_SR_2			
		PTC3_IN			
18		ACTIVATE(OtherwiseFail_3(1))			
19		+PR_N00_3			
20		START TWAIT			
21		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
22		+PTC3_SYNC			
23		L3!PDUs	Ms(CP_S2(1,CREF,8))		(2)
24		+PTC3_SYNC			
25		+PO_RR_3(1)			
26		?TIMEOUT TWAIT		(I)	no response
27		+PTC3_SYNC			
28		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) CPG message with event indicator set to "Alerting" (2) CALL PROCEEDING message with progress indicator set to "in-band information or appropriate pattern now available (#8)"					

Test Case Dynamic Behaviour

Test Case Name : TC314018_01
Group : ISUP_DSS1/CPG/N07/TC314018/
Purpose : Ensure that the SUT in call state N7, having sent the ACM message, and having sent the CPG message on receipt of an ALERTING message for CES1 without progress indicator element, on receipt of a CALL PROCEEDING message followed by a PROGRESS message for CES2 with the progress indicator set to "Call is not end-to-end ISDN (#1)", sends the CPG message with the event indicator set to "Progress" and the ATP containing the progress indicator set to "Call is not end-to-end ISDN (#1)".
Configuration : CONFIG1
Default : OtherwiseFail
Comments : Q.699 [3] subclause 3.1.1.4,
ETS 300 403-1 [1] subclause 5.2.5
Q.764 [4] subclause 2.1.4

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N07_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N07_1			
8		+PTC1_SYNC			
9		+PTC1_SYNC			
10		+PO_RR_1(1)			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N07_2			
13		+PTC2_SYNC			
14		START TWAIT			
15		L2?P_PDUr CANCEL TWAIT	TrI (P_CPG_R2 (PXP_CIC_S,2,1))	(P)	(2)
16		+PTC2_SYNC			
17		+PO_SR_2			
18		?TIMEOUT TWAIT		(I)	
19		+PTC2_SYNC			
20		+PO_SR_2			
		PTC3_IN			
21		ACTIVATE(OtherwiseFail_3(1))			
22		+PR_N00_3			
23		START TWAIT			
24		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
25		+PTC3_SYNC			
26		L3!PDUs	Ms(CP_S1(1,CREF))		(3)
27		L3!PDUs	Ms(PG_S1(1,CREF,1))		(4)
28		+PTC3_SYNC			
29		+PO_RR_3(1)			
30		?TIMEOUT TWAIT		(I)	no response
31		+PTC3_SYNC			
32		+PO_SR_3(1)			postamble N0

Detailed Comments : (1) CPG message with event indicator set to "Alerting"
(2) CPG with event indicator set to "Progress" and with progress indicator set to "Call is not end-to-end ISDN (#1)"
(3) CALL PROCEEDING message without any progress indicator
(4) PROGRESS message with progress indicator set to "Call is not end-to-end ISDN (#1)"

Test Case Dynamic Behaviour					
Test Case Name : TC314018_02 Group : ISUP_DSS1/CPG/N07/TC314018/ Purpose : Ensure that the SUT in call state N7, having sent the ACM message, and having sent the CPG message on receipt of an ALERTING message for CES1 without progress indicator element, on receipt of a CALL PROCEEDING message followed by a PROGRESS message for CES2 with the progress indicator set to "Destination address is non-ISDN (#2)", sends the CPG message with the event indicator set to "Progress" and the ATP containing the progress indicator set to "Destination address is non-ISDN (#2)". Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N07_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N07_1			
8		+PTC1_SYNC			
9		+PTC1_SYNC			
10		+PO_RR_1(1)			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N07_2			
13		+PTC2_SYNC			
14		START TWAIT			
15		L2?P_PDUr CANCEL TWAIT	TrI (P_CPG_R2 (PXP_CIC_S,2,2))	(P)	(2)
16		+PTC2_SYNC			
17		+PO_SR_2			
18		?TIMEOUT TWAIT		(I)	
19		+PTC2_SYNC			
20		+PO_SR_2			
		PTC3_IN			
21		ACTIVATE(OtherwiseFail_3(1))			
22		+PR_N00_3			
23		START TWAIT			
24		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHIb_R2))		
25		+PTC3_SYNC			
26		L3!PDUs	Ms(CP_S1(1,CREF))		(3)
27		L3!PDUs	Ms(PG_S1(1,CREF,2))		(4)
28		+PTC3_SYNC			
29		+PO_RR_3(1)			
30		?TIMEOUT TWAIT		(I)	no response
31		+PTC3_SYNC			
32		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) CPG message with event indicator set to "Alerting" (2) CPG with event indicator set to "Progress" and with progress indicator set to "Destination address is non-ISDN (#2)" (3) CALL PROCEEDING message without any progress indicator (4) PROGRESS message with progress indicator set to "Destination address is non-ISDN (#2)"					

Test Case Dynamic Behaviour					
Test Case Name : TC314019_01 Group : ISUP_DSS1/CPG/N07/TC314019/ Purpose : Ensure that the SUT in call state N7, having sent the ACM message, and having sent the CPG message on receipt of an ALERTING message for CES1 without progress indicator element, on receipt of a CALL PROCEEDING message without progress indicator element followed by a PROGRESS message for CES2 with the progress indicator set to "Originating address is non-ISDN (#3)", sends no message. Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N07_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N07_1			
8		+PTC1_SYNC			
9		+PTC1_SYNC			
10		+PO_RR_1(1)			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N07_2			
13		+PTC2_SYNC			
14		START TNOAC			
15		?TIMEOUT TNOAC		(P)	
16		+PTC2_SYNC			
17		+PO_SR_2			
		PTC3_IN			
18		ACTIVATE(OtherwiseFail_3(1))			
19		+PR_N00_3			
20		START TWAIT			
21		L3?SETUP_BROADCASTTr (CREf := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
22		+PTC3_SYNC			
23		L3!PDUs	Ms(CP_S1(1,CREf))		(2)
24		L3!PDUs	Ms(PG_S1(1,CREf,3))		(3)
25		+PTC3_SYNC			
26		+PO_RR_3(1)			
27		?TIMEOUT TWAIT		(I)	no response
28		+PTC3_SYNC			
29		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) CPG message with event indicator set to "Alerting" (2) CALL PROCEEDING message without any progress indicator (3) PROGRESS message with progress indicator set to " Originating address is non-ISDN (#3)"					

Test Case Dynamic Behaviour					
Test Case Name : TC314019_02 Group : ISUP_DSS1/CPG/N07/TC314019/ Purpose : Ensure that the SUT in call state N7, having sent the ACM message, and having sent the CPG message on receipt of an ALERTING message for CES1 without progress indicator element, on receipt of a CALL PROCEEDING message without progress indicator element followed by a PROGRESS message for CES2 with the progress indicator set to "Call has returned to the ISDN (#4)", sends no message. Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N07_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
6		PTC1_IN			
7		ACTIVATE(OtherwiseFail_1(1))			
8		+PR_N07_1			
9		+PTC1_SYNC			
10		+PTC1_SYNC			
11		+PO_RR_1(1)			
12		PTC2_OUT			
13		ACTIVATE(OtherwiseFail_2)			
14		+PR_N07_2			
15		+PTC2_SYNC			
16		START TNOAC			
17		?TIMEOUT TNOAC		(P)	
18		+PTC2_SYNC			
19		+PO_SR_2			
20		PTC3_IN			
21		ACTIVATE(OtherwiseFail_3(1))			
22		+PR_N00_3			
23		START TWAIT			
24		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r)	SBr(SU_R2(CHIb_R2))		
25		CANCEL TWAIT			
26		+PTC3_SYNC			
27		L3!PDUs	Ms(CP_S1(1,CREF))		(2)
28		L3!PDUs	Ms(PG_S1(1,CREF,4))		(3)
29		+PTC3_SYNC			
30		+PO_RR_3(1)			
31		?TIMEOUT TWAIT		(I)	no response
32		+PTC3_SYNC			
33		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) CPG message with event indicator set to "Alerting" (2) CALL PROCEEDING message without any progress indicator (3) PROGRESS message with progress indicator set to "Call has returned to the ISDN (#4)"					

Test Case Dynamic Behaviour					
Test Case Name : TC314019_03 Group : ISUP_DSS1/CPG/N07/TC314019/ Purpose : Ensure that the SUT in call state N7, having sent the ACM message, and having sent the CPG message on receipt of an ALERTING message for CES1 without progress indicator element, on receipt of a CALL PROCEEDING message without progress indicator element followed by a PROGRESS message for CES2 with the progress indicator set to "in-band information or appropriate pattern now available (#8)", sends no message. Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N07_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N07_1			
8		+PTC1_SYNC			
9		+PTC1_SYNC			
10		+PO_RR_1(1)			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N07_2			
13		+PTC2_SYNC			
14		START TNOAC			
15		?TIMEOUT TNOAC		(P)	
16		+PTC2_SYNC			
17		+PO_SR_2			
		PTC3_IN			
18		ACTIVATE(OtherwiseFail_3(1))			
19		+PR_N00_3			
20		START TWAIT			
21		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
22		+PTC3_SYNC			
23		L3!PDUs	Ms(CP_S1(1,CREF))		(2)
24		L3!PDUs	Ms(PG_S1(1,CREF,8))		(3)
25		+PTC3_SYNC			
26		+PO_RR_3(1)			
27		?TIMEOUT TWAIT		(I)	no response
28		+PTC3_SYNC			
29		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) CPG message with event indicator set to "Alerting" (2) CALL PROCEEDING message without any progress indicator (3) PROGRESS message with progress indicator set to "Call has returned to the ISDN (#4)"					

Test Case Dynamic Behaviour					
Test Case Name : TC314020_01 Group : ISUP_DSS1/CPG/N07/TC314020/ Purpose : Ensure that the SUT in call state N7, having sent the ACM message, and having sent the CPG message on receipt of an ALERTING message for CES1 without progress indicator element, on receipt of an ALERTING message without progress indicator element followed by a PROGRESS message for CES2 with the progress indicator set to " Call is not end-to-end ISDN (#1)", sends the CPG message with the event indicator set to "Progress" and the ATP containing the progress indicator set to " Call is not end-to-end ISDN (#1)". Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N07_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
6		PTC1_IN			
7		ACTIVATE(OtherwiseFail_1(1))			
8		+PR_N07_1			
9		+PTC1_SYNC			
10		+PTC1_SYNC			
11		+PO_RR_1(1)			
12		PTC2_OUT			
13		ACTIVATE(OtherwiseFail_2)			
14		+PR_N07_2			
15		+PTC2_SYNC			
16		START TWAIT			
17		L2?P_PDUr CANCEL TWAIT	TrI (P_CPG_R2 (PXP_CIC_S,2,1))	(P)	(2)
18		+PTC2_SYNC			
19		+PO_SR_2			
20		?TIMEOUT TWAIT		(I)	
21		+PTC2_SYNC			
22		+PO_SR_2			
23		PTC3_IN			
24		ACTIVATE(OtherwiseFail_3(1))			
25		+PR_N00_3			
26		START TWAIT			
27		L3?SETUP_BROADCASTTr (CREf := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
28		+PTC3_SYNC			
29		L3!PDUs	Ms(ALT_S1(1,CREf))		(3)
30		L3!PDUs	Ms(PG_S1(1,CREf,1))		(4)
31		+PTC3_SYNC			
32		+PO_RR_3(1)			
33		?TIMEOUT TWAIT		(I)	no response
34		+PTC3_SYNC			
35		+PO_SR_3(1)			postamble NO
Detailed Comments : (1) CPG message with event indicator set to "Alerting" (2) CPG with event indicator set to "Progress" and with the ATP containing a PI set to "Call is not end-to-end ISDN (#1)" (3) ALERTING message without any progress indicator (4) PROGRESS message with progress indicator set to "Call is not end-to-end ISDN (#1)"					

Test Case Dynamic Behaviour					
Test Case Name : TC314020_02 Group : ISUP_DSS1/CPG/N07/TC314020/ Purpose : Ensure that the SUT in call state N7, having sent the ACM message, and having sent the CPG message on receipt of an ALERTING message for CES1 without progress indicator element, on receipt of an ALERTING message without progress indicator element followed by a PROGRESS message for CES2 with the progress indicator set to "Destination address is non-ISDN (#2)", sends the CPG message with the event indicator set to "Progress" and the ATP containing the progress indicator set to "Destination address is non-ISDN (#2)". Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N07_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N07_1			
8		+PTC1_SYNC			
9		+PTC1_SYNC			
10		+PO_RR_1(1)			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N07_2			
13		+PTC2_SYNC			
14		START TWAIT			
15		L2?P_PDUr CANCEL TWAIT	TrI (P_CPG_R2 (PXP_CIC_S,2,2))	(P)	(2)
16		+PTC2_SYNC			
17		+PO_SR_2			
18		?TIMEOUT TWAIT		(I)	
19		+PTC2_SYNC			
20		+PO_SR_2			
		PTC3_IN			
21		ACTIVATE(OtherwiseFail_3(1))			
22		+PR_N00_3			
23		START TWAIT			
24		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
25		+PTC3_SYNC			
26		L3!PDUs	Ms(ALT_S1(1,CREF))		(3)
27		L3!PDUs	Ms(PG_S1(1,CREF,2))		(4)
28		+PTC3_SYNC			
29		+PO_RR_3(1)			
30		?TIMEOUT TWAIT		(I)	no response
31		+PTC3_SYNC			
32		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) CPG message with event indicator set to "Alerting" (2) CPG with event indicator set to "Progress" and with the ATP containing a PI set to "Destination address is non-ISDN (#2)" (3) ALERTING message without any progress indicator (4) PROGRESS message with progress indicator set to "Destination address is non-ISDN (#2)"					

Test Case Dynamic Behaviour					
Test Case Name : TC314021_01 Group : ISUP_DSS1/CPG/N07/TC314021/ Purpose : Ensure that the SUT in call state N7, having sent the ACM message, and having sent the CPG message on receipt of an ALERTING message for CES1 without progress indicator element, on receipt of a ALERTING message without progress indicator element followed by a PROGRESS message for CES2 with the progress indicator set to "Originating address is non-ISDN (#3)", sends no message. Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N07_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N07_1			
8		+PTC1_SYNC			
9		+PTC1_SYNC			
10		+PO_RR_1(1)			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N07_2			
13		+PTC2_SYNC			
14		START TNOAC			
15		?TIMEOUT TNOAC		(P)	
16		+PTC2_SYNC			
17		+PO_SR_2			
		PTC3_IN			
18		ACTIVATE(OtherwiseFail_3(1))			
19		+PR_N00_3			
20		START TWAIT			
21		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
22		+PTC3_SYNC			
23		L3!PDUs	Ms(ALT_S1(1,CREF))		(2)
24		L3!PDUs	Ms(PG_S1(1,CREF,3))		(3)
25		+PTC3_SYNC			
26		+PO_RR_3(1)			
27		?TIMEOUT TWAIT		(I)	no response
28		+PTC3_SYNC			
29		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) CPG message with event indicator set to "Alerting" (2) ALERTING message without any progress indicator (3) PROGRESS message with progress indicator set to "Originating address is non-ISDN (#3)"					

Test Case Dynamic Behaviour					
Test Case Name : TC314021_02 Group : ISUP_DSS1/CPG/N07/TC314021/ Purpose : Ensure that the SUT in call state N7, having sent the ACM message, and having sent the CPG message on receipt of an ALERTING message for CES1 without progress indicator element, on receipt of a ALERTING message without progress indicator element followed by a PROGRESS message for CES2 with the progress indicator set to "Call has returned to the ISDN (#4)", sends no message. Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N07_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N07_1			
8		+PTC1_SYNC			
9		+PTC1_SYNC			
10		+PO_RR_1(1)			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N07_2			
13		+PTC2_SYNC			
14		START TNOAC			
15		?TIMEOUT TNOAC		(P)	
16		+PTC2_SYNC			
17		+PO_SR_2			
		PTC3_IN			
18		ACTIVATE(OtherwiseFail_3(1))			
19		+PR_N00_3			
20		START TWAIT			
21		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
22		+PTC3_SYNC			
23		L3!PDUs	Ms(ALT_S1(1,CREF))		(2)
24		L3!PDUs	Ms(PG_S1(1,CREF,4))		(3)
25		+PTC3_SYNC			
26		+PO_RR_3(1)			
27		?TIMEOUT TWAIT		(I)	no response
28		+PTC3_SYNC			
29		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) CPG message with event indicator set to "Alerting" (2) ALERTING message without any progress indicator (3) PROGRESS message with progress indicator set to "Call has returned to the ISDN (#4)"					

Test Case Dynamic Behaviour					
Test Case Name : TC314021_03 Group : ISUP_DSS1/CPG/N07/TC314021/ Purpose : Ensure that the SUT in call state N7, having sent the ACM message, and having sent the CPG message on receipt of an ALERTING message for CES1 without progress indicator element, on receipt of a ALERTING message without progress indicator element followed by a PROGRESS message for CES2 with the progress indicator set to "in-band information or appropriate pattern now available (#8)", sends no message. Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N07_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
6		PTC1_IN			
7		ACTIVATE(OtherwiseFail_1(1))			
8		+PR_N07_1			
9		+PTC1_SYNC			
10		+PTC1_SYNC			
11		+PO_RR_1(1)			
12		PTC2_OUT			
13		ACTIVATE(OtherwiseFail_2)			
14		+PR_N07_2			
15		+PTC2_SYNC			
16		START TNOAC			
17		?TIMEOUT TNOAC		(P)	
18		+PTC2_SYNC			
19		+PO_SR_2			
20		PTC3_IN			
21		ACTIVATE(OtherwiseFail_3(1))			
22		+PR_N00_3			
23		START TWAIT			
24		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r)	SBr(SU_R2(CHib_R2))		
25		CANCEL TWAIT			
26		+PTC3_SYNC			
27		L3!PDUs	Ms(ALT_S1(1,CREF))		(2)
28		L3!PDUs	Ms(PG_S1(1,CREF,8))		(3)
29		+PTC3_SYNC			
30		+PO_RR_3(1)			
31		?TIMEOUT TWAIT		(I)	no response
32		+PTC3_SYNC			
33		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) CPG message with event indicator set to "Alerting" (2) ALERTING message without any progress indicator (3) PROGRESS message with progress indicator set to "in-band information or appropriate pattern now available (#8)"					

Test Case Dynamic Behaviour					
Test Case Name : TC314022 Group : ISUP_DSS1/CPG/N07/ Purpose : Ensure that the SUT in call state N7, having sent the ACM message, and having sent the CPG message on receipt of an ALERTING message for CES1 with the progress indicator set to "Call is not end-to-end ISDN (#1)", on receipt of a CALL PROCEEDING message for CES2 with the progress indicator set to "Destination address is non-ISDN (#2)", sends the CPG message with the event indicator set to "Progress" and the ATP containing the progress indicator set to "Destination address is non-ISDN (#2)". Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N07_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
6		PTC1_IN			
7		ACTIVATE(OtherwiseFail_1(1))			(1)
8		+PR_N07_1_1(1)			
9		+PTC1_SYNC			
10		+PTC1_SYNC			
11		+PO_RR_1(1)			
12		PTC2_OUT			
13		ACTIVATE(OtherwiseFail_2)			
14		+PR_N07_2			
15		+PTC2_SYNC			
16		START TWAIT			
17		L2?P_PDUr CANCEL TWAIT	TrI (P_CPG_R2 (PXP_CIC_S,2,2))	(P)	(3)
18		+PTC2_SYNC			
19		+PO_SR_2			
20		?TIMEOUT TWAIT		(I)	
21		+PTC2_SYNC			
22		+PO_SR_2			
23		PTC3_IN			
24		ACTIVATE(OtherwiseFail_3(1))			
25		+PR_N00_3			
26		START TWAIT			
27		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r)	SBr(SU_R2(CHib_R2))		
28		CANCEL TWAIT			
29		+PTC3_SYNC			
30		L3!PDUs	Ms(CP_S2(1,CREF,2))		(4)
31		+PTC3_SYNC			
32		+PO_RR_3(1)			
33		?TIMEOUT TWAIT		(I)	no response
34		+PTC3_SYNC			
35		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) ISDN preamble to bring the SUT to the call state N7, by sending an ALERTING message containing a progress indicator set to "Call is not end-to-end ISDN (#1)" (2) CPG message with event indicator set to "Alerting" (3) CPG message with the event indicator set "Progress" and with ATP containing a PI set to "Destination address is non-ISDN (#2)" (4) CALL PROCEEDING message with progress indicator set to "Destination address is non-ISDN (#2)"					

Test Case Dynamic Behaviour					
Test Case Name : TC314023_01 Group : ISUP_DSS1/CPG/N07/TC314023/ Purpose : Ensure that the SUT in call state N7, having sent the ACM message, and having sent the CPG message on receipt of an ALERTING message for CES1 with the progress indicator set to "Destination address is non-ISDN (#2)", on receipt of a CALL PROCEEDING message without progress indicator element followed by a PROGRESS message for CES2 with the progress indicator set to "Call is not end-to-end ISDN (#1)", sends the CPG message with the event indicator set to "Progress" and the ATP containing the progress indicator set to "Call is not end-to-end ISDN (#1)". Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N07_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
6		PTC1_IN			
7		ACTIVATE(OtherwiseFail_1(1))			(1)
8		+PR_N07_1_1(2)			
9		+PTC1_SYNC			
10		+PTC1_SYNC			
11		+PO_RR_1(1)			
12		PTC2_OUT			
13		ACTIVATE(OtherwiseFail_2)			
14		+PR_N07_2			
15		+PTC2_SYNC			
16		START TWAIT			
17		L2?P_PDUr CANCEL TWAIT	TrI (P_CPG_R2 (PXP_CIC_S,2,1))	(P)	(3)
18		+PTC2_SYNC			
19		+PO_SR_2			
20		?TIMEOUT TWAIT		(I)	
21		+PTC2_SYNC			
22		+PO_SR_2			
23		PTC3_IN			
24		ACTIVATE(OtherwiseFail_3(1))			
25		+PR_N00_3			
26		START TWAIT			
27		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHIB_R2))		
28		+PTC3_SYNC			
29		L3!PDUs	Ms(CP_S1(1,CREF))		(4)
30		L3!PDUs	Ms(PG_S1(1,CREF,1))		(5)
31		+PTC3_SYNC			
32		+PO_RR_3(1)			
33		?TIMEOUT TWAIT		(I)	no response
34		+PTC3_SYNC			
35		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) ISDN preamble to bring the SUT to the call state N7, by sending an ALERTING message containing a progress indicator set to "Destination address is non-ISDN (#2)" (2) CPG message with event indicator set to "Alerting" (3) CPG message with the event indicator set "Progress" and with ATP containing a PI set to "Call is not end-to-end ISDN (#1)" (4) CALL PROCEEDING message without any progress indicator (5) PROGRESS message with progress indicator set to "Call is not end-to-end ISDN (#1)"					

Test Case Dynamic Behaviour					
Test Case Name : TC314023_02 Group : ISUP_DSS1/CPG/N07/TC314023/ Purpose : Ensure that the SUT in call state N7, having sent the ACM message, and having sent the CPG message on receipt of an ALERTING message for CES1 with the progress indicator set to "Destination address is non-ISDN (#2)", on receipt of a CALL PROCEEDING message without progress indicator element followed by a PROGRESS message for CES2 with the progress indicator set to "Call has returned to the ISDN (#4)", sends the CPG message with the event indicator set to "Progress" and the ATP containing the progress indicator set to "Call has returned to the ISDN (#4)". Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N07_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
6		PTC1_IN			
7		ACTIVATE(OtherwiseFail_1(1))			(1)
8		+PR_N07_1_1(2)			
9		+PTC1_SYNC			
10		+PTC1_SYNC			
11		+PO_RR_1(1)			
12		PTC2_OUT			
13		ACTIVATE(OtherwiseFail_2)			
14		+PR_N07_2			
15		+PTC2_SYNC			
16		START TWAIT			
17		L2?P_PDUr CANCEL TWAIT	TrI (P_CPG_R2 (PXP_CIC_S,2,4))	(P)	(3)
18		+PTC2_SYNC			
19		+PO_SR_2			
20		?TIMEOUT TWAIT		(I)	
21		+PTC2_SYNC			
22		+PO_SR_2			
23		PTC3_IN			
24		ACTIVATE(OtherwiseFail_3(1))			
25		+PR_N00_3			
26		START TWAIT			
27		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHIB_R2))		
28		+PTC3_SYNC			
29		L3!PDUs	Ms(CP_S1(1,CREF))		(4)
30		L3!PDUs	Ms(PG_S1(1,CREF,4))		(5)
31		+PTC3_SYNC			
32		+PO_RR_3(1)			
33		?TIMEOUT TWAIT		(I)	no response
34		+PTC3_SYNC			
35		+PO_SR_3(1)			postamble NO
Detailed Comments : (1) ISDN preamble to bring the SUT to the call state N7, by sending an ALERTING message containing a progress indicator set to "Destination address is non-ISDN (#2)" (2) CPG message with event indicator set to "Alerting" (3) CPG message with the event indicator set "Progress" and with ATP containing a PI set to "Call is not end-to-end ISDN (#1)" (4) CALL PROCEEDING message without any progress indicator (5) PROGRESS message with progress indicator set to "Call is not end-to-end ISDN (#1)"					

Test Case Dynamic Behaviour					
Test Case Name : TC314024_01 Group : ISUP_DSS1/CPG/N07/TC314024/ Purpose : Ensure that the SUT in call state N7, having sent the ACM message, on receipt of an ALERTING message for CES1 with the progress indicator set to "Call is not end-to-end ISDN (#1)", on receipt of a CALL PROCEEDING message without progress indicator element followed by a PROGRESS message for CES2 with the progress indicator set to "Destination address is non-ISDN (#2)", sends the CPG message with the event indicator set to "Progress" and the ATP containing the progress indicator set to "Destination address is non-ISDN (#2)". Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N07_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			(1)
7		+PR_N07_1_1(1)			
8		+PTC1_SYNC			
9		+PTC1_SYNC			
10		+PO_RR_1(1)			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N07_2			
13		+PTC2_SYNC			
14		START TWAIT			
15		L2?P_PDUr CANCEL TWAIT	TrI (P_CPG_R2 (PXP_CIC_S,2,2))	(P)	(3)
16		+PTC2_SYNC			
17		+PO_SR_2			
18		?TIMEOUT TWAIT		(I)	
19		+PTC2_SYNC			
20		+PO_SR_2			
		PTC3_IN			
21		ACTIVATE(OtherwiseFail_3(1))			
22		+PR_N00_3			
23		START TWAIT			
24		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHIb_R2))		
25		+PTC3_SYNC			
26		L3!PDUs	Ms(CP_S1(1,CREF))		(4)
27		L3!PDUs	Ms(PG_S1(1,CREF,2))		(5)
28		+PTC3_SYNC			
29		+PO_RR_3(1)			
30		?TIMEOUT TWAIT		(I)	no response
31		+PTC3_SYNC			
32		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) ISDN preamble to bring the SUT to the call state N7, by sending an ALERTING message containing a progress indicator set to "Call is not end-to-end ISDN (#1)" (2) CPG message with event indicator set to "Alerting" (3) CPG message with the event indicator set "Progress" and with ATP containing a PI set to "Destination address is non-ISDN (#2)" (4) CALL PROCEEDING message without any progress indicator (5) PROGRESS message with progress indicator set to "Destination address is non-ISDN (#2)"					

Test Case Dynamic Behaviour					
Test Case Name : TC314024_02 Group : ISUP_DSS1/CPG/N07/TC314024/ Purpose : Ensure that the SUT in call state N7, having sent the ACM message, on receipt of an ALERTING message for CES1 with the progress indicator set to "Call is not end-to-end ISDN (#1)", on receipt of a CALL PROCEEDING message without progress indicator element followed by a PROGRESS message for CES2 with the progress indicator set to "Call has returned to the ISDN (#4)", sends the CPG message with the event indicator set to "Progress" and the ATP containing the progress indicator set to "Call has returned to the ISDN (#4)". Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.4, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.4					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N07_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
6		PTC1_IN			
7		ACTIVATE(OtherwiseFail_1(1))			(1)
8		+PR_N07_1_1(1)			
9		+PTC1_SYNC			
10		+PTC1_SYNC			
11		+PO_RR_1(1)			
12		PTC2_OUT			
13		ACTIVATE(OtherwiseFail_2)			
14		+PR_N07_2			
15		+PTC2_SYNC			
16		START TWAIT			
17		L2?P_PDUr CANCEL TWAIT	TrI (P_CPG_R2 (PXP_CIC_S,2,4))	(P)	(3)
18		+PTC2_SYNC			
19		+PO_SR_2			
20		?TIMEOUT TWAIT		(I)	
21		+PTC2_SYNC			
22		+PO_SR_2			
23		PTC3_IN			
24		ACTIVATE(OtherwiseFail_3(1))			
25		+PR_N00_3			
26		START TWAIT			
27		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHIb_R2))		
28		+PTC3_SYNC			
29		L3!PDUs	Ms(CP_S1(1,CREF))		(4)
30		L3!PDUs	Ms(PG_S1(1,CREF,4))		(5)
31		+PTC3_SYNC			
32		+PO_RR_3(1)			
33		?TIMEOUT TWAIT		(I)	no response
34		+PTC3_SYNC			
35		+PO_SR_3(1)			postamble NO
Detailed Comments : (1) ISDN preamble to bring the SUT to the call state N7, by sending an ALERTING message containing a progress indicator set to "Call is not end-to-end ISDN (#1)" (2) CPG message with event indicator set to "Alerting" (3) CPG message with the event indicator set "Progress" and with ATP containing a PI set to "Call has returned to the ISDN (#4)" (4) CALL PROCEEDING message without any progress indicator (5) PROGRESS message with progress indicator set to "Call has returned to the ISDN (#4)"					

Test Case Dynamic Behaviour					
Test Case Name : TC315001 Group : ISUP_DSS1/ANM/N09/ Purpose : Ensure that the SUT in call state N9, having sent the ACM message, on receipt of a CALL PROCEEDING message for CES1 without any Progress indicator element, on receipt of a CONNECT message for CES2, sends an ANM message. Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.5, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N09_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N09_1_ACM			
8		+PTC1_SYNC			
9		+PO_RR_1(1)			
10		+PTC1_SYNC			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N09_2_ACM			
13		+PTC2_SYNC			
14		START TWAIT			
15		L2?P_PDUr CANCEL TWAIT	TrI (P_ANM_R (PXP_CIC_S))	(P)	(1)
16		+PTC2_SYNC			
17		+PO_SR_2			
18		?TIMEOUT TWAIT		(I)	no response
19		+PTC2_SYNC			
20		+PO_SR_2			
		PTC3_IN			
21		ACTIVATE(OtherwiseFail_3(1))			
22		+PR_N00_3			
23		START TWAIT			
24		L3?SETUP_BROADCASTTr (CREf := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
25		+PTC3_SYNC			
26		L3!PDUs	Ms(CN_S(1,CREf))		(2)
27		+PTC3_SYNC			
28		+PO_RR_3(1)			
29		?TIMEOUT TWAIT		(I)	no response
30		+PTC3_SYNC			
31		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) ANM message without progress indicator (2) CONNECT message without progress indicator					

Test Case Dynamic Behaviour					
Test Case Name : TC315002 Group : ISUP_DSS1/ANM/N09/ Purpose : Ensure that the SUT in call state N9, having sent the ACM message, on receipt of a CALL PROCEEDING message for CES1 without any Progress indicator element, on receipt of a CONNECT message with the progress indicator set to PI_VALUE for CES2, sends an ANM message with ATP containing the progress indicator set to PI_VALUE. Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.5, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N09_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N09_1_ACM			
8		+PTC1_SYNC			
9		+PO_RR_1(1)			
10		+PTC1_SYNC			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N09_2_ACM			
13		+PTC2_SYNC			
14		START TWAIT			
15		L2?P_PDUr CANCEL TWAIT	TrI (P_ANM_R1 (PXP_CIC_S, PX_PI_PD))	(P)	(1)
16		+PTC2_SYNC			
17		+PO_SR_2			
18		?TIMEOUT TWAIT		(I)	no response
19		+PTC2_SYNC			
20		+PO_SR_2			
		PTC3_IN			
21		ACTIVATE(OtherwiseFail_3(1))			
22		+PR_N00_3			
23		START TWAIT			
24		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHIb_R2))		
25		+PTC3_SYNC			
26		L3!PDUs	Ms(CN_S1(1,CREF, PX_PI_PD))		(2)
27		+PTC3_SYNC			
28		+PO_RR_3(1)			
29		?TIMEOUT TWAIT		(I)	no response
30		+PTC3_SYNC			
31		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) ANM message with ATP containing a progress indicator set to PI_VALUE(PIXIT) (2) CONNECT message with a progress indicator set to PI_VALUE(PIXIT)					

Test Case Dynamic Behaviour					
Test Case Name : TC315003 Group : ISUP_DSS1/ANM/N09/ Purpose : Ensure that the SUT in call state N9, having sent the ACM message, on receipt of a CALL PROCEEDING message for CES1, on receipt of a CONNECT message with the low layer capability set to LLC_VALUE for CES2, sends an ANM message with ATP containing the low layer capability set to LLC_VALUE. Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.5, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N09_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N09_1_ACM			
8		+PTC1_SYNC			
9		+PO_RR_1(1)			
10		+PTC1_SYNC			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N09_2_ACM			
13		+PTC2_SYNC			
14		START TWAIT			
15		L2?P_PDUr CANCEL TWAIT	TrI (P_ANM_R2 (PXP_CIC_S, PX_LLCL, PX_LLCV))	(P)	(1)
16		+PTC2_SYNC			
17		+PO_SR_2			
18		?TIMEOUT TWAIT		(I)	no response
19		+PTC2_SYNC			
20		+PO_SR_2			
		PTC3_IN			
21		ACTIVATE(OtherwiseFail_3(1))			
22		+PR_N00_3			
23		START TWAIT			
24		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
25		+PTC3_SYNC			
26		L3!PDUs	Ms(CN_S2(1,CREF, PX_LLCL, PX_LLCV))	(2)	
27		+PTC3_SYNC			
28		+PO_RR_3(1)			
29		?TIMEOUT TWAIT		(I)	no response
30		+PTC3_SYNC			
31		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) ANM message with ATP containing a Low Layer capability as test suite parameter (2) CONNECT message with Low Layer capability as test suite parameter					

Test Case Dynamic Behaviour					
Test Case Name : TC315004 Group : ISUP_DSS1/ANM/N07/ Purpose : Ensure that the SUT in call state N7, having sent the ACM message, and having sent the CPG message on receipt of an ALERTING message for CES1 without any Progress indicator element, on receipt of a CONNECT message for CES2, sends an ANM message. Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.5, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N07_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N07_1			
8		+PTC1_SYNC			
9		+PO_RR_1(1)			
10		+PTC1_SYNC			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N07_2			
13		+PTC2_SYNC			
14		START TWAIT			
15		L2?P_PDUr CANCEL TWAIT	TrI (P_ANM_R (PXP_CIC_S))	(P)	(2)
16		+PTC2_SYNC			
17		+PO_SR_2			
18		?TIMEOUT TWAIT		(I)	
19		+PTC2_SYNC			
20		+PO_SR_2			
		PTC3_IN			
21		ACTIVATE(OtherwiseFail_3(1))			
22		+PR_N00_3			
23		START TWAIT			
24		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
25		+PTC3_SYNC			
26		L3!PDUs	Ms(CN_S(1,CREF))		(3)
27		+PTC3_SYNC			
28		+PO_RR_3(1)			
29		?TIMEOUT TWAIT		(I)	no response
30		+PTC3_SYNC			
31		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) CPG message with event indicator set to "Alerting" (2) ANM message without progress indicator (3) CONNECT message without progress indicator					

Test Case Dynamic Behaviour					
Test Case Name : TC315005 Group : ISUP_DSS1/ANM/N07/ Purpose : Ensure that the SUT in call state N7, having sent the ACM message, and having sent the CPG message on receipt of an ALERTING message for CES1 without any Progress indicator element, on receipt of a CONNECT message with the progress indicator set to PI_VALUE for CES2, sends an ANM message with ATP containing the progress indicator set to PI_VALUE. Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.5, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N07_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N07_1			
8		+PTC1_SYNC			
9		+PO_RR_1(1)			
10		+PTC1_SYNC			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N07_2			
13		+PTC2_SYNC			
14		START TWAIT			
15		L2?P_PDUr CANCEL TWAIT	TrI (P_ANM_R1 (PXP_CIC_S, PX_PI_PD))	(P)	(2)
16		+PTC2_SYNC			
17		+PO_SR_2			
18		?TIMEOUT TWAIT		(I)	
19		+PTC2_SYNC			
20		+PO_SR_2			
		PTC3_IN			
21		ACTIVATE(OtherwiseFail_3(1))			
22		+PR_N00_3			
23		START TWAIT			
24		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
25		+PTC3_SYNC			
26		L3!PDUs	Ms(CN_S1(1,CREF, PX_PI_PD))		(3)
27		+PTC3_SYNC			
28		+PO_RR_3(1)			
29		?TIMEOUT TWAIT		(I)	no response
30		+PTC3_SYNC			
31		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) CPG message with event indicator set to "Alerting" (2) ANM message with ATP containing a progress indicator set to PI_VALUE(PIXIT) (3) CONNECT message with a progress indicator set to PI_VALUE(PIXIT)					

Test Case Dynamic Behaviour					
Test Case Name : TC315006 Group : ISUP_DSS1/ANM/N07/ Purpose : Ensure that the SUT in call state N7, having sent the ACM message, and having sent the CPG message on receipt of an ALERTING message for CES1, on receipt of a CONNECT message with the low layer capability set to LLC_VALUE for CES2, sends an ANM message with ATP containing the low layer capability set to LLC_VALUE. Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.5, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N07_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N07_1			
8		+PTC1_SYNC			
9		+PO_RR_1(1)			
10		+PTC1_SYNC			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N07_2			
13		+PTC2_SYNC			
14		START TWAIT			
15		L2?P_PDUr CANCEL TWAIT	TrI (P_ANM_R2 (PXP_CIC_S, PX_LLCL, PX_LLCV))	(P)	(2)
16		+PTC2_SYNC			
17		+PO_SR_2			
18		?TIMEOUT TWAIT		(I)	
19		+PTC2_SYNC			
20		+PO_SR_2			
		PTC3_IN			
21		ACTIVATE(OtherwiseFail_3(1))			
22		+PR_N00_3			
23		START TWAIT			
24		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
25		+PTC3_SYNC			
26		L3!PDUs	Ms(CN_S2(1,CREF, PX_LLCL, PX_LLCV))		(3)
27		+PTC3_SYNC			
28		+PO_RR_3(1)			
29		?TIMEOUT TWAIT		(I)	no response
30		+PTC3_SYNC			
31		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) CPG message with event indicator set to "Alerting" (2) ANM message with ATP containing a Low Layer capability as test suite parameter (3) CONNECT message with Low Layer capability as test suite parameter					

Test Case Dynamic Behaviour					
Test Case Name : TC316001 Group : ISUP_DSS1/Call_Clearing_msg/N06/ Purpose : Ensure that the SUT in call state N6, on receipt of a RELEASE COMPLETE message for CES1 with cause value "user busy #17", on receipt of a RELEASE COMPLETE message for CES2 with cause value "call rejected #21", sends a REL message with cause value "user busy #17". Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.5, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N06_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
6		PTC1_IN			
7		ACTIVATE(OtherwiseFail_1(1))			
8		+PR_N06_1			
9		+PTC1_SYNC			
10		L1!PDUs	Ms(RC_S2(1,CREF,17))		(1)
11		+PTC1_SYNC			
12		PTC2_OUT			
13		ACTIVATE(OtherwiseFail_2)			
14		+PR_N06_2			
15		+PTC2_SYNC			
16		START TWAIT			
17	L1	L2?P_PDUR CANCEL TWAIT	TrI (P_REL_R1 (PXP_CIC_S,17))	(P)	(2)
18		+PTC2_SYNC			
19		L2!P_PDUs	TrR(P_RLC_S(CIC_VAL))		
20		L2?P_PDUR [PXP_AUTO_ACM]	TrI (P_ACM_R (PXP_CIC_S))		Ignore ACM
21		GOTO L1			
22		?TIMEOUT TWAIT		(I)	
23		+PTC2_SYNC			
24		+PO_SR_2			
25		PTC3_IN			
26		ACTIVATE(OtherwiseFail_3(1))			
27		+PR_N00_3			
28		START TWAIT			
29		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r)	SBr(SU_R2(CHib_R2))		
30		CANCEL TWAIT			
31		+PTC3_SYNC			
32		L3!PDUs	Ms(RC_S2(1,CREF,21))		(3)
33		+PTC3_SYNC			
34		?TIMEOUT TWAIT		(I)	no response
35		+PTC3_SYNC			
36		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) RELEASE COMPLETE with cause value set to "user busy #17" (2) REL message with cause value set to "user busy #17" (3) RELEASE COMPLETE with cause value set to "call rejected #21"					

Test Case Dynamic Behaviour					
Test Case Name : TC316002 Group : ISUP_DSS1/Call_Clearing_msg/N09/ Purpose : Ensure that the SUT in call state N9, having sent the ACM message, on receipt of a CALL PROCEEDING message for CES1, on receipt of a RELEASE COMPLETE message for CES2, sends no message. Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.5, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N09_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N09_1_ACM			
8		+PTC1_SYNC			
9		+PTC1_SYNC			
10		+PO_RR_1(1)			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N09_2_ACM			
13		+PTC2_SYNC			
14		START TNOAC			
15		?TIMEOUT TNOAC		(P)	(1)
16		+PTC2_SYNC			
17		+PO_SR_2			
		PTC3_IN			
18		ACTIVATE(OtherwiseFail_3(1))			
19		+PR_N00_3			
20		START TWAIT			
21		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
22		+PTC3_SYNC			
23		L3!PDUs	Ms(RC_S1(1,CREF))		(2)
24		+PTC3_SYNC			
25		?TIMEOUT TWAIT		(I)	no response
26		+PTC3_SYNC			
27		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) receive no message (2) RELEASE COMPLETE with don't care value					

Test Case Dynamic Behaviour					
Test Case Name : TC316003 Group : ISUP_DSS1/Call_Clearing_msg/N09/ Purpose : Ensure that the SUT in call state N9, having sent the ACM message, on receipt of a CALL PROCEEDING message for CES1, on receipt of a CALL PROCEEDING message followed by a DISCONNECT message with cause value "user busy #17" for CES2, and on receipt of a DISCONNECT message with cause value "call rejected #21" for CES1, sends a REL message with cause value "user busy #17". Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.5, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N09_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N09_1_ACM			
8		+PTC1_SYNC			
9		L1!PDUs	Ms(DI_S1(1,CREF,21))		(2)
10		+PO_RR_1(1)			
11		+PTC1_SYNC			
		PTC2_OUT			
12		ACTIVATE(OtherwiseFail_2)			
13		+PR_N09_2_ACM			
14		+PTC2_SYNC			
15		START TWAIT			
16		L2?P_PDUr CANCEL TWAIT	TrI (P_REL_R1 (PXP_CIC_S,17))	(P)	(3)
17		+PTC2_SYNC			
18		L2! P_PDUs	TrR(P_RLC_S(CIC_VAL))		
19		?TIMEOUT TWAIT		(I)	
20		+PTC2_SYNC			
21		+PO_SR_2			
		PTC3_IN			
22		ACTIVATE(OtherwiseFail_3(1))			
23		+PR_N00_3			
24		START TWAIT			
25		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
26		L3!PDUs	Ms(CP_S1(1,CREF))		(4)
27		+PTC3_SYNC			
28		L3!PDUs	Ms(DI_S1(1,CREF,17))		(5)
29		+PO_RR_3(1)			
30		+PTC3_SYNC			
31		?TIMEOUT TWAIT		(I)	no response
32		+PTC3_SYNC			
33		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) CALL PROCEEDING message (2) RELEASE COMPLETE with cause value set to "call rejected #21" (3) REL message with cause value set to "user busy #17" (4) CALL PROCEEDING message (5) RELEASE COMPLETE with cause value set to "user busy #17"					

Test Case Dynamic Behaviour					
Test Case Name : TC316004 Group : ISUP_DSS1/Call_Clearing_msg/N07/ Purpose : Ensure that the SUT in call state N7, having sent the ACM message, and having sent the CPG message on receipt of an ALERTING message for CES1, on receipt of a RELEASE COMPLETE message for CES2, sends no message. Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.5, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N07_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N07_1			
8		+PTC1_SYNC			
9		+PTC1_SYNC			
10		+PO_RR_1(1)			
		PTC2_OUT			
11		ACTIVATE(OtherwiseFail_2)			
12		+PR_N07_2			
13		+PTC2_SYNC			
14		START TNOAC			
15		?TIMEOUT TNOAC		(P)	(1)
16		+PTC2_SYNC			
17		+PO_SR_2			
		PTC3_IN			
18		ACTIVATE(OtherwiseFail_3(1))			
19		+PR_N00_3			
20		START TWAIT			
21		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
22		+PTC3_SYNC			
23		L3!PDUs	Ms(RC_S1(1,CREF))		(2)
24		+PTC3_SYNC			
25		?TIMEOUT TWAIT		(I)	no response
26		+PTC3_SYNC			
27		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) receive no message (2) RELEASE COMPLETE with don't care value					

Test Case Dynamic Behaviour					
Test Case Name : TC316005 Group : ISUP_DSS1/Call_Clearing_msg/N07/ Purpose : Ensure that the SUT in call state N7, having sent the ACM message, and having sent the CPG message on receipt of an ALERTING message for CES1, on receipt of a CALL PROCEEDING message followed by a DISCONNECT message with cause value "user busy #17" for CES2, and on receipt of a DISCONNECT message with cause value "call rejected #21" for CES1, sends a REL message with cause value "call rejected #21". Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.5, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N07_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N07_1			
8		+PTC1_SYNC			
9		L1!PDUs	Ms(DI_S1(1,CREF,21))		(2)
10		+PO_RR_1(1)			
11		+PTC1_SYNC			
		PTC2_OUT			
12		ACTIVATE(OtherwiseFail_2)			
13		+PR_N07_2			
14		+PTC2_SYNC			
15		START TWAIT			
16		L2?P_PDUr CANCEL TWAIT	TrI (P_REL_R1 (PXP_CIC_S,21))	(P)	(4)
17		+PTC2_SYNC			
18		L2! P_PDUs	TrR(P_RLC_S(CIC_VAL))		
19		?TIMEOUT TWAIT		(I)	
20		+PTC2_SYNC			
21		+PO_SR_2			
		PTC3_IN			
22		ACTIVATE(OtherwiseFail_3(1))			
23		+PR_N00_3			
24		START TWAIT			
25		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHIb_R2))		
26		L3!PDUs	Ms(CP_S1(1,CREF))		(5)
27		+PTC3_SYNC			
28		L3!PDUs	Ms(DI_S1(1,CREF,17))		(6)
29		+PO_RR_3(1)			
30		+PTC3_SYNC			
31		?TIMEOUT TWAIT		(I)	no response
32		+PTC3_SYNC			
33		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) CALL PROCEEDING message (2) RELEASE COMPLETE with cause value set to "call rejected #21" (3) CPG message with event indicator set to "Alerting" (4) REL message with cause value set to "call rejected #21" (5) CALL PROCEEDING message (6) RELEASE COMPLETE with cause value set to "user busy #17"					

Test Case Dynamic Behaviour					
Test Case Name : TC316006 Group : ISUP_DSS1/Call_Clearing_msg/N07/ Purpose : Ensure that the SUT in call state N7, having sent the ACM message, and having sent the CPG message on receipt of an ALERTING message for CES1, on receipt of an ALERTING message followed by a DISCONNECT message with cause value "user busy #17" for CES2, and on receipt of a DISCONNECT message with cause value "call rejected #21" for CES1, sends a REL message with cause value "call rejected #21". Configuration : CONFIG1 Default : OtherwiseFail Comments : Q.699 [3] subclause 3.1.1.5, ETS 300 403-1 [1] subclause 5.2.5 Q.764 [4] subclause 2.1.7					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CREATE(PTC1:PTC1_IN, PTC2:PTC2_OUT, PTC3:PTC3_IN)			
2		+PR_N07_MTC			
3		+MTC_SYNC			
4		+MTC_SYNC			
5		?DONE(PTC1, PTC2, PTC3)			
		PTC1_IN			
6		ACTIVATE(OtherwiseFail_1(1))			
7		+PR_N07_1			
8		+PTC1_SYNC			
9		L1!PDUs	Ms(DI_S1(1,CREF,21))		(2)
10		+PO_RR_1(1)			
11		+PTC1_SYNC			
		PTC2_OUT			
12		ACTIVATE(OtherwiseFail_2)			
13		+PR_N07_2			
14		+PTC2_SYNC			
15		START TWAIT			
16		L2?P_PDUsr CANCEL TWAIT	TrI (P_REL_R1 (PXP_CIC_S,21))	(P)	(4)
17		+PTC2_SYNC			
18		L2! P_PDUs	TrR(P_RLC_S(CIC_VAL))		
19		?TIMEOUT TWAIT		(I)	
20		+PTC2_SYNC			
21		+PO_SR_2			
		PTC3_IN			
22		ACTIVATE(OtherwiseFail_3(1))			
23		+PR_N00_3			
24		START TWAIT			
25		L3?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHIb_R2))		
26		L3!PDUs	Ms(ALT_S1(1,CREF))		(5)
27		+PTC3_SYNC			
28		L3!PDUs	Ms(DI_S1(1,CREF,17))		(6)
29		+PO_RR_3(1)			
30		+PTC3_SYNC			
31		?TIMEOUT TWAIT		(I)	no response
32		+PTC3_SYNC			
33		+PO_SR_3(1)			postamble N0
Detailed Comments : (1) CALL PROCEEDING message (2) RELEASE COMPLETE with cause value set to "call rejected #21" (3) CPG message with event indicator set to "Alerting" (4) REL message with cause value set to "call rejected #21" (5) ALERTING message (6) RELEASE COMPLETE with cause value set to "user busy #17"					

Test Step Dynamic Behaviour					
Test Step Name : PO_RR_1 (FL:INTEGER) Group : ISDN_Step_1/ Objective : Default : OtherwiseFail_1(FL) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START TWAIT			
2		L1?PDUR CANCEL TWAIT	Mr(RC_R1((FL+1)MOD 2,CREF))		
3		L1?PDUR CANCEL TWAIT	Mr(DI_R1((FL+1)MOD 2,CREF))		
4		L1!PDUs START TAC	Ms(RL_S1(FL,CREF,16))		
5		L1?PDUR CANCEL TAC	Mr(RC_R1((FL+1)MOD 2,CREF))		
6		?TIMEOUT TAC		(I)	
7		L1?PDUR CANCEL TWAIT	Mr(RL_R1((FL+1)MOD 2,CREF))		
8		L1!PDUs	Ms(RC_S1(FL,CREF))		
9		?TIMEOUT TWAIT		(I)	
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : PO_SR_1(FL: INTEGER) Group : ISDN_Step_1/ Objective : To bring the IUT back to the Null call state N00. Send the RELEASE message. Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		L1!PDUs START TWAIT	Ms(RL_S1(FL,CREF,16))		(1)
2		L1?PDUR CANCEL TWAIT	Mr(RC_R1((FL+1)MOD 2,CREF))		(2)
3		?TIMEOUT TWAIT		(I)	no response
4		L1?OTHERWISE		(I)	(3)
Detailed Comments : (1) A valid RELEASE message indicating the cause value 16 "Normal call clearing" is sent. (2) A RELEASE COMPLETE message is received from the IUT. (3) An invalid event occurred.					

Test Step Dynamic Behaviour					
Test Step Name : PR_N00_1 Group : ISDN_Step_1/ Objective : Preamble to the ISDN Null call state N00. Default : OtherwiseFail Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1	L1	[NOT PX_L2_INIT]			(1)
2		+INIT_VARIABLES			(1)
3		[PX_L2_INIT]			(2)
4		+INIT_VARIABLES			(3)
5		L1!DL_REL_RQ START TAC			(4)
6		L1?DL_REL_CO CANCEL TAC		(P)	(5)
7		L1!DL_EST_RQ START TAC			(6)
8		L1?DL_EST_CO CANCEL TAC		(P)	(7)
9		+WAIT_RESTART			(8)
10		L1?DL_REL_IN START TNOAC			(9)
11		L1?DL_EST_IN CANCEL TAC , CANCEL TNOAC		(P)	(10)
12		+WAIT_RESTART			(11)
13		?TIMEOUT TNOAC			(12)
14		L1!DL_EST_RQ			(13)
15		GOTO L1			(14)
16		L1?OTHERWISE		I	(15)
17		L1?DL_EST_IN CANCEL TAC , START TNOAC			(16)
18		L1?DL_EST_CO CANCEL TNOAC		(P)	(17)
19		+WAIT_RESTART			(18)
20		?TIMEOUT TNOAC		I	no response
21		L1?OTHERWISE		I	(19)
22		?TIMEOUT TAC		I	no response
23		L1?OTHERWISE		I	(20)
24		?TIMEOUT TAC		I	no response
25		L1?OTHERWISE		I	(21)
26	LR	INIT_VARIABLES			Basic access
27		[PC_BASIC] (CREF:='0000001'B, GLOB_CREF:='0000000'B, B_CHN:=INT_TO_BIT(PX_CH_NUM,2))			
28		[NOT PC_BASIC]			Primary rate access
29		(CREF:='0000000000000001'B, GLOB_CREF:='000000000000000'B, B_CHN:=INT_TO_BIT(PX_CH_NUM,7))			
30		WAIT_RESTART			Single interface
31		[PX_WAIT_RESTART] START T_RESTART			
32		L1?RESTARTr CANCEL T_RESTART	RSr(RST_R2(0,GLOB_CREF,6))		Indicated channels
33		L1!PDUs	Ms(RSA_S2(1,GLOB_CREF,6))		
34		GOTO LR			Indicated channels
35		L1?RESTARTr [NOT PC_BASIC] (B_CHN_RS:=RESTARTr.mun.chi_rs.ch i_cn, CHI_LENGTH := RESTARTr.mun.chi.chi_l) CANCEL T_RESTART	RSr(RST_R1(0,GLOB_CREF,0))		
36		L1!PDUs	Ms(RSA_S1(1,GLOB_CREF,B_CHN,B _CHN_RS,CHI_LENGTH,0))		Indicated channels
37		GOTO LR			
38		L1?RESTARTr [PC_BASIC] (B_CHN:= RESTARTr.mun.chi.chi_e3_cs) CANCEL T_RESTART	RSr(RST_R1(0,GLOB_CREF,0))		
39		L1!PDUs	Ms(RSA_S1(1,GLOB_CREF,B_CHN,B _CHN_RS,CHI_LENGTH,0))		

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Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
40		GOTO LR			
41		?TIMEOUT T_RESTART			
42		[NOT PX_WAIT_RESTART]			
Detailed Comments : The layer 2 of the IUT at the access related to MTC (CES1) must have a TEI assigned value before the execution of this preamble. The procedure to assign the TEI value to the IUT is a matter for the test laboratory. (1) The local subtree INIT_VARIABLES is used to assign initial values to test case variables taking into account the used interface configuration. (2) Termination of the multiple frame operation is requested (A DISC frame is sent). (3) Termination of the multiple frame operation is confirmed (A UA or a DM frame is received). (4) Establishment of the multiple frame operation is requested (A SABME frame is sent). (5) Establishment of the multiple frame operation is confirmed (A UA frame is received). (6) The local subtree WAIT_RESTART is used to deal with the receipt of RESTART messages that may be sent by the IUT after the re-establishment of the multiple frame operation. (7) An unsuccessful establishment attempt is reported (A DM frame is received). (8) Establishment of the multiple frame operation is indicated (A SABME frame is received and a UA frame is sent). (9) Establishment of the multiple frame operation (requested in line 4) is confirmed (A UA frame is received). (10) Any other event occurred.					

Test Step Dynamic Behaviour					
Test Step Name : PR_N06_1 Group : ISDN_Step_1/ Objective : Preamble to the Overlap Sending call state N06. Default : OtherwiseFail_1(1) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_N00_1			
2		CPA1!CP_M START TWAIT	RDY		
3		L1?SETUP_BROADCASTr (CREF := SETUP_BROADCASTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHIB_R2))		(1)
4		?TIMEOUT TWAIT		(I)	no response
5		+PO_SR_1(1)			postamble N0
Detailed Comments : (1) Receiving a Broadcast SETUP with don't care values					

Test Step Dynamic Behaviour					
Test Step Name : PR_N07_1 Group : ISDN_Step_1/ Objective : Preamble to the Overlap Sending call state N07. Default : OtherwiseFail_1(1) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_N00_1			
2		CPA1!CP_M START TWAIT	RDY		
3		L1?SETUP_BROADCASTr (CREF := SETUP_BROADCASTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
4		L1!PDUs	Ms(CP_S1(1,CREF))		
5		L1!PDUs	Ms(ALT_S1(1,CREF))		
6		?TIMEOUT TWAIT		(I)	no response
7		+PO_SR_1(1)			postamble N0
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : PR_N07_1_1(cpa_pi_pd: INTEGER) Group : ISDN_Step_1/ Objective : Preamble to the Overlap Sending call state N07. Default : OtherwiseFail_1(1) Comments : ALERTING message with progress indicator description as parameter					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_N00_1			
2		CPA1!CP_M START TWAIT	RDY		
3		L1?SETUP_BROADCASTr (CREF := SETUP_BROADCASTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
4		L1!PDUs	Ms(CP_S1(1,CREF))		
5		L1!PDUs	Ms(ALT_S2(1,CREF, cpa_pi_pd))		
6		?TIMEOUT TWAIT		(I)	no response
7		+PO_SR_1(1)			postamble N0
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : PR_N09_1_ACM Group : ISDN_Step_1/ Objective : Preamble to the Incoming Call Proceeding call state N09 having sent the ACM. Default : OtherwiseFail_1(1) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_N00_1			
2		CPA1!CP_M	RDY		
3		START TWAIT			
4		L1?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
5		L1!PDUs	Ms(CP_S1(1,CREF))		
6		?TIMEOUT TWAIT		(I)	no response
7		+PO_SR_1(1)			postamble N0
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : PR_N09_1_ACM_1(cpa_pi_pd: INTEGER) Group : ISDN_Step_1/ Objective : Preamble to the Incoming Call Proceeding call state N09 having sent the ACM. Default : OtherwiseFail_1(1) Comments : Progress indicator description as parameter					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_N00_1			
2		CPA1!CP_M	RDY		
3		START TWAIT			
4		L1?SETUP_BROADCASTTr (CREF := SETUP_BROADCASTTr.mun.cr.cr_r) CANCEL TWAIT	SBr(SU_R2(CHib_R2))		
5		L1!PDUs	Ms(CP_S2(1,CREF,cpa_pi_pd))		
6		?TIMEOUT TWAIT		(I)	no response
7		+PO_SR_1(1)			postamble N0
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : PTC1_SYNC Group : ISDN_Step_1/ Objective : Synchronise interface 1 (ISDN) with MTC (and indirectly with interface 2 (ISDN) and interface 3 (ISUP)) Default : OtherwiseFail_1(1) Comments : Sends a READY CM to MTC and waits for one in response					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CPA1!CP_M	RDY		
2		CPA1?CP_M	RDY		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : PO_SR_2 Group : ISUP_Step/ Objective : To release the call. Send the RELEASE message. Default : OtherwiseFail_2 Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		L2! P_PDUs START TWAIT	TrR(P_REL_S (CIC_VAL))		
2		L2? P_PDUr CANCEL TWAIT	TrI(P_RLC_R (CIC_VAL))		
3		L2?OTHERWISE CANCEL TWAIT		(I)	
4		?TIMEOUT TWAIT		(I)	
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : PR_N06_2_ACM_AUTO Group : ISUP_Step/ Objective : Bring IUT to the DSS1 call state N06. Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CPA2!CP_M	RDY		
2		CPA2?CP_M	S_MSG		
3		L2!P_PDUs START TAC	TrR (P_IAM_S)		
4		L2?P_PDUr CANCEL TAC	TrI (P_ACM_R (PXP_CIC_S))		
5		?TIMEOUT TAC		(I)	
6		+PO_SR_2			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : PR_N06_2 Group : ISUP_Step/ Objective : Bring IUT to the DSS1 call state N06. Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CPA2!CP_M	RDY		
2		CPA2?CP_M	S_MSG		
3		L2!P_PDUs	TrR (P_IAM_S)		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : PR_N07_2 Group : ISUP_Step/ Objective : Bring IUT to the DSS1 call state N07. Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CPA2!CP_M	RDY		
2		CPA2?CP_M	S_MSG		
3		L2!P_PDUr START TWAIT	TrR (P_IAM_S)		
4		L2?P_PDUr START TWAIT	TrI (P_ACM_R (PXP_CIC_S))		
5		L2?P_PDUr CANCEL TWAIT	TrI (P_CPG_R1 (PXP_CIC_S,1))		
6		?TIMEOUT TWAIT		(I)	
7		+PO_SR_2			
8		?TIMEOUT TWAIT		(I)	
9		+PO_SR_2			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : PR_N09_2_ACM Group : ISUP_Step/ Objective : Bring IUT to the DSS1 call state N09, having sent the ACM Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CPA2!CP_M	RDY		
2		CPA2?CP_M	S_MSG		
3		L2!P_PDUr START TAC	TrR (P_IAM_S)		
4		L2?P_PDUr CANCEL TAC	TrI (P_ACM_R (PXP_CIC_S))		
5		?TIMEOUT TAC		(I)	
6		+PO_SR_2			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : PTC2_SYNC Group : ISUP_Step/ Objective : Synchronise interface 2 (ISUP) with MTC (and indirectly with interface 1 (ISDN) and interface 3 (ISDN)) Default : OtherwiseFail_2 Comments : Sends a READY CM to MTC and waits for one in response					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CPA2!CP_M	RDY		
2		CPA2?CP_M	RDY		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : PO_RR_3 (FL:INTEGER) Group : ISDN_Step_2/ Objective : Default : OtherwiseFail_3(FL) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START TWAIT			
2		L3?PDUr CANCEL TWAIT	Mr(RC_R1((FL+1)MOD 2,CREF))		
3		L3?PDUr CANCEL TWAIT	Mr(DI_R1((FL+1)MOD 2,CREF))		
4		L3!PDUs START TAC	Ms(RL_S1(FL,CREF,16))		
5		L3?PDUr CANCEL TAC	Mr(RC_R1((FL+1)MOD 2,CREF))		
6		?TIMEOUT TAC		(I)	
7		L3?PDUr CANCEL TWAIT	Mr(RL_R1((FL+1)MOD 2,CREF))		
8		L3!PDUs	Ms(RC_S1(FL,CREF))		
9		?TIMEOUT TWAIT		(I)	
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : PO_SR_3(FL: INTEGER) Group : ISDN_Step_2/ Objective : To bring the IUT back to the Null call state N00. Send the RELEASE message. Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		L3!PDUs START TWAIT	Ms(RL_S1(FL,CREF,16))		(1)
2		L3?PDUr CANCEL TWAIT	Mr(RC_R1((FL+1)MOD 2,CREF))		(2)
3		?TIMEOUT TWAIT		(I)	no response
4		L3?OTHERWISE		(I)	(3)
Detailed Comments : (1) A valid RELEASE message indicating the cause value 16 "Normal call clearing" is sent. (2) A RELEASE COMPLETE message is received from the IUT. (3) An invalid event occurred.					

Test Step Dynamic Behaviour					
Test Step Name : PR_N00_3 Group : ISDN_Step_2/ Objective : Preamble to the ISDN Null call state N00. Default : OtherwiseFail Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1	L1	[NOT PX_L2_INIT]			(1)
2		+INIT_VARIABLES			(1)
3		[PX_L2_INIT]			(2)
4		+INIT_VARIABLES			(3)
5		L3!DL_REL_RQ START TAC			(4)
6		L3?DL_REL_CO CANCEL TAC		(P)	(5)
7		L3!DL_EST_RQ START TAC			(6)
8		L3?DL_EST_CO CANCEL TAC		(P)	(7)
9		+WAIT_RESTART			(8)
10		L3?DL_REL_IN START TNOAC			(9)
11		L3?DL_EST_IN CANCEL TAC , CANCEL TNOAC		(P)	(10)
12		+WAIT_RESTART			(11)
13		?TIMEOUT TNOAC			(12)
14		L3!DL_EST_RQ			(13)
15		GOTO L1			(14)
16		L3?OTHERWISE		I	(15)
17		L3?DL_EST_IN CANCEL TAC , START TNOAC			(16)
18		L3?DL_EST_CO CANCEL TNOAC		(P)	(17)
19		+WAIT_RESTART			(18)
20		?TIMEOUT TNOAC		I	no response
21		L3?OTHERWISE		I	(19)
22		?TIMEOUT TAC		I	no response
23		L3?OTHERWISE		I	(20)
24		?TIMEOUT TAC		I	no response
25		L2?OTHERWISE		I	(21)
26		INIT_VARIABLES			
27		[PC_BASIC] (CREF:='0000001'B, GLOB_CREF:='0000000'B, B_CHN:=INT_TO_BIT(PX_CH_NUM,2))			Basic access
28		[NOT PC_BASIC]			
29		(CREF:='0000000000000001'B, GLOB_CREF:='0000000000000000'B, B_CHN:=INT_TO_BIT(PX_CH_NUM,7))			Primary rate access
30		WAIT_RESTART			
31		[PX_WAIT_RESTART]			
32	LR	START T_RESTART L3?RESTARTr CANCEL T_RESTART	RSr(RST_R2(0,GLOB_CREF,6))		Single interface
33		L3!PDUs	Ms(RSA_S2(1,GLOB_CREF,6))		
34		GOTO LR			
35		L3?RESTARTr [NOT PC_BASIC] (B_CHN_RS:=RESTARTr.mun.chi_rs.ch i_cn, CHI_LENGTH := RESTARTr.mun.chi.chi_l) CANCEL T_RESTART	RSr(RST_R1(0,GLOB_CREF,0))		Indicated channels
36		L3!PDUs	Ms(RSA_S1(1,GLOB_CREF,B_CHN,B _CHN_RS,CHI_LENGTH,0))		
37		GOTO LR			
38		L3?RESTARTr [PC_BASIC] (B_CHN:= RESTARTr.mun.chi.chi_e3_cs) CANCEL T_RESTART	RSr(RST_R1(0,GLOB_CREF,0))		Indicated channels
39		L3!PDUs	Ms(RSA_S1(1,GLOB_CREF,B_CHN,B _CHN_RS,CHI_LENGTH,0))		

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Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
40		GOTO LR			
41		?TIMEOUT T_RESTART			
42		[NOT PX_WAIT_RESTART]			
Detailed Comments : The layer 2 of the IUT at the access related to MTC (CES1) must have a TEI assigned value before the execution of this preamble. The procedure to assign the TEI value to the IUT is a matter for the test laboratory. (1) The local subtree INIT_VARIABLES is used to assign initial values to test case variables taking into account the used interface configuration. (2) Termination of the multiple frame operation is requested (A DISC frame is sent). (3) Termination of the multiple frame operation is confirmed (A UA or a DM frame is received). (4) Establishment of the multiple frame operation is requested (A SABME frame is sent). (5) Establishment of the multiple frame operation is confirmed (A UA frame is received). (6) The local subtree WAIT_RESTART is used to deal with the receipt of RESTART messages that may be sent by the IUT after the re-establishment of the multiple frame operation. (7) An unsuccessful establishment attempt is reported (A DM frame is received). (8) Establishment of the multiple frame operation is indicated (A SABME frame is received and a UA frame is sent). (9) Establishment of the multiple frame operation (requested in line 4) is confirmed (A UA frame is received). (10) Any other event occurred.					

Test Step Dynamic Behaviour					
Test Step Name : PTC3_SYNC Group : ISDN_Step_2/ Objective : Synchronise interface 3 (ISDN) with MTC (and indirectly with interface 1 (ISDN) and interface 2 (ISUP)) Default : OtherwiseFail_3(1) Comments : Sends a READY CM to MTC and waits for one in response					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		CPA3!CP_M	RDY		
2		CPA3?CP_M	RDY		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : MTC_SYNC Group : MTC_Step/ Objective : MTC synchronises both sides ISDN(x2) and ISUP Default : Comments : Waits for a READY CM from each PTC and then sends one to each PTC.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START TAC			
2		CPA1?CP_M CANCEL TAC, START TAC	RDY		
3		CPA2?CP_M CANCEL TAC, START TAC	RDY		
4		CPA3?CP_M CANCEL TAC	RDY		
5		CPA1!CP_M	RDY		
6		CPA2!CP_M	RDY		
7		CPA3!CP_M	RDY		
8		?TIMEOUT TAC			
9		CPA1!CP_M	STOP_PTC		
10		CPA2!CP_M	STOP_PTC		
11		CPA3!CP_M	STOP_PTC		
12		CPA3?CP_M CANCEL TAC, START TAC	RDY		
13		CPA2?CP_M CANCEL TAC	RDY		
14		CPA1!CP_M	RDY		
15		CPA2!CP_M	RDY		
16		CPA3!CP_M	RDY		
17		?TIMEOUT TAC			
18		CPA1!CP_M	STOP_PTC		
19		CPA2!CP_M	STOP_PTC		
20		CPA3!CP_M	STOP_PTC		
21		?TIMEOUT TAC			
22		CPA1!CP_M	STOP_PTC		
23		CPA2!CP_M	STOP_PTC		
24		CPA3!CP_M	STOP_PTC		
25		CPA2?CP_M CANCEL TAC, START TAC	RDY		
26		CPA1?CP_M CANCEL TAC, START TAC	RDY		
27		CPA3?CP_M CANCEL TAC	RDY		
28		CPA1!CP_M	RDY		
29		CPA2!CP_M	RDY		
30		CPA3!CP_M	RDY		
31		?TIMEOUT TAC			
32		CPA1!CP_M	STOP_PTC		
33		CPA2!CP_M	STOP_PTC		
34		CPA3!CP_M	STOP_PTC		
35		CPA3?CP_M CANCEL TAC, START TAC	RDY		
36		CPA1?CP_M CANCEL TAC	RDY		
37		CPA1!CP_M	RDY		
38		CPA2!CP_M	RDY		
39		CPA3!CP_M	RDY		
40		?TIMEOUT TAC			
41		CPA1!CP_M	STOP_PTC		
42		CPA2!CP_M	STOP_PTC		
43		CPA3!CP_M	STOP_PTC		
44		?TIMEOUT TAC			
45		CPA1!CP_M	STOP_PTC		
46		CPA2!CP_M	STOP_PTC		
47		CPA3!CP_M	STOP_PTC		
48		CPA3?CP_M CANCEL TAC, START TAC	RDY		
49		CPA1?CP_M CANCEL TAC, START TAC	RDY		
50		CPA2?CP_M CANCEL TAC	RDY		
51		CPA1!CP_M	RDY		
52		CPA2!CP_M	RDY		

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Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
53		CPA3!CP_M	RDY		
54		?TIMEOUT TAC			
55		CPA1!CP_M	STOP_PTC		
56		CPA2!CP_M	STOP_PTC		
57		CPA3!CP_M	STOP_PTC		
58		CPA2?CP_M CANCEL TAC, START TAC	RDY		
59		CPA1?CP_M CANCEL TAC	RDY		
60		CPA1!CP_M	RDY		
61		CPA2!CP_M	RDY		
62		CPA3!CP_M	RDY		
63		?TIMEOUT TAC			
64		CPA1!CP_M	STOP_PTC		
65		CPA2!CP_M	STOP_PTC		
66		CPA3!CP_M	STOP_PTC		
67		?TIMEOUT TAC			
68		CPA1!CP_M	STOP_PTC		
69		CPA2!CP_M	STOP_PTC		
70		CPA3!CP_M	STOP_PTC		
71		?TIMEOUT TAC			
72		CPA1!CP_M	STOP_PTC		
73		CPA2!CP_M	STOP_PTC		
74		CPA3!CP_M	STOP_PTC		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : PR_N00_MTC Group : MTC_Step/ Objective : To start the testcase guard timer T_GUARD Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START T_GUARD			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : PR_N06_MTC Group : MTC_Step/ Objective : To start the testcase guard timer T_GUARD Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_N00_MTC			
2		+PTC_Ready			
3		CPA2!CP_M	S_MSG		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : PR_N07_MTC Group : MTC_Step/ Objective : To start the testcase guard timer T_GUARD Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_N00_MTC			
2		+PTC_Ready			
3		CPA2!CP_M	S_MSG		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : PR_N09_MTC Group : MTC_Step/ Objective : To bring the IUT to the call state N9 Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR_N00_MTC			(1)
2		+PTC_Ready			
3		CPA2!CP_M	S_MSG		
Detailed Comments : (1) To start the testcase guard timer T_GUARD					

Test Step Dynamic Behaviour					
Test Step Name : PTC_Ready Group : PTC_Step/ Objective : Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START TWAIT			
2		CPA1?CP_M	RDY		
3		CPA2?CP_M CANCEL TWAIT	RDY		
4		?TIMEOUT TWAIT		I	
5		CPA2?CP_M	RDY		
6		CPA1?CP_M CANCEL TWAIT	RDY		
7		?TIMEOUT TWAIT		I	
8		?TIMEOUT TWAIT		I	
Detailed Comments :					

Default Dynamic Behaviour					
Default Name : OtherwiseFail Group : Objective : Default behaviour for the MTC Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		?TIMEOUT T_GUARD		(I)	no response
2		START TAC			
3		?DONE(PTC1) CANCEL TAC, START TAC			(1)
4		?DONE(PTC2) CANCEL TAC			(1)
5		+END_PTC3_ACTIONS			(5)
6		?DONE(PTC3) CANCEL TAC			(1)
7		+END_PTC2_ACTIONS			(4)
8		?TIMEOUT TAC			no response
9		CPA2!CP_M	STOP_PTC		(2)
10		+END_PTC2_ACTIONS			(4)
11		CPA3!CP_M	STOP_PTC		(2)
12		+END_PTC3_ACTIONS			(5)
13		?DONE(PTC2) CANCEL TAC, START TAC			(1)
14		?DONE(PTC1) CANCEL TAC			(1)
15		+END_PTC3_ACTIONS			(5)
16		?DONE(PTC3) CANCEL TAC			(1)
17		+END_PTC1_ACTIONS			(3)
18		?TIMEOUT TAC			no response
19		CPA1!CP_M	STOP_PTC		(2)
20		+END_PTC1_ACTIONS			(3)
21		CPA3!CP_M	STOP_PTC		(2)
22		+END_PTC3_ACTIONS			(5)
23		?DONE(PTC3) CANCEL TAC, START TAC			(1)
24		?DONE(PTC1) CANCEL TAC			(1)
25		+END_PTC2_ACTIONS			(4)
26		?DONE(PTC2) CANCEL TAC			(1)
27		+END_PTC1_ACTIONS			(3)
28		?TIMEOUT TAC			no response
29		CPA1!CP_M	STOP_PTC		(2)
30		+END_PTC1_ACTIONS			(3)
31		CPA2!CP_M	STOP_PTC		(2)
32		+END_PTC2_ACTIONS			(4)
33		?TIMEOUT TAC			no response
34		CPA1!CP_M	STOP_PTC		(2)
35		+END_PTC1_ACTIONS			(3)
36		CPA2!CP_M	STOP_PTC		(2)
37		+END_PTC2_ACTIONS			(4)
38		CPA3!CP_M START TWAIT	STOP_PTC		(2)
39		+END_PTC3_ACTIONS			(5)
40		END_PTC1_ACTIONS			
41		START TAC			
42		?DONE(PTC1) CANCEL TAC		R	(1)
43		?TIMEOUT TAC			no response
44		CPA1!CP_M START TWAIT	STOP_PTC		(2)
45		?DONE(PTC1) CANCEL TWAIT		R	(1)
46		?TIMEOUT TWAIT		R	no response
47		END_PTC2_ACTIONS			
48		START TAC			
49		?DONE(PTC2) CANCEL TAC		R	(1)
50		?TIMEOUT TAC			no response
51		CPA2!CP_M START TWAIT	STOP_PTC		(2)

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Default Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
50		?DONE(PTC2) CANCEL TWAIT		R	(1)
51		?TIMEOUT TWAIT		R	no response
52		END_PTC3_ACTIONS			
53		START TAC			
54		?DONE(PTC3) CANCEL TAC		R	(1)
55		?TIMEOUT TAC			no response
56		CPA3!CP_M START TWAIT	STOP_PTC		(2)
57		?DONE(PTC3) CANCEL TWAIT		R	(1)
		?TIMEOUT TWAIT		R	no response
Detailed Comments : (1) All procedures at PTC have finished their activity. (2) This coordination message indicates to PTC to terminate all actions. (3) Subtree to terminate all actions at PTC1. (4) Subtree to terminate all actions at PTC2. (5) Subtree to terminate all actions at PTC3.					

Default Dynamic Behaviour					
Default Name : OtherwiseFail_1 (FL:INTEGER) Group : Objective : Default subtree for all test cases. Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		?TIMEOUT		F	
2		L1?DL_REL_IN		I	DL failure
3		L1?DL_EST_IN		(I)	DL reset
4		+RELEASE_CALL(FL)			(1)
5		+IGNORE_MESSAGES(FL)			(2)
6		RETURN			(3)
7		CPA1?CP_M	STOP_PTC		
8		+RELEASE_CALL(FL)			(1)
9		L1?OTHERWISE		(F)	(4)
10		+RELEASE_CALL(FL)			(1)
11		IGNORE_MESSAGES(FL: INTEGER)			
12		L1?PDUr	Mr(CA_R1(0,CREF))		ignore
13		L1?PDUr	Mr(IN_R((FL+1)MOD 2,CREF))		ignore
14		L1?PDUr	Mr(NO_R1((FL+1)MOD 2,CREF))		ignore
15		L1?PDUr	Mr(SQ_R1((FL+1)MOD 2,CREF))		ignore
16		L1?PDUr	Mr(GFP_R1((FL+1)MOD 2,CREF))		ignore
17	L1	RELEASE_CALL(FL: INTEGER)			
18		L1!PDUs START TAC	Ms(RL_S1(FL,CREF,16))		(5)
19		L1?PDUr CANCEL TAC	Mr(RC_R1((FL+1)MOD 2,CREF))	R	(6)
20		?TIMEOUT TAC		R	no response
21		+IGNORE_MESSAGES(FL)			(2)
22		GOTO L1			
23		L1?OTHERWISE		R	(4)
Detailed Comments : (1) Subtree to release the call. (2) Subtree to filter the receipt of certain messages. (3) Return to the test body. (4) An invalid event occurred. (5) A valid RELEASE message with cause #16 is sent. (6) A RELEASE COMPLETE message is received from the IUT.					

Default Dynamic Behaviour					
Default Name : OtherwiseFail_2 Group : Objective : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		L2? P_PDUR	TrI(P_REL_R(CIC_VAL))	(F)	
2		L2! P_PDUs	TrR(P_RLC_S(CIC_VAL))		
3		L2?P_IAMr (CIC_VAL := P_IAMr.isup_pdu.CICode.CIC)	IrI(P_IAM_R)	(F)	
4		L2! P_PDUs START TAC	TrR(P_REL_S (CIC_VAL))		
5		L2? P_PDUR CANCEL TAC	TrI(P_RLC_R (CIC_VAL))	R	
6		?TIMEOUT TAC		(F)	
7		L2! P_PDUs	TrR(P_RSC_S(CIC_VAL))		
8		+RLC_or_BLO			
9		CPA2?CP_M	STOP_PTC		
10		L2! P_PDUs	TrR(P_RSC_S (CIC_VAL))		
11		+RLC_or_BLO			
12		L2?OTHERWISE		(F)	
13		L2! P_PDUs	TrR(P_RSC_S (CIC_VAL))		
14		+RLC_or_BLO			
		RLC_or_BLO			
15		START TWAIT			
16		L2? P_PDUR CANCEL TWAIT	TrI(P_RLC_R(CIC_VAL))	R	
17		?TIMEOUT TWAIT		F	
18		L2?OTHERWISE		F	
Detailed Comments : 1. Timer T_WAIT is used to prevent an infinite loop if the RLC is not received. 2. See 2.9.3.1 c) / Q.764					

Default Dynamic Behaviour					
Default Name : OtherwiseFail_3 (FL:INTEGER)					
Group :					
Objective : Default subtree for all test cases.					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1	L2	?TIMEOUT	STOP_PTC	F	
2		L3?DL_REL_IN		I	DL failure
3		L3?DL_EST_IN		(I)	DL reset
4		+RELEASE_CALL(FL)			(1)
5		+IGNORE_MESSAGES(FL)			(2)
6		RETURN			(3)
7		CPA3?CP_M			
8		+RELEASE_CALL(FL)			(1)
9		L3?OTHERWISE		(F)	(4)
10		+RELEASE_CALL(FL)			(1)
		IGNORE_MESSAGES(FL: INTEGER)			
11		L3?PDUr	Mr(CA_R1(0,CREF))		ignore
12		L3?PDUr	Mr(IN_R((FL+1)MOD 2,CREF))		ignore
13		L3?PDUr	Mr(NO_R1((FL+1)MOD 2,CREF))		ignore
14		L3?PDUr	Mr(SQ_R1((FL+1)MOD 2,CREF))		ignore
15		L3?PDUr	Mr(GFP_R1((FL+1)MOD 2,CREF))		ignore
		RELEASE_CALL(FL: INTEGER)			
16		L3!PDUs START TAC	Ms(RL_S1(FL,CREF,16))		(5)
17		L3?PDUr CANCEL TAC	Mr(RC_R1((FL+1)MOD 2,CREF))	R	(6)
18		?TIMEOUT TAC		R	no response
19		+IGNORE_MESSAGES(FL)			(2)
20	GOTO L2				
21	L3?OTHERWISE		R	(4)	
Detailed Comments : (1) Subtree to release the call. (2) Subtree to filter the receipt of certain messages. (3) Return to the test body. (4) An invalid event occurred. (5) A valid RELEASE message with cause #16 is sent. (6) A RELEASE COMPLETE message is received from the IUT.					