

ISUPv3_PLMN

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Test Suite Overview

Test Suite Structure			
Suite Name : ISUPv3_PLMN			
Standards Ref :			
PICS Ref : ETSI specification EN 300 646– 2			
PIXIT Ref : ETSI specification EN 300 646– 4, Annex B			
Test Method(s) : Distributed multi–party test method			
Comments :			
Test Group Reference	Selection Ref	Test Group Objective	Page Nr
ISUP_PLMN/			423
ISUP_PLMN/BC/		Basic Call Functions	423
ISUP_PLMN/BC/ECHO/		Echo control procedures	423
ISUP_PLMN/BC/PLMN/		Call from PLMN to fixed network	440
ISUP_PLMN/BC/FIXED/		Call from fixed network to PLMN	452
ISUP_PLMN/ISDN_SS/		ISDN supplementary services	464
ISUP_PLMN/ISDN_SS/CLIP/		Calling line identification presentation	464
ISUP_PLMN/ISDN_SS/COLP/		Connected line identification presentation	476
ISUP_PLMN/ISDN_SS/UUS/		User to user signalling	482
ISUP_PLMN/ISDN_SS/MCID/		Malicious call identification	485
ISUP_PLMN/ISDN_SS/ECT/		Explicit call transfer	491
ISUP_PLMN/ISDN_SS/CFU/		Call forward unconditional	497
ISUP_PLMN/ISDN_SS/CFB/		Call forward busy	503
ISUP_PLMN/ISDN_SS/CFNR/		Call forward no reply	509
ISUP_PLMN/ISDN_SS/CCBS/		Completion of calls to busy subscriber	515
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Test Suite Structure			
Test Group Reference	Selection Ref	Test Group Objective	Page Nr
ISUP_PLMN/GSM_SS/CFNRc/		Call forwarding on mobile subscriber not reachable	518
ISUP_PLMN/TS/		Teleservices	525
ISUP_PLMN/TS/ATP/		Access transport	525
Detailed Comments :			

Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
ISUP_PLMN/BC/ECHO/	BC_V_1_1_IUT_echo_handling	GMSC	IUT echo control device included information	423
ISUP_PLMN/BC/ECHO/	BC_V_1_2_IUT_echo_handling	GMSC	IUT echo control device included information	425
ISUP_PLMN/BC/ECHO/	BC_V_1_3_IUT_echo_handling	GMSC	IUT echo control device included information	427
ISUP_PLMN/BC/ECHO/	BC_V_1_4_IUT_echo_handling	GMSC	IUT echo control device included information	430
ISUP_PLMN/BC/ECHO/	BC_V_1_5_IUT_echo_handling	GMSC	IUT echo control device included information	432
ISUP_PLMN/BC/ECHO/	BC_V_1_6_IUT_echo_handling	GMSC	IUT echo control device included information	435
ISUP_PLMN/BC/ECHO/	BC_V_1_7_IUT_echo_handling	GMSC	IUT echo control device included information	437
ISUP_PLMN/BC/PLMN/	BC_V_1_8_IUT_INN_routing_allowed_MSRN	GMSC	To verify that GMSC sets INN indicator as 0 when called number contains MSRN number.	440
ISUP_PLMN/BC/PLMN/	BC_V_1_9_IUT_INN_routing_not_allowed	GMSC	To verify that GMSC sets INN indicator as 1 when called number contains ISDN number.	443
ISUP_PLMN/BC/PLMN/	BC_V_1_10_IUT_USI_parameter	GMSC		446
ISUP_PLMN/BC/PLMN/	BC_V_1_11_IUT_no_redirection_information	GMSC		449
ISUP_PLMN/BC/FIXED/	BC_V_1_12_IUT_INN_routing_allowed	GHLR	To verify that GMSC sets INN indicator as 0 when called number contains MSRN number.	452

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Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
ISUP_PLMN/BC/FIXED/	BC_V_1_13_IUT_INN_routing_not_allowed	GHLR	To verify that GMSC sets INN indicator as 1 when called number contains MSISDN number.	455
ISUP_PLMN/BC/FIXED/	BC_V_1_14_IUT_FCI_international_call	GMSC	To verify that the GMSC passes the Forward Call Indicator information "international call"	458
ISUP_PLMN/BC/FIXED/	BC_V_1_15_IUT_REL_with_cause_20	GMSC	To verify that the GMSC passes REL with cause value 20 and location indication is not changed to international network value.	461
ISUP_PLMN/ISDN_SS/CLIP/	ISDN_SS_V_2_1_IUT_CgPN_NatAdrI_international	NatIntGMSC	ED IUT sets the nature of address indicator in calling party number to international number	464
ISUP_PLMN/ISDN_SS/CLIP/	ISDN_SS_V_2_2_IUT_CgPN_not_transferred_if_address_notavailable	GMSC	No transfer of calling party number or generic number (add calling party num.) if "address not available".	467
ISUP_PLMN/ISDN_SS/CLIP/	ISDN_SS_V_2_3_IUT_GenNb_not_transferred_if_screening_ind_user_provided	GMSC	IUT passing additional calling number	470
ISUP_PLMN/ISDN_SS/CLIP/	ISDN_SS_V_2_4_IUT_GenNb_passed_in_IAM	GMSC	IUT passing additional calling number	473
ISUP_PLMN/ISDN_SS/COLP/	ISDN_SS_V_2_5_a_IUT_ConNb_NatAdrI_to_international_number_ANM	NatIntGMSC	ED IUT sets connected number to international in ANM	476

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Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
ISUP_PLMN/ISDN_SS/COLP/	ISDN_SS_V_2_5_b_IUT_ConNb_NatAdr l_to_international_number_CON	NatIntGMSC	ED IUT sets connected number to international in CON	479
ISUP_PLMN/ISDN_SS/UUS/	ISDN_SS_V_2_6_USI_over_35_octets_ not_transferred	NatIntGMSC	To verify that IUT discards User to User parameter with over 35 octet long information element.	482
ISUP_PLMN/ISDN_SS/MCID/	ISDN_SS_V_2_7_CgPN_NatAdrI_to_int ernational_IRS	NatIntGMSC	To verify that the GMSC modifies the nature of address indicator in calling party number from national to international.	485
ISUP_PLMN/ISDN_SS/MCID/	ISDN_SS_V_2_7_GenNb_addCgPn_Nat AdrI_to_international_IRS	NatIntGMSC	To verify that the GMSC modifies the nature of address indicator in calling party number from national to international.	488
ISUP_PLMN/ISDN_SS/ECT/	ISDN_SS_V_2_9_CTNb_NatAdrI_from_n at_to_int_FAC	NatIntGMSC	IUT sets call transfer number to international in the Facility Accepted message (FAC)	491
ISUP_PLMN/ISDN_SS/ECT/	ISDN_SS_V_2_10_CTNb_NatAdrI_from_ nat_to_int_CPG	NatIntGMSC	IUT sets the nature of address indicator in call transfer number to international number in the Call Progress Message (CPG)	494
ISUP_PLMN/ISDN_SS/CFU/	ISDN_SS_V_2_11_OriCdNb_and_RgNb _NatAdrI_from_nat_to_int_	NatIntGMSC	IUT manipulates original called number and redirecting number	497
ISUP_PLMN/ISDN_SS/CFU/	ISDN_SS_V_2_12_RnNb_NatAdrI_from_ nat_to_int_	NatIntGMSC	IUT manipulates redirection number	500
ISUP_PLMN/ISDN_SS/CFB/	ISDN_SS_V_2_13_OriCdNb_and_RgNb _NatAdrI_from_nat_to_int_	NatIntGMSC	IUT manipulates original called number and redirecting number	503

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Test Case Index				
Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
ISUP_PLMN/ISDN_SS/CFB/	ISDN_SS_V_2_14_RnNb_NatAdrl_from_nat_to_int	NatIntGMSC	IUT manipulates redirection number	506
ISUP_PLMN/ISDN_SS/CFNR/	ISDN_SS_V_2_15_OriCdNb_and_RgNb_NatAdrl_from_nat_to_int	NatIntGMSC	IUT manipulates original called number and redirecting number	509
ISUP_PLMN/ISDN_SS/CFNR/	ISDN_SS_V_2_16_RnNb_NatAdrl_from_nat_to_int	NatIntGMSC	IUT manipulates original called number and redirecting number	512
ISUP_PLMN/ISDN_SS/CCBS/	ISDN_SS_V_2_17_and_RgNb_NatAdrl_from_nat_to_int_OriCdNb	GMSC	IUT passes CCBS not possible indication	515
ISUP_PLMN/GSM_SS/CFNRc/	GSM_SS_V_3_1_a_CDInf_mob_sub_not_reachable_ACM	GMSC	To verify that the IUT can pass the Mobile Subscriber Not Reachable in the parameter call diversion information in the ACM message	518
ISUP_PLMN/GSM_SS/CFNRc/	GSM_SS_V_3_1_b_CDInf_mob_sub_not_reachable_CPG	GMSC	To verify that the IUT pass the Mobile Subscriber Not Reachable in the parameter call diversion information in the CPG message	520
ISUP_PLMN/GSM_SS/CFNRc/	GSM_SS_V_3_2_OriCdNb_RgNb_NatAdrl_from_nat_to_int	GMSC	To verify that the IUT changes the Nature of Address Indicator from national to international in parameters Original Called Number (OriCdNb) and Redirecting Number (RgNb).	522
ISUP_PLMN/TS/ATP/	GSM_SS_V_4_1_passing_ATP	GMSC	To verify that the IUT passes High Layer Compability (HLC) in Access Transport Parameter transparently	525
Detailed Comments :				

Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
Generic_steps/	check_no_tone	Currently dummy step. Included in order to keep conformance to standards and for future use.	527
Generic_steps/	check_no_channel	Currently dummy step. Included in order to keep conformance to standards and for future use.	527
Generic_steps/	check_communication	Currently dummy step. Included in order to keep conformance to standards and for future use.	528
Generic_steps/	check_idle	Currently dummy step. Included in order to keep conformance to standards and for future use.	528
Generic_steps/	postamble	Generic postamble for all test cases.	529
Generic_steps/	preamble	Generic preamble for all test cases.	529
Generic_steps/	ringing_tone	Currently dummy step. Included in order to keep conformance to standards and for future use.	530
Generic_steps/	TWAIT	Delay step	530
ISUP_steps/	A_CALL_SETUP	General message sequence send IAM, receive ACM, receive ANM. Message constraints delivered as parameters	531
ISUP_steps/	A_RECEIVE	General message sequence send MSG, receive MSG. Message constraints delivered as parameters	532
ISUP_steps/	A_RECEIVE_CALL_REL	General receive REL send RLC from B side of the call	533
ISUP_steps/	A_RECEIVE_cic		534
ISUP_steps/	A_SEND	General message sequence send MSG. Message constraint delivered as parameters	535
ISUP_steps/	A_SEND_CALL_REL	General send REL receive RLC from A side of the call	535
ISUP_steps/	A_SEND_CALL_REL_CA USE_20	General send REL receive RLC from A side of the call	536

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Test Step Index			
Test Step Group Reference	Test Step Id	Description	Page Nr
ISUP_steps/	A_SEND_CALL_REL_CAUSE_17_CCBS_not_possible	General send REL receive RLC from A side of the call	537
ISUP_steps/	A_TIMEOUT		538
ISUP_steps/	B_CALL_SETUP_AND_DISCONNECT_AB	General message sequence receive IAM, send REL and RLC.	539
ISUP_steps/	B_RECEIVE		540
ISUP_steps/	B_RECEIVE_CALL_REL_with_cause_20	General receive REL send RLC from B side of the call	541
ISUP_steps/	B_RECEIVE_CALL_REL_17_CCBS_not_possible	General receive REL send RLC from B side of the call	542
ISUP_steps/	B_RECEIVE_CALL_REL	General receive REL send RLC from B side of the call	543
ISUP_steps/	B_RECEIVE_EITHER		544
ISUP_steps/	B_RECEIVE_cic		545
ISUP_steps/	B_SEND	General message sequence send MSG. Message constraint delivered as parameters	546
ISUP_steps/	B_SEND_CALL_REL	General send REL receive RLC from B side of the call.	546
ISUP_steps/	B_TIMEOUT		547
Detailed Comments :			

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Declarations Part

Simple Type Definitions			
Type Name	Type Definition	Type Encoding	Comments
BIT_1	BITSTRING[1]		
BIT_2	BITSTRING[2]		
BIT_3	BITSTRING[3]		
BIT_4	BITSTRING[4]		
BIT_5	BITSTRING[5]		
BIT_6	BITSTRING[6]		
BIT_7	BITSTRING[7]		
BIT_8	BITSTRING[8]		
BIT_12	BITSTRING[12]		
BIT_14	BITSTRING[14]		
HEX_1	HEXSTRING[1]		
HEX_4	HEXSTRING[4]		
HEX_6	HEXSTRING[6]		
HEX_N	HEXSTRING		
OCT_1	OCTETSTRING[1]		
OCT_2	OCTETSTRING[2]		
OCT_3	OCTETSTRING[3]		
OCT_4	OCTETSTRING[4]		
OCT_5	OCTETSTRING[5]		
OCT_6	OCTETSTRING[6]		
OCT_7	OCTETSTRING[7]		
OCT_N	OCTETSTRING		
OCT_1_32	OCTETSTRING[1..32]		
BS8	BITSTRING[8]		bitstring of length 8

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Simple Type Definitions			
Type Name	Type Definition	Type Encoding	Comments
circuitC_type	BIT_12		
CR_LENGTH_TYPE	INTEGER(1,2)		Call reference length type
Message_type	BIT_8		2.1 / Q.763
MT	BITSTRING[8]		Message type
Parameter_type	BIT_8		
PD	BITSTRING('00001000'B)		Protocol discriminator
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	BIT_8		
length	OCT_1		
AccessDel	BIT_1		Access delivery indicator
Spare	BIT_7		
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	BIT_8		
length	OCT_1		
ATP_field	OCT_N		Information elements
Detailed Comments :			

Structured Type Definition			
Type Name : Application_transport_parameter			
Encoding Variation:			
Comments : 3.82 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
Appl_cont_id	BIT_7		Application context identifier
Extl_1	BIT_1		Extension indicator
ATII	BIT_2		Application Transport Instruction Indicator
Extl_2	BIT_1		Extension indicator
APM_seg_ind	BIT_6		APM segmentation indicator
Seq_ind	BIT_1		Sequence Indicator
Extl_3	BIT_1		Extension indicator
SegLocRef	BIT_7		Segmentation local reference
Extl_4	BIT_1		Extension indicator
EncAppInf	OCT_N		Encapsulated Application Information
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	BIT_8		
length	OCT_1		
CongLevel	BIT_8		Automatic congestion level
Detailed Comments :			

Structured Type Definition			
Type Name : Backward_GVNS			
Encoding Variation:			
Comments : 3.62 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
TerminatingAccessInd	BIT_2		Terminating access indicator
Spare	BIT_5		
ExtensionInd	BIT_1		Extension indicator
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	BIT_8		
length	OCT_1		
ChargeInd	BIT_2		Charge indicator
CalledPartyStatusInd	BIT_2		Called party's Status indicator
CalledPartyCatInd	BIT_2		Called party's category indicator
EndToEndInd	BIT_2		End-to-end method indicator
InterworkingInd	BIT_1		Interworking indicator
EndToEndInfoInd	BIT_1		End-to-end information indicator
ISUPInd	BIT_1		ISDN User Part indicator
HoldingInd	BIT_1		Holding indicator @
ISDNAccessInd	BIT_1		ISDN access indicator
EchoControlDevInd	BIT_1		Echo control device indicator
SCCPMethodInd	BIT_2		SCCP method indicator
Detailed Comments : @ 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	BIT_8		
length	OCT_1		
NotificationSubscriptionOptions	BIT_3		Notification subscription options
RedirectionReason	BIT_4		Redirection reason
Spare	BIT_1		
Detailed Comments :			

Structured Type Definition			
Type Name : Call_diversion_treatment_indicators			
Encoding Variation:			
Comments : 3.72/Q763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
CallDivertedInd	BIT_2		Call to be diverted indicator
Spare	BIT_5		
ExtensionInd	BIT_1		Extension indicator
Detailed Comments :			

Structured Type Definition			
Type Name : Call_history_information			
Encoding Variation:			
Comments : 3.7 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
PropagatDelayValue	OCT_2		Propagation delay value
Detailed Comments :			

Structured Type Definition			
Type Name : Call_offering_treatment_indicators			
Encoding Variation:			
Comments : 3.74 / Q763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
CallOfferedInd	BIT_2		Call to be offered indicator
Spare	BIT_5		
ExtensionInd	BIT_1		Extension indicator
Detailed Comments :			

Structured Type Definition			
Type Name : Call_reference			
Encoding Variation:			
Comments : 3.8 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
CRef_contents	OCT_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 : Call_transfer_number			
Encoding Variation:			
Comments : 3.64 / Q763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
NatureOfAddrInd	BIT_7		Nature of address indicator
OddEvenInd	BIT_1		Odd/even indicator
ScreeningInd	BIT_2		Screening indicator
AddrPresRestrictionInd	BIT_2		Address presentation restriction indicator
NumberingPlanInd	BIT_3		Numbering plan indicator
Spare	BIT_1		
AddrSignals	HEX_N		Address signals
Filler	HEX_1		
Detailed Comments :			

Structured Type Definition			
Type Name : Called_party_number			
Encoding Variation:			
Comments : 3.9 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
length	OCT_1		
NatureOfAddrInd	BIT_7		Nature of address indicator
OddEven	BIT_1		Odd/even indicator
Spare	BIT_4		
NumberingPlanInd	BIT_3		Numbering plan indicator
INNInd	BIT_1		Internal network number indicator
AddrSignals	HEX_N		Address signals
Filler	HEX_1		
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	BIT_8		
length	OCT_1		
NatureOfAddrInd	BIT_7		Nature of address indicator
OddEven	BIT_1		Odd/even indicator
ScreeningInd	BIT_2		Screening indicator
AddrPresentRestInd	BIT_2		Address presentation restricted indicator
NumberingPlanInd	BIT_3		Numbering plan indicator
NIInd	BIT_1		Calling party number incomplete indicator
AddrSignals	HEX_N		Address signals
Filler	HEX_1		
Detailed Comments :			

Structured Type Definition			
Type Name : Calling_partys_category			
Encoding Variation:			
Comments : 3.11 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
CallingPartysCategory	BIT_8		Calling party's category
Detailed Comments :			

Structured Type Definition			
Type Name : Cause_indicators			
Encoding Variation:			
Comments : 3.12 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
Location	BIT_4		Location
Spare	BIT_1		
CodingStandard	BIT_2		Coding standard
Ext1	BIT_1		Extension indicator
Reserved	BIT_7		0000000 Rec. Q.763 (default if octet omitted) 1111111 National Recommendation. remaining values are reserved.
Ext1a	BIT_1		Present when Reserved field is present
CauseValue	BIT_7		Cause value
Ext2	BIT_1		Extension indicator
Diagnostics	OCT_N		
Detailed Comments :			

Structured Type Definition			
Type Name : Circuit_identification_code			
Encoding Variation:			
Comments : 1.2 / Q763			
Element Name	Type Definition	Field Encoding	Comments
CIC	BIT_12		Circuit identification code
Spare	BIT_4		
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	BIT_8		1.
length	OCT_1		
CUGIC_contents	OCT_4		
Detailed Comments :			
1. The contents of this parameter are not subdivided because valueas are easy to give as hexnumbers.			

Structured Type Definition			
Type Name : Conference_treatment_indicators			
Encoding Variation:			
Comments : 3.76 / Q763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
ConfAcceptanceInd	BIT_2		Conference acceptance indicator
Spare	BIT_5		
ExtensionInd	BIT_1		Extension indicator
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	BIT_8		
length	OCT_1		
NatureOfAddrInd	BIT_7		Nature of address indicators
OddEven	BIT_1		Odd/even indicator
ScreeningInd	BIT_2		Screening indicator
AddrPresentRestInd	BIT_2		Address presentation restriction indicator
NumberingPlanInd	BIT_3		Numbering plan indicator
Spare	BIT_1		
AddrSignals	HEXSTRING		Address signals
Filler	HEX_1		
Detailed Comments :			

Structured Type Definition			
Type Name : Connection_request			
Encoding Variation:			
Comments : 3.17 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
ConRq_contents	OCT_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 : Correlation_id			
Encoding Variation:			
Comments : 3.70 / Q763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
CorrelationId	OCT_N		
Detailed Comments :			
The CorrelationId information is not interpreted by isup, hence it is transferred transparently through isup.			

Structured Type Definition			
Type Name : Echo_control_information			
Encoding Variation:			
Comments : 3.19 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
OEchoRsl	BIT_2		Outgoing half echo control device response indicator
IEchoRsl	BIT_2		Incoming half echo control device response indicator
OEchoRql	BIT_2		Outgoing half echo control device request indicator
IEchoRql	BIT_2		Incoming half echo control device request indicator
Detailed Comments :			

Structured Type Definition			
Type Name : Event_information			
Encoding Variation:			
Comments : 3.21 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
EventInd	BIT_7		Event indicator
EventPresentRestrInd	BIT_1		Event presentation restriction indicator @
Detailed Comments :			

Structured Type Definition			
Type Name : Forward_GVNS			
Encoding Variation:			
Comments : 3.66 / Q763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
OPSP_Len	BIT_4		
OPSP_Spare	BIT_3		
OPSP_OddEven	BIT_1		
OPSP_AddSign	HEX_N		
OPSP_Filler	HEX_1		Used to fill in '0000' in case of odd number of digits
GUG_Len	BIT_4		
GUG_Spare	BIT_3		
GUG_OddEven	BIT_1		
GUG_AddSign	HEX_N		
GUG_Filler	HEX_1		Used to fill in '0000' in case of odd number of digits
TNRN_Len	BIT_4		
TNRN_NumPlanInd	BIT_3		
TNRN_OddEven	BIT_1		
TNRN_NatOfAddInd	BIT_7		
TNRN_Spare	BIT_1		
TNRN_AddSign	HEX_N		
TNRN_Filler	HEX_1		

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Structured Type Definition

Detailed Comments :

Structured Type Definition

Type Name : Forward_call_indicators

Encoding Variation:

Comments : 3.23 / Q.763

Element Name	Type Definition	Field Encoding	Comments
NatIntCallInd	BIT_1		National/international call indicator
EndToEndMethInd	BIT_2		End-to-end method indicator
InterworkInd	BIT_1		Interworking indicator
EndToEndInfoInd	BIT_1		End-to_end information indicator
ISUPInd	BIT_1		ISDN User Part indicator
ISUPPreferenceInd	BIT_2		ISDN User Part preference indicator
ISDNAccessInd	BIT_1		ISDN access indicator
SCCPMethodInd	BIT_2		SCCP method indicator
Spare	BIT_1		
Reserved	BIT_2		
VPNCallInd	BIT_2		VPN call indicator

Detailed Comments :

Structured Type Definition			
Type Name : Generic_digits			
Encoding Variation:			
Comments : 3.24 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
TypeOfDigits	BIT_5		Type of digits
EncodingScheme	BIT_3		Encoding scheme
Digits	HEX_N		
Detailed Comments :			

Structured Type Definition			
Type Name : Generic_notification_indicator			
Encoding Variation:			
Comments : 3.25 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
NotificationInd	BIT_7		Notification indicator
ExtInd	BIT_1		Extension indicator
Detailed Comments :			

Structured Type Definition			
Type Name : Generic_number			
Encoding Variation:			
Comments : 3.26 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
NumQualifier	BIT_8		Number qualifier
NatureOfAddrInd	BIT_7		Nature of address indicator
Odd_Even	BIT_1		Odd/even indicator
ScreeningInd	BIT_2		Screening indicator
AddrPresentRestInd	BIT_2		Address presentation restriction indicator
NumberingPlanInd	BIT_3		Numbering plan indicator
NIInd	BIT_1		Number incomplete indicator
AddrSignals	HEX_N		
Filler	HEX_1		
Detailed Comments :			

Structured Type Definition			
Type Name : Generic_reference			
Encoding Variation:			
Comments : 3.27 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
GenRef_contents	OCT_N		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	BIT_8		
length	OCT_1		
NatureOfAddrInd	BIT_7		Nature of address indicator
OddEven	BIT_1		Odd/Even indicator
ScreeningInd	BIT_2		Screening indicator
AddrPresentRestInd	BIT_2		Address presentation restricted indicator
NumberingPlanInd	BIT_3		Numbering plan indicator
INNInd	BIT_1		Internal network number indicator
AddrSignals	HEX_N		Address signals
Filler	HEX_1		
Detailed Comments :			

Structured Type Definition			
Type Name : MCID_request_indicators			
Encoding Variation:			
Comments : 3.31 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
MCIDReqInd	BIT_1		MCID request indicator
HoldingInd	BIT_1		Holding indicator
Spare	BIT_6		
Detailed Comments :			

Structured Type Definition			
Type Name : MCID_response_indicators			
Encoding Variation:			
Comments : 3.32 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
MCIDResplnd	BIT_1		MCID response indicator
HoldingProvInd	BIT_1		Holding provided indicator
Spare	BIT_6		
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	BIT_8		
length	OCT_1		
MLPPpre_contents	OCT_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 : Message_compatibility_information			
Encoding Variation:			
Comments : 3.33 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
TransitIntermedExchInd	BIT_1		Transit at intermediate exchange indicator
ReleaseCallInd	BIT_1		Release call indicator
SendNotificationInd	BIT_1		Send notification indicator
DiscardMessageInd	BIT_1		Discard message indicator
PassOnNotPossibleInd	BIT_1		Pass on not possible indicator
Spare1	BIT_2		
ExtInd1	BIT_1		
Spare2	BIT_7		
ExtInd2	BIT_1		
Detailed Comments :			

Structured Type Definition			
Type Name : Nature_of_connection_indicators			
Encoding Variation:			
Comments : 3.35 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
SatelliteInd	BIT_2		Satellite indicator
ContinuityCheckInd	BIT_2		Continuity check indicator
EchoControlDevInd	BIT_1		Echo control device indicator
Spare	BIT_3		
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	BIT_8		
length	OCT_1		
LenOfNetwld	OCT_N		Length of network identification
NetworkIdPlan	BIT_4		Network identification plan
TypeofNetworkId	BIT_3		Type of network identification
One	BIT_1		
NetworkId	OCT_N		Network identification. The first bit in the octet is Spare, meaning no octet should a value higher than 7F.
NetworkSpecificFacility	OCT_N		Network specific facility
Detailed Comments :			

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	BIT_8		
length	OCT_1		
InBandInfoInd	BIT_1		In-band information indicator
CallDiversionMayOccurInd	BIT_1		Call diversion may occur indicator
SimpleSegmentationInd	BIT_1		Simple segmentation indicator
Reserved	BIT_3		
TimeSupervBeforeAnsInd	BIT_1		Time supervision before answer indicator
LastPartyRelInd	BIT_1		Last party release 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	BIT_8		
length	OCT_1		
CUGCallInd	BIT_2		Closed user group call indicator
SimpleSegmentationInd	BIT_1		Simple segmentation indicator
Spare	BIT_4		
ConnLineReqInd	BIT_1		Connected line identity request 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	BIT_8		
length	OCT_1		
NatureOfAddrInd	BIT_7		Nature of address indicator
OddEven	BIT_1		Odd/even indicator
Spare_1	BIT_2		
AddrPresentRestInd	BIT_2		Address presentation restricted indicator
NumberingPlanInd	BIT_3		Numbering plan indicator
Spare_2	BIT_1		
AddrSignals	HEX_N		Address signals
Filler	HEX_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	BIT_8		
length	OCT_1		
OriISC_contents	OCT_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	BIT_8		
length	OCT_1		
FirstUpgradParam	BIT_8		Upgraded parameter name
InstructIndFirst	BIT_7		all instruction indicators for parameter 1
ExtInd1	BIT_1		Extension indicator
SecondUpgradParam	BIT_8		
InstructIndSecond	BIT_7		all instruction indicators for parameter 2
ExtInd2	BIT_1		
ThirdUpgradParam	BIT_8		
InstructIndThird	BIT_7		all instruction indicators for parameter 3
ExtInd3	BIT_1		
FourthUpgradParam	BIT_8		
InstructIndFourth	BIT_7		all instruction indicators for parameter 4
ExtInd4	BIT_1		
FifthUpgradParam	BIT_8		
InstructIndFifth	BIT_7		all instruction indicators for parameter 5

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Structured Type Definition			
Element Name	Type Definition	Field Encoding	Comments
ExtInd5	BIT_1		
Detailed Comments : Simplified InstructInd used. This "octet" can be followed by more optional octets.			

Structured Type Definition			
Type Name : Propagation_delay_counter			
Encoding Variation:			
Comments : 3.42 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
PropagationDelayValue	OCT_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	BIT_8		
length	OCT_1		
NatureOfAddrInd	BIT_7		Nature of address indicator
OddEven	BIT_1		Odd/even indicator
ScreeningInd	BIT_2		Spare
AddrPresentRestInd	BIT_2		Address presentation restricted indicator
NumberingPlanInd	BIT_3		Numbering plan indicator
Spare	BIT_1		
AddrSignals	HEX_N		Address signals
Filler	HEX_1		
Detailed Comments :			

Structured Type Definition			
Type Name : Redirection_information			
Encoding Variation:			
Comments : 3.45 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
RedirectionInd	BIT_3		Redirecting indicator
Spare1	BIT_1		
OriginalRedirectionReason	BIT_4		Original redirection reason
RedirectionCounter	BIT_3		Redirection counter
Spare2	BIT_1		
RedirectingReason	BIT_4		Redirecting reason
Detailed Comments :			

Structured Type Definition			
Type Name : Redirection_number			
Encoding Variation:			
Comments : 3.46 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
NatureOfAddrInd	BIT_7		Nature of address indicator
OddEven	BIT_1		Odd/even indicator
Spare	BIT_4		
NumberingPlanInd	BIT_3		Numbering plan indicator
INNInd	BIT_1		Internal network number indicator
AddrSignals	HEX_N		
Filler	HEX_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	BIT_8		Presentation restricted indicator
length	OCT_1		
PresRestInd	BIT_2		
Spare	BIT_6		
Detailed Comments :			

Structured Type Definition			
Type Name : Remote_operations			
Encoding Variation:			
Comments : 3.48 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		1.
length	OCT_1		
RemOp_contents	OCT_N		
Detailed Comments :			
1. The contents of this parameter are not subdivided because it is for national use only.			

Structured Type Definition			
Type Name : Service_activation			
Encoding Variation:			
Comments : 3.49 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
ServAct_contents	OCT_N		1.
Detailed Comments :			
1. The contents of this parameter are not subdivided because it is for national use only.			

Structured Type Definition			
Type Name : Signalling_point_code			
Encoding Variation:			
Comments : 3.50 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
SPC_contents	OCT_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 : Transit_network_selection			
Encoding Variation:			
Comments : 3.53 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
NetIdPlan	BIT_4		Network identification plan
TypeOfNetId	BIT_3		Type of network identification plan
OddEvenInd	BIT_1		
NetId	OCT_N		Network identification
Detailed Comments :			

Structured Type Definition			
Type Name : Transmission_medium_requirement			
Encoding Variation:			
Comments : 3.55 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
TMR_field	BIT_8		Transmission medium requirement
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	BIT_8		Transmission medium requirement prime
length	OCT_1		
TMRp_field	BIT_8		
Detailed Comments :			

Structured Type Definition			
Type Name : Transmission_medium_used			
Encoding Variation:			
Comments : 3.56 / Q.763			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		Transmission medium used
length	OCT_1		
TMU_field	BIT_8		
Detailed Comments :			

Structured Type Definition			
Type Name : Unknown_parameter			
Encoding Variation:			
Comments :			
Element Name	Type Definition	Field Encoding	Comments
parameter_type	BIT_8		
length	OCT_1		
unkn_par_contents	OCT_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
parameter_type	BIT_8		
length	OCT_1		
InfTrC	BIT_5		Information transfer capability
CodS	BIT_2		Coding standard
Extl_1	BIT_1		Extension indicator
InfTR	BIT_5		Information transfer rate
TrMod	BIT_2		Transfer mode
Extl_2	BIT_1		Extension indicator
RatMul	BIT_7		Rate multiplier
Extl_3	BIT_1		Extension indicator
UInf1	BIT_5		User information layer 1 protocol
Lay1	BIT_2		Layer identification
Extl_4	BIT_1		Extension indicator
UsrRate	BIT_5		User rate
Negot	BIT_1		Negotiation
SynAsyn	BIT_1		Synchronous/Asynchronous
Extl_5	BIT_1		Extension indicator
Spare_1	BIT_1		
FICtrRx	BIT_1		Flow control on Rx
FICtrTx	BIT_1		Flow control on Tx

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Structured Type Definition			
Element Name	Type Definition	Field Encoding	Comments
NICRx	BIT_1		Network independent clock on TX
NICTx	BIT_1		network independent clock on Rx
IntRate	BIT_2		Intermediate rate
Extl_6	BIT_1		Extension indicator
Spare_2	BIT_1		
InBndNeg	BIT_1		In-band/out-band negotiation
Ass	BIT_1		Assignor/assignee
LLINeg	BIT_1		Logical link identifier negotiation
Mode	BIT_1		Mode of operation
MultFr	BIT_1		Multiple frame establishment support in data link
Hdr	BIT_1		Rate adaption header/no header
Extl_7	BIT_1		Extension indicator
Prty	BIT_3		Parity information
NDatBit	BIT_2		Number of data bits excluding parity bit if present
NStpBit	BIT_2		Number of Stop bits
Extl_8	BIT_1		Extension indicator
MdmTyp	BIT_6		Modem type
DupMod	BIT_1		Mode duplex
Extl_9	BIT_1		Extension indicator
UInf2	BIT_5		User information layer 2 protocol
Lay2	BIT_2		Layer identification

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Structured Type Definition			
Element Name	Type Definition	Field Encoding	Comments
Extl_10	BIT_1		Extension indicator
UInf3	BIT_5		User information layer 3 protocol
Lay3	BIT_2		Layer identification
Extl_11	BIT_1		Extension indicator
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	BIT_8		
length	OCT_1		
InfTrC	BIT_5		Information transfer capability
CodS	BIT_2		Coding standard
Extl_1	BIT_1		Extension indicator
InfTR	BIT_5		Information transfer rate
TrMod	BIT_2		Transfer mode
Extl_2	BIT_1		Extension indicator
RatMul	BIT_7		Rate multiplier
Extl_3	BIT_1		Extension indicator
UInf1	BIT_5		User information layer 1 protocol
Lay1	BIT_2		Layer identification
Extl_4	BIT_1		Extension indicator
UsrRate	BIT_5		User rate
Negot	BIT_1		Negotiation
SynAsyn	BIT_1		Synchronous/Asynchronous
Extl_5	BIT_1		Extension indicator
Spare_1	BIT_1		
FIContrx	BIT_1		Flow control on Rx
FIContrx	BIT_1		Flow control on Tx

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Structured Type Definition			
Element Name	Type Definition	Field Encoding	Comments
NICRx	BIT_1		Network independent clock on TX
NICTx	BIT_1		network independent clock on Rx
IntRate	BIT_2		Intermediate rate
Extl_6	BIT_1		Extension indicator
Spare_2	BIT_1		
InBndNeg	BIT_1		In-band/out-band negotiation
Ass	BIT_1		Assignor/assignee
LLINeg	BIT_1		Logical link identifier negotiation
Mode	BIT_1		Mode of operation
MultFr	BIT_1		Multiple frame establishment support in data link
Hdr	BIT_1		Rate adaption header/no header
Extl_7	BIT_1		Extension indicator
Prty	BIT_3		Parity information
NDatBit	BIT_2		Number of data bits excluding parity bit if present
NStpBit	BIT_2		Number of Stop bits
Extl_8	BIT_1		Extension indicator
MdmTyp	BIT_6		Modem type
DupMod	BIT_1		Mode duplex
Extl_9	BIT_1		Extension indicator
UInf2	BIT_5		User information layer 2 protocol
Lay2	BIT_2		Layer identification

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Structured Type Definition			
Element Name	Type Definition	Field Encoding	Comments
Extl_10	BIT_1		Extension indicator
UInf3	BIT_5		User information layer 3 protocol
Lay3	BIT_2		Layer identification
Extl_11	BIT_1		Extension indicator
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	BIT_8		
length	OCT_1		
Pres	BIT_2		Presentation
Interpr	BIT_3		Interpretation
CodS	BIT_2		Coding standard
Extl_1	BIT_1		Extention indicator
HLChrInf	BIT_7		High layer characteristics informations
Extl_2	BIT_1		
ExHLChrInf	BIT_7		Extended high layer characteristics informations
Extl_3	BIT_1		
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	BIT_8		
length	OCT_1		
Type	BIT_1		
Service1	BIT_2		Service 1
Service2	BIT_2		Service 2
Service3	BIT_2		Service 3
NetworkDiscardInd	BIT_1		Network discard indicator (Spare if Type = request)
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	BIT_8		
length	OCT_1		
UserInfo	OCT_N		User to user information
Detailed Comments :			

Structured Type Definition			
Type Name : BCAP (BEARER CAPABILITY IE)			
Encoding Variation:			
Comments : Info Element Bearer CAPability ETS 300 102-1 subclause 4.5.5			
Element Name	Type Definition	Field Encoding	Comments
bcap_i	BITSTRING		Identifier
bcap_l	OCTETSTRING[1]		Length
bcap_con	OCTETSTRING[0..11]		Contents of the bearer capability information element
Detailed Comments : &COMMON_N10			

Structured Type Definition			
Type Name : CAU (CAUSE IE)			
Encoding Variation:			
Comments : Info Element CAUse ETS 300 102-1 subclause 4.5.12			
Element Name	Type Definition	Field Encoding	Comments
cau_i	BITSTRING [8]		Identifier
cau_l	BITSTRING [8]		Length
cau_e3_loc	BITSTRING [8]		Location
cau_e4_rec	BITSTRING [8]		Recommendation
cau_e5_cv1	BITSTRING [1]		Extension bit
cau_e5_cv2	BITSTRING [7]		Cause value
cau_di	OCTETSTRING [1 TO 28]		Diagnostics
Detailed Comments : &COMMON_N10			

Structured Type Definition			
Type Name : CAU_1 (CAUSE IE)			
Encoding Variation:			
Comments : Info Element CAUse ETS 300 102-1 clause 4.5.12			
Element Name	Type Definition	Field Encoding	Comments
cau_i	BITSTRING[8]		Identifier
cau_l	BITSTRING [8]		Length
cau_e3_loc	BITSTRING [8]		Location
cau_e4_cv	CAU_E4_CV		Cause Value OCTETSTRING[1]
cau_di	OCTETSTRING [1 TO 28]		Diagnostics
Detailed Comments : &COMMON_N09			

Structured Type Definition			
Type Name : CAU_E4_CV			
Encoding Variation:			
Comments : Info Element CAUse Octet 4			
Element Name	Type Definition	Field Encoding	Comments
cau_e4_cv1	BITSTRING [1]		Extension bit
cau_e4_cv2	BITSTRING [7]		Cause value
Detailed Comments : &COMMON_N09			

Structured Type Definition			
Type Name : CDPN (CALLED PARTY NUMBER IE)			
Encoding Variation:			
Comments : Info Element Called Party Number ETS 300 102-1 subclause 4.5.8			
Element Name	Type Definition	Field Encoding	Comments
cdpn_i	BITSTRING [8]		Identifier
cdpn_l	OCTETSTRING [1]		Length
cdpn_e3_npi	OCTETSTRING [1]		Type of number/Numbering plan identifier
cdpn_e4_nd	OCTETSTRING [1 TO 20]		Number digits
Detailed Comments : &COMMON_N10			

Structured Type Definition			
Type Name : CDPS (CALLED PARTY SUBADDRESS IE)			
Encoding Variation:			
Comments : Info Element Called Party Subaddress ETS 300 102-1 clause 4.5.9			
Element Name	Type Definition	Field Encoding	Comments
cdps_i	BITSTRING [8]		Identifier
cdps_l	OCTETSTRING [1]		Length
cdps_e3_tos	BITSTRING [8]		Type of subaddress
cdps_e4_si	OCTETSTRING [1 TO 20]		Subaddress information
Detailed Comments : &COMMON_N09			

Structured Type Definition			
Type Name : CGPN (CALLING PARTY NUMBER IE)			
Encoding Variation:			
Comments : Info Element CallinG Party Number ETS 300 102-1 subclause 4.5.10			
Element Name	Type Definition	Field Encoding	Comments
cgpn_i	BITSTRING [8]		Identifier
cgpn_l	OCTETSTRING [1]		Length
cgpn_e3_ton	BITSTRING [4]		Type of number
cgpn_e3_npi	BITSTRING [4]		Numbering plan identifier
cgpn_e4_pi	BITSTRING [3]		Presentation indicator
cgpn_e4_si	BITSTRING [5]		Screening indicator
cgpn_e5_nd	HEXSTRING		Number digits
Detailed Comments : &COMMON_N10			

Structured Type Definition			
Type Name : CGPS (CALLING PARTY SUBADDRESS IE)			
Encoding Variation:			
Comments : Info Element CallinG Party Subaddress ETS 300 102-1 subclause 4.5.11			
Element Name	Type Definition	Field Encoding	Comments
cgps_i	BITSTRING [8]		Identifier
cgps_l	BITSTRING [8]		Length
cgps_e3_tos	BITSTRING [4]		Type of subaddress
cgps_e3_oei	BITSTRING [1]		Odd/even indicator
cgps_e3_sp	BITSTRING [3]		Spare
cgps_e4_si	OCTETSTRING [1 TO 20]		Subaddress information
Detailed Comments : &COMMON_N10			

Structured Type Definition			
Type Name : CODN (CONNECTED NUMBER IE)			
Encoding Variation:			
Comments : Info Element COnnectedD Number ETS 300 97-1 subclause 7.1			
Element Name	Type Definition	Field Encoding	Comments
codn_i	BITSTRING [8]		Identifier
codn_l	OCTETSTRING [1]		Length
codn_e3_ton	BITSTRING [4]		Type of number
codn_e3_npi	BITSTRING [4]		Numbering plan identifier
codn_e4_pi	BITSTRING [3]		Presentation indicator
codn_e4_si	BITSTRING [5]		Screening indicator
codn_e5_nd	HEXSTRING		Number digits
Detailed Comments : &COMMON_N10			

Structured Type Definition			
Type Name : CODS (CONNECTED SUBADDRESS IE)			
Encoding Variation:			
Comments : Info Element COnnected Subaddress ETS 300 97-1 subclause 7.2			
Element Name	Type Definition	Field Encoding	Comments
cods_i	BITSTRING [8]		Identifier
cods_l	OCTETSTRING [1]		Length
cods_e3_tos	BITSTRING [4]		Type of subaddress
cods_e3_oei	BITSTRING [1]		Odd/even indicator
cods_e3_sp	BITSTRING [3]		Spare
cods_e4_si	OCTETSTRING [1 TO 20]		Subaddress information
Detailed Comments : &COMMON_N10			

Structured Type Definition			
Type Name : CR (CALL REFERENCE)			
Encoding Variation:			
Comments : Call Reference ETS 300 102-1 subclause 4.3			
Element Name	Type Definition	Field Encoding	Comments
cr_l	BITSTRING [8]		Length
cr_f	BITSTRING [1]		Flag
cr_r	BIT7OR15		Call reference value
Detailed Comments : &COMMON_N10 The call reference is of type BITSTRING[7] for basic access and of type BITSTRING[15] for primary rate access.			

Structured Type Definition			
Type Name : DATI (DATE/TIME IE)			
Encoding Variation:			
Comments : Info Element DAte/Tlme ETS 300 102-1 clause 4.6.1			
Element Name	Type Definition	Field Encoding	Comments
dati_i	BITSTRING [8]		Identifier
dati_l	BITSTRING [8]		Length
dati_dt	OCTETSTRING [0 TO 5]		Date/time value
Detailed Comments : &COMMON_N09			

Structured Type Definition			
Type Name : HLC (HIGH LAYER COMPATIBILITY IE)			
Encoding Variation:			
Comments : Info Element High Layer Compatibility ETS 300 102-1 subclause 4.5.16			
Element Name	Type Definition	Field Encoding	Comments
hlc_i	BITSTRING [8]		Identifier
hlc_l	OCTETSTRING[1]		Length
hlc_con	OCTETSTRING[0..3]		Contents of the high layer compatibility information element
Detailed Comments : &COMMON_N10			

Structured Type Definition			
Type Name : KPF (KEYPAD FACILITY IE)			
Encoding Variation:			
Comments : Info Element KeyPad Facility ETS 300 102-1 subclause 4.5.17			
Element Name	Type Definition	Field Encoding	Comments
kpf_i	BITSTRING [8]		Identifier
kpf_l	BITSTRING [8]		Length
kpf_ki	OCTETSTRING [0 TO 32]		Keypad information
Detailed Comments : &COMMON_N10			

Structured Type Definition			
Type Name : LLC (LOW LAYER COMPATIBILITY IE)			
Encoding Variation:			
Comments : Info Element Low Layer Compatibility ETS 300 102-1 subclause 4.5.18			
Element Name	Type Definition	Field Encoding	Comments
llc_i	BITSTRING [8]		Identifier
llc_l	OCTETSTRING[1]		Length
llc_con	OCTETSTRING[0..14]		Contents of the low layer compatibility information element
Detailed Comments : &COMMON_N10			

Structured Type Definition			
Type Name : NOID (NOTIFICATION INDICATOR IE)			
Encoding Variation:			
Comments : Info Element NOTification InDicator ETS 300 102-1 subclause 4.5.21			
Element Name	Type Definition	Field Encoding	Comments
noid_i	BITSTRING [8]		Identifier
noid_l	BITSTRING [8]		Length
noid_e3_nd	OCTETSTRING [1]		Notification description
Detailed Comments : &COMMON_N10			

Structured Type Definition			
Type Name : NSF (NETWORK-SPECIFIC FACILITIES IE)			
Encoding Variation:			
Comments : Info Element Network-Specific Facilities ETS 300 102-1 clause 4.5.20			
Element Name	Type Definition	Field Encoding	Comments
nsf_i	BITSTRING [8]		Identifier
nsf_l	BITSTRING [8]		Length
nsf_lni	BITSTRING [8]		Length of network identification
nsf_toni	BITSTRING [4]		Type of network identification
nsf_nip	BITSTRING [4]		Network identification plan
nsf_ni	OCTETSTRING		Network identification
nsf_nsfs	OCTETSTRING		Network-specific facility specification
Detailed Comments : &COMMON_N09			

Structured Type Definition			
Type Name : PI (PROGRESS INDICATOR IE)			
Encoding Variation:			
Comments : Info Element Progress Indicator ETS 300 102-1 subclause 4.5.22			
Element Name	Type Definition	Field Encoding	Comments
pi_i	BITSTRING [8]		Identifier
pi_l	BITSTRING [8]		Length
pi_e3_loc	BITSTRING [8]		Location
pi_e4_pd	BITSTRING [8]		Progress description
Detailed Comments : &COMMON_N10			

Structured Type Definition			
Type Name : RNGN (REDIRECTING NUMBER IE)			
Encoding Variation:			
Comments : Info Element RedirectiNG Number ETS 300 207 subclause 7.2.2			
Element Name	Type Definition	Field Encoding	Comments
rngn_i	BITSTRING [8]		Identifier
rngn_l	OCTETSTRING [1]		Length
rngn_e3_ton	BITSTRING [4]		Type of number
rngn_e3_npi	BITSTRING [4]		Numbering plan identifier
rngn_e4_pi	BITSTRING [3]		Presentation indicator
rngn_e4_sp	BITSTRING [5]		Spare
rngn_e5_sp	BITSTRING [4]		Spare
rngn_e5_rfd	BITSTRING [4]		Reason for diversion
rngn_e6_nd	OCTETSTRING [1 TO 20]		Number digits
Detailed Comments : &COMMON_N10			

Structured Type Definition			
Type Name : RONN (REDIRECTION NUMBER IE)			
Encoding Variation:			
Comments : Info Element Redirection Number ETS 300 207-1 subclause 7.2.3			
Element Name	Type Definition	Field Encoding	Comments
ronn_i	BITSTRING [8]		Identifier
ronn_l	OCTETSTRING [1]		Length
ronn_e3_ton	BITSTRING [4]		Type of number
ronn_e3_npi	BITSTRING [4]		Numbering plan identifier
ronn_e4_pi	BITSTRING [3]		Presentation indicator
ronn_e4_sp	BITSTRING [5]		Spare
ronn_e5_nd	HEX_N		Number digits
Detailed Comments : &COMMON_N10			

Structured Type Definition			
Type Name : TNS (TRANSIT NETWORK SELECTION IE)			
Encoding Variation:			
Comments : Info Element Transit Network Selection ETS 300 102-1 subclause 4.5.28			
Element Name	Type Definition	Field Encoding	Comments
tns_i	BITSTRING [8]		Identifier
tns_l	BITSTRING [8]		Length
tns_toni	BITSTRING [4]		Type of network identification
tns_nip	BITSTRING [4]		Network identification plan
tns_ni	OCTETSTRING [0 TO 251]		Network identification
Detailed Comments : &COMMON_N10			

Structured Type Definition			
Type Name : UUI (USER USER INFORMATION IE)			
Encoding Variation:			
Comments : Info Element User–User ETS 300 102–1 subclause 4.5.29			
Element Name	Type Definition	Field Encoding	Comments
uui_i	BITSTRING [8]		Identifier
uui_l	BITSTRING [8]		Length
uui_pd	BITSTRING [8]		Protocol discriminator
uui_uic	OCTETSTRING [0 TO 128]		User information
Detailed Comments : &COMMON_N10			

Structured Type Definition			
Type Name : VPNI (VIRTUAL PRIVATE NETWORK IE)			
Encoding Variation:			
Comments :			
Element Name	Type Definition	Field Encoding	Comments
vpni_i	BITSTRING [8]		Identifier
vpni_l	OCTETSTRING [1]		Length
vpni_cnind	BITSTRING [3]		CN indicator
vpni_cnid	HEXSTRING		CN identifier
Detailed Comments : &COMMON_N10			

Structured Type Definition			
Type Name : information_type			
Encoding Variation:			
Comments :			
Element Name	Type Definition	Field Encoding	Comments
information	HEX_N		
Detailed Comments :			

Structured Type Definition			
Type Name : cic_type			
Encoding Variation:			
Comments :			
Element Name	Type Definition	Field Encoding	Comments
CIC	circuitIC_type		
Detailed Comments :			

Structured Type Definition			
Type Name : DSP (DISPLAY IE)			
Encoding Variation:			
Comments : Info Element DiSPlay ETS 300 102-1 subclause 4.5.15			
Element Name	Type Definition	Field Encoding	Comments
dsp_i	BITSTRING [8]		Identifier
dsp_l	BITSTRING [8]		Length
dsp_di	OCTETSTRING [0 TO 32]		Display information
Detailed Comments : &COMMON_N10			

ASN.1 Type Definition	
Type Name	: BIT7OR15
Encoding Variation:	
Comments	: A BIT STRING type being of length 7 or 15 used to store the call reference value.
Type Definition	
BIT STRING (SIZE(7..15))	
Detailed Comments : &COMMON_N10	

ASN.1 Type Definition	
Type Name	: BIT7OR8
Encoding Variation:	
Comments	: A BIT STRING of size 7 or 8 used for test case variables.
Type Definition	
BIT STRING(SIZE(7..8))	
Detailed Comments :	

ASN.1 Type Definition	
Type Name	: SIO
Encoding Variation:	
Comments	: Service Information Octet
Type Definition	
OCTET STRING(SIZE(1))	
Detailed Comments :	

Test Suite Operation Definition	
Operation Name :	TSO_CALC_NUM_LENGTH (NUM: HEX_N)
Result Type :	OCTETSTRING
Comments :	This operation is used to calculate the length of a Subscriber Number parameter
Description	
The return value represents the length of the Subscriber Number parameter (LENGTH(NUM)).	
Detailed Comments :	

Test Suite Operation Definition	
Operation Name :	TSO_CALC_PAR_LENGTH
Result Type :	OCT_1
Comments :	This operation is used to calculate the length of an optional parameter
Description	
The return value represents the length of the optional parameter.	
Detailed Comments :	

Test Suite Operation Definition	
Operation Name	: TSO_CALC_VAR_LENGTH
Result Type	: OCT_1
Comments	: This operation is used to calculate the length of an variable parameter
Description	
The return value represents the length of the variable parameter.	
Detailed Comments :	

Test Suite Operation Definition	
Operation Name	: TSO_COMPLEMENT_F(FLAG:INTEGER)
Result Type	: INTEGER
Comments	:
Description	
<pre> { if(FLAG) return 0; /*when FLAG:=1 then reurn its comlement : 0 else return 1; /*otherwise return its complement : 1 } </pre>	
Detailed Comments :	

Test Suite Operation Definition	
Operation Name :	TSO_COMPUTE_OPT_PTR
Result Type :	OCT_1
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 Operation Definition	
Operation Name :	TSO_CONCAT (STR1, STR2 : BITSTRING)
Result Type :	BITSTRING
Comments :	
Description	
<pre>{ return INT_TO_BIT((BIT_TO_INT(STR1)*(2 EXPONENT length(STR2))) + BIT_TO_INT(STR2)) }</pre>	
Detailed Comments :	

Test Suite Operation Definition	
Operation Name :	TSO_CONCAT_OCT (STR1, STR2 : BITSTRING)
Result Type :	OCTETSTRING
Comments :	
Description	
<pre>{ return INT_TO_BIT((BIT_TO_INT(STR1)*(2 EXPONENT length(STR2))) + BIT_TO_INT(STR2)) }</pre>	
Detailed Comments :	

Test Suite Operation Definition	
Operation Name :	TSO_SUBSTR (STR: data_type; INDEX:INTEGER; LENGTH:INTEGER)
Result Type :	HEX_N
Comments :	
Description	
<pre>{ return a portion of STR starting at INDEX of LENGTH octets }</pre>	
Detailed Comments :	

Test Suite Operation Definition	
Operation Name : TSO_HEX_TO_OCTET(NUM: HEX_N)	
Result Type : OCTETSTRING	
Comments :	
Description	
{ return HEX_TO_OCT(NUM) }	
Detailed Comments :	

Test Suite Parameter Declarations			
Parameter Name	Type	PICS/PIXIT Ref	Comments
TSP_GMSC	BOOLEAN	PICS A.1/1	GMSC–Gateway mobile switching center
TSP_GHLR	BOOLEAN	PICS A.1/2	GHLR–Gateway fixed exchange with HLR connection
TSP_NIGMSC	BOOLEAN	PICS A.1/3	NIGMSC–National/ International Gateway MSC
TSP_OLE	BOOLEAN	PICS	OLE–Originating local exchange
TSP_NTE	BOOLEAN	PICS	NTE–National transit exchange
TSP_OUTIE	BOOLEAN	PICS	OutIE–Outgoing international exchange
TSP_INClE	BOOLEAN	PICS	InclE–Incoming international exchange
TSP_ITE	BOOLEAN	PICS	ITE–International transit exchange
TSP_DLE	BOOLEAN	PICS	DLE–Destination local exchange
TSP_SPA_R	BIT_14	PIXIT Table B.1/1	SS No. 7 Signalling point code of the SUT on the AB interface (right side)
TSP_SPB	BIT_14	PIXIT Table B.1/2	SS No. 7 Signalling point code of the tester on the AB interface (right side)
TSP_NI_R	BIT_2	PIXIT Table B.1/3	SS No. 7 Network indicator on the AB interface
TSP_SLS_R	INTEGER	PIXIT Table B.1/4	SS No. 7 Signalling link selection on the AB interface

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Test Suite Parameter Declarations			
Parameter Name	Type	PICS/PIXIT Ref	Comments
TSP_CIC_R	BIT_12	PIXIT Table B.1/5	SS No. 7 Circuit identification code on the AB interface
TSP_NB_CICS	BIT_12	PIXIT Table B.1/6	Number of SS No. 7 Circuit identification codes on the AB and AC interfaces
TSP_SPA_L	BIT_14	PIXIT Table B.1/7	SS No. 7 Signalling point code of the SUT on the AC interface (left side)
TSP_SPC	BIT_14	PIXIT Table B.1/8	SS No. 7 Signalling point code of the tester on the AC interface (left side)
TSP_NI_L	BIT_2	PIXIT Table B.1/9	SS No. 7 Network indicator on the AC interface
TSP_SLS_L	INTEGER	PIXIT Table B.1/10	SS No. 7 Signalling link selection on the AC interface
TSP_CIC_L	BIT_12	PIXIT Table B.1/11	SS No. 7 Circuit identification code on the AC interface
TSP_Link_R	BIT_12	PIXIT Table B.1/12	CIC for the signalling link on the AB interface
TSP_Link_L	BIT_12	PIXIT Table B.1/13	CIC for the signalling link on the AC interface
TSP_NB_A	HEX_N	PIXIT Table B.2/1	Subscriber number located at SPA
TSP_NB_B	HEX_N	PIXIT Table B.2/2	Subscriber number located at SPB

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Test Suite Parameter Declarations			
Parameter Name	Type	PICS/PIXIT Ref	Comments
TSP_MSRN	HEX_N	PIXIT Table B.2/3	Mobile subscriber roaming number
TSP_ISDN	HEX_N	PIXIT Table B.2/4	ISDN subscriber number
TSP_T7	INTEGER	PIXIT Table B.3/1	Wait for event timer (20–30s)
TSP_TearlyACM	INTEGER	PIXIT Table B.3/2	Early ACM (5–20s)
TSP_A_STEP	INTEGER	PIXIT Table B.3/3	Test step execution control timer
TSP_B_STEP	INTEGER	PIXIT Table B.3/4	Test step execution control timer
TSP_T_WAIT	INTEGER	PIXIT Table B.3/5	Local timer
Detailed Comments : @: National use			

Test Case Selection Expression Definitions		
Expression Name	Selection Expression	Comments
GMSC	TSP_GMSC	
GHLR	TSP_GHLR	
NatIntGMSC	TSP_NIGMSC	
DLE	TSP_DLE	
OLE	TSP_OLE	
InclE	TSP_INCIE	
OutIE	TSP_OUTIE	
Transit	TSP_NTE OR TSP_ITE	
Detailed Comments :		

Test Suite Constant Declarations			
Constant Name	Type	Value	Comments
TSC_CDIV_ORIGINAL_CALLED_NUMBER_INTERNATIONAL_FOR_EIGN_CC	HEX_N	'9111555555'H	CallDiversion originally called number with area code '11' and exchange code '555' and foreign CC ='91'
TSC_CDIV_ORIGINAL_CALLED_NUMBER_INTERNATIONAL_OW_N_CC	HEX_N	'3111555555'H	CallDiversion originally called number with area code '11' and exchange code '555' and own CC ='31'
TSC_CDIV_ORIGINAL_CALLED_NUMBER_INTERNATIONAL_WIT_H_PREFIX	HEX_N	'009111555555'H	CallDiversion originally called number with area code '11' and exchange code '555' and with prefix
TSC_CDIV_ORIGINAL_CALLED_NUMBER_NATIONAL	HEX_N	'11555555'H	CallDiversion originally called number with area code '11' and exchange code '555'
TSC_CDIV_REDIRECTING_NUMBER_INTERNATIONAL_FOREIG_N_CC	HEX_N	'9111555666'H	CallDiversion redirecting number with area code '11' and exchange code '555', FOREIGN COUNTRY CODE 91.
TSC_CDIV_REDIRECTING_NUMBER_INTERNATIONAL_OW_N_C C	HEX_N	'3111555666'H	CallDiversion redirecting number with area code '11' and exchange code '555', OWN COUNTRY CODE 31
TSC_CDIV_REDIRECTING_NUMBER_NATIONAL	HEX_N	'11555666'H	CallDiversion redirecting number with area code '11' and exchange code '555'
TSC_CGPN_A_INTERNATIONAL	HEX_N	'10123456'H	National Calling party number

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Test Suite Constant Declarations			
Constant Name	Type	Value	Comments
TSC_CPN_INCO_B	HEXSTRING	'001501123456'H	Called Party Number sendt to the incoming side Route
TSC_CPN_OUTG	HEXSTRING	'123456'H	Called Party Number received on the outgoing side Route
TSC_CGPN_A	HEX_N	'001400123456'H	Subscriber number for which the call will be routed to signalling point A (SP A) PIXIT Table B.2/2
TSC_CGPN_A_OWN_COUNTRY_CODE_WITHOUT_PREFIX	HEX_N	'3110123456'H	Calling party number with own country code without prefix
TSC_CON_B_INTERNATIONAL	HEX_N	'10654321'H	International Connected Number
TSC_CON_B_NATIONAL	HEX_N	'10654321'H	National Connected Number
TSC_CT_NUMBER_B	HEXSTRING	'10112233'H	CallTransfer Number sent from B
TSC_EOP	OCT_1	'00'O	End of optional parameters
TSC_INTERNATIONAL_CT_NUMBER_B	HEXSTRING	'3110112233'H	International CallTransfer Number sent from B
TSC_RedirectingNumberForeignC C_prefix	HEX_N	'00611234567890'H	NOTE: Number is not correct!! This redirecting number should be equal to TSC_RedirectingNumberForeignC C which goes trough the exchange and acquires a prefix.
TSC_CCBSParam	Parameter_type	'01001011'B	CCBS parameter
TSC_MCIDReqInd	Parameter_type	'00111011'B	mcid request indicator
TSC_MCIDResplnd	Parameter_type	'00111100'B	mcid response indicator
TSC_accessDeliveryInfo	Parameter_type	'00101110'B	access delivery information

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Test Suite Constant Declarations			
Constant Name	Type	Value	Comments
TSC_accessTransport	Parameter_type	'0000011'B	access transport
TSC_applTransport	Parameter_type	'01111000'B	Application transport
TSC_autCongLevel	Parameter_type	'00100111'B	automatic congestion level
TSC_backwardCallInd	Parameter_type	'00010001'B	backward call indicators
TSC_backwardGVNS	Parameter_type	'01001101'B	backward GVNS
TSC_callDiversionInfo	Parameter_type	'00110110'B	call diversion information
TSC_callHistoryInfo	Parameter_type	'00101101'B	call history information
TSC_callReference	Parameter_type	'00000001'B	call reference
TSC_callTransferNumber	Parameter_type	'01000101'B	call transfer number
TSC_callTransferTreatmentInd	Parameter_type	'01101110'B	call transfer treatment indicators
TSC_callingPartyNum	Parameter_type	'00001010'B	calling party number
TSC_causeInd	Parameter_type	'00010010'B	causeInd
TSC_conferenceTreatmentInd	Parameter_type	'01110000'B	conference treatment indicators
TSC_connectedNum	Parameter_type	'00100001'B	connected number
TSC_echoControlInfo	Parameter_type	'00110111'B	echo control information
TSC_freePhoneInd	Parameter_type	'01000001'B	freephone indicators
TSC_genericNotificationInd	Parameter_type	'00101100'B	generic notification
TSC_genericNum	Parameter_type	'11000000'B	generic number
TSC_messageCompatInfo	Parameter_type	'00111000'B	message compatibility information
TSC_netwSpecificFacility	Parameter_type	'00101111'B	network specific facility
TSC_optBackwardCallInd	Parameter_type	'00101001'B	optional backward call indicators
TSC_optForwardCallInd	Parameter_type	'00001000'B	optional forward call indicators
TSC_originalCalledNum	Parameter_type	'00101000'B	original called number

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Test Suite Constant Declarations			
Constant Name	Type	Value	Comments
TSC_parameterCompatInfo	Parameter_type	'00111001'B	parameter compatibility information
TSC_propDelayCounter	Parameter_type	'00110001'B	propagation delay counter
TSC_redirectNumRestriction	Parameter_type	'01000000'B	redirection number restriction
TSC_redirectingNum	Parameter_type	'00001011'B	redirecting number
TSC_redirectionInfo	Parameter_type	'00010011'B	redirection information
TSC_redirectionNum	Parameter_type	'00001100'B	redirection number
TSC_remoteOperations	Parameter_type	'00110010'B	remote operations
TSC_routeIdentity	Parameter_type	'11111100'B	route identity
TSC_serviceActivation	Parameter_type	'00110011'B	service activation
TSC_transMediumUsed	Parameter_type	'00110101'B	transmission medium used
TSC_transNetSel	Parameter_type	'00100011'B	transit network selection
TSC_userServiceInfo	Parameter_type	'00011101'B	user service information
TSC_userToUserInd	Parameter_type	'00101010'B	user-to-user indicators
TSC_userToUserInfo	Parameter_type	'00100000'B	user-to-user information
TSC_msgACM	BIT_8	'00000110'B	hex: 06
TSC_msgANM	BIT_8	'00001001'B	hex: 09
TSC_msgAPM	BIT_8	'01000001'B	hex: 41
TSC_msgBLA	BIT_8	'00010101'B	hex: 15
TSC_msgBLO	BIT_8	'00010011'B	hex: 13
TSC_msgCCR	BIT_8	'00010001'B	hex: 11
TSC_msgCFN	BIT_8	'00101111'B	hex: 2F
TSC_msgCGB	BIT_8	'00011000'B	hex: 18

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Test Suite Constant Declarations			
Constant Name	Type	Value	Comments
TSC_msgCGBA	BIT_8	'00011010'B	hex: 1A
TSC_msgCGU	BIT_8	'00011001'B	hex: 19
TSC_msgCGUA	BIT_8	'00011011'B	hex: 1B
TSC_msgCON	BIT_8	'00000111'B	hex: 07
TSC_msgCOT	BIT_8	'00000101'B	hex: 05
TSC_msgCPG	BIT_8	'00101100'B	hex: 2C
TSC_msgCQM	BIT_8	'00101010'B	hex: 2A
TSC_msgCQR	BIT_8	'00101011'B	hex: 2B
TSC_msgCRG	BIT_8	'00110001'B	hex: 31
TSC_msgFAA	BIT_8	'00100000'B	hex: 20
TSC_msgFAC	BIT_8	'00110011'B	hex: 33
TSC_msgFAR	BIT_8	'00011111'B	hex: 1F
TSC_msgFOT	BIT_8	'00001000'B	hex: 08
TSC_msgFRJ	BIT_8	'00100001'B	hex: 21
TSC_msgGRA	BIT_8	'00101001'B	hex: 29
TSC_msgGRS	BIT_8	'00010111'B	hex: 17
TSC_msgIAM	BIT_8	'00000001'B	hex: 01
TSC_msgIDR	BIT_8	'00110110'B	hex: 36
TSC_msgINF	BIT_8	'00000100'B	hex: 04
TSC_msgINR	BIT_8	'00000011'B	hex: 03
TSC_msgIRS	BIT_8	'00110111'B	hex: 37
TSC_msgLOP	BIT_8	'01000000'B	hex: 40
TSC_msgNRM	BIT_8	'00110010'B	hex: 32

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Test Suite Constant Declarations			
Constant Name	Type	Value	Comments
TSC_msgOPQ	BIT_8	'11111110'B	hex: FE
TSC_msgOPR	BIT_8	'11111111'B	hex: FF
TSC_msgPRI	BIT_8	'01000010'B	hex: 42
TSC_msgREL	BIT_8	'00001100'B	hex: 0C
TSC_msgRES	BIT_8	'00001110'B	hex: 0E
TSC_msgRLC	BIT_8	'00010000'B	hex: 10
TSC_msgRSC	BIT_8	'00010010'B	hex: 12
TSC_msgSAM	BIT_8	'00000010'B	hex: 02
TSC_msgSCB	BIT_8	'11111001'B	hex: F9
TSC_msgSGM	BIT_8	'00111000'B	hex: 38
TSC_msgSUS	BIT_8	'00001101'B	hex: 0D
TSC_msgUBA	BIT_8	'00010110'B	hex: 16
TSC_msgUBL	BIT_8	'00010100'B	hex: 14
TSC_msgUCIC	BIT_8	'00101110'B	hex: 1E
TSC_msgUPA	BIT_8	'00110101'B	hex: 35
TSC_msgUPT	BIT_8	'00110100'B	hex: 34
TSC_msgUSR	BIT_8	'00101101'B	hex: 2D
TSC_UUI_104	OCTETSTRING	'48616C6C646F722C204E6F726 265727420616E64204D6972636 561207769736820796F75206120 676F6F642074657374696E672E' O	UUIInformation
Detailed Comments :			

Test Suite Variable Declarations			
Variable Name	Type	Value	Comments
TSV_BCHNUM1	BIT7OR8		B-channel for call, BITSTRING[7..8] for TSV_CREF1 (DSS1)
TSV_CREF1	BIT7OR15		Call Ref. value (DSS1)
TSV_CREF2	BIT7OR15		Call Ref. value (DSS1)
TSV_GLOBCREF	BIT7OR15		Call Ref. value (DSS1)
TSV_CRLENGTH	CR_LENGTH_TYPE		Call Reference length value (1..2) (DSS1)
TSV_BASIC	BOOLEAN		TRUE -> basic access FALSE -> primary rate access (DSS1)
TSV_BCAPL	OCTETSTRING		Length of Bearer capability (DSS1)
TSV_BCAPV	OCTETSTRING		Bearer capability value (DSS1)
TSV_HLCL	OCTETSTRING		Length of High layer compatibility (DSS1)
TSV_HLCV	OCTETSTRING		High layer compatibility value (DSS1)
TSV_LLCL	OCTETSTRING		Length of Low layer compatibility (DSS1)
TSV_LLCV	OCTETSTRING		Low layer compatibility value (DSS1)
TSV_CDPNOCTET3	OCTETSTRING		octet 3 of the called party number, type of number and numbering plan identifier (DSS1)
Detailed Comments :			

Test Case Variable Declarations			
Variable Name	Type	Value	Comments
TCV_any_msg	BOOLEAN	TRUE	Used for selecting behaviour in mismatched receiving situations
TCV_cic	BIT_12		received CIC storage
TCV_A_cic	BIT_12	TSP_CIC_L	received CIC storage
TCV_A_cic2	BIT_12	TSP_CIC_L	received CIC storage
TCV_B_cic	BIT_12	TSP_CIC_R	received CIC storage
TCV_A_help	BITSTRING		help variable
TCV_B_help	BITSTRING		help variable
TCV_flag_dss1	INTEGER	0	Controls the call initiation (DSS1)
TCV_flag_dss1_2	INTEGER	0	Controls the call initiation (DSS1)
Detailed Comments :			

PCO Type Declarations		
PCO Type	Role	Comments
ISUP_PCO	LT	Signalling link for A and B subscribers
MAINT_PCO	UT	PCO for main test component
SAP	LT	Service Access Point
Detailed Comments :		

PCO Declarations			
PCO Name	PCO Type	Role	Comments
A_PCO	ISUP_PCO	LT	Signalling link A subscriber
B_PCO	ISUP_PCO	LT	Signalling link B subscriber
M_PCO	MAINT_PCO	UT	PCO for main test component
Detailed Comments :			

Coordination Point Declarations	
CP Name	Comments
A_CP	CP between MTC and A_ISUP_PTC
B_CP	CP between MTC and B_ISUP_PTC
Detailed Comments :	

Timer Declarations			
Timer Name	Duration	Unit	Comments
T2	3	min	waiting for RES (user), Value range: Q.764: 3min, FS: 3min
T7max	31	s	waiting for ACM or CON, Value range: Q.764: 20–30s, FS: 20–30s
T7min	19	s	waiting for ACM or CON, Value range: Q.764: 20–30s, FS: 20–30s
T9max	4	min	waiting for ANM, Value range: FS: 1–4min
T9min	1	min	waiting for ANM, Value range: FS: 1–4min
T_A_STEP	20	s	test step execution control timer
T_B_STEP	20	s	test step execution control timer
T_WAIT	1	s	local timer
Detailed Comments :			

Test Component Declarations				
Component Name	Component Role	Nr PCOs	Nr CPs	Comments
A_ISUP_PTC	PTC	1	1	Paralell test component. Used to observe the IUT on the left side – ISUP
B_ISUP_PTC	PTC	1	1	Paralell test component. USED to observe the IUT on the right side – ISUP
MTC1	MTC	1	2	Master test component.
Detailed Comments :				

Test Components Configuration Declaration			
Configuration Name : MTC_and_two_ISUP_PTCs			
Comments :			
Components Used	PCOs Used	CPs Used	Comments
MTC1	M_PCO	A_CP,B_CP	
A_ISUP_PTC	A_PCO	A_CP	
B_ISUP_PTC	B_PCO	B_CP	
Detailed Comments :			

ASP Type Definition		
ASP Name : M_TRANSFERind(MTP_TRANSFER_Indication) PCO Type : ISUP_PCO Comments : MTP ASP for receiving ISUP messages FS : 2.1 / 61/155 17-CRT 212 31 Uen Rev. A		
Parameter Name	Parameter Type	Comments
sio	SIO	Service information octet
opc	INTEGER	Originating point code (Field of routing label)
dpc	INTEGER	Destination point code (Field of routing label)
sls	INTEGER	Signalling link selection (Field of routing label)
data	PDU	ISUP signalling message
Detailed Comments :		

ASP Type Definition		
ASP Name : M_TRANSFERreq(MTP_TRANSFER_Request) PCO Type : ISUP_PCO Comments : MTP ASP for sending ISUP messages FS : 2.1 / 61/155 17-CRT 212 31 Uen Rev. A		
Parameter Name	Parameter Type	Comments
sio	SIO	Service information octet
opc	INTEGER	Originating point code (Field of routing label)
dpc	INTEGER	Destination point code (Field of routing label)
sls	INTEGER	Signalling link selection (Field of routing label)
data	PDU	ISUP signalling message
Detailed Comments :		

PDU Type Definition			
PDU Name : data_type PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments :			
Field Name	Field Type	Field Encoding	Comments
cic information	cic_type information_type		
Detailed Comments :			

ASN.1 PDU Type Definition	
PDU Name	: ACM
PCO Type	: ISUP_PCO
Encoding Rule Name	:
Encoding Variation	:
Comments	: Address complete, TABLE 21 / Q.763

Continued on next page

*Continued from previous page***ASN.1 PDU Type Definition****Type Definition**

```

SEQUENCE {
cic          Circuit_identification_code ,
messageType  Message_type ,
backwardCallInd  Backward_call_indicators ,
opt_part_ptr OCT_1,

acmOptionals SET {

optBackwardCallInd  Optional_backward_call_indicators  OPTIONAL ,
callReference       Call_reference                 OPTIONAL ,
causeInd           Cause_indicators                OPTIONAL ,
userToUserInd      User_to_user_indicators         OPTIONAL ,
userToUserInfo     User_to_user_information        OPTIONAL ,
accessTransport    Access_transport                OPTIONAL ,
genericNotificationInd  Generic_notification_indicator  OPTIONAL ,
transMediumUsed    Transmission_medium_used        OPTIONAL ,
echoControllInfo   Echo_control_information        OPTIONAL ,
accessDeliveryInfo Access_delivery_information      OPTIONAL ,
redirectionNum     Redirection_number              OPTIONAL ,
paramCompatibilityInfo  Parameter_compatibility_information  OPTIONAL ,
callDiversionInfo  Call_diversion_information      OPTIONAL ,
networkFacility    Network_specific_facility       OPTIONAL ,
remoteOperations   Remote_operations              OPTIONAL ,
serviceActivation  Service_activation             OPTIONAL ,
redirectionNumRest Redirection_number_restriction  OPTIONAL ,
conferenceTreatmentInd  Conference_treatment_indicators  OPTIONAL ,
applicTransport    Application_transport_parameter  OPTIONAL

} OPTIONAL,

endOfOp  OCT_1  OPTIONAL
}

```

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ASN.1 PDU Type Definition

Detailed Comments : acmOptional is not a real ISUP parameter, but a "virtual parameter" for testing of optional parameters and for negative testing.

ASN.1 PDU Type Definition	
PDU Name	: ANM
PCO Type	: ISUP_PCO
Encoding Rule Name	:
Encoding Variation	:
Comments	: Answer (TABLE 22 / Q.763)

Continued on next page

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ASN.1 PDU Type Definition

Type Definition

```

SEQUENCE {
cic          Circuit_identification_code ,
messageType  Message_type ,
opt_part_ptr OCT_1,

anmOptionals SET {

backwardCallInd      Backward_call_indicators      OPTIONAL ,
optBackwardCallInd  Optional_backward_call_indicators  OPTIONAL ,
callReference        Call_reference                OPTIONAL ,
userToUserInd       User_to_user_indicators        OPTIONAL ,
userToUserInfo      User_to_user_information      OPTIONAL ,
connectedNum        Connected_number              OPTIONAL ,
accessTransport      Access_transport              OPTIONAL ,
accessDeliveryInfo  Access_delivery_information    OPTIONAL ,
genericNotificationInd Generic_notification_indicator  OPTIONAL ,
paramCompatibilityInfo Parameter_compatibility_information  OPTIONAL ,
backwardGVNS        Backward_GVNS                  OPTIONAL ,
callHistoryInfo     Call_history_information       OPTIONAL ,
genericNum          Generic_number                 OPTIONAL ,
transMediumUsed     Transmission_medium_used      OPTIONAL ,
networkFacility     Network_specific_facility     OPTIONAL ,
remoteOperations    Remote_operations             OPTIONAL ,
redirectionNum      Redirection_number            OPTIONAL ,
serviceActivation   Service_activation           OPTIONAL ,
echoControlInfo     Echo_control_information      OPTIONAL ,
redirectionNumRest  Redirection_number_restriction  OPTIONAL ,
conferenceTreatmentInd Conference_treatment_indicators  OPTIONAL ,
applicTransport     Application_transport_parameter  OPTIONAL

} OPTIONAL ,

endOfOp   OCT_1  OPTIONAL
}

```

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ASN.1 PDU Type Definition

Detailed Comments : anmOptional is not a real ISUP parameter, but a "virtual parameter" for testing of optional parameters and for negative testing.

ASN.1 PDU Type Definition

PDU Name : APM
PCO Type : ISUP_PCO
Encoding Rule Name :
Encoding Variation :
Comments : Appllication transport (TABLE XX / Q.763)

Type Definition

```
SEQUENCE {
cic          Circuit_identification_code ,
messageType  Message_type ,
opt_part_ptr OCT_1,

apmOptionals SET {

messageCompatibilityInfo Message_compatibility_information  OPTIONAL,
paramCompatibilityInfo  Parameter_compatibility_information  OPTIONAL,
applicTransport         Application_transport_parameter      OPTIONAL
} OPTIONAL ,

endOfOp  OCT_1  OPTIONAL}

```

Detailed Comments : apmOptional is not a real ISUP parameter, but a "virtual parameter" for testing of optional parameters and for negative testing.

ASN.1 PDU Type Definition	
PDU Name	: BLA
PCO Type	: ISUP_PCO
Encoding Rule Name	:
Encoding Variation	:
Comments	: Blocking acknowledgement (TABLE 39 / Q.763)
Type Definition	
SEQUENCE {	
cic	Circuit_identification_code ,
messageType	Message_type
}	
Detailed Comments :	

ASN.1 PDU Type Definition	
PDU Name	: BLO
PCO Type	: ISUP_PCO
Encoding Rule Name	:
Encoding Variation	:
Comments	: Blocking (TABLE 39 / Q.763)
Type Definition	
SEQUENCE {	
cic	Circuit_identification_code ,
messageType	Message_type
}	
Detailed Comments :	

ASN.1 PDU Type Definition

PDU Name : CCR
PCO Type : ISUP_PCO
Encoding Rule Name :
Encoding Variation :
Comments : Continuity check request (TABLE 39 / Q.763)

Type Definition

```
SEQUENCE {  
  cic          Circuit_identification_code ,  
  messageType  Message_type  
}
```

Detailed Comments :

ASN.1 PDU Type Definition	
PDU Name : CFN	
PCO Type : ISUP_PCO	
Encoding Rule Name :	
Encoding Variation :	
Comments : Confusion (TABLE 26 / Q.763)	
Type Definition	
<pre>SEQUENCE { cic Circuit_identification_code , messageType Message_type , causeInd Cause_indicators , cfnOptionals SET { } OPTIONAL , endOfOp OCT_1 OPTIONAL } </pre>	
Detailed Comments :	

ASN.1 PDU Type Definition	
PDU Name	: CFN_unknown
PCO Type	: ISUP_PCO
Encoding Rule Name	:
Encoding Variation	:
Comments	: Confusion (TABLE 26 / Q.763)
Type Definition	
<pre>SEQUENCE { cic Circuit_identification_code , messageType Message_type , causeInd Cause_indicators , cfnOptionals SET { unknown Unknown_parameter OPTIONAL } OPTIONAL , endOfOp OCT_1 OPTIONAL }</pre>	
Detailed Comments :	

ASN.1 PDU Type Definition	
PDU Name	: CON
PCO Type	: ISUP_PCO
Encoding Rule Name	:
Encoding Variation	:
Comments	: Connect (TABLE 27 / Q.763)

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ASN.1 PDU Type Definition		
Type Definition		
SEQUENCE {		
cic	Circuit_identification_code ,	
messageType	Message_type ,	
backwardCallInd	Backward_call_indicators ,	
opt_part_ptr	OCT_1,	
conOptionals SET {		
optBackwardCallInd	Optional_backward_call_indicators	OPTIONAL ,
backwardGVNS	Backward_GVNS	OPTIONAL ,
callReference	Call_reference	OPTIONAL ,
userToUserInd	User_to_user_indicators	OPTIONAL ,
userToUserInfo	User_to_user_information	OPTIONAL ,
connectedNum	Connected_number	OPTIONAL ,
accessTransport	Access_transport	OPTIONAL ,
accessDeliveryInfo	Access_delivery_information	OPTIONAL ,
genericNotificationInd	Generic_notification_indicator	OPTIONAL ,
paramCompatibilityInfo	Parameter_compatibility_information	OPTIONAL ,
callHistoryInfo	Call_history_information	OPTIONAL ,
genericNum	Generic_number	OPTIONAL ,
transMediumUsed	Transmission_medium_used	OPTIONAL ,
networkFacility	Network_specific_facility	OPTIONAL ,
remoteOperations	Remote_operations	OPTIONAL ,
redirectionNum	Redirection_number	OPTIONAL ,
serviceActivation	Service_activation	OPTIONAL ,
echoControlInfo	Echo_control_information	OPTIONAL ,
redirectionNumRest	Redirection_number_restriction	OPTIONAL ,
conferenceTreatmentInd	Conference_treatment_indicators	OPTIONAL ,
applicTransport	Application_transport_parameter	OPTIONAL
} OPTIONAL ,		
endOfOp	OCT_1	OPTIONAL
}		

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ASN.1 PDU Type Definition

Detailed Comments : conOptional is not a real ISUP parameter, but a "virtual parameter" for testing of optional parameters and for negative testing.

ASN.1 PDU Type Definition	
PDU Name	: CPG
PCO Type	: ISUP_PCO
Encoding Rule Name	:
Encoding Variation	:
Comments	: Call progress (TABLE 23 / Q.763)

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ASN.1 PDU Type Definition		
Type Definition		
SEQUENCE {		
cic	Circuit_identification_code ,	
messageType	Message_type ,	
eventInfo	Event_information,	
opt_part_ptr	OCT_1,	
cpgOptionals SET {		
optBackwardCallInd	Optional_backward_call_indicators	OPTIONAL ,
callReference	Call_reference	OPTIONAL ,
backwardCallInd	Backward_call_indicators	OPTIONAL ,
causeInd	Cause_indicators	OPTIONAL ,
userToUserInd	User_to_user_indicators	OPTIONAL ,
userToUserInfo	User_to_user_information	OPTIONAL ,
accessTransport	Access_transport	OPTIONAL ,
genericNotificationInd	Generic_notification_indicator	OPTIONAL ,
transMediumUsed	Transmission_medium_used	OPTIONAL ,
echoControllInfo	Echo_control_information	OPTIONAL ,
accessDeliveryInfo	Access_delivery_information	OPTIONAL ,
redirectionNum	Redirection_number	OPTIONAL ,
paramCompatibilityInfo	Parameter_compatibility_information	OPTIONAL ,
callDiversionInfo	Call_diversion_information	OPTIONAL ,
networkFacility	Network_specific_facility	OPTIONAL ,
remoteOperations	Remote_operations	OPTIONAL ,
serviceActivation	Service_activation	OPTIONAL ,
redirectionNumRest	Redirection_number_restriction	OPTIONAL ,
callTransferNumber	Call_transfer_number	OPTIONAL ,
conferenceTreatmentInd	Conference_treatment_indicators	OPTIONAL ,
applicTransport	Application_transport_parameter	OPTIONAL
	} OPTIONAL ,	
endOfOp	OCT_1	OPTIONAL
	}	

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ASN.1 PDU Type Definition

Detailed Comments : cpgOptional is not a real ISUP parameter, but a "virtual parameter" for testing of optional parameters and for negative testing.

ASN.1 PDU Type Definition

PDU Name : CPG_unknown
PCO Type : ISUP_PCO
Encoding Rule Name :
Encoding Variation :
Comments : Call progress (TABLE 23 / Q.763)

Continued on next page

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ASN.1 PDU Type Definition		
Type Definition		
SEQUENCE {		
cic	Circuit_identification_code ,	
messageType	Message_type ,	
eventInfo	Event_information,	
cpgOptionals SET {		
optBackwardCallInd	Optional_backward_call_indicators	OPTIONAL ,
callReference	Call_reference	OPTIONAL ,
backwardCallInd	Backward_call_indicators	OPTIONAL ,
causeInd	Cause_indicators	OPTIONAL ,
userToUserInd	User_to_user_indicators	OPTIONAL ,
userToUserInfo	User_to_user_information	OPTIONAL ,
accessTransport	Access_transport	OPTIONAL ,
genericNotificationInd	Generic_notification_indicator	OPTIONAL ,
transMediumUsed	Transmission_medium_used	OPTIONAL ,
echoControllInfo	Echo_control_information	OPTIONAL ,
accessDeliveryInfo	Access_delivery_information	OPTIONAL ,
redirectionNum	Redirection_number	OPTIONAL ,
paramCompatibilityInfo	Parameter_compatibility_information	OPTIONAL ,
callDiversionInfo	Call_diversion_information	OPTIONAL ,
networkFacility	Network_specific_facility	OPTIONAL ,
remoteOperations	Remote_operations	OPTIONAL ,
serviceActivation	Service_activation	OPTIONAL ,
redirectionNumRest	Redirection_number_restriction	OPTIONAL ,
callTransferNumber	Call_transfer_number	OPTIONAL ,
conferenceTreatmentInd	Conference_treatment_indicators	OPTIONAL ,
unknown	Unknown_parameter	
OPTIONAL		
	} OPTIONAL ,	
endOfOp	OCT_1	OPTIONAL
		128
}		

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ASN.1 PDU Type Definition

Detailed Comments : cpgOptional is not a real ISUP parameter, but a "virtual parameter" for testing of optional parameters and for negative testing.

ASN.1 PDU Type Definition	
PDU Name	: FAC
PCO Type	: ISUP_PCO
Encoding Rule Name	:
Encoding Variation	:
Comments	: Facility @ (TABLE 45 / Q.763)
Type Definition	
<pre> SEQUENCE { cic Circuit_identification_code , messageType Message_type , opt_part_ptr OCT_1, facOptionals SET { messageCompatibilityInfo Message_compatibility_information OPTIONAL, paramCompatibilityInfo Parameter_compatibility_information OPTIONAL, remoteOperations Remote_operations OPTIONAL, serviceActivation Service_activation OPTIONAL , callTransferNumber Call_transfer_number OPTIONAL , accessTransport Access_transport OPTIONAL, genericNotificationInd Generic_notification_indicator OPTIONAL } OPTIONAL , endOfOp OCT_1 OPTIONAL } </pre>	
Detailed Comments : facOptional is not a real ISUP parameter, but a "virtual parameter" for testing of optional parameters and for negative testing.	

ASN.1 PDU Type Definition	
PDU Name	: FOT
PCO Type	: ISUP_PCO
Encoding Rule Name	:
Encoding Variation	:
Comments	: Forward transfer (TABLE 37 / Q.763)
Type Definition	
<pre> SEQUENCE { cic Circuit_identification_code , messageType Message_type , fotOptionals SET { callReference Call_reference OPTIONAL , paramCompatibilityInfo Parameter_compatibility_information OPTIONAL } OPTIONAL , endOfOp OCT_1 OPTIONAL } </pre>	
Detailed Comments : fotOptional is not a real ISUP parameter, but a "virtual parameter" for testing of optional parameters and for negative testing.	

ASN.1 PDU Type Definition	
PDU Name	: IAM
PCO Type	: ISUP_PCO
Encoding Rule Name	:
Encoding Variation	:
Comments	: Initial address message (TABLE 32 / Q.763)

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ASN.1 PDU Type Definition

Type Definition

SEQUENCE {		
cic	Circuit_identification_code ,	
messageType	Message_type ,	
natureOfConnInd	Nature_of_connection_indicators ,	
forwardCallInd	Forward_call_indicators ,	
callingPartyCat	Calling_partys_category ,	
transmissionMediumReq	Transmission_medium_requirement ,	
var_part_ptr	OCT_1,	
opt_part_ptr	OCT_1,	
calledPartyNum	Called_party_number ,	
iamOptionals SET {		
transitNetworkSel	Transit_network_selection	OPTIONAL ,
callReference	Call_reference	OPTIONAL ,
callingPartyNum	Calling_party_number	OPTIONAL ,
optForwardCallInd	Optional_forward_call_indicators	OPTIONAL ,
redirectingNum	Redirecting_number	OPTIONAL ,
redirectionInfo	Redirection_information	OPTIONAL ,
cUGInterlockCode	Closed_user_group_interlock_code	OPTIONAL ,
connectionRequest	Connection_request	OPTIONAL ,
originalCalledNum	Original_called_number	OPTIONAL ,
userToUserInfo	User_to_user_information	OPTIONAL ,
accessTransport	Access_transport	OPTIONAL ,
userServiceInfo	User_service_information	OPTIONAL ,
userToUserInd	User_to_user_indicators	OPTIONAL ,
genericNum	Generic_number	OPTIONAL ,
propDelayCounter	Propagation_delay_counter	OPTIONAL ,
userServiceInfoPrime	User_service_information_prime	OPTIONAL ,
netwSpecificFacility	Network_specific_facility	OPTIONAL ,
genericDigits	Generic_digits	OPTIONAL ,
origISCPoinCode	Origination_ISC_point_code	OPTIONAL ,
userTeleServiceInfo	User_telesevice_information	OPTIONAL ,
remoteOperations	Remote_operations	OPTIONAL ,
paramCompatibilityInfo	Parameter_compatibility_information	OPTIONAL ,

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ASN.1 PDU Type Definition

Detailed Comments : iamOptional and iamOptional2 are not a real ISUP parameter, but a "virtual parameters" for testing of optional parameters and for negative testing.

ASN.1 PDU Type Definition

PDU Name : IAM_unknown
PCO Type : ISUP_PCO
Encoding Rule Name :
Encoding Variation :
Comments : Initial address message (TABLE 32 / Q.763)

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Continued from previous page

ASN.1 PDU Type Definition

Type Definition

```

SEQUENCE {
cic                Circuit_identification_code ,
messageType        Message_type ,
natureOfConnInd    Nature_of_connection_indicators ,
forwardCallInd     Forward_call_indicators ,
callingPartyCat    Calling_partys_category ,
transmissionMediumReq  Transmission_medium_requirement ,
calledPartyNum     Called_party_number ,

iamOptionals SET {

transitNetworkSel  Transit_network_selection      OPTIONAL ,
callReference      Call_reference              OPTIONAL ,
callingPartyNum    Calling_party_number       OPTIONAL ,
optForwardCallInd  Optional_forward_call_indicators  OPTIONAL ,
redirectingNum     Redirecting_number         OPTIONAL ,
redirectionInfo    Redirection_information     OPTIONAL ,
cUGInterlockCode  Closed_user_group_interlock_code  OPTIONAL ,
connectionRequest  Connection_request              OPTIONAL ,
originalCalledNum  Original_called_number       OPTIONAL ,
userToUserInfo     User_to_user_information      OPTIONAL ,
accessTransport    Access_transport              OPTIONAL ,
userServiceInfo    User_service_information     OPTIONAL ,
userToUserInd     User_to_user_indicators     OPTIONAL ,
genericNum         Generic_number            OPTIONAL ,
unknown           Unknown_parameter         OPTIONAL ,
propDelayCounter   Propagation_delay_counter    OPTIONAL ,
userServiceInfoPrime  User_service_information_prime  OPTIONAL ,
netwSpecificFacility  Network_specific_facility      OPTIONAL ,
genericDigits      Generic_digits            OPTIONAL ,
origISCPPointCode  Origination_ISC_point_code     OPTIONAL ,
userTeleServiceInfo  User_teleservice_information    OPTIONAL ,
remoteOperations    Remote_operations            OPTIONAL ,
paramCompatibilityInfo  Parameter_compatibility_information  OPTIONAL ,
genericNotificationInd  Generic_notification_indicator    OPTIONAL ,
serviceActivation    Service_activation              OPTIONAL ,

```

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ASN.1 PDU Type Definition

Detailed Comments : iamOptional and iamOptional2 are not a real ISUP parameter, but a "virtual parameters" for testing of optional parameters and for negative testing.

ASN.1 PDU Type Definition

PDU Name : IDR
PCO Type : ISUP_PCO
Encoding Rule Name :
Encoding Variation :
Comments : Identification request (TABLE 47 / Q.763)

Type Definition

```
SEQUENCE {
cic          Circuit_identification_code ,
messageType  Message_type,

idrOptionals SET {

MCIDReqInd   MCID_request_indicators          OPTIONAL ,
messageCompatibilityInfo Message_compatibility_information OPTIONAL,
paramCompatibilityInfo Parameter_compatibility_information OPTIONAL
} OPTIONAL ,

endOfOp      OCT_1  OPTIONAL
}

```

Detailed Comments : idrOptional is not a real ISUP parameter, but a "virtual parameter" for testing of optional parameters and for negative testing.

ASN.1 PDU Type Definition	
PDU Name : IRS PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Identification response (TABLE 48 / Q.763)	
Type Definition	
<pre> SEQUENCE { cic Circuit_identification_code , messageType Message_type , irsOptionals SET { MCIDRespInd MCID_response_indicators OPTIONAL , messageCompatibilityInfo Message_compatibility_information OPTIONAL, paramCompatibilityInfo Parameter_compatibility_information OPTIONAL, callingPartyNum Calling_party_number OPTIONAL , accessTransport Access_transport OPTIONAL , genericNum Generic_number OPTIONAL } OPTIONAL , endOfOp OCT_1 OPTIONAL } </pre>	
Detailed Comments : irsOptional is not a real ISUP parameter, but a "virtual parameter" for testing of optional parameters and for negative testing.	

ASN.1 PDU Type Definition	
PDU Name	: LPA
PCO Type	: ISUP_PCO
Encoding Rule Name	:
Encoding Variation	:
Comments	: Loop back acknowledgement @ (TABLE 39 / Q.763)
Type Definition	
SEQUENCE {	
cic	Circuit_identification_code ,
messageType	Message_type
}	
Detailed Comments	:

ASN.1 PDU Type Definition	
PDU Name : MXX PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Unknown message	
Type Definition	
<pre> SEQUENCE { cic Circuit_identification_code , messageType Message_type , mxxOptionals SET { messageCompatibilityInfo Message_compatibility_information OPTIONAL } OPTIONAL , endOfOp OCT_1 OPTIONAL } </pre>	
Detailed Comments :	

ASN.1 PDU Type Definition	
PDU Name : NRM PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Network resource management (TABLE 46 / Q.763)	
Type Definition	
<pre> SEQUENCE { cic Circuit_identification_code , messageType Message_type , nrmOptionals SET { messageCompatibilityInfo Message_compatibility_information OPTIONAL, paramCompatibilityInfo Parameter_compatibility_information OPTIONAL, echoControlInf Echo_control_information OPTIONAL, transMediumUsed Transmission_medium_used OPTIONAL } OPTIONAL , endOfOp OCT_1 OPTIONAL } </pre>	
Detailed Comments : nrmOptional is not a real ISUP parameter, but a "virtual parameter" for testing of optional parameters and for negative testing.	

ASN.1 PDU Type Definition	
PDU Name	: OLM
PCO Type	: ISUP_PCO
Encoding Rule Name	:
Encoding Variation	:
Comments	: Overload @ (TABLE 39 / Q.763)
Type Definition	
SEQUENCE {	
cic	Circuit_identification_code ,
messageType	Message_type
}	
Detailed Comments	:

ASN.1 PDU Type Definition	
PDU Name : OPQ PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Operator Queue	
Type Definition	
<pre> SEQUENCE { cic Circuit_identification_code , messageType Message_type , opqOptionals SET { messageCompatibilityInfo Message_compatibility_information OPTIONAL } OPTIONAL , endOfOp OCT_1 OPTIONAL } </pre>	
Detailed Comments : opqOptional is not a real ISUP parameter, but a "virtual parameter" for testing of optional parameters and for negative testing.	

ASN.1 PDU Type Definition	
PDU Name : OPR PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Operator	
Type Definition	
<pre>SEQUENCE { cic Circuit_identification_code , messageType Message_type , oprOptionals SET { messageCompatibilityInfo Message_compatibility_information OPTIONAL } OPTIONAL , endOfOp OCT_1 OPTIONAL }</pre>	
Detailed Comments : oprOptional is not a real ISUP parameter, but a "virtual parameter" for testing of optional parameters and for negative testing.	

ASN.1 PDU Type Definition	
PDU Name	: PAM
PCO Type	: ISUP_PCO
Encoding Rule Name	:
Encoding Variation	:
Comments	: Pass_along @ (TABLE 43 / Q.763)
Type Definition	
SEQUENCE {	
cic	Circuit_identification_code ,
messageType	Message_type ,
contents	OCT_N
}	
Detailed Comments	:

ASN.1 PDU Type Definition

PDU Name : PRI
PCO Type : ISUP_PCO
Encoding Rule Name :
Encoding Variation :
Comments : Pre-Release information, TABLE xx / Q.763

Type Definition

```

SEQUENCE {
  cic          Circuit_identification_code ,
  messageType  Message_type ,
  opt_part_ptr OCT_1,

  priOptionals SET {

    optForwardCallInd  Optional_forward_call_indicators  OPTIONAL,
    optBackwardCallInd Optional_backward_call_indicators OPTIONAL ,
    paramCompatibilityInfo Parameter_compatibility_information OPTIONAL ,
    messageCompatibilityInfo Message_compatibility_information OPTIONAL,
    applicTransport    Application_transport_parameter    OPTIONAL

  } OPTIONAL,

  endOfOp          OCT_1          OPTIONAL
}
  
```

Detailed Comments : priOptional is not a real ISUP parameter, but a "virtual parameter" for testing of optional parameters and for negative testing.

ASN.1 PDU Type Definition	
PDU Name	: REL
PCO Type	: ISUP_PCO
Encoding Rule Name	:
Encoding Variation	:
Comments	: Release (TABLE 33 / Q.763)

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ASN.1 PDU Type Definition

Type Definition

```

SEQUENCE {
cic                Circuit_identification_code ,
messageType        Message_type ,
var_part_ptr       OCT_1,
opt_part_ptr       OCT_1,
causeInd           Cause_indicators ,

relOptionals SET {

redirectingInfo    Redirection_information          OPTIONAL ,
redirectionNum     Redirection_number              OPTIONAL ,
accessTransport    Access_transport                OPTIONAL ,
sigPointCode       Signalling_point_code           OPTIONAL ,
userToUserInfo     User_to_user_information        OPTIONAL ,
autCongLevel       Automatic_congestion_level      OPTIONAL ,
networkFacility    Network_specific_facility       OPTIONAL ,
accessDeliveryInfo Access_delivery_information     OPTIONAL ,
paramCompatibilityInfo Parameter_compatibility_information OPTIONAL ,
redirectionNumRest Redirection_number_restriction    OPTIONAL ,
userToUserInd      User_to_user_indicators        OPTIONAL
} OPTIONAL ,

endOfOp    OCT_1  OPTIONAL
}

```

Detailed Comments : relOptional is not a real ISUP parameter, but a "virtual parameter" for testing of optional parameters and for negative testing.

ASN.1 PDU Type Definition

PDU Name : REL_unknown
PCO Type : ISUP_PCO
Encoding Rule Name :
Encoding Variation :
Comments : Release (TABLE 33 / Q.763)

Type Definition

```

SEQUENCE {
  cic          Circuit_identification_code ,
  messageType  Message_type ,
  causeInd     Cause_indicators ,

  relOptionals SET {

    redirectingInfo  Redirection_information      OPTIONAL ,
    redirectionNum   Redirection_number          OPTIONAL ,
    accessTransport  Access_transport            OPTIONAL ,
    sigPointCode     Signalling_point_code       OPTIONAL ,
    userToUserInfo   User_to_user_information    OPTIONAL ,
    autCongLevel     Automatic_congestion_level  OPTIONAL ,
    networkFacility  Network_specific_facility   OPTIONAL ,
    accessDeliveryInfo Access_delivery_information OPTIONAL ,
    paramCompatibilityInfo Parameter_compatibility_information OPTIONAL ,
    redirectionNumRest Redirection_number_restriction OPTIONAL ,
    userToUserInd    User_to_user_indicators     OPTIONAL ,
    unknown          Unknown_parameter           OPTIONAL
  } OPTIONAL ,

  endOfOp  OCT_1  OPTIONAL
}
  
```

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ASN.1 PDU Type Definition

Detailed Comments : relOptional is not a real ISUP parameter, but a "virtual parameter" for testing of optional parameters and for negative testing.

ASN.1 PDU Type Definition

PDU Name : RLC
PCO Type : ISUP_PCO
Encoding Rule Name :
Encoding Variation :
Comments : Release complete (TABLE 34 / Q.763)

Type Definition

```
SEQUENCE {
  cic          Circuit_identification_code ,
  messageType  Message_type,
  opt_part_ptr OCT_1,

  rlcOptionals SET {
    causeInd    Cause_indicators  OPTIONAL
  } OPTIONAL ,

  endOfOp      OCT_1  OPTIONAL
}
```

Detailed Comments : rlcOptional is not a real ISUP parameter, but a "virtual parameter" for testing of optional parameters and for negative testing.

ASN.1 PDU Type Definition	
PDU Name : RLC_unknown PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Release complete (TABLE 34 / Q.763)	
Type Definition	
<pre> SEQUENCE { cic Circuit_identification_code , messageType Message_type, rlcOptionals SET { causeInd Cause_indicators OPTIONAL, unknown Unknown_parameter OPTIONAL } OPTIONAL , endOfOp OCT_1 OPTIONAL } </pre>	
Detailed Comments : rlcOptional is not a real ISUP parameter, but a "virtual parameter" for testing of optional parameters and for negative testing.	

ASN.1 PDU Type Definition	
PDU Name	: RSC
PCO Type	: ISUP_PCO
Encoding Rule Name	:
Encoding Variation	:
Comments	: Reset circuit (TABLE 39 / Q.763)
Type Definition	
SEQUENCE {	
cic	Circuit_identification_code ,
messageType	Message_type
}	
Detailed Comments	:

ASN.1 PDU Type Definition	
PDU Name : SCB PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Special Clear Back	
Type Definition	
<pre> SEQUENCE { cic Circuit_identification_code , messageType Message_type , scbOptionals SET { messageCompatibilityInfo Message_compatibility_information OPTIONAL } OPTIONAL , endOfOp OCT_1 OPTIONAL } </pre>	
Detailed Comments : scbOptional is not a real ISUP parameter, but a "virtual parameter" for testing of optional parameters and for negative testing.	

ASN.1 PDU Type Definition	
PDU Name : SGM PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : Segmentation (TABLE 49 / Q.763)	
Type Definition	
<pre> SEQUENCE { cic Circuit_identification_code , messageType Message_type , sgmOptionals SET { accessTransport Access_transport OPTIONAL , userToUserInfo User_to_user_information OPTIONAL , messageCompatibilityInfo Message_compatibility_information OPTIONAL, genericDigits Generic_digits OPTIONAL, genericNotificationInd Generic_notification_indicator OPTIONAL, genericNum Generic_number OPTIONAL } OPTIONAL , endOfOp OCT_1 OPTIONAL } </pre>	
Detailed Comments : sgmOptional is not a real ISUP parameter, but a "virtual parameter" for testing of optional parameters and for negative testing.	

ASN.1 PDU Type Definition	
PDU Name	: UBA
PCO Type	: ISUP_PCO
Encoding Rule Name	:
Encoding Variation	:
Comments	: Unblocking acknowledgement (TABLE 39 / Q.763)
Type Definition	
SEQUENCE {	
cic	Circuit_identification_code ,
messageType	Message_type
}	
Detailed Comments :	

ASN.1 PDU Type Definition	
PDU Name	: UBL
PCO Type	: ISUP_PCO
Encoding Rule Name	:
Encoding Variation	:
Comments	: Unblocking (TABLE 39 / Q.763)
Type Definition	
SEQUENCE {	
cic	Circuit_identification_code ,
messageType	Message_type
}	
Detailed Comments :	

ASN.1 PDU Type Definition	
PDU Name	: UCIC
PCO Type	: ISUP_PCO
Encoding Rule Name	:
Encoding Variation	:
Comments	: Unequipped circuit identification code @ (TABLE 39 / Q.763)
Type Definition	
SEQUENCE {	
cic	Circuit_identification_code ,
messageType	Message_type
}	
Detailed Comments	:

ASN.1 PDU Type Definition	
PDU Name	: UPA
PCO Type	: ISUP_PCO
Encoding Rule Name	:
Encoding Variation	:
Comments	: User part available (TABLE 44 / Q.763)
Type Definition	
<pre>SEQUENCE { cic Circuit_identification_code , messageType Message_type , upaOptionals SET { paramCompatibilityInfo Parameter_compatibility_information OPTIONAL } OPTIONAL , endOfOp OCT_1 OPTIONAL }</pre>	
Detailed Comments : upaOptional is not a real ISUP parameter, but a "virtual parameter" for testing of optional parameters and for negative testing.	

ASN.1 PDU Type Definition	
PDU Name : UPT PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : User part test (TABLE 44 / Q.763)	
Type Definition	
<pre> SEQUENCE { cic Circuit_identification_code , messageType Message_type , uptOptionals SET { paramCompatibilityInfo Parameter_compatibility_information OPTIONAL } OPTIONAL , endOfOp OCT_1 OPTIONAL } </pre>	
Detailed Comments : uptOptional is not a real ISUP parameter, but a "virtual parameter" for testing of optional parameters and for negative testing.	

ASN.1 PDU Type Definition	
PDU Name : USR PCO Type : ISUP_PCO Encoding Rule Name : Encoding Variation : Comments : User-to-user information (TABLE 36 / Q.763)	
Type Definition	
<pre> SEQUENCE { cic Circuit_identification_code , messageType Message_type , userToUserInfo User_to_user_information , usrOptionals SET { accessTransport Access_transport OPTIONAL , paramCompatibilityInfo Parameter_compatibility_information OPTIONAL } OPTIONAL , endOfOp OCT_1 OPTIONAL } </pre>	
Detailed Comments : usrOptional is not a real ISUP parameter, but a "virtual parameter" for testing of optional parameters and for negative testing.	

III

Constraints Part

Structured Type Constraint Declaration			
Constraint Name : c_Access_delivery_information			
Structured Type : Access_delivery_information			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_accessDeliveryInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
AccessDel	-		
Spare	'0000000'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : c_Access_transport			
Structured Type : Access_transport			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_accessTransport		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
ATP_field	'7D029181'O		HLC (Telephony)
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : c_Any_cause_Indicators			
Structured Type : Cause_indicators			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_causeInd		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
Location	*		Any Legal value
Spare	*		Any Legal value
CodingStandard	*		Any Legal value
Ext1	*		Any Legal value
Reserved	*		
Ext1a	*		
CauseValue	*		Any Legal value
Ext2	*		Any Legal value
Diagnostics	*		Any Legal value
Detailed Comments :			

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_causeInd		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
Location	*		Any Legal value
Spare	*		Any Legal value
CodingStandard	*		Any Legal value
Ext1	*		Any Legal value
Reserved	*		
Ext1a	*		
CauseValue	*		Any Legal value
Ext2	*		Any Legal value
Diagnostics	*		Any Legal value

Structured Type Constraint Declaration			
Constraint Name : c_Automatic_congestion_level			
Structured Type : Automatic_congestion_level			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_autCongLevel		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
CongLevel	'00000001'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : c_BCI_called_status_no_indication_charge_no_indication			
Structured Type : Backward_call_indicators			
Derivation Path : c_Backward_call_indicators.			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_backwardCallInd		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
ChargeInd	'00'B		no indication
CalledPartyStatusInd	'00'B		no indication
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : c_Backward_GVNS Structured Type : Backward_GVNS Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_backwardGVNS		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
TerminatingAccessInd	'00'B		
Spare	'00000'B		
ExtensionInd	'0'B		
Detailed Comments :			

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_backwardGVNS		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
TerminatingAccessInd	'00'B		
Spare	'00000'B		
ExtensionInd	'0'B		

Structured Type Constraint Declaration

Constraint Name : c_Backward_call_indicators

Structured Type : Backward_call_indicators

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
ChargeInd	'10'B		charge
CalledPartyStatusInd	'01'B		subscriber free
CalledPartyCatInd	'01'B		ordinary subscriber
EndToEndInd	'00'B		no method available
InterworkingInd	'0'B		no interworking encountered
EndToEndInfoInd	'0'B		no end-to-end information available
ISUPInd	'1'B		ISUP used all the way
HoldingInd	'0'B		holding not requested
ISDNAccessInd	'0'B		non-ISDN
EchoControlDevInd	'0'B		incoming half echo control device not included
SCCPMethodInd	'00'B		no indication

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_Backward_call_indicators_inc_echo_included

Structured Type : Backward_call_indicators

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
ChargeInd	'10'B		charge
CalledPartyStatusInd	'01'B		subscriber free
CalledPartyCatInd	'01'B		ordinary subscriber
EndToEndInd	'00'B		no method available
InterworkingInd	'0'B		no interworking encountered
EndToEndInfoInd	'0'B		no end-to-end information available
ISUPInd	'1'B		ISUP used all the way
HoldingInd	'0'B		holding not requested
ISDNAccessInd	'0'B		non-ISDN
EchoControlDevInd	'1'B		incoming half echo control device included
SCCPMethodInd	'00'B		no indication

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_Backward_call_indicators_inc_echo_not_included

Structured Type : Backward_call_indicators

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
ChargeInd	'10'B		charge
CalledPartyStatusInd	'01'B		subscriber free
CalledPartyCatInd	'01'B		ordinary subscriber
EndToEndInd	'00'B		no method available
InterworkingInd	'0'B		no interworking encountered
EndToEndInfoInd	'0'B		no end-to-end information available
ISUPInd	'1'B		ISUP used all the way
HoldingInd	'0'B		holding not requested
ISDNAccessInd	'0'B		non-ISDN
EchoControlDevInd	'0'B		incoming half echo control device not included
SCCPMethodInd	'00'B		no indication

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_Backward_call_indicators_o

Structured Type : Backward_call_indicators

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_backwardCallInd		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
ChargeInd	'10'B		charge
CalledPartyStatusInd	'01'B		subscriber free
CalledPartyCatInd	'01'B		ordinary subscriber
EndToEndInd	'00'B		no method available
InterworkingInd	'0'B		no interworking encountered
EndToEndInfoInd	'0'B		no end-to-end information available
ISUPInd	'1'B		ISUP used all the way
HoldingInd	'0'B		holding not requested
ISDNAccessInd	'0'B		non-ISDN
EchoControlDevInd	'0'B		incoming half echo control device not included
SCCPMethodInd	'00'B		no indication

Detailed Comments :

Structured Type Constraint Declaration			
Constraint Name : c_Call_diversion_information			
Structured Type : Call_diversion_information			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_callDiversionInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NotificationSubscriptionOptions	'000'B		Unknown
RedirectionReason	'0000'B		Unknown
Spare	'0'B		
Detailed Comments :			

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_callDiversionInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NotificationSubscriptionOptions	'000'B		Unknown
RedirectionReason	'0000'B		Unknown
Spare	'0'B		

Structured Type Constraint Declaration			
Constraint Name : c_Call_diversion_information_mobile_subscriber_not_reachable			
Structured Type : Call_diversion_information			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_callDiversionInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NotificationSubscriptionOptions	'000'B		Unknown
RedirectionReason	'0110'B		Mobile subscriber not reachable
Spare	'0'B		
Detailed Comments :			

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_callDiversionInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NotificationSubscriptionOptions	'000'B		Unknown
RedirectionReason	'0110'B		Mobile subscriber not reachable
Spare	'0'B		

Structured Type Constraint Declaration			
Constraint Name : c_Call_history_information			
Structured Type : Call_history_information			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_callHistoryInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
PropagatDelayValue	'0001'O		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : c_Call_history_information_par (CHInf_val: OCT_2)			
Structured Type : Call_history_information			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_callHistoryInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
PropagatDelayValue	CHInf_val		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : c_Call_reference			
Structured Type : Call_reference			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_callReference		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
CRef_contents	-		
Detailed Comments :			

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_callReference		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
CRef_contents	-		

Structured Type Constraint Declaration

Constraint Name : c_Call_transfer_number**Structured Type** : Call_transfer_number**Derivation Path** :**Encoding Variation:****Comments** :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_callTransferNumber		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NatureOfAddrInd	'0000100'B		Nature of address indicator
OddEvenInd	'0'B		Odd/even indicator
ScreeningInd	'00'B		
AddrPresRestrictionInd	'00'B		
NumberingPlanInd	'001'B		Numbering plan indicator
Spare	'0'B		
AddrSignals	TSC_CPN_OUTG		Address signals
Filler	-		

Detailed Comments :

Structured Type Constraint Declaration			
Constraint Name : c_Called_party_number_INN_allowed			
Structured Type : Called_party_number			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
length	TSO_CALC_VAR_LENGTH()		Length indicator of parameter International number Even number of address signals ISDN numbering plan (E.164) routing to internal network number allowed
NatureOfAddrInd	'0000100'B		
OddEven	'0'B		
Spare	'0000'B		
NumberingPlanInd	'001'B		
INNInd	'0'B		
AddrSignals	TSP_ISDN		
Filler	-		
Detailed Comments :			

Structured Type Constraint Declaration

Constraint Name : c_Called_party_number_INN_allowed_send

Structured Type : Called_party_number

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
length	TSO_CALC_VAR_LENGTH()		Length indicator of parameter International number Even number of address signals ISDN numbering plan (E.164) routing to internal network number allowed
NatureOfAddrInd	'0000100'B		
OddEven	'0'B		
Spare	'0000'B		
NumberingPlanInd	'001'B		
INNInd	'0'B		
AddrSignals	TSP_ISDN		
Filler	-		

Detailed Comments :

Structured Type Constraint Declaration			
Constraint Name : c_Called_party_number_INN_not_allowed			
Structured Type : Called_party_number			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
length	TSO_CALC_VAR_LENGTH()		Length indicator of parameter International number Even number of address signals ISDN numbering plan (E.164) routing to internal network number not allowed
NatureOfAddrInd	'0000100'B		
OddEven	'0'B		
Spare	'0000'B		
NumberingPlanInd	'001'B		
INNInd	'1'B		
AddrSignals	TSP_ISDN		
Filler	-		
Detailed Comments :			

Element Name	Element Value	Element Encoding	Comments
length	TSO_CALC_VAR_LENGTH()		Length indicator of parameter International number Even number of address signals ISDN numbering plan (E.164) routing to internal network number not allowed
NatureOfAddrInd	'0000100'B		
OddEven	'0'B		
Spare	'0000'B		
NumberingPlanInd	'001'B		
INNInd	'1'B		
AddrSignals	TSP_ISDN		
Filler	-		

Structured Type Constraint Declaration			
Constraint Name : c_Called_party_number_INN_not_allowed_send			
Structured Type : Called_party_number			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
length	TSO_CALC_VAR_LENGTH()		Length indicator of parameter International number Even number of address signals ISDN numbering plan (E.164) routing to internal network number not allowed
NatureOfAddrInd	'0000100'B		
OddEven	'0'B		
Spare	'0000'B		
NumberingPlanInd	'001'B		
INNInd	'1'B		
AddrSignals	TSP_ISDN		
Filler	-		
Detailed Comments :			

Element Name	Element Value	Element Encoding	Comments
length	TSO_CALC_VAR_LENGTH()		Length indicator of parameter International number Even number of address signals ISDN numbering plan (E.164) routing to internal network number not allowed
NatureOfAddrInd	'0000100'B		
OddEven	'0'B		
Spare	'0000'B		
NumberingPlanInd	'001'B		
INNInd	'1'B		
AddrSignals	TSP_ISDN		
Filler	-		

Structured Type Constraint Declaration

Constraint Name : c_Called_party_number_INN_allowed_MS RN

Structured Type : Called_party_number

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
length	TSO_CALC_VAR_LENGTH()		Length indicator of parameter International number Even number of address signals ISDN numbering plan (E.164) routing to internal network number allowed
NatureOfAddrInd	'0000100'B		
OddEven	'0'B		
Spare	'0000'B		
NumberingPlanInd	'001'B		
INNInd	'0'B		
AddrSignals	TSP_MS RN		
Filler	-		

Detailed Comments :

Structured Type Constraint Declaration			
Constraint Name : c_Called_party_number_INN_not_allowed_MS RN			
Structured Type : Called_party_number			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
length	TSO_CALC_VAR_LENGTH()		Length indicator of parameter International number Even number of address signals ISDN numbering plan (E.164) routing to internal network number not allowed
NatureOfAddrInd	'0000100'B		
OddEven	'0'B		
Spare	'0000'B		
NumberingPlanInd	'001'B		
INNInd	'1'B		
AddrSignals	TSP_MS RN		
Filler	-		
Detailed Comments :			

Element Name	Element Value	Element Encoding	Comments
length	TSO_CALC_VAR_LENGTH()		Length indicator of parameter International number Even number of address signals ISDN numbering plan (E.164) routing to internal network number not allowed
NatureOfAddrInd	'0000100'B		
OddEven	'0'B		
Spare	'0000'B		
NumberingPlanInd	'001'B		
INNInd	'1'B		
AddrSignals	TSP_MS RN		
Filler	-		

Structured Type Constraint Declaration

Constraint Name : c_Called_party_number_internat_even (val_CdPN: HEX_N)

Structured Type : Called_party_number

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
length	TSO_CALC_VAR_LENGTH()		Length indicator of parameter International number
NatureOfAddrInd	'0000100'B		
OddEven	'0'B		Even number of address signals
Spare	'0000'B		
NumberingPlanInd	'001'B		ISDN numbering plan (E.164)
INNInd	'0'B		routing to internal network number allowed
AddrSignals	val_CdPN		
Filler	-		NOTE: must be always -

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_Called_party_number_internat_odd (val_CdPN: HEX_N)

Structured Type : Called_party_number

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
length	TSO_CALC_VAR_LENGTH()		Length indicator of parameter International number
NatureOfAddrInd	'0000100'B		
OddEven	'1'B		Odd number of address signals
Spare	'0000'B		
NumberingPlanInd	'001'B		ISDN numbering plan (E.164)
INNInd	'0'B		routing to internal network number allowed
AddrSignals	val_CdPN		
Filler	-		Filler has to be added to address signals !

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_Calling_party_number_even

Structured Type : Calling_party_number

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_callingPartyNum		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NatureOfAddrInd	'0000100'B		international number
OddEven	'0'B		even
ScreeningInd	'01'B		user provided, verified and passed
AddrPresentRestInd	'00'B		presentation allowed
NumberingPlanInd	'001'B		ISDN numbering plan (E.164)
NIInd	'0'B		complete
AddrSignals	TSC_CGPN_A		
Filler	-		

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_Calling_party_number_even_B

Structured Type : Calling_party_number

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_callingPartyNum		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NatureOfAddrInd	'0000100'B		international number
OddEven	'0'B		even
ScreeningInd	'01'B		user provided, verified and passed
AddrPresentRestInd	'00'B		presentation allowed
NumberingPlanInd	'001'B		ISDN numbering plan (E.164)
NIInd	'0'B		complete
AddrSignals	TSC_CGPN_A		
Filler	-		

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_Calling_party_number_even_A_address_not_available

Structured Type : Calling_party_number

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_callingPartyNum		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NatureOfAddrInd	'0000000'B		national number 11
OddEven	'0'B		even
ScreeningInd	'01'B		user provided, verified and passed
AddrPresentRestInd	'10'B		address not available
NumberingPlanInd	'000'B		ISDN numbering plan (E.164) 001
NIInd	'0'B		complete
AddrSignals	–		TSP_NB_A
Filler	–		

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_Calling_party_number_even_national_number

Structured Type : Calling_party_number

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_callingPartyNum		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NatureOfAddrInd	'0000011'B		national number
OddEven	'0'B		even
ScreeningInd	'01'B		user provided, verified and passed
AddrPresentRestInd	'00'B		presentation allowed
NumberingPlanInd	'001'B		ISDN numbering plan (E.164)
NIInd	'0'B		complete
AddrSignals	TSP_NB_A		
Filler	-		

Detailed Comments :

Structured Type Constraint Declaration			
Constraint Name : c_Calling_party_number_even_A_network_provided			
Structured Type : Calling_party_number			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_callingPartyNum		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NatureOfAddrInd	'0000011'B		national number
OddEven	'0'B		even
ScreeningInd	'11'B		network provided
AddrPresentRestInd	'00'B		presentation allowed
NumberingPlanInd	'001'B		ISDN numbering plan (E.164)
NIInd	'0'B		complete
AddrSignals	TSP_NB_A		
Filler	-		
Detailed Comments :			

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_callingPartyNum		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NatureOfAddrInd	'0000011'B		national number
OddEven	'0'B		even
ScreeningInd	'11'B		network provided
AddrPresentRestInd	'00'B		presentation allowed
NumberingPlanInd	'001'B		ISDN numbering plan (E.164)
NIInd	'0'B		complete
AddrSignals	TSP_NB_A		
Filler	-		

Structured Type Constraint Declaration

Constraint Name : c_Calling_party_number_even_own_country_without_prefix

Structured Type : Calling_party_number

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_callingPartyNum		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NatureOfAddrInd	'0000100'B		international number
OddEven	'0'B		even
ScreeningInd	'01'B		user provided, verified and passed
AddrPresentRestInd	'00'B		presentation allowed
NumberingPlanInd	'001'B		ISDN numbering plan (E.164)
NIInd	'0'B		complete
AddrSignals	TSC_CGPN_A_OWN_COUNTRY_CODE_WITHOUT_PREFIX		
Filler	-		

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_Calling_party_number_internat_even (val_CgPN: HEX_N)

Structured Type : Calling_party_number

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_callingPartyNum		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NatureOfAddrInd	'0000100'B		international number
OddEven	'0'B		even
ScreeningInd	'01'B		user provided, verified and passed
AddrPresentRestInd	'00'B		presentation allowed
NumberingPlanInd	'001'B		ISDN numbering plan (E.164)
NIInd	'0'B		complete
AddrSignals	val_CgPN		
Filler	-		

Detailed Comments :

Structured Type Constraint Declaration			
Constraint Name : c_Calling_partys_category			
Structured Type : Calling_partys_category			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
CallingPartysCategory	'00001010'B		Ordinary Calling Subscriber
Detailed Comments :			

Element Name	Element Value	Element Encoding	Comments
CallingPartysCategory	'00001010'B		Ordinary Calling Subscriber

Structured Type Constraint Declaration

Constraint Name : c_Cause_indicator_with_diags (loc : BIT_4 ; value : BIT_7 ; diags : OCT_N)

Structured Type : Cause_indicators

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_causeInd		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
Location	loc		
Spare	'0'B		
CodingStandard	'00'B		CCITT standardized coding
Ext1	'1'B		last octet
Reserved	–		
Ext1a	–		
CauseValue	value		
Ext2	'1'B		Extension indicator
Diagnostics	diags		

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_Cause_indicators

Structured Type : Cause_indicators

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_causeInd		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
Location	'0000'B		User
Spare	'0'B		
CodingStandard	'00'B		CCITT standardized coding
Ext1	'1'B		last octet
Reserved	–		
Ext1a	–		
CauseValue	'0010000'B		Normal call clearing
Ext2	'1'B		Extension indicator
Diagnostics	–		

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_Cause_indicators_cause_17_CCBS_not_possible

Structured Type : Cause_indicators

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_causeInd		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
Location	'????'B		Dont Care
Spare	'0'B		
CodingStandard	'00'B		CCITT standardized coding
Ext1	'1'B		last octet
Reserved	–		
Ext1a	–		
CauseValue	'0010001'B		User busy
Ext2	'1'B		Extension indicator
Diagnostics	'02'O		CCBS not Possible

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_Cause_indicators_cause_17_CCBS_not_possible_send

Structured Type : Cause_indicators

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_causeInd		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
Location	'????'B		Dont Care
Spare	'0'B		
CodingStandard	'00'B		CCITT standardized coding
Ext1	'1'B		last octet
Reserved	–		
Ext1a	–		
CauseValue	'0010001'B		User busy
Ext2	'1'B		Extension indicator
Diagnostics	'02'O		CCBS not Possible

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_Cause_indicators_cause_20

Structured Type : Cause_indicators

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_causeInd		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
Location	'0000'B		User
Spare	'0'B		
CodingStandard	'00'B		CCITT standardized coding
Ext1	'1'B		last octet
Reserved	–		
Ext1a	–		
CauseValue	'0010100'B		user busy
Ext2	'1'B		Extension indicator
Diagnostics	–		

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_Cause_indicators_cause_34_CCBS_not_possible

Structured Type : Cause_indicators

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_causeInd		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
Location	'????'B		Dont Care
Spare	'0'B		
CodingStandard	'00'B		CCITT standardized coding
Ext1	'1'B		last octet
Reserved	–		
Ext1a	–		
CauseValue	'0100010'B		No circuit available
Ext2	'1'B		Extension indicator
Diagnostics	'02'O		CCBS not Possible

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_Cause_indicators_cause_34_CCBS_not_possible_send

Structured Type : Cause_indicators

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_causeInd		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
Location	'????'B		Dont Care
Spare	'0'B		
CodingStandard	'00'B		CCITT standardized coding
Ext1	'1'B		last octet
Reserved	–		
Ext1a	–		
CauseValue	'0100010'B		No circuit available
Ext2	'1'B		Extension indicator
Diagnostics	'02'O		CCBS not Possible

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_Cause_indicators_Cause_value_111_protocol_error_unspecified

Structured Type : Cause_indicators

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_causeInd		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
Location	'????'B		Dont Care
Spare	'0'B		
CodingStandard	'00'B		CCITT standardized coding
Ext1	'1'B		last octet
Reserved	–		
Ext1a	–		
CauseValue	'1101111'B		No answer from user
Ext2	'1'B		Extension indicator
Diagnostics	–		

Detailed Comments :

Structured Type Constraint Declaration			
Constraint Name : c_Cic_par (CICnr: BIT_12)			
Structured Type : Circuit_identification_code			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
CIC	CICnr		
Spare	'0000'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : c_Conference_treatment_indicators			
Structured Type : Conference_treatment_indicators			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_conferenceTreatmentInd		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
ConfAcceptanceInd	'00'B		
Spare	'00000'B		
ExtensionInd	'0'B		
Detailed Comments :			

Structured Type Constraint Declaration

Constraint Name : c_Connected_number_not_available

Structured Type : Connected_number

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_connectedNum		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NatureOfAddrInd	'0000000'B		
OddEven	'0'B		
ScreeningInd	'11'B		Network provided
AddrPresentRestInd	'10'B		Address not available
NumberingPlanInd	'000'B		
Spare	'0'B		
AddrSignals	-		
Filler	-		

Detailed Comments :

Structured Type Constraint Declaration			
Constraint Name : c_Echo_control_information			
Structured Type : Echo_control_information			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_echoControlInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
OEchoRsl	'00'B		Outgoing half echo control device not included
IEchoRsl	'00'B		Incoming half echo control device not included
OEchoRql	'00'B		No information
IEchoRql	'00'B		No information
Detailed Comments :			

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_echoControlInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
OEchoRsl	'00'B		Outgoing half echo control device not included
IEchoRsl	'00'B		Incoming half echo control device not included
OEchoRql	'00'B		No information
IEchoRql	'00'B		No information

Structured Type Constraint Declaration			
Constraint Name : c_Event_information_Alerting			
Structured Type : Event_information			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
EventInd	'0000001'B		Alerting
EventPresentRestrInd	'0'B		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : c_Forward_call_indicators			
Structured Type : Forward_call_indicators			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
NatIntCallInd	'1'B		international call
EndToEndMethInd	'00'B		no end-to-end method available
InterworkInd	'0'B		no interworking encountered
EndToEndInfoInd	'0'B		no end-to-end information available
ISUPInd	'1'B		ISUP used all the way
ISUPPreferenceInd	'00'B		ISUP preferred all the way
ISDNAccessInd	'1'B		ISDN
SCCPMethodInd	'00'B		no indication
Spare	'0'B		
Reserved	'00'B		
VPNCallInd	'00'B		
Detailed Comments :			

Element Name	Element Value	Element Encoding	Comments
NatIntCallInd	'1'B		international call
EndToEndMethInd	'00'B		no end-to-end method available
InterworkInd	'0'B		no interworking encountered
EndToEndInfoInd	'0'B		no end-to-end information available
ISUPInd	'1'B		ISUP used all the way
ISUPPreferenceInd	'00'B		ISUP preferred all the way
ISDNAccessInd	'1'B		ISDN
SCCPMethodInd	'00'B		no indication
Spare	'0'B		
Reserved	'00'B		
VPNCallInd	'00'B		

Structured Type Constraint Declaration

Constraint Name : c_Forward_call_indicators_national_call

Structured Type : Forward_call_indicators

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
NatIntCallInd	'0'B		national call
EndToEndMethInd	'00'B		no end-to-end method available
InterworkInd	'0'B		no interworking encountered
EndToEndInfoInd	'0'B		no end-to-end information available
ISUPInd	'1'B		ISUP used all the way
ISUPPreferenceInd	'00'B		ISUP preferred all the way
ISDNAccessInd	'0'B		non-ISDN
SCCPMethodInd	'00'B		no indication
Spare	'0'B		
Reserved	'00'B		
VPNCallInd	'00'B		

Detailed Comments :

Structured Type Constraint Declaration			
Constraint Name : c_Generic_notification_indicator			
Structured Type : Generic_notification_indicator			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_genericNotificationInd		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NotificationInd	'1100000'B		Call is a waiting call
ExtInd	'1'B		Last octet
Detailed Comments :			

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_genericNotificationInd		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NotificationInd	'1100000'B		Call is a waiting call
ExtInd	'1'B		Last octet

Structured Type Constraint Declaration			
Constraint Name : c_Generic_notification_ind_call_diverting			
Structured Type : Generic_notification_indicator			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_genericNotificationInd		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NotificationInd	'1111011'B		Call is diverting
ExtInd	'1'B		Last octet
Detailed Comments :			

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_genericNotificationInd		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NotificationInd	'1111011'B		Call is diverting
ExtInd	'1'B		Last octet

Structured Type Constraint Declaration			
Constraint Name : c_Generic_notification_ind_ct_active			
Structured Type : Generic_notification_indicator			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_genericNotificationInd		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NotificationInd	'1101010'B		Call Transfer active
ExtInd	'1'B		Last octet
Detailed Comments :			

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_genericNotificationInd		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NotificationInd	'1101010'B		Call Transfer active
ExtInd	'1'B		Last octet

Structured Type Constraint Declaration

Constraint Name : c_Generic_number

Structured Type : Generic_number

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_genericNum		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NumQualifier	'00000101'B		Additional connected number
NatureOfAddrInd	'0000001'B		Subscriber number
Odd_Even	'0'B		even
ScreenigInd	'11'B		Network provided
AddrPresentRestInd	'00'B		Presentation Allowed
NumberingPlanInd	'001'B		ISDN numbering plan
NIInd	'0'B		
AddrSignals	TSC_CPN_INCO_B		
Filler	-		

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_Generic_number_addCngPN

Structured Type : Generic_number

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_genericNum		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NumQualifier	'00000110'B		Additional calling party number
NatureOfAddrInd	'0000001'B		Subscriber number
Odd_Even	'0'B		Even
ScreeningInd	'11'B		Network provided
AddrPresentRestInd	'00'B		Presentation Allowed
NumberingPlanInd	'001'B		ISDN numbering plan
NIInd	'0'B		
AddrSignals	TSP_NB_A		
Filler	-		

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_Generic_number_addCngPN_user_provided_failed

Structured Type : Generic_number

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_genericNum		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NumQualifier	'00000110'B		Additional connected number
NatureOfAddrInd	'0000011'B		National number
Odd_Even	'0'B		even
ScreenigInd	'10'B		User provided, not verified
AddrPresentRestInd	'00'B		Presentation Allowed
NumberingPlanInd	'001'B		ISDN numbering plan
NIInd	'0'B		
AddrSignals	TSP_NB_A		
Filler	-		

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_Generic_number_addCngPN_even_own_country_without_prefix

Structured Type : Generic_number

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_genericNum		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NumQualifier	'00000110'B		Additional calling party number
NatureOfAddrInd	'0000100'B		international number
Odd_Even	'0'B		Even
ScreeningInd	'11'B		Network provided
AddrPresentRestInd	'00'B		Presentation Allowed
NumberingPlanInd	'001'B		ISDN numbering plan
NIInd	'0'B		
AddrSignals	TSC_CGPN_A_OWN_COUNTRY_CODE_WITHOUT_PREFIX		
Filler	-		

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_Generic_number_national_add_calling_party_num

Structured Type : Generic_number

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_genericNum		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NumQualifier	'00000110'B		Additional calling party number
NatureOfAddrInd	'0000011'B		National number
Odd_Even	'0'B		even
ScreeningInd	'00'B		User provided, not verified
AddrPresentRestInd	'00'B		Presentation Allowed
NumberingPlanInd	'001'B		ISDN numbering plan
NIInd	'0'B		
AddrSignals	TSP_NB_A		
Filler	-		

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_Generic_number_national_add_calling_party_num_addr_not_avail

Structured Type : Generic_number

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_genericNum		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NumQualifier	'00000110'B		Additional calling party num.
NatureOfAddrInd	'0000011'B		National number
Odd_Even	'0'B		even
ScreenigInd	'00'B		User provided, not verified
AddrPresentRestInd	'10'B		Address not available
NumberingPlanInd	'001'B		ISDN numbering plan
NIInd	'0'B		
AddrSignals	–		TSP_NB_A
Filler	–		

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_Generic_number_national_user_provided_not_verified

Structured Type : Generic_number

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_genericNum		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NumQualifier	'00000101'B		Additional connected number
NatureOfAddrInd	'0000011'B		National number
Odd_Even	'0'B		even
ScreeningInd	'00'B		User provided, not verified
AddrPresentRestInd	'00'B		Presentation Allowed
NumberingPlanInd	'001'B		ISDN numbering plan
NIInd	'0'B		
AddrSignals	TSP_NB_A		
Filler	-		

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_Generic_number_national_user_provided_verified_failed

Structured Type : Generic_number

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_genericNum		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NumQualifier	'00000101'B		Additional connected number
NatureOfAddrInd	'0000011'B		National number
Odd_Even	'0'B		even
ScreeningInd	'10'B		User provided, not verified
AddrPresentRestInd	'00'B		Presentation Allowed
NumberingPlanInd	'001'B		ISDN numbering plan
NIInd	'0'B		
AddrSignals	TSP_NB_A		
Filler	-		

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_Generic_number_user_provided_not_verified_international_without_prefix

Structured Type : Generic_number

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_genericNum		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NumQualifier	'00000110'B		Additional calling party number
NatureOfAddrInd	'0000100'B		International number
Odd_Even	'0'B		even
ScreeningInd	'00'B		User provided, not verified
AddrPresentRestInd	'00'B		Presentation Allowed
NumberingPlanInd	'001'B		ISDN numbering plan
NIInd	'0'B		
AddrSignals	TSC_CGPN_A_INTERNATIONAL		
Filler	-		

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_International_calling_party_number_even_without_prefix_user_provided_passed

Structured Type : Calling_party_number

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_callingPartyNum		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NatureOfAddrInd	'0000100'B		international number
OddEven	'0'B		even
ScreeningInd	'01'B		user provided, verified and passed
AddrPresentRestInd	'00'B		presentation allowed
NumberingPlanInd	'001'B		ISDN numbering plan (E.164)
NIInd	'0'B		complete
AddrSignals	TSC_CGPN_A_INTERNATIONAL		
Filler	-		

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_International_call_transfer_number

Structured Type : Call_transfer_number

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_callTransferNumber		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NatureOfAddrInd	'0000100'B		international number
OddEvenInd	'0'B		Even indicator
ScreeningInd	'11'B		network provided
AddrPresRestrictionInd	'00'B		Presentation allowed
NumberingPlanInd	'001'B		ISDN numbering plan (E.164)
Spare	'0'B		
AddrSignals	TSC_INTERNATIONAL_CT_NUMBER_B		Call transfer number
Filler	-		

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_International_connected_number

Structured Type : Connected_number

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_connectedNum		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NatureOfAddrInd	'0000100'B		International Number
OddEven	'0'B		Even
ScreeningInd	'01'B		User provided, verified and passed
AddrPresentRestInd	'00'B		Presentation Allowed
NumberingPlanInd	'001'B		ISDN numbering plan (E.164)
Spare	'0'B		
AddrSignals	TSC_CON_B_INTERNATIONAL		International Connected Number
Filler	-		

Detailed Comments :

Structured Type Constraint Declaration			
Constraint Name : c_Message_compatibility_information			
Structured Type : Message_compatibility_information			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_messageCompatInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
TransitIntermedExchInd	'0'B		
ReleaseCallInd	'0'B		
SendNotificationInd	'0'B		
DiscardMessageInd	'0'B		
PassOnNotPossibleInd	'1'B		
Spare1	'00'B		
ExtInd1	'1'B		
Spare2	-		
ExtInd2	-		
Detailed Comments :			

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_messageCompatInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
TransitIntermedExchInd	'0'B		
ReleaseCallInd	'0'B		
SendNotificationInd	'0'B		
DiscardMessageInd	'0'B		
PassOnNotPossibleInd	'1'B		
Spare1	'00'B		
ExtInd1	'1'B		
Spare2	-		
ExtInd2	-		

Structured Type Constraint Declaration

Constraint Name : c_National_call_transfer_number

Structured Type : Call_transfer_number

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_callTransferNumber		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NatureOfAddrInd	'0000011'B		national number
OddEvenInd	'0'B		Even indicator
ScreeningInd	'11'B		network provided
AddrPresRestrictionInd	'00'B		Presentation allowed
NumberingPlanInd	'001'B		ISDN numbering plan (E.164)
Spare	'0'B		
AddrSignals	TSC_CT_NUMBER_B		Call transfer number
Filler	-		

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_National_connected_number

Structured Type : Connected_number

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_connectedNum		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NatureOfAddrInd	'0000011'B		national Number
OddEven	'0'B		Even
ScreeningInd	'01'B		User provided, verified and passed
AddrPresentRestInd	'00'B		Presentation Allowed
NumberingPlanInd	'001'B		ISDN numbering plan (E.164)
Spare	'0'B		
AddrSignals	TSC_CON_B_NATIONAL		National Connected Number
Filler	-		

Detailed Comments :

Structured Type Constraint Declaration			
Constraint Name : c_Nature_of_connection_indicators			
Structured Type : Nature_of_connection_indicators			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
SatelliteInd	'00'B		no satellite circuit in the connection
ContinuityCheckInd	'00'B		Continuity check not required
EchoControlDevInd	'0'B		outgoing half echo control device not included
Spare	'000'B		
Detailed Comments :			

Element Name	Element Value	Element Encoding	Comments
SatelliteInd	'00'B		no satellite circuit in the connection
ContinuityCheckInd	'00'B		Continuity check not required
EchoControlDevInd	'0'B		outgoing half echo control device not included
Spare	'000'B		

Structured Type Constraint Declaration			
Constraint Name : c_Nature_of_connection_indicators_outg_echo			
Structured Type : Nature_of_connection_indicators			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
SatelliteInd	'00'B		no satellite circuit in the connection
ContinuityCheckInd	'00'B		Continuity check not required
EchoControlDevInd	'1'B		outgoing half echo control device included
Spare	'000'B		
Detailed Comments :			

Element Name	Element Value	Element Encoding	Comments
SatelliteInd	'00'B		no satellite circuit in the connection
ContinuityCheckInd	'00'B		Continuity check not required
EchoControlDevInd	'1'B		outgoing half echo control device included
Spare	'000'B		

Structured Type Constraint Declaration			
Constraint Name : c_Nature_of_connection_indicators_no_outg_echo			
Structured Type : Nature_of_connection_indicators			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
SatelliteInd	'00'B		no satellite circuit in the connection
ContinuityCheckInd	'00'B		Continuity check not required
EchoControlDevInd	'0'B		outgoing half echo control device not included
Spare	'000'B		
Detailed Comments :			

Element Name	Element Value	Element Encoding	Comments
SatelliteInd	'00'B		no satellite circuit in the connection
ContinuityCheckInd	'00'B		Continuity check not required
EchoControlDevInd	'0'B		outgoing half echo control device not included
Spare	'000'B		

Structured Type Constraint Declaration

Constraint Name : c_Network_specific_facility

Structured Type : Network_specific_facility

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_netwSpecificFacility		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
LenOfNetwId	–		
NetworkIdPlan	–		
TypeofNetworkId	–		
One	–		
NetworkId	–		The first bit in the octet is Spare, meaning no octet should a value higher than 7F.
NetworkSpecificFacility	–		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : c_MCID_request_indicators			
Structured Type : MCID_request_indicators			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_MCIDReqInd		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
MCIDReqInd	'0'B		
HoldingInd	'0'B		
Spare	'000000'B		
Detailed Comments :			

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_MCIDReqInd		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
MCIDReqInd	'0'B		
HoldingInd	'0'B		
Spare	'000000'B		

Structured Type Constraint Declaration			
Constraint Name : c_MCID_request_indicators_RI_HO			
Structured Type : MCID_request_indicators			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_MCIDReqInd		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
MCIDReqInd	'1'B		
HoldingInd	'0'B		
Spare	'000000'B		
Detailed Comments :			

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_MCIDReqInd		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
MCIDReqInd	'1'B		
HoldingInd	'0'B		
Spare	'000000'B		

Structured Type Constraint Declaration			
Constraint Name : c_MCID_response_indicators			
Structured Type : MCID_response_indicators			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_MCIDRespInd		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
MCIDRespInd	'0'B		
HoldingProvInd	'0'B		
Spare	'000000'B		
Detailed Comments :			

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_MCIDRespInd		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
MCIDRespInd	'0'B		
HoldingProvInd	'0'B		
Spare	'000000'B		

Structured Type Constraint Declaration

Constraint Name : c_MCID_response_indicators_RI_HPI

Structured Type : MCID_response_indicators

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_MCIDRespInd		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
MCIDRespInd	'1'B		
HoldingProvInd	'0'B		
Spare	'000000'B		

Detailed Comments :

Structured Type Constraint Declaration			
Constraint Name : c_MCI_for_IDR Structured Type : Message_compatibility_information Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_messageCompatInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
TransitIntermedExchInd	'0'B		
ReleaseCallInd	'0'B		
SendNotificationInd	'0'B		
DiscardMessageInd	'0'B		
PassOnNotPossibleInd	'1'B		
Spare1	'00'B		
ExtInd1	'1'B		
Spare2	-		
ExtInd2	-		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : c_MCI_for_IRS Structured Type : Message_compatibility_information Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_messageCompatInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
TransitIntermedExchInd	'0'B		
ReleaseCallInd	'0'B		
SendNotificationInd	'0'B		
DiscardMessageInd	'0'B		
PassOnNotPossibleInd	'1'B		
Spare1	'00'B		
ExtInd1	'1'B		
Spare2	-		
ExtInd2	-		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : c_OBCI_CDmo			
Structured Type : Optional_backward_call_indicators			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_optBackwardCallInd		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
InBandInfoInd	'0'B		No Inband info
CallDiversionMayOccurInd	'1'B		Call Diversion may occur
SimpleSegmentationInd	'0'B		No Segmentation
Reserved	'000'B		
TimeSupervBeforeAnsInd	'0'B		
LastPartyRelInd	'0'B		
Detailed Comments :			

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_optBackwardCallInd		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
InBandInfoInd	'0'B		No Inband info
CallDiversionMayOccurInd	'1'B		Call Diversion may occur
SimpleSegmentationInd	'0'B		No Segmentation
Reserved	'000'B		
TimeSupervBeforeAnsInd	'0'B		
LastPartyRelInd	'0'B		

Structured Type Constraint Declaration			
Constraint Name : c_Optional_backward_call_indicators			
Structured Type : Optional_backward_call_indicators			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_optBackwardCallInd		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
InBandInfoInd	'0'B		
CallDiversionMayOccurInd	'1'B		
SimpleSegmentationInd	'0'B		
Reserved	'000'B		
TimeSupervBeforeAnsInd	'0'B		
LastPartyRelInd	'0'B		
Detailed Comments :			

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_optBackwardCallInd		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
InBandInfoInd	'0'B		
CallDiversionMayOccurInd	'1'B		
SimpleSegmentationInd	'0'B		
Reserved	'000'B		
TimeSupervBeforeAnsInd	'0'B		
LastPartyRelInd	'0'B		

Structured Type Constraint Declaration

Constraint Name : c_Optional_forward_call_indicators

Structured Type : Optional_forward_call_indicators

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_optForwardCallInd		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
CUGCallInd	'00'B		non-CUG call
SimpleSegmentationInd	'0'B		no additional information will be sent
Spare	'0000'B		
ConnLineReqInd	'0'B		not requested

Detailed Comments :

Structured Type Constraint Declaration			
Constraint Name : c_Optional_forward_call_indicators_COLP_request			
Structured Type : Optional_forward_call_indicators			
Derivation Path : c_Optional_forward_call_indicators.			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_optForwardCallInd		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
ConnLineReqInd	'1'B		COLP request
Detailed Comments :			

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_optForwardCallInd		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
ConnLineReqInd	'1'B		COLP request

Structured Type Constraint Declaration

Constraint Name : c_Original_called_number

Structured Type : Original_called_number

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_originalCalledNum		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NatureOfAddrInd	'0000100'B		International number
OddEven	'0'B		Even
Spare_1	'00'B		
AddrPresentRestInd	'00'B		
NumberingPlanInd	'001'B		ISDN numbering plan (E.164)
Spare_2	'0'B		
AddrSignals	TSC_CPN_INCO_B		
Filler	-		

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_Original_called_number_international_foreign_CC_send

Structured Type : Original_called_number

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_originalCalledNum		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NatureOfAddrInd	'0000100'B		International number
OddEven	'0'B		Even
Spare_1	'00'B		
AddrPresentRestInd	'00'B		Presentation Allowed
NumberingPlanInd	'001'B		ISDN numbering plan (E.164)
Spare_2	'0'B		
AddrSignals	TSC_CDIV_ORIGINAL_CALLED_NUMBER_INTERNATIONAL_FOR_EIGN_CC		
Filler	-		

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_Original_called_number_international_own_CC_send

Structured Type : Original_called_number

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_originalCalledNum		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NatureOfAddrInd	'0000100'B		Iterational number
OddEven	'0'B		Even
Spare_1	'00'B		
AddrPresentRestInd	'00'B		Presentation Allowed
NumberingPlanInd	'001'B		ISDN numbering plan (E.164)
Spare_2	'0'B		
AddrSignals	TSC_CDIV_ORIGINAL_CALLED_NUMBER_INTERNATIONAL_OW N_CC		
Filler	-		

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_Original_called_number_international_send

Structured Type : Original_called_number

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_originalCalledNum		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NatureOfAddrInd	'0000100'B		International number
OddEven	'0'B		Even
Spare_1	'00'B		
AddrPresentRestInd	'00'B		Presentation Allowed
NumberingPlanInd	'001'B		ISDN numbering plan (E.164)
Spare_2	'0'B		
AddrSignals	TSC_CDIV_ORIGINAL_CALLED_NUMBER_INTERNATIONAL_OW N_CC		
Filler	-		

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_Original_called_number_international_with_prefix_send

Structured Type : Original_called_number

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_originalCalledNum		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NatureOfAddrInd	'0000100'B		Iterational number
OddEven	'0'B		Even
Spare_1	'00'B		
AddrPresentRestInd	'00'B		Presentation Allowed
NumberingPlanInd	'001'B		ISDN numbering plan (E.164)
Spare_2	'0'B		
AddrSignals	TSC_CDIV_ORIGINAL_CALLED_NUMBER_INTERNATIONAL_WITH_PREFIX		
Filler	-		

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_Original_called_number_national_send

Structured Type : Original_called_number

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_originalCalledNum		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NatureOfAddrInd	'0000011'B		National number
OddEven	'0'B		Even
Spare_1	'00'B		
AddrPresentRestInd	'00'B		Presentation Allowed
NumberingPlanInd	'001'B		ISDN numbering plan (E.164)
Spare_2	'0'B		
AddrSignals	TSC_CDIV_ORIGINAL_CALLED_NUMBER_NATIONAL		
Filler	-		

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_PCI_for_cdiv_info_and_gen_notification_ind

Structured Type : Parameter_compatibility_information

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_parameterCompatInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
FirstUpgradParam	'00101100'B		Generic notification indicator in CDIV
InstructIndFirst	'1000000'B		all instruction indicators for parameter 1
ExtInd1	'1'B		Extension indicator
SecondUpgradParam	'00110110'B		Call Diversion
InstructIndSecond	'1000000'B		all instruction indicators for parameter 2
ExtInd2	'1'B		Extension indicator
ThirdUpgradParam	—		Upgraded Parameter 3
InstructIndThird	—		all instruction indicators for parameter 3
ExtInd3	—		
FourthUpgradParam	—		
InstructIndFourth	—		all instruction indicators for parameter 4
ExtInd4	—		

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Structured Type Constraint Declaration			
Element Name	Element Value	Element Encoding	Comments
FifthUpgradParam	-		all instruction indicators for parameter 5
InstructIndFifth	-		
ExtInd5	-		
Detailed Comments :			

Structured Type Constraint Declaration

Constraint Name : c_PCI_for_CTNb_and_generic_notification_indicator

Structured Type : Parameter_compatibility_information

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_parameterCompatInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
FirstUpgradParam	'01000101'B		Upgraded parameter call transfer number
InstructIndFirst	'1010000'B		all instruction indicators for parameter 1
ExtInd1	'1'B		Extension indicator
SecondUpgradParam	'00101100'B		Upgraded parameter for generic notification
InstructIndSecond	'1000000'B		all instruction indicators for parameter 2
ExtInd2	'1'B		Extension indicator
ThirdUpgradParam	—		
InstructIndThird	—		all instruction indicators for parameter 3
ExtInd3	—		
FourthUpgradParam	—		
InstructIndFourth	—		all instruction indicators for parameter 4
ExtInd4	—		

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Structured Type Constraint Declaration			
Element Name	Element Value	Element Encoding	Comments
FifthUpgradParam	-		all instruction indicators for parameter 5
InstructIndFifth	-		
ExtInd5	-		
Detailed Comments :			

Structured Type Constraint Declaration

Constraint Name : c_PCI_for_MCID_request_indicators

Structured Type : Parameter_compatibility_information

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_parameterCompatInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
FirstUpgradParam	'00111011'B		Upgraded parameter MCID request indicators
InstructIndFirst	'1010000'B		all instruction indicators for parameter 1
ExtInd1	'1'B		Extension indicator
SecondUpgradParam	—		Upgraded parameter 2
InstructIndSecond	—		all instruction indicators for parameter 2
ExtInd2	—		Extension indicator
ThirdUpgradParam	—		
InstructIndThird	—		all instruction indicators for parameter 3
ExtInd3	—		
FourthUpgradParam	—		
InstructIndFourth	—		all instruction indicators for parameter 4
ExtInd4	—		

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Structured Type Constraint Declaration			
Element Name	Element Value	Element Encoding	Comments
FifthUpgradParam	—		all instruction indicators for parameter 5
InstructIndFifth	—		
ExtInd5	—		
Detailed Comments :			

Structured Type Constraint Declaration

Constraint Name : c_PCI_for_MCID_response_indicators**Structured Type** : Parameter_compatibility_information**Derivation Path** :**Encoding Variation:****Comments** :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_parameterCompatInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
FirstUpgradParam	'00111100'B		Upgraded parameter MCID response indicators
InstructIndFirst	'1010000'B		all instruction indicators for parameter 1
ExtInd1	'1'B		Extension indicator
SecondUpgradParam	—		Upgraded parameter 2
InstructIndSecond	—		all instruction indicators for parameter 2
ExtInd2	—		Extension indicator
ThirdUpgradParam	—		
InstructIndThird	—		all instruction indicators for parameter 3
ExtInd3	—		
FourthUpgradParam	—		
InstructIndFourth	—		all instruction indicators for parameter 4
ExtInd4	—		

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Structured Type Constraint Declaration			
Element Name	Element Value	Element Encoding	Comments
FifthUpgradParam	–		all instruction indicators for parameter 5
InstructIndFifth	–		
ExtInd5	–		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : c_PCI_for_PDC_and_generic_number			
Structured Type : Parameter_compatibility_information			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_parameterCompatInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
FirstUpgradParam	'11000000'B		Upgraded parameter generic number
InstructIndFirst	'1010000'B		all instruction indicators for parameter 1
ExtInd1	'1'B		Extension indicator
Detailed Comments :			

Structured Type Constraint Declaration

Constraint Name : c_Parameter_compatibility_information**Structured Type** : Parameter_compatibility_information**Derivation Path** :**Encoding Variation:****Comments** :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_parameterCompatInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
FirstUpgradParam	'00110001'B		Upgraded parameter name
InstructIndFirst	'1010100'B		all instruction indicators for parameter 1
ExtInd1	'1'B		Extension indicator
SecondUpgradParam	–		
InstructIndSecond	–		all instruction indicators for parameter 2
ExtInd2	–		
ThirdUpgradParam	–		
InstructIndThird	–		all instruction indicators for parameter 3
ExtInd3	–		
FourthUpgradParam	–		
InstructIndFourth	–		all instruction indicators for parameter 4
ExtInd4	–		
FifthUpgradParam	–		

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Structured Type Constraint Declaration			
Element Name	Element Value	Element Encoding	Comments
InstructIndFifth	–		all instruction indicators for parameter 5
ExtInd5	–		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : c_Propagation_delay_counter			
Structured Type : Propagation_delay_counter			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_propDelayCounter		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
PropagationDelayValue	'0000'O		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : c_Redirecting_number Structured Type : Redirecting_number Derivation Path : Encoding Variation: Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_redirectingNum		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NatureOfAddrInd	'0000100'B		
OddEven	'0'B		
ScreeningInd	'01'B		User provided
AddrPresentRestInd	'00'B		
NumberingPlanInd	'001'B		ISDN numbering plan (E.164)
Spare	'0'B		
AddrSignals	TSC_CPN_OUTG		
Filler	-		
Detailed Comments :			

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_redirectingNum		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NatureOfAddrInd	'0000100'B		
OddEven	'0'B		
ScreeningInd	'01'B		User provided
AddrPresentRestInd	'00'B		
NumberingPlanInd	'001'B		ISDN numbering plan (E.164)
Spare	'0'B		
AddrSignals	TSC_CPN_OUTG		
Filler	-		

Structured Type Constraint Declaration

Constraint Name : c_Redirecting_number_international_foreign_CC_send

Structured Type : Redirecting_number

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_redirectingNum		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NatureOfAddrInd	'0000100'B		international number
OddEven	'0'B		
ScreeningInd	'00'B		There should be no screening indicator . This is a spare value.
AddrPresentRestInd	'00'B		Presentation Allowed
NumberingPlanInd	'001'B		ISDN numbering plan (E.164)
Spare	'0'B		
AddrSignals	TSC_CDIV_REDIRECTING_NUMBER_INTERNATIONAL_FOREIGN_CC		
Filler	-		

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_Redirecting_number_international_own_CC_send

Structured Type : Redirecting_number

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_redirectingNum		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NatureOfAddrInd	'0000100'B		international number
OddEven	'0'B		
ScreeningInd	'00'B		There should be no screening indicator . This is a spare value.
AddrPresentRestInd	'00'B		Presentation Allowed
NumberingPlanInd	'001'B		ISDN numbering plan (E.164)
Spare	'0'B		
AddrSignals	TSC_CDIV_REDIRECTING_NUMBER_INTERNATIONAL_OWN_CC		
Filler	-		

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_Redirecting_number_national

Structured Type : Redirecting_number

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_redirectingNum		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NatureOfAddrInd	'0000011'B		National number
OddEven	'0'B		
ScreeningInd	'00'B		There should be no screening indicator . This is a spare value.
AddrPresentRestInd	'00'B		Presentation Allowed
NumberingPlanInd	'001'B		ISDN numbering plan (E.164)
Spare	'0'B		
AddrSignals	'*'H		
Filler	-		

Detailed Comments :

Structured Type Constraint Declaration			
Constraint Name : c_Redirecting_number_national_ForeignCC_prefix			
Structured Type : Redirecting_number			
Derivation Path : c_Redirecting_number.			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_redirectingNum		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NatureOfAddrInd	'0000011'B		National
AddrSignals	TSC_RedirectingNumberForeignC C_prefix		
Detailed Comments :			

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_redirectingNum		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NatureOfAddrInd	'0000011'B		National
AddrSignals	TSC_RedirectingNumberForeignC C_prefix		

Structured Type Constraint Declaration

Constraint Name : c_Redirecting_number_national_send

Structured Type : Redirecting_number

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_redirectingNum		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NatureOfAddrInd	'0000011'B		National number
OddEven	'0'B		
ScreeningInd	'00'B		There should be no screening indicator . This is a spare value.
AddrPresentRestInd	'00'B		Presentation Allowed
NumberingPlanInd	'001'B		ISDN numbering plan (E.164)
Spare	'0'B		
AddrSignals	TSC_CDIV_REDIRECTING_NUMBER_NATIONAL		
Filler	-		

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_Redirection_information

Structured Type : Redirection_information

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_redirectionInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
RedirectionInd	'100'B		Call diversion, all redirection information presentation restricted
Spare1	'0'B		
OriginalRedirectionReason	'0000'B		Unknown / not available
RedirectionCounter	'001'B		Number of diversions the call has undergone
Spare2	'0'B		
RedirectingReason	'0000'B		Unknown / not available

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_Redirection_information_send (redirection_count : BIT_3)

Structured Type : Redirection_information

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_redirectionInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
RedirectionInd	'011'B		Call diversion
Spare1	'0'B		
OriginalRedirectionReason	'0000'B		Unknown
RedirectionCounter	redirection_count		Number of diversions the call has undergone
Spare2	'0'B		
RedirectingReason	'0000'B		Unknown

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_Redirection_number**Structured Type** : Redirection_number**Derivation Path** :**Encoding Variation:****Comments** :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_redirectionNum		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
NatureOfAddrInd	'0000100'B		
OddEven	'0'B		
Spare	'0000'B		
NumberingPlanInd	'001'B		
INNInd	'0'B		
AddrSignals	TSC_CPN_INCO_B		
Filler	-		

Detailed Comments :

Structured Type Constraint Declaration			
Constraint Name : c_Redirection_number_presentation_allowed			
Structured Type : Redirection_number_restriction			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_redirectNumRestriction		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
PresRestInd	'00'B		Allowed
Spare	'000000'B		
Detailed Comments :			

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_redirectNumRestriction		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
PresRestInd	'00'B		Allowed
Spare	'000000'B		

Structured Type Constraint Declaration			
Constraint Name : c_Redirection_number_restriction			
Structured Type : Redirection_number_restriction			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_redirectNumRestriction		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
PresRestInd	'00'B		
Spare	'000000'B		
Detailed Comments :			

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_redirectNumRestriction		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
PresRestInd	'00'B		
Spare	'000000'B		

Structured Type Constraint Declaration			
Constraint Name : c_Redirection_number_restriction_allowed			
Structured Type : Redirection_number_restriction			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_redirectNumRestriction		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
PresRestInd	'00'B		Allowed
Spare	'000000'B		
Detailed Comments :			

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_redirectNumRestriction		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
PresRestInd	'00'B		Allowed
Spare	'000000'B		

Structured Type Constraint Declaration

Constraint Name : c_Redirection_information_parCNT (redirection_count : BIT_3)

Structured Type : Redirection_information

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_redirectionInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
RedirectionInd	'011'B		Call diversion
Spare1	'0'B		
OriginalRedirectionReason	'????'B		Dont Care
RedirectionCounter	redirection_count		Number of diversions the call has undergone
Spare2	'0'B		
RedirectingReason	'????'B		Dont Care

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_Redirection_information_with_CFB

Structured Type : Redirection_information

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_redirectionInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
RedirectionInd	'011'B		Call diversion
Spare1	'0'B		
OriginalRedirectionReason	'0001'B		User busy
RedirectionCounter	'???'B		Number of diversions the call has undergone, Dont Care
Spare2	'0'B		
RedirectingReason	'0001'B		User busy

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_Redirection_information_with_CFB_send

Structured Type : Redirection_information

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_redirectionInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
RedirectionInd	'011'B		Call diversion
Spare1	'0'B		
OriginalRedirectionReason	'0001'B		Busy
RedirectionCounter	'001'B		Number of diversions the call has undergone
Spare2	'0'B		
RedirectingReason	'0001'B		User busy

Detailed Comments :

Structured Type Constraint Declaration			
Constraint Name : c_Redirection_information_with_CFNR			
Structured Type : Redirection_information			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_redirectionInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
RedirectionInd	'011'B		Call diversion
Spare1	'0'B		
OriginalRedirectionReason	'0010'B		No Reply
RedirectionCounter	'???'B		Number of diversions the call has undergone, Dont Care
Spare2	'0'B		
RedirectingReason	'0010'B		No Reply
Detailed Comments :			

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_redirectionInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
RedirectionInd	'011'B		Call diversion
Spare1	'0'B		
OriginalRedirectionReason	'0010'B		No Reply
RedirectionCounter	'???'B		Number of diversions the call has undergone, Dont Care
Spare2	'0'B		
RedirectingReason	'0010'B		No Reply

Structured Type Constraint Declaration			
Constraint Name : c_Redirection_information_with_CFNR_send			
Structured Type : Redirection_information			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_redirectionInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
RedirectionInd	'011'B		Call diversion
Spare1	'0'B		
OriginalRedirectionReason	'0010'B		No Reply
RedirectionCounter	'001'B		Number of diversions the call has undergone
Spare2	'0'B		
RedirectingReason	'0010'B		No Reply
Detailed Comments :			

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_redirectionInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
RedirectionInd	'011'B		Call diversion
Spare1	'0'B		
OriginalRedirectionReason	'0010'B		No Reply
RedirectionCounter	'001'B		Number of diversions the call has undergone
Spare2	'0'B		
RedirectingReason	'0010'B		No Reply

Structured Type Constraint Declaration

Constraint Name : c_Redirection_information_with_CFNRc

Structured Type : Redirection_information

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_redirectionInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
RedirectionInd	'011'B		Call diversion
Spare1	'0'B		
OriginalRedirectionReason	'0110'B		Mobile Subscriber Not Reachable
RedirectionCounter	'???'B		Number of diversions the call has undergone, Dont Care
Spare2	'0'B		
RedirectingReason	'0010'B		No Reply

Detailed Comments :

Structured Type Constraint Declaration

Constraint Name : c_Redirection_information_with_CFNRc_send

Structured Type : Redirection_information

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_redirectionInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
RedirectionInd	'011'B		Call diversion
Spare1	'0'B		
OriginalRedirectionReason	'0110'B		Mobile Subscriber Not Reachable
RedirectionCounter	'001'B		Number of diversions the call has undergone, Dont Care
Spare2	'0'B		
RedirectingReason	'0010'B		No Reply

Detailed Comments :

Structured Type Constraint Declaration			
Constraint Name : c_Redirection_information_with_CFU			
Structured Type : Redirection_information			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_redirectionInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
RedirectionInd	'011'B		Call diversion
Spare1	'0'B		
OriginalRedirectionReason	'0011'B		Unconditional
RedirectionCounter	'???'B		Number of diversions the call has undergone
Spare2	'0'B		
RedirectingReason	'0011'B		Unconditional
Detailed Comments :			

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_redirectionInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
RedirectionInd	'011'B		Call diversion
Spare1	'0'B		
OriginalRedirectionReason	'0011'B		Unconditional
RedirectionCounter	'???'B		Number of diversions the call has undergone
Spare2	'0'B		
RedirectingReason	'0011'B		Unconditional

Structured Type Constraint Declaration

Constraint Name : c_Redirection_information_with_CFU_send

Structured Type : Redirection_information

Derivation Path :

Encoding Variation:

Comments :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_redirectionInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
RedirectionInd	'011'B		Call diversion
Spare1	'0'B		
OriginalRedirectionReason	'0011'B		Unconditional
RedirectionCounter	'001'B		Number of diversions the call has undergone
Spare2	'0'B		
RedirectingReason	'0011'B		Unconditional

Detailed Comments :

Structured Type Constraint Declaration			
Constraint Name : c_Remote_operations			
Structured Type : Remote_operations			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_remoteOperations		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
RemOp_contents	-		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : c_Signalling_point_code			
Structured Type : Signalling_point_code			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_accessDeliveryInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
SPC_contents	-		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : c_Service_activation			
Structured Type : Service_activation			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_serviceActivation		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
ServAct_contents	-		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : c_Transmission_medium_requirement_3_1khz_audio			
Structured Type : Transmission_medium_requirement			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
TMR_field	'00000011'B		3.1 khz audio
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : c_Transmission_medium_requirement_64kbit_unrestricted			
Structured Type : Transmission_medium_requirement			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
TMR_field	'00000010'B		64 kbit/s unrestricted
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : c_Transmission_medium_requirement_speech			
Structured Type : Transmission_medium_requirement			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
TMR_field	'00000000'B		Speech
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : c_Transmission_medium_used			
Structured Type : Transmission_medium_used			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_transMediumUsed		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
TMU_field	'00000000'B		Speech
Detailed Comments :			

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_transMediumUsed		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
TMU_field	'00000000'B		Speech

Structured Type Constraint Declaration

Constraint Name : c_User_service_information**Structured Type** : User_service_information**Derivation Path** :**Encoding Variation:****Comments** :

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_userServiceInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
InfTrC	'00000'B		Speech
CodS	'00'B		CCITT standardized coding
Extl_1	'1'B		
InfTR	'10000'B		64 kbit/s
TrMod	'00'B		Circuit mode
Extl_2	'1'B		
RatMul	–		
Extl_3	–		
UInf1	'00011'B		G.711 A-law
Lay1	'01'B		
Extl_4	'1'B		last octet for Layer 1
UsrRate	–		
Negot	–		
SynAsyn	–		
Extl_5	–		
Spare_1	–		

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Structured Type Constraint Declaration			
Element Name	Element Value	Element Encoding	Comments
FICtrRx	-		
FICtrTx	-		
NICRx	-		
NICTx	-		
IntRate	-		
Extl_6	-		
Spare_2	-		
InBndNeg	-		
Ass	-		
LLINeg	-		
Mode	-		
MultFr	-		
Hdr	-		
Extl_7	-		
Prty	-		
NDatBit	-		
NStpBit	-		
Extl_8	-		
MdmTyp	-		
DupMod	-		
Extl_9	-		
UInf2	-		
Lay2	-		

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Structured Type Constraint Declaration			
Element Name	Element Value	Element Encoding	Comments
Extl_10	-		
UInf3	-		
Lay3	-		
Extl_11	-		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : c_User_to_user_indicators			
Structured Type : User_to_user_indicators			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_userToUserInd		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
Type	-		
Service1	-		
Service2	-		
Service3	-		
NetworkDiscardInd	-		
Detailed Comments :			

Structured Type Constraint Declaration			
Constraint Name : c_User_to_user_information			
Structured Type : User_to_user_information			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_userToUserInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
UserInfo	'48616C6C646F722C204E6F726 265727420616E64204D6972636 561207769736820796F75206120 676F6F642074657374696E672E' O		
Detailed Comments :			

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_userToUserInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
UserInfo	'48616C6C646F722C204E6F726 265727420616E64204D6972636 561207769736820796F75206120 676F6F642074657374696E672E' O		

Structured Type Constraint Declaration			
Constraint Name : c_User_to_user_information_36_oct			
Structured Type : User_to_user_information			
Derivation Path :			
Encoding Variation:			
Comments :			
Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_userToUserInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
UserInfo	'48616C6C646F722C204E6F726 26572742061'O		
Detailed Comments :			

Element Name	Element Value	Element Encoding	Comments
parameter_type	TSC_userToUserInfo		Parameter name
length	TSO_CALC_PAR_LENGTH()		Length indicator of parameter
UserInfo	'48616C6C646F722C204E6F726 26572742061'O		

ASP Constraint Declaration		
Constraint Name : A_receive (pducon:PDU)		
ASP Type : M_TRANSFERind		
Derivation Path :		
Comments : Receiving constraint for A-side of SUT.		
Parameter Name	Parameter Value	Comments
sio	TSO_CONCAT_OCT(TSP_NI_L,'000101'B)	
opc	BIT_TO_INT(TSP_SPA_L)	
dpc	BIT_TO_INT(TSP_SPC)	
sls	?	
data	pducon	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_send (pducon:PDU)		
ASP Type : M_TRANSFERreq		
Derivation Path :		
Comments : Sending constraint for A-side of SUT.		
Parameter Name	Parameter Value	Comments
sio	TSO_CONCAT_OCT(TSP_NI_L,'000101'B)	
opc	BIT_TO_INT(TSP_SPC)	
dpc	BIT_TO_INT(TSP_SPA_L)	
sls	TSP_SLS_L	
data	pducon	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : B_receive (pducon:PDU)		
ASP Type : M_TRANSFERind		
Derivation Path :		
Comments : Receiving constraint for B-side of SUT.		
Parameter Name	Parameter Value	Comments
sio	TSO_CONCAT_OCT(TSP_NI_R,'000101'B)	
opc	BIT_TO_INT(TSP_SPA_R)	
dpc	BIT_TO_INT(TSP_SPB)	
sls	?	
data	pducon	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : B_send (pducon:PDU)		
ASP Type : M_TRANSFERreq		
Derivation Path :		
Comments : Sending constraint for B-side of SUT.		
Parameter Name	Parameter Value	Comments
sio	TSO_CONCAT_OCT(TSP_NI_R,'000101'B)	
opc	BIT_TO_INT(TSP_SPB)	
dpc	BIT_TO_INT(TSP_SPA_R)	
sls	TSP_SLS_R	
data	pducon	
Detailed Comments :		

ASN.1 PDU Constraint Declaration									
Constraint Name	: ACM_r_BA_Call_diversion_mob_subscr_not_reachable(CICnr: BIT_12)								
PDU Type	: ACM								
Derivation Path	: ACM_o.								
Encoding Rule Name	:								
Encoding Variation	:								
Comments	:								
Constraint Value									
REPLACE acmOptionals BY { <table style="margin-left: 40px; border: none;"> <tr> <td style="padding-right: 20px;">genericNotificationInd</td> <td>c_Generic_notification_ind_call_diverting,</td> </tr> <tr> <td>redirectionNum</td> <td>c_Redirection_number,</td> </tr> <tr> <td>paramCompatibilityInfo</td> <td>c_PCI_for_cdiv_info_and_gen_notification_ind,</td> </tr> <tr> <td>callDiversionInfo</td> <td>c_Call_diversion_information_mobile_subscriber_not_reachable</td> </tr> </table> }		genericNotificationInd	c_Generic_notification_ind_call_diverting,	redirectionNum	c_Redirection_number,	paramCompatibilityInfo	c_PCI_for_cdiv_info_and_gen_notification_ind,	callDiversionInfo	c_Call_diversion_information_mobile_subscriber_not_reachable
genericNotificationInd	c_Generic_notification_ind_call_diverting,								
redirectionNum	c_Redirection_number,								
paramCompatibilityInfo	c_PCI_for_cdiv_info_and_gen_notification_ind,								
callDiversionInfo	c_Call_diversion_information_mobile_subscriber_not_reachable								
Detailed Comments :									

ASN.1 PDU Constraint Declaration	
Constraint Name	: ACM_r_BA_inc_echo_control_dev_incl (CICnr: BIT_12)
PDU Type	: ACM
Derivation Path	: ACM_o.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE backwardCallInd BY c_Backward_call_indicators_inc_echo_included	
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: ACM_r_BA_inc_echo_control_dev_not_incl (CICnr: BIT_12)
PDU Type	: ACM
Derivation Path	: ACM_o.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE backwardCallInd BY c_Backward_call_indicators_inc_echo_not_included	
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: ACM_r_BA_With_OBCI_CDmo (CICnr: BIT_12)
PDU Type	: ACM
Derivation Path	: ACM_o.
Encoding Rule Name	:
Encoding Variation	:
Comments	: ACM with Optional BCI as Call Diversion may occur.
Constraint Value	
REPLACE backwardCallInd BY c_BCI_called_status_no_indication_charge_no_indication , REPLACE acmOptionals BY { optBackwardCallInd c_OBCI_CDmo } }	
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: ACM_s_BA_Call_diversion_mob_subscr_not_reachable (CICnr: BIT_12)
PDU Type	: ACM
Derivation Path	: ACM_m.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
<pre> REPLACE acmOptionals BY { callDiversionInfo c_Call_diversion_information_mobile_subscriber_not_reachable } </pre>	
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: ACM_s_BA_inc_echo_control_dev_incl (CICnr: BIT_12)
PDU Type	: ACM
Derivation Path	: ACM_m.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
<pre> REPLACE backwardCallInd BY c_Backward_call_indicators_inc_echo_included </pre>	
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: ACM_s_BA_inc_echo_control_dev_not_incl (CICnr: BIT_12)
PDU Type	: ACM
Derivation Path	: ACM_m.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE backwardCallInd BY c_Backward_call_indicators_inc_echo_not_included	
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: ANM_r_BA_International_connected_number (CICnr: BIT_12)
PDU Type	: ANM
Derivation Path	: ANM_o.
Encoding Rule Name	:
Encoding Variation	:
Comments	: Connected number received
Constraint Value	
REPLACE anmOptionals BY { connectedNum c_International_connected_number }	
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: CON_s_BA_National_connected_number (CICnr: BIT_12)
PDU Type	: CON
Derivation Path	: CON_o.
Encoding Rule Name	:
Encoding Variation	:
Comments	: Connected number sent
Constraint Value	
REPLACE conOptionals BY { connectedNum c_National_connected_number }	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: CPG_r_BA_Call_diversion_mobile_subscr_not_reachable (CICnr:BIT_12)
PDU Type	: CPG
Derivation Path	: CPG_o.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE cpgOptionals	BY { genericNotificationInd c_Generic_notification_ind_call_diverting, redirectionNum c_Redirection_number, paramCompatibilityInfo c_PCI_for_cdiv_info_and_gen_notification_ind, callDiversionInfo c_Call_diversion_information_mobile_subscriber_not_reachable } }
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: CPG_r_BA_International_call_transfer_number_and_generic_notification_ind_ct_active (CICnr:BIT_12)
PDU Type	: CPG
Derivation Path	: CPG_o.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE cpgOptionals	BY { genericNotificationInd c_Generic_notification_ind_ct_active, paramCompatibilityInfo c_PCI_for_CTNb_and_generic_notification_indicator, callTransferNumber c_International_call_transfer_number }
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: CPG_s_BA_National_call_transfer_number_and_generic_notification_ind_ct_active (CICnr:BIT_12)
PDU Type	: CPG
Derivation Path	: CPG_o.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE cpgOptionals	BY { genericNotificationInd c_Generic_notification_ind_ct_active , paramCompatibilityInfo c_PCI_for_CTNb_and_generic_notification_indicator, callTransferNumber c_National_call_transfer_number }
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: FAC_o (CICnr:BIT_12)
PDU Type	: FAC
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	: Basic constraint for FAC with all optional parameters defined in PDU type definition (may contain more paramaters than ISUP 4.2)
Constraint Value	
<pre> { cic c_Cic_par(CICnr) , messageType TSC_msgFAC , opt_part_ptr '01'O, facOptionals { messageCompatibilityInfo c_Message_compatibility_information , paramCompatibilityInfo c_Parameter_compatibility_information , remoteOperations c_Remote_operations, serviceActivation c_Service_activation, callTransferNumber c_Call_transfer_number, accessTransport c_Access_transport , genericNotificationInd c_Generic_notification_indicator } , endOfOp TSC_EOP } </pre>	
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: FAC_r_BA_International_call_transfer_number_and_generic_notification_ind_ct_active (CICnr:BIT_12)
PDU Type	: FAC
Derivation Path	: FAC_o.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE facOptionals	BY { paramCompatibilityInfo c_PCI_for_CTNb_and_generic_notification_indicator , callTransferNumber c_International_call_transfer_number , genericNotificationInd c_Generic_notification_ind_ct_active }
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: FAC_s_BA_National_call_transfer_number_and_generic_notification_ind_ct_active (CICnr:BIT_12)
PDU Type	: FAC
Derivation Path	: FAC_o.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE facOptionals	BY { paramCompatibilityInfo c_PCI_for_CTNb_and_generic_notification_indicator , callTransferNumber c_National_call_transfer_number , genericNotificationInd c_Generic_notification_ind_ct_active }
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_r_AB_COLP_in_optional_forward_call_indicator (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_r.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE forwardCallInd REPLACE transmissionMediumReq REPLACE iamOptionals }	BY c_Forward_call_indicators_national_call , BY c_Transmission_medium_requirement_3_1khz_audio , BY { callingPartyNum c_Calling_party_number_internat_even (TSP_NB_B) IF_PRESENT, optForwardCallInd c_Optional_forward_call_indicators_COLP_request , propDelayCounter c_Propagation_delay_counter IF_PRESENT, paramCompatibilityInfo c_Parameter_compatibility_information IF_PRESENT }
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_r_AB_Calling_party_number_own_country_without_prefix (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_r.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE forwardCallInd	BY c_Forward_call_indicators_national_call ,
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio ,
REPLACE iamOptionals	BY {
callingPartyNum	c_Calling_party_number_even_own_country_without_prefix ,
propDelayCounter	c_Propagation_delay_counter IF_PRESENT,
paramCompatibilityInfo	c_Parameter_compatibility_information IF_PRESENT
	}
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_r_AB_outg_echo_control_dev_included (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_r.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio ,
REPLACE natureOfConnInd	BY c_Nature_of_connection_indicators_outg_echo,
REPLACE iamOptionals	BY {
callingPartyNum	c_Calling_party_number_internat_even (TSP_NB_B) IF_PRESENT,
propDelayCounter	c_Propagation_delay_counter IF_PRESENT,
paramCompatibilityInfo	c_Parameter_compatibility_information IF_PRESENT
	}
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_r_AB_outg_echo_control_dev_included_64kbit (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_r.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_64kbit_unrestricted ,
REPLACE natureOfConnInd	BY c_Nature_of_connection_indicators_outg_echo,
REPLACE iamOptionals	BY {
	callingPartyNum c_Calling_party_number_internat_even (TSP_NB_B) IF_PRESENT,
	propDelayCounter c_Propagation_delay_counter IF_PRESENT,
	paramCompatibilityInfo c_Parameter_compatibility_information IF_PRESENT
	}
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_r_AB_outg_echo_control_dev_not_included (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_r.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio ,
REPLACE natureOfConnInd	BY c_Nature_of_connection_indicators_no_outg_echo,
REPLACE iamOptionals	BY {
callingPartyNum	c_Calling_party_number_internat_even (TSP_NB_B) IF_PRESENT,
propDelayCounter	c_Propagation_delay_counter IF_PRESENT,
paramCompatibilityInfo	c_Parameter_compatibility_information IF_PRESENT
	}
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_r_AB_outg_echo_control_dev_not_included_64kbit (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_r.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_64kbit_unrestricted ,
REPLACE natureOfConnInd	BY c_Nature_of_connection_indicators_no_outg_echo,
REPLACE iamOptionals	BY {
	callingPartyNum c_Calling_party_number_internat_even (TSP_NB_B) IF_PRESENT,
	propDelayCounter c_Propagation_delay_counter IF_PRESENT,
	paramCompatibilityInfo c_Parameter_compatibility_information IF_PRESENT
	}
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_r_AB_Generic_number (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_r.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio ,
REPLACE iamOptionals	BY {
callingPartyNum	c_Calling_party_number_internat_even (TSP_NB_B) IF_PRESENT,
genericNum	c_Generic_number_national_user_provided_not_verified ,
propDelayCounter	c_Propagation_delay_counter IF_PRESENT,
paramCompatibilityInfo	c_Parameter_compatibility_information IF_PRESENT
	}
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_r_AB_International_calling_party_number_without_prefix (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_r.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE forwardCallInd	BY c_Forward_call_indicators_national_call ,
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio ,
REPLACE iamOptionals	BY {
	callingPartyNum c_International_calling_party_number_even_without_prefix_user_provided_passed,
	propDelayCounter c_Propagation_delay_counter IF_PRESENT,
	paramCompatibilityInfo c_Parameter_compatibility_information IF_PRESENT
	}
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_r_AB_International_generic_number_without_prefix (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_r.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE forwardCallInd	BY c_Forward_call_indicators_national_call ,
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio ,
REPLACE iamOptionals	BY {
callingPartyNum	c_Calling_party_number_even_A_network_provided,
genericNum	c_Generic_number_user_provided_not_verified_international_without_prefix,
propDelayCounter	c_Propagation_delay_counter IF_PRESENT,
paramCompatibilityInfo	c_PCI_for_PDC_and_generic_number IF_PRESENT
	}
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_r_AB_International_CgPN_and_GenNb_addCgPN (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_r.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE forwardCallInd	BY c_Forward_call_indicators_national_call ,
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio ,
REPLACE iamOptionals	BY {
callingPartyNum	c_International_calling_party_number_even_without_prefix_user_provided_passed,
genericNum	c_Generic_number_user_provided_not_verified_international_without_prefix,
propDelayCounter	c_Propagation_delay_counter IF_PRESENT,
paramCompatibilityInfo	c_PCI_for_PDC_and_generic_number IF_PRESENT
	}
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_r_AB_INN_ind_routing_allowed (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_r.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE	calledPartyNum BY c_Called_party_number_INN_allowed,
REPLACE iamOptionals	BY {
	callingPartyNum c_Calling_party_number_internat_even (TSP_NB_B)
	}
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_r_AB_INN_ind_routing_not_allowed (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_r.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE calledPartyNum	BY c_Called_party_number_INN_not_allowed,
REPLACE iamOptionals	BY {
	callingPartyNum c_Calling_party_number_internat_even (TSP_NB_B)
	}
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_r_AB_INN_ind_routing_allowed_MS RN (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_r.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE calledPartyNum	BY c_Called_party_number_INN_allowed_MS RN ,
REPLACE iamOptionals	BY {
	callingPartyNum c_Calling_party_number_internat_even (TSP_NB_B)
	}
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_r_AB_INN_ind_routing_not_allowed_MS RN (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_r.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE	calledPartyNum BY c_Called_party_number_INN_not_allowed_MS RN,
REPLACE	iamOptionals BY {
	callingPartyNum c_Calling_party_number_internat_even (TSP_NB_B)
	}
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_r_AB_no_Calling_party_number (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_r.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE forwardCallInd REPLACE transmissionMediumReq REPLACE iamOptionals	BY c_Forward_call_indicators_national_call , BY c_Transmission_medium_requirement_3_1khz_audio , BY { callingPartyNum OMIT, propDelayCounter c_Propagation_delay_counter IF_PRESENT, paramCompatibilityInfo c_Parameter_compatibility_information IF_PRESENT }
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_r_AB_no_redirection_information (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_r.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE iamOptionals	BY { callingPartyNum c_Calling_party_number_internat_even (TSP_NB_B) IF_PRESENT, redirectionInfo OMIT }
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_r_AB_USI_added (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_r.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE iamOptionals	BY { callingPartyNum c_Calling_party_number_internat_even (TSP_NB_B) IF_PRESENT, userServiceInfo c_User_service_information }
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_r_BA (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_r.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE forwardCallInd	BY c_Forward_call_indicators_national_call ,
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio ,
REPLACE iamOptionals	BY {
	callingPartyNum c_Calling_party_number_internat_even (TSP_NB_B) ,
	propDelayCounter c_Propagation_delay_counter IF_PRESENT,
	paramCompatibilityInfo c_Parameter_compatibility_information IF_PRESENT
	}
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name : IAM_r_BA_Access_transport (CICnr: BIT_12)	
PDU Type : IAM	
Derivation Path : IAM_r.	
Encoding Rule Name :	
Encoding Variation :	
Comments :	
Constraint Value	
REPLACE forwardCallInd	BY c_Forward_call_indicators_national_call ,
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio ,
REPLACE iamOptionals	BY {
callingPartyNum	c_Calling_party_number_internat_even (TSP_NB_B) ,
propDelayCounter	c_Propagation_delay_counter IF_PRESENT,
paramCompatibilityInfo	c_Parameter_compatibility_information IF_PRESENT
	}
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_r_BA_After_redirection_CFB_with_international_original_called_number (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_r.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE forwardCallInd	BY c_Forward_call_indicators_national_call ,
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio ,
REPLACE iamOptionals	BY {
	callingPartyNum c_Calling_party_number_internat_even (TSP_NB_B) IF_PRESENT,
	redirectingNum c_Redirecting_number_international_foreign_CC_send ,
	redirectionInfo c_Redirection_information_with_CFB ,
	originalCalledNum c_Original_called_number_international_send ,
	propDelayCounter c_Propagation_delay_counter IF_PRESENT,
	paramCompatibilityInfo c_Parameter_compatibility_information IF_PRESENT
	}
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_r_BA_After_redirection_CFNR_with_international_original_called_number (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_r.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE forwardCallInd	BY c_Forward_call_indicators_national_call ,
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio ,
REPLACE iamOptionals	BY {
callingPartyNum	c_Calling_party_number_internat_even (TSP_NB_B) IF_PRESENT,
redirectingNum	c_Redirecting_number_international_foreign_CC_send ,
redirectionInfo	c_Redirection_information_with_CFNR ,
originalCalledNum	c_Original_called_number_international_send ,
propDelayCounter	c_Propagation_delay_counter IF_PRESENT,
paramCompatibilityInfo	c_Parameter_compatibility_information IF_PRESENT
	}
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_r_BA_After_redirection_CFNRc_with_international_original_called_number (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_r.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE forwardCallInd	BY c_Forward_call_indicators_national_call ,
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio ,
REPLACE iamOptionals	BY {
callingPartyNum	c_Calling_party_number_internat_even (TSP_NB_B) IF_PRESENT,
redirectingNum	c_Redirecting_number_international_foreign_CC_send ,
redirectionInfo	c_Redirection_information_with_CFNRc ,
originalCalledNum	c_Original_called_number ,
propDelayCounter	c_Propagation_delay_counter IF_PRESENT,
paramCompatibilityInfo	c_Parameter_compatibility_information IF_PRESENT
	}
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_r_BA_After_redirection_CFU_with_international_original_called_number (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_r.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE forwardCallInd	BY c_Forward_call_indicators_national_call ,
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio ,
REPLACE iamOptionals	BY {
callingPartyNum	c_Calling_party_number_internat_even (TSP_NB_B) IF_PRESENT,
redirectingNum	c_Redirecting_number_international_foreign_CC_send ,
redirectionInfo	c_Redirection_information_with_CFU ,
originalCalledNum	c_Original_called_number_international_send ,
propDelayCounter	c_Propagation_delay_counter IF_PRESENT,
paramCompatibilityInfo	c_Parameter_compatibility_information IF_PRESENT
	}
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_r_BA_After_redirection_with_international_original_called_number_with_prefix (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_r.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE forwardCallInd	BY c_Forward_call_indicators_national_call ,
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio ,
REPLACE iamOptionals	BY {
callingPartyNum	c_Calling_party_number_internat_even (TSP_NB_B) IF_PRESENT,
redirectingNum	c_Redirecting_number_international_foreign_CC_send ,
redirectionInfo	c_Redirection_information_parCNT (INT_TO_BIT(3,3)) ,
originalCalledNum	c_Original_called_number_international_with_prefix_send ,
propDelayCounter	c_Propagation_delay_counter IF_PRESENT,
paramCompatibilityInfo	c_Parameter_compatibility_information IF_PRESENT
	}
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_r_BA_After_redirection_with_international_redirecting_number (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_r.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE forwardCallInd	BY c_Forward_call_indicators_national_call ,
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio ,
REPLACE iamOptionals	BY {
callingPartyNum	c_Calling_party_number_internat_even (TSP_NB_B) IF_PRESENT,
redirectingNum	c_Redirecting_number_international_own_CC_send ,
redirectionInfo	c_Redirection_information_parCNT (INT_TO_BIT(3,3)),
originalCalledNum	c_Original_called_number_national_send ,
propDelayCounter	c_Propagation_delay_counter IF_PRESENT,
paramCompatibilityInfo	c_Parameter_compatibility_information IF_PRESENT
	}
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_r_AB_After_redirection_with_national_original_called_number (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_r.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE forwardCallInd	BY c_Forward_call_indicators_national_call ,
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio ,
REPLACE iamOptionals	BY {
callingPartyNum	c_Calling_party_number_internat_even (TSP_NB_B) IF_PRESENT,
redirectingNum	c_Redirecting_number_national_send ,
redirectionInfo	c_Redirection_information_parCNT (INT_TO_BIT(3,3)),
originalCalledNum	c_Original_called_number_national_send ,
propDelayCounter	c_Propagation_delay_counter IF_PRESENT,
paramCompatibilityInfo	c_Parameter_compatibility_information IF_PRESENT
	}
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name : IAM_r_BA_bearer_capability (CICnr: BIT_12)	
PDU Type : IAM	
Derivation Path : IAM_r.	
Encoding Rule Name :	
Encoding Variation :	
Comments :	
Constraint Value	
REPLACE forwardCallInd	BY c_Forward_call_indicators_national_call ,
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio ,
REPLACE iamOptionals	BY {
callingPartyNum	c_Calling_party_number_internat_even (TSP_NB_B) ,
propDelayCounter	c_Propagation_delay_counter IF_PRESENT,
paramCompatibilityInfo	c_Parameter_compatibility_information IF_PRESENT
	}
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_r_BA_FCI_international (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_r.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE iamOptionals	BY { callingPartyNum c_Calling_party_number_internat_even (TSP_NB_B) IF_PRESENT }
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_r_BA_GenNb_addCngPn (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_r.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE forwardCallInd	BY c_Forward_call_indicators_national_call ,
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio ,
REPLACE iamOptionals	BY {
callingPartyNum	c_Calling_party_number_internat_even (TSP_NB_B) IF_PRESENT,
genericNum	c_Generic_number_addCngPN,
propDelayCounter	c_Propagation_delay_counter IF_PRESENT,
paramCompatibilityInfo	c_Parameter_compatibility_information IF_PRESENT
	}
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_r_BA_INN_ind_routing_allowed (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_r.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE calledPartyNum	BY c_Called_party_number_INN_allowed,
REPLACE iamOptionals	BY {
	callingPartyNum c_Calling_party_number_internat_even (TSP_NB_B) IF_PRESENT
	}
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_r_BA_INN_ind_routing_not_allowed (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_r.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE calledPartyNum	BY c_Called_party_number_INN_not_allowed,
REPLACE iamOptionals	BY {
	callingPartyNum c_Calling_party_number_internat_even (TSP_NB_B) IF_PRESENT
	}
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_r_BA_INN_ind_routing_allowed_MS RN (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_r.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE calledPartyNum	BY c_Called_party_number_INN_allowed_MS RN,
REPLACE iamOptionals	BY {
	callingPartyNum c_Calling_party_number_internat_even (TSP_NB_B) IF_PRESENT
	}
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_r_BA_INN_ind_routing_not_allowed_MSRN (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_r.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE calledPartyNum	BY c_Called_party_number_INN_not_allowed_MSRN,
REPLACE iamOptionals	BY {
	callingPartyNum c_Calling_party_number_internat_even (TSP_NB_B) IF_PRESENT
	}
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_r_BA_no_GenNb_addCngPn (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_r.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE forwardCallInd	BY c_Forward_call_indicators_national_call ,
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio ,
REPLACE iamOptionals	BY {
callingPartyNum	c_Calling_party_number_internat_even (TSP_NB_B) IF_PRESENT,
genericNum	OMIT,
propDelayCounter	c_Propagation_delay_counter IF_PRESENT,
paramCompatibilityInfo	c_Parameter_compatibility_information IF_PRESENT
	}
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_r_BA_no_USI (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_r.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE forwardCallInd	BY c_Forward_call_indicators_national_call ,
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio ,
REPLACE iamOptionals	BY {
	callingPartyNum c_Calling_party_number_internat_even (TSP_NB_B) ,
	userServiceInfo OMIT,
	propDelayCounter c_Propagation_delay_counter IF_PRESENT,
	paramCompatibilityInfo c_Parameter_compatibility_information IF_PRESENT
	}
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_s_AB_Calling_party_number (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_s.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio,
REPLACE iamOptionals	BY {
	callingPartyNum c_Calling_party_number_internat_even (TSP_NB_B)
	}
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_s_AB_CallingPartyNumber_national (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_s.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE forwardCallInd	BY c_Forward_call_indicators_national_call ,
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio ,
REPLACE iamOptionals	BY {
	callingPartyNum c_Calling_party_number_even_national_number
	}
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_s_AB_Calling_party_number_and_Gen_num_not_available (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_s.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE forwardCallInd	BY c_Forward_call_indicators_national_call,
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio,
REPLACE iamOptionals	BY {
	callingPartyNum c_Calling_party_number_even_A_address_not_available,
	genericNum c_Generic_number_national_add_calling_party_num_addr_not_avail
	}
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_s_AB_COLP_in_optional_forward_call_indicator (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_s.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE forwardCallInd	BY c_Forward_call_indicators_national_call,
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio,
REPLACE iamOptionals	BY {
	callingPartyNum c_Calling_party_number_internat_even (TSP_NB_B) ,
	optForwardCallInd c_Optional_forward_call_indicators_COLP_request
	}
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_s_AB_outg_echo_control_dev_included (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_s.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio,
REPLACE natureOfConnInd	BY c_Nature_of_connection_indicators_outg_echo,
REPLACE iamOptionals	BY {
	callingPartyNum c_Calling_party_number_internat_even (TSP_NB_B)
	}
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_s_AB_outg_echo_control_dev_included_64kbit (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_s.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_64kbit_unrestricted,
REPLACE natureOfConnInd	BY c_Nature_of_connection_indicators_outg_echo,
REPLACE iamOptionals	BY {
	callingPartyNum c_Calling_party_number_internat_even (TSP_NB_B)
	}
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_s_AB_outg_echo_control_dev_not_included (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_s.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio ,
REPLACE natureOfConnInd	BY c_Nature_of_connection_indicators_no_outg_echo,
REPLACE iamOptionals	BY {
	callingPartyNum c_Calling_party_number_internat_even (TSP_NB_B)
	}
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_s_AB_outg_echo_control_dev_not_included_64kbit (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_s.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_64kbit_unrestricted ,
REPLACE natureOfConnInd	BY c_Nature_of_connection_indicators_no_outg_echo,
REPLACE iamOptionals	BY {
	callingPartyNum c_Calling_party_number_internat_even (TSP_NB_B)
	}
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_s_AB_Generic_number (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_s.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio,
REPLACE iamOptionals	BY {
	genericNum c_Generic_number_national_user_provided_not_verified
	}
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_s_AB_Generic_Number_user_provided_ver_failed (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_s.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE forwardCallInd	BY c_Forward_call_indicators_national_call,
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio,
REPLACE iamOptionals	BY {
	callingPartyNum c_Calling_party_number_even_national_number ,
	genericNum c_Generic_number_national_user_provided_verified_failed
	}
Detailed Comments :	

ASN.1 PDU Constraint Declaration		
Constraint Name	:	IAM_s_AB_INN_ind_routing_allowed (CICnr: BIT_12)
PDU Type	:	IAM
Derivation Path	:	IAM_s.
Encoding Rule Name	:	
Encoding Variation	:	
Comments	:	
Constraint Value		
REPLACE calledPartyNum	BY	c_Called_party_number_INN_allowed ,
REPLACE iamOptionals	BY {	
	callingPartyNum	c_Calling_party_number_internat_even (TSP_NB_B)
	}	
Detailed Comments :		

ASN.1 PDU Constraint Declaration		
Constraint Name	:	IAM_s_AB_INN_ind_routing_not_allowed (CICnr: BIT_12)
PDU Type	:	IAM
Derivation Path	:	IAM_s.
Encoding Rule Name	:	
Encoding Variation	:	
Comments	:	
Constraint Value		
REPLACE calledPartyNum	BY	c_Called_party_number_INN_not_allowed ,
REPLACE iamOptionals	BY {	
	callingPartyNum	c_Calling_party_number_internat_even (TSP_NB_B)
	}	
Detailed Comments :		

ASN.1 PDU Constraint Declaration		
Constraint Name	:	IAM_s_AB_INN_ind_routing_allowed_MS RN (CICnr: BIT_12)
PDU Type	:	IAM
Derivation Path	:	IAM_s.
Encoding Rule Name	:	
Encoding Variation	:	
Comments	:	
Constraint Value		
REPLACE calledPartyNum	BY	c_Called_party_number_INN_allowed_MS RN ,
REPLACE iamOptionals	BY {	
	callingPartyNum	c_Calling_party_number_internat_even (TSP_NB_B)
	}	
Detailed Comments	:	

ASN.1 PDU Constraint Declaration		
Constraint Name	:	IAM_s_AB_INN_ind_routing_not_allowed_MS RN (CICnr: BIT_12)
PDU Type	:	IAM
Derivation Path	:	IAM_s.
Encoding Rule Name	:	
Encoding Variation	:	
Comments	:	
Constraint Value		
REPLACE calledPartyNum	BY	c_Called_party_number_INN_not_allowed_MS RN ,
REPLACE iamOptionals	BY {	
	callingPartyNum	c_Calling_party_number_internat_even (TSP_NB_B)
	}	
Detailed Comments :		

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_s_AB_National_calling_party_number (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_s.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE forwardCallInd	BY c_Forward_call_indicators_national_call,
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio,
REPLACE iamOptionals	BY {
	callingPartyNum c_Calling_party_number_even_national_number
	}
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_s_AB_National_calling_party_number_generic_number (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_s.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE forwardCallInd	BY c_Forward_call_indicators_national_call,
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio,
REPLACE iamOptionals	BY {
	callingPartyNum c_Calling_party_number_even_national_number ,
	genericNum c_Generic_number_national_add_calling_party_num
	}
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_s_AB_no_CgPN_no_GenNb (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_s.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio,
REPLACE iamOptionals	BY {
	callingPartyNum - ,
	genericNum -
	}
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_s_BA (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_s.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE iamOptionals	BY { callingPartyNum c_Calling_party_number_internat_even (TSP_NB_B) }
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name : IAM_s_BA_Access_transport (CICnr: BIT_12)	
PDU Type : IAM	
Derivation Path : IAM_s.	
Encoding Rule Name :	
Encoding Variation :	
Comments :	
Constraint Value	
REPLACE forwardCallInd	BY c_Forward_call_indicators_national_call ,
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio ,
REPLACE iamOptionals	BY {
callingPartyNum	c_Calling_party_number_internat_even (TSP_NB_B) ,
accessTransport	c_Access_transport
	}
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_s_BA_bearer_capability (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_s.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_speech,
REPLACE iamOptionals	BY {
	callingPartyNum c_Calling_party_number_internat_even (TSP_NB_B)
	}
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_s_BA_FCI_international (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_s.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE iamOptionals	BY { callingPartyNum c_Calling_party_number_internat_even (TSP_NB_B) }
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_s_BA_INN_ind_routing_allowed (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_s.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE calledPartyNum	BY c_Called_party_number_INN_allowed ,
REPLACE iamOptionals	BY {
	callingPartyNum c_Calling_party_number_internat_even (TSP_NB_B) IF_PRESENT
	}
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_s_BA_INN_ind_routing_not_allowed_MS RN (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_s.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE calledPartyNum	BY c_Called_party_number_INN_not_allowed_MS RN ,
REPLACE iamOptionals	BY { callingPartyNum c_Calling_party_number_internat_even (TSP_NB_B) IF_PRESENT }
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_s_BA_UserToUserInfo_36_oct (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_s.
Encoding Rule Name	:
Encoding Variation	:
Comments	: Send UUIInf
Constraint Value	
REPLACE forwardCallInd	BY c_Forward_call_indicators_national_call ,
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio ,
REPLACE iamOptionals	BY {
	callingPartyNum c_Calling_party_number_internat_even (TSP_NB_B) ,
	userToUserInfo c_User_to_user_information_36_oct
	}
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_s_BA_After_redirection_CFB_with_national_original_called_number (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_s.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE forwardCallInd	BY c_Forward_call_indicators_national_call ,
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio ,
REPLACE iamOptionals	BY {
callingPartyNum	c_Calling_party_number_internat_even (TSP_NB_B) ,
redirectingNum	c_Redirecting_number_national_send ,
redirectionInfo	c_Redirection_information_with_CFB_send ,
originalCalledNum	c_Original_called_number_national_send
	}
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_s_BA_After_redirection_CFNR_with_national_original_called_number (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_s.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE forwardCallInd	BY c_Forward_call_indicators_national_call ,
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio ,
REPLACE iamOptionals	BY {
	callingPartyNum c_Calling_party_number_internat_even (TSP_NB_B) ,
	redirectingNum c_Redirecting_number_national_send ,
	redirectionInfo c_Redirection_information_with_CFU_send ,
	originalCalledNum c_Original_called_number_national_send
	}
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_s_BA_After_redirection_CFU_with_national_original_called_number (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_s.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE forwardCallInd	BY c_Forward_call_indicators_national_call ,
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio ,
REPLACE iamOptionals	BY {
callingPartyNum	c_Calling_party_number_internat_even (TSP_NB_B) ,
redirectingNum	c_Redirecting_number_national_send ,
redirectionInfo	c_Redirection_information_with_CFU_send ,
originalCalledNum	c_Original_called_number_national_send
	}
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_s_BA_GenNb_addCngPN (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_s.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE forwardCallInd	BY c_Forward_call_indicators_national_call,
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio,
REPLACE iamOptionals	BY {
	genericNum c_Generic_number_addCngPN
	}
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_s_BA_GenNb_addCngPN_user_provided_ver_failed (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_s.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE forwardCallInd	BY c_Forward_call_indicators_national_call,
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio,
REPLACE iamOptionals	BY {
	callingPartyNum c_Calling_party_number_even_national_number ,
	genericNum c_Generic_number_addCngPN_user_provided_failed
	}
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: IDR_s_BA_MCID_request_indicators (CICnr: BIT_12)
PDU Type	: IDR
Derivation Path	: IDR_o.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE idrOptionals BY { MCIDReqInd c_MCID_request_indicators_RI_HO , messageCompatibilityInfo c_MCI_for_IDR , paramCompatibilityInfo c_PCI_for_MCID_request_indicators }	
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: IRS_r_MCID_CgPN_even_international (CICnr: BIT_12)
PDU Type	: IRS
Derivation Path	: IRS_o.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE irsOptionals BY {	
MCIDRespInd	c_MCID_response_indicators_RI_HPI ,
messageCompatibilityInfo	c_MCI_for_IRS ,
paramCompatibilityInfo	c_PCI_for_MCID_response_indicators ,
callingPartyNum	c_Calling_party_number_even_own_country_without_prefix
}	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: IRS_r_MCID_GenNb_add_CgPN_even_international (CICnr: BIT_12)
PDU Type	: IRS
Derivation Path	: IRS_o.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE irsOptionals BY {	
MCIDRespInd	c_MCID_response_indicators_RI_HPI ,
messageCompatibilityInfo	c_MCI_for_IRS ,
paramCompatibilityInfo	c_PCI_for_MCID_response_indicators ,
callingPartyNum	OMIT,
genericNum	c_Generic_number_addCngPN_even_own_country_without_prefix
}	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name : ACM_m (CICnr:BIT_12)	
PDU Type : ACM	
Derivation Path :	
Encoding Rule Name :	
Encoding Variation :	
Comments : Basic constraint for ACM with mandatory parameters.	
Constraint Value	
{	
cic	c_Cic_par (CICnr),
messageType	TSC_msgACM,
backwardCallInd	c_Backward_call_indicators,
opt_part_ptr	'00'O
}	
Detailed Comments :	

ASN.1 PDU Constraint Declaration

Constraint Name	: ACM_o (CnCnr:BIT_12)
PDU Type	: ACM
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	: Basic constraint for ACM with all optional parameters defined in PDU type definition

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ASN.1 PDU Constraint Declaration	
Constraint Value	
<pre> { cic c_Cic_par (CICnr), messageType TSC_msgACM, backwardCallInd c_Backward_call_indicators , opt_part_ptr '01'O, acmOptionals { optBackwardCallInd c_Optional_backward_call_indicators , callReference c_Call_reference, --Not in ISUP 4.2 causeInd c_Cause_indicators, userToUserInd c_User_to_user_indicators, userToUserInfo c_User_to_user_information, accessTransport c_Access_transport , genericNotificationInd c_Generic_notification_indicator, transMediumUsed c_Transmission_medium_used, echoControllInfo c_Echo_control_information, accessDeliveryInfo c_Access_delivery_information, redirectionNum c_Redirection_number, paramCompatibilityInfo c_Parameter_compatibility_information, callDiversionInfo c_Call_diversion_information, networkFacility c_Network_specific_facility, remoteOperations c_Remote_operations , serviceActivation c_Service_activation, redirectionNumRest c_Redirection_number_restriction, conferenceTreatmentInd c_Conference_treatment_indicators } , endOfOp TSC_EOP } </pre>	
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: ANM_m (CICnr: BIT_12)
PDU Type	: ANM
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	: Basic constraint for ANM with mandatory parameters.
Constraint Value	
<pre>{ cic c_Cic_par (CICnr), messageType TSC_msgANM, opt_part_ptr '00'O }</pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration

Constraint Name : ANM_o (CICnr: BIT_12)
PDU Type : ANM
Derivation Path :
Encoding Rule Name :
Encoding Variation :
Comments : Basic constraint for ANM with all optional parameters defined in PDU type definition (may contain more paramaters than ISUP 4.2)

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ASN.1 PDU Constraint Declaration	
Constraint Value	
<pre> { cic c_Cic_par (CICnr), messageType TSC_msgANM, opt_part_ptr '01'O, anmOptionals { backwardCallInd c_Backward_call_indicators_o , optBackwardCallInd c_Optional_backward_call_indicators , callReference c_Call_reference , userToUserInd c_User_to_user_indicators, userToUserInfo c_User_to_user_information, connectedNum c_Connected_number_not_available, accessTransport c_Access_transport , accessDeliveryInfo c_Access_delivery_information, genericNotificationInd c_Generic_notification_indicator , paramCompatibilityInfo c_Parameter_compatibility_information, backwardGVNS c_Backward_GVNS , callHistoryInfo c_Call_history_information , genericNum c_Generic_number, transMediumUsed c_Transmission_medium_used, networkFacility c_Network_specific_facility, remoteOperations c_Remote_operations , redirectionNum c_Redirection_number , serviceActivation c_Service_activation , echoControlInfo c_Echo_control_information, redirectionNumRest c_Redirection_number_restriction }, endOfOp TSC_EOP } </pre>	
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: BLA_m (CICnr: BIT_12)
PDU Type	: BLA
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	: Basic constraint for BLockingAcknowledge message
Constraint Value	
{	
cic	c_Cic_par(CICnr) ,
messageType	TSC_msgBLA
}	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: BLO_m (CICnr: BIT_12)
PDU Type	: BLO
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	: Basic constraint for BLOcking message
Constraint Value	
{	
cic	c_Cic_par(CICnr) ,
messageType	TSC_msgBLO
}	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: CCR_m (CICnr: BIT_12)
PDU Type	: CCR
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	: Basic constraint for Continuity Check Request message.
Constraint Value	
{	
cic	c_Cic_par(CICnr) ,
messageType	TSC_msgCCR
}	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: CFN_m (CICnr:BIT_12)
PDU Type	: CFN
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	: Basic constraint for ConFusioN message with mandatory parameters.
Constraint Value	
<pre>{ cic c_Cic_par (CICnr) , messageType TSC_msgCFN , causeInd c_Cause_indicators }</pre>	
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: CFN_r (CICnr:BIT_12 ; cause_value : BIT_7 ; diagnostics : OCT_N)
PDU Type	: CFN
Derivation Path	: CFN_m.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE causeInd BY c_Cause_indicator_with_diags (?, cause_value, diagnostics)	
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: CFN_s (CICnr:BIT_12 ; LOC:BIT_4;cause_value : BIT_7 ; diagnostics : OCT_N)
PDU Type	: CFN
Derivation Path	: CFN_m.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE causeInd BY c_Cause_indicator_with_diags (LOC, cause_value, diagnostics)	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: CON_m (CICnr:BIT_12)
PDU Type	: CON
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	: Basic constraint for Connect with mandatory parameters.
Constraint Value	
{	
cic	c_Cic_par(CICnr) ,
messageType	TSC_msgCON ,
backwardCallInd	c_Backward_call_indicators,
opt_part_ptr	'00'O
}	
Detailed Comments :	

ASN.1 PDU Constraint Declaration

Constraint Name	: CON_o (CICnr:BIT_12)
PDU Type	: CON
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	: Basic constraint for CON with all optional parameters defined in PDU type definition

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ASN.1 PDU Constraint Declaration	
Constraint Value	
{	
cic	c_Cic_par(CICnr) ,
messageType	TSC_msgCON ,
backwardCallInd	c_Backward_call_indicators ,
opt_part_ptr	'01'O,
conOptionals {	
optBackwardCallInd	c_Optional_backward_call_indicators,
backwardGVNS	c_Backward_GVNS ,
callReference	c_Call_reference,
userToUserInd	c_User_to_user_indicators,
userToUserInfo	c_User_to_user_information,
connectedNum	c_Connected_number_not_available,
accessTransport	c_Access_transport ,
accessDeliveryInfo	c_Access_delivery_information,
genericNotificationInd	c_Generic_notification_indicator,
paramCompatibilityInfo	c_Parameter_compatibility_information,
callHistoryInfo	c_Call_history_information_par ('FFFF'O), -- Temporary Value
genericNum	c_Generic_number,
transMediumUsed	c_Transmission_medium_used,
networkFacility	c_Network_specific_facility,
remoteOperations	c_Remote_operations,
redirectionNum	c_Redirection_number,
serviceActivation	c_Service_activation,
echoControlInfo	c_Echo_control_information,
redirectionNumRest	c_Redirection_number_restriction,
conferenceTreatmentInd	c_Conference_treatment_indicators
} , endOfOp	TSC_EOP
}	
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: CPG_m (CICnr:BIT_12)
PDU Type	: CPG
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	: Basic constraint for CPG with all optional parameters defined in PDU type definition
Constraint Value	
<pre>{ cic c_Cic_par(CICnr) , messageType TSC_msgCPG , eventInfo c_Event_information_Alerting, opt_part_ptr '00'O }</pre>	
Detailed Comments :	

ASN.1 PDU Constraint Declaration

Constraint Name	: CPG_o (CICnr:BIT_12)
PDU Type	: CPG
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	: Basic constraint for CPG with all optional parameters defined in PDU type definition

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ASN.1 PDU Constraint Declaration	
Constraint Value	
<pre> { cic c_Cic_par(CICnr) , messageType TSC_msgCPG , eventInfo c_Event_information_Alerting , opt_part_ptr '01'O, cpgOptionals { optBackwardCallInd c_Optional_backward_call_indicators , callReference c_Call_reference , backwardCallInd c_Backward_call_indicators_o, causeInd c_Cause_indicators , userToUserInd c_User_to_user_indicators , userToUserInfo c_User_to_user_information, accessTransport c_Access_transport , genericNotificationInd c_Generic_notification_indicator , transMediumUsed c_Transmission_medium_used , echoControllInfo c_Echo_control_information , accessDeliveryInfo c_Access_delivery_information , redirectionNum c_Redirection_number , paramCompatibilityInfo c_Parameter_compatibility_information , callDiversionInfo c_Call_diversion_information , networkFacility c_Network_specific_facility , remoteOperations c_Remote_operations , serviceActivation c_Service_activation , redirectionNumRest c_Redirection_number_restriction, callTransferNumber c_Call_transfer_number , conferenceTreatmentInd c_Conference_treatment_indicators } , endOfOp TSC_EOP } </pre>	
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: FAC_m (CICnr: BIT_12)
PDU Type	: FAC
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	: Basic constraint for Facility with mandatory parameters.
Constraint Value	
<pre>{ cic c_Cic_par(CICnr) , messageType TSC_msgFAC, opt_part_ptr '00'O }</pre>	
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: FOT_m (CICnr: BIT_12)
PDU Type	: FOT
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	: Basic constraint for FOrward Transfer with mandatory parameters.
Constraint Value	
{	
cic	c_Cic_par (CICnr) ,
messageType	TSC_msgFOT
}	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: FOT_o (CICnr: BIT_12)
PDU Type	: FOT
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	: Basic constraint for FOT with all optional parameters defined in PDU type definition
Constraint Value	
{	
cic	c_Cic_par (CICnr) ,
messageType	TSC_msgFOT ,
fotOptionals {	
callReference	c_Call_reference,
paramCompatibilityInfo	c_Parameter_compatibility_information
},	
endOfOp TSC_EOP	
}	
Detailed Comments :	

ASN.1 PDU Constraint Declaration

Constraint Name : IAM_anyvalue (CICnr: BIT_12)
PDU Type : IAM
Derivation Path :
Encoding Rule Name :
Encoding Variation :
Comments : Any parameter value for IAM ONLY for receiving

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ASN.1 PDU Constraint Declaration	
Constraint Value	
{	
cic	c_Cic_par (CICnr),
messageType	TSC_msgIAM,
natureOfConnInd	?,
forwardCallInd	?,
callingPartyCat	?,
transmissionMediumReq	?,
var_part_ptr	'??'O,
opt_part_ptr	'??'O,
calledPartyNum	?,
iamOptionals {	
transitNetworkSel	*,
callReference	*,
callingPartyNum	*,
optForwardCallInd	*,
redirectingNum	*,
redirectionInfo	*,
cUGInterlockCode	*,
connectionRequest	*,
originalCalledNum	*,
userToUserInfo	*,
accessTransport	*,
userServiceInfo	*,
userToUserInd	*,
genericNum	*,
propDelayCounter	*,
userServiceInfoPrime	*,
netwSpecificFacility	*,
genericDigits	*,
origISCPPointCode	*,
userTeleServiceInfo	*,
remoteOperations	*,
paramCompatibilityInfo	*,
genericNotificationInd	*,
serviceActivation	*,
genericReference	*,

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ASN.1 PDU Constraint Declaration
Detailed Comments :

ASN.1 PDU Constraint Declaration
Constraint Name : IAM_m (CICnr: BIT_12) PDU Type : IAM Derivation Path : Encoding Rule Name : Encoding Variation : Comments :
Constraint Value
<pre>{ cic c_Cic_par (CICnr), messageType TSC_msgIAM, natureOfConnInd c_Nature_of_connection_indicators, forwardCallInd c_Forward_call_indicators, callingPartyCat c_Calling_partys_category , transmissionMediumReq c_Transmission_medium_requirement_speech, var_part_ptr '02'O, opt_part_ptr '00'O, calledPartyNum c_Called_party_number_internat_even (TSP_NB_B) }</pre>
Detailed Comments :

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_r (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
<pre> { cic c_Cic_par (CICnr), messageType TSC_msgIAM, natureOfConnInd c_Nature_of_connection_indicators , forwardCallInd c_Forward_call_indicators , callingPartyCat c_Calling_partys_category , transmissionMediumReq c_Transmission_medium_requirement_speech , var_part_ptr '02'O, opt_part_ptr TSO_COMPUTE_OPT_PTR(), calledPartyNum c_Called_party_number_internat_odd (TSP_NB_B) , iamOptionals { callingPartyNum c_Calling_party_number_internat_even (TSP_NB_B) IF_PRESENT , propDelayCounter c_Propagation_delay_counter IF_PRESENT, paramCompatibilityInfo c_Parameter_compatibility_information IF_PRESENT } , endOfOp TSC_EOP } </pre>	
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name : IAM_r_AB (CICnr: BIT_12)	
PDU Type : IAM	
Derivation Path : IAM_r.	
Encoding Rule Name :	
Encoding Variation :	
Comments :	
Constraint Value	
REPLACE forwardCallInd	BY c_Forward_call_indicators_national_call,
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio,
REPLACE iamOptionals	BY {
	callingPartyNum c_Calling_party_number_internat_even (TSP_NB_B) IF_PRESENT,
	propDelayCounter c_Propagation_delay_counter IF_PRESENT,
	paramCompatibilityInfo c_Parameter_compatibility_information IF_PRESENT
	}
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_s (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
{	
cic	c_Cic_par (CICnr),
messageType	TSC_msgIAM,
natureOfConnInd	c_Nature_of_connection_indicators,
forwardCallInd	c_Forward_call_indicators,
callingPartyCat	c_Calling_partys_category ,
transmissionMediumReq	c_Transmission_medium_requirement_speech,
var_part_ptr	'02'O,
opt_part_ptr	TSO_COMPUTE_OPT_PTR(),
calledPartyNum	c_Called_party_number_internat_even (TSP_NB_A),
iamOptionals {	
callingPartyNum	c_Calling_party_number_internat_even (TSP_NB_B)
}, endOfOp	TSC_EOP
}	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: IAM_s_AB (CICnr: BIT_12)
PDU Type	: IAM
Derivation Path	: IAM_s.
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
REPLACE forwardCallInd	BY c_Forward_call_indicators_national_call ,
REPLACE transmissionMediumReq	BY c_Transmission_medium_requirement_3_1khz_audio
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: IDR_o (CICnr: BIT_12)
PDU Type	: IDR
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	: Basic constraint for IDR with all optional parameters defined in PDU type definition
Constraint Value	
<pre> { cic c_Cic_par (CICnr), messageType TSC_msgIRS, idrOptionals { MCIDReqInd c_MCID_request_indicators, messageCompatibilityInfo c_Message_compatibility_information , paramCompatibilityInfo c_Parameter_compatibility_information }, endOfOp TSC_EOP } </pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: IRS_o (CICnr: BIT_12)
PDU Type	: IRS
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	: Basic constraint for IRS with all optional parameters defined in PDU type definition
Constraint Value	
<pre> { cic c_Cic_par (CICnr), messageType '00110111'B, irsOptionals { MCIDRespInd c_MCID_response_indicators , messageCompatibilityInfo c_Message_compatibility_information , paramCompatibilityInfo c_Parameter_compatibility_information , callingPartyNum c_Calling_party_number_even , accessTransport c_Access_transport , genericNum c_Generic_number } , endOfOp TSC_EOP } </pre>	
Detailed Comments :	

ASN.1 PDU Constraint Declaration	
Constraint Name	: NRM_m (CICnr: BIT_12)
PDU Type	: NRM
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	: Basic constraint for Network Resource Management with mandatory parameters.
Constraint Value	
{	
cic	c_Cic_par(CICnr) ,
messageType	TSC_msgNRM
}	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: OPQ_m (CICnr: BIT_12)
PDU Type	: OPQ
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	: Basic constraint for OPERator Queue with mandatory parameters.
Constraint Value	
{	
cic	c_Cic_par(CICnr),
messageType	TSC_msgOPQ
}	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: OPR_m (CICnr: BIT_12)
PDU Type	: OPR
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	: Basic constraint for Operator message with mandatory parameters.
Constraint Value	
{	
cic	c_Cic_par(CICnr),
messageType	TSC_msgOPR
}	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: REL_m (CICnr: BIT_12)
PDU Type	: REL
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	: Basic constraint for RELease message with mandatory parameters.
Constraint Value	
{	
cic	c_Cic_par (CICnr),
messageType	TSC_msgREL,
var_part_ptr	'02'O,
opt_part_ptr	'00'O,
causeInd	c_Cause_indicators
}	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: REL_r_with_cause_value_17 (CICnr: BIT_12)
PDU Type	: REL
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	: Basic constraint for RELease message with mandatory parameters.
Constraint Value	
{	
cic	c_Cic_par (CICnr),
messageType	TSC_msgREL,
var_part_ptr	'02'O,
opt_part_ptr	'00'O,
causeInd	c_Cause_indicators_cause_17_CCBS_not_possible
}	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: REL_r_with_cause_value_20 (CICnr: BIT_12)
PDU Type	: REL
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	: Basic constraint for RELease message with mandatory parameters.
Constraint Value	
	<pre>{ cic c_Cic_par (CICnr), messageType TSC_msgREL, var_part_ptr '02'O, opt_part_ptr '00'O, causeInd c_Cause_indicators_cause_20 }</pre>
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: REL_r_with_cause_value_34 (CICnr: BIT_12)
PDU Type	: REL
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	: Basic constraint for RELease message with mandatory parameters.
Constraint Value	
{	
cic	c_Cic_par (CICnr),
messageType	TSC_msgREL,
var_part_ptr	'02'O,
opt_part_ptr	'00'O,
causeInd	c_Cause_indicators_cause_34_CCBS_not_possible
}	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: REL_s_with_cause_value_17 (CICnr: BIT_12)
PDU Type	: REL
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	: Basic constraint for RELease message with mandatory parameters.
Constraint Value	
{	
cic	c_Cic_par (CICnr),
messageType	TSC_msgREL,
var_part_ptr	'02'O,
opt_part_ptr	'00'O,
causeInd	c_Cause_indicators_cause_17_CCBS_not_possible_send
}	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: REL_s_with_cause_value_20 (CICnr: BIT_12)
PDU Type	: REL
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	: Basic constraint for RELease message with mandatory parameters.
Constraint Value	
{	
cic	c_Cic_par (CICnr),
messageType	TSC_msgREL,
var_part_ptr	'02'O,
opt_part_ptr	'00'O,
causeInd	c_Cause_indicators_cause_20
}	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: REL_s_with_cause_value_34 (CICnr: BIT_12)
PDU Type	: REL
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	: Basic constraint for RELease message with mandatory parameters.
Constraint Value	
{	
cic	c_Cic_par (CICnr),
messageType	TSC_msgREL,
var_part_ptr	'02'O,
opt_part_ptr	'00'O,
causeInd	c_Cause_indicators_cause_34_CCBS_not_possible_send
}	
Detailed Comments	:

ASN.1 PDU Constraint Declaration

Constraint Name : REL_o (CICnr: BIT_12)
PDU Type : REL
Derivation Path :
Encoding Rule Name :
Encoding Variation :
Comments : Basic constraint for REL with all optional parameters defined in PDU type definition

Constraint Value

```

{
  cic                c_Cic_par (CICnr),
  messageType        TSC_msgREL,
  var_part_ptr       '02'O,
  opt_part_ptr        TSO_COMPUTE_OPT_PTR(),
  causeInd           c_Cause_indicators,
  relOptionals {
    redirectingInfo   c_Redirection_information,
    redirectionNum    c_Redirection_number,
    accessTransport   c_Access_transport ,
    sigPointCode      c_Signalling_point_code,
    userToUserInfo    c_User_to_user_information,
    autCongLevel      c_Automatic_congestion_level,
    networkFacility   c_Network_specific_facility,
    accessDeliveryInfo c_Access_delivery_information,
    paramCompatibilityInfo c_Parameter_compatibility_information,
    redirectionNumRest c_Redirection_number_restriction,
    userToUserInd     c_User_to_user_indicators
  }, endOfOp TSC_EOP
}
  
```

Detailed Comments :

ASN.1 PDU Constraint Declaration	
Constraint Name	: RLC_anyvalue (CICnr: BIT_12)
PDU Type	: RLC
Derivation Path	: RLC_o.
Encoding Rule Name	:
Encoding Variation	:
Comments	: Accepts ReLease Complete message with any cause indicators (for receiving only)
Constraint Value	
REPLACE rlcOptionals BY {causeInd *}, REPLACE endOfOp BY *	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: RLC_m (CICnr: BIT_12)
PDU Type	: RLC
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	: Basic constraint for ReLeaseComplete message
Constraint Value	
<pre>{ cic c_Cic_par(CICnr), messageType TSC_msgRLC, opt_part_ptr '00'O }</pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: RLC_o (CICnr: BIT_12)
PDU Type	: RLC
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	: Basic constraint for RLC with all optional parameters defined in PDU type definition
Constraint Value	
<pre> { cic c_Cic_par(CICnr), messageType TSC_msgRLC, opt_part_ptr '01'O, rlcOptionals { causeInd c_Cause_indicators }, endOfOp TSC_EOP } </pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration

Constraint Name : RSC_m (CICnr: BIT_12)
PDU Type : RSC
Derivation Path :
Encoding Rule Name :
Encoding Variation :
Comments : Basic constraint for ReSetCircuit message

Constraint Value

```
{  
  cic          c_Cic_par(CICnr),  
  messageType  TSC_msgRSC  
}
```

Detailed Comments :

ASN.1 PDU Constraint Declaration	
Constraint Name	: SCB_m (CICnr: BIT_12)
PDU Type	: SCB
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	: Basic constraint for Special Clear Back with mandatory parameters.
Constraint Value	
{	
cic	c_Cic_par(CICnr),
messageType	TSC_msgSCB
}	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: SGM_m (CICnr: BIT_12)
PDU Type	: SGM
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	: Basic constraint for SeGmentation with mandatory parameters.
Constraint Value	
{	
cic	c_Cic_par(CICnr),
messageType	TSC_msgSGM
}	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: UBA_m (CICnr: BIT_12)
PDU Type	: UBA
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	: Basic constraint for UnBlockingAcknowledgement message
Constraint Value	
{	
cic	c_Cic_par(CICnr) ,
messageType	TSC_msgUBA
}	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: UBL_m (CICnr: BIT_12)
PDU Type	: UBL
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	: Basic constraint for UnBLocking message
Constraint Value	
{	
cic	c_Cic_par(CICnr) ,
messageType	TSC_msgUBL
}	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: UCIC_m (CICnr: BIT_12)
PDU Type	: UCIC
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	: Basic constraint for Unequipped Circuit Identification Code with mandatory parameters.
Constraint Value	
{	
cic	c_Cic_par(CICnr),
messageType	TSC_msgUCIC
}	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: UPA_m (CICnr: BIT_12)
PDU Type	: UPA
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
{	
cic	c_Cic_par(CICnr),
messageType	TSC_msgUPA
}	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: UPA_o (CICnr: BIT_12)
PDU Type	: UPA
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
<pre> { cic c_Cic_par(CICnr), messageType TSC_msgUPA, upaOptionals { paramCompatibilityInfo c_Parameter_compatibility_information }, endOfOp TSC_EOP } </pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: UPT_m (CICnr: BIT_12)
PDU Type	: UPT
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
{	
cic	c_Cic_par(CICnr),
messageType	TSC_msgUPT
}	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: UPT_o (CICnr: BIT_12)
PDU Type	: UPT
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	:
Constraint Value	
<pre> { cic c_Cic_par(CICnr), messageType TSC_msgUPT, upOptionals { paramCompatibilityInfo c_Parameter_compatibility_information }, endOfOp TSC_EOP } </pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: USR_m (CICnr: BIT_12)
PDU Type	: USR
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	: Basic constraint for User-to-uSer infoRmation with mandatory parameters.
Constraint Value	
<pre>{ cic c_Cic_par(CICnr), messageType TSC_msgUSR, userToUserInfo c_User_to_user_information }</pre>	
Detailed Comments	:

ASN.1 PDU Constraint Declaration	
Constraint Name	: USR_o (CICnr: BIT_12)
PDU Type	: USR
Derivation Path	:
Encoding Rule Name	:
Encoding Variation	:
Comments	: Basic constraint for USR with all optional parameters defined in PDU type definition
Constraint Value	
<pre> { cic c_Cic_par(CICnr), messageType TSC_msgUSR, userToUserInfo c_User_to_user_information , usrOptionals { accessTransport c_Access_transport , paramCompatibilityInfo c_Parameter_compatibility_information } , endOfOp TSC_EOP } </pre>	
Detailed Comments	:

IV

Dynamic Part

Test Case Dynamic Behaviour					
Test Case Name : BC_V_1_1_IUT_echo_handling					
Group : ISUP_PLMN/BC/ECHO/					
Purpose : To verify that outgoing half echo control device is included to the the incoming circuit in the IAM.					
Configuration : MTC_and_two_ISUP_PTCs					
Default :					
Comments : REFERENCE: 5.2.2 / DEN/SPS 01047-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+preamble			
2		CREATE (A_ISUP_PTC:A_call_setup, B_ISUP_PTC:B_call_setup)			
3		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
4		+check_communication			
5		CREATE (A_ISUP_PTC:A_call_release, B_ISUP_PTC:B_call_release)			
6		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
7		+check_idle			
8		+postamble			
		A_call_setup			
9		+A_SEND (IAM_s_AB_outg_echo_control_dev_not_included (TCV_A_cic))			
10		+A_RECEIVE (ACM_m(TCV_A_cic))			
11		+A_RECEIVE (ANM_m (TCV_A_cic))			
		A_call_release			
12		+A_RECEIVE_CALL_REL			
		B_call_setup			
					Sets final verdict

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Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		+B_RECEIVE_cic (IAM_r_AB_outg_echo_control_dev_included ('*B))			
14		+B_SEND (ACM_m(TCV_B_cic))			
15		+B_SEND (ANM_m (TCV_B_cic))			
		B_call_release			
16		+B_SEND_CALL_REL			

Detailed Comments : SPC SPA SPB
 -----IAM-----> -----IAM----->

1. PTC will initiate a call setup with the expected parameters.

Implementation:

```

    -----
    SPC SPA SPB
    !-----IAM----->!-----IAM----->!

    !<-----ACM-----!<-----ACM-----!

    .....ringing tone.....
    !<-----ANM-----!<-----ANM-----!

    .....check communication.....

    !<-----REL-----!<-----REL-----!
    !-----RLC----->!-----RLC----->!
    
```

Test Case Dynamic Behaviour					
Test Case Name : BC_V_1_2_IUT_echo_handling					
Group : ISUP_PLMN/BC/ECHO/					
Purpose : To verify that outgoing half echo control device is not included to the the incoming circuit in the IAM.					
Configuration : MTC_and_two_ISUP_PTCs					
Default :					
Comments : REFERENCE: 5.2.2 / DEN/SPS 01047-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+preamble			
2		CREATE (A_ISUP_PTC:A_call_setup, B_ISUP_PTC:B_call_setup)			
3		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
4		+check_communication			
5		CREATE (A_ISUP_PTC:A_call_release, B_ISUP_PTC:B_call_release)			
6		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
7		+check_idle			
8		+postamble			
		A_call_setup			
9		+A_SEND (IAM_s_AB_outg_echo_control_dev_not_included (TCV_A_cic))			
10		+A_RECEIVE (ACM_m(TCV_A_cic))			
11		+A_RECEIVE (ANM_m (TCV_A_cic))			
		A_call_release			
12		+A_RECEIVE_CALL_REL			
		B_call_setup			
					Sets final verdict

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Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		+B_RECEIVE_cic (IAM_r_AB_outg_echo_control_dev_not_included ('*B))			
14		+B_SEND (ACM_m(TCV_B_cic))			
15		+B_SEND (ANM_m (TCV_B_cic))			
		B_call_release			
16		+B_SEND_CALL_REL			

Detailed Comments : SPC SPA SPB
 -----IAM-----> -----IAM----->

1. PTC will initiate a call setup with the expected parameters.

Implementation:

 SPC SPA SPB
 !-----IAM----->!-----IAM----->!
 !<-----ACM-----!<-----ACM-----!
ringing tone.....
 !<-----ANM-----!<-----ANM-----!
check communication.....
 !<-----REL-----!<-----REL-----!
 !-----RLC----->!-----RLC----->!

Test Case Dynamic Behaviour					
Test Case Name : BC_V_1_3_IUT_echo_handling					
Group : ISUP_PLMN/BC/ECHO/					
Purpose : To verify that outgoing half echo control device is included to the the incoming circuit in the IAM.					
Configuration : MTC_and_two_ISUP_PTCs					
Default :					
Comments : REFERENCE: 5.2.2 / DEN/SPS 01047-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+preamble			
2		CREATE (A_ISUP_PTC:A_call_setup, B_ISUP_PTC:B_call_setup)			
3		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
4		+check_communication			
5		CREATE (A_ISUP_PTC:A_call_release, B_ISUP_PTC:B_call_release)			
6		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
7		+check_idle			
8		+postamble			
		A_call_setup			
9		+A_SEND (IAM_s_AB_outg_echo_control_dev_included (TCV_A_cic))			
10		+A_RECEIVE (ACM_m(TCV_A_cic))			
11		+A_RECEIVE (ANM_m (TCV_A_cic))			
		A_call_release			
12		+A_RECEIVE_CALL_REL			
		B_call_setup			
					Sets final verdict

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Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		+B_RECEIVE_cic (IAM_r_AB_outg_echo_control_dev_included ('*'B))			
14		+B_SEND (ACM_m(TCV_B_cic))			
15		+B_SEND (ANM_m (TCV_B_cic))			
		B_call_release			
16		+B_SEND_CALL_REL			

Detailed Comments : SPC SPA SPB
 -----IAM-----> -----IAM----->

1. PTC will initiate a call setup with the expected parameters.

Implementation:

 SPC SPA SPB
 !-----IAM----->!-----IAM----->!
 !<-----ACM-----!<-----ACM-----!

ringing tone.....
 !<-----ANM-----!<-----ANM-----!

check communication.....

 !<-----REL-----!<-----REL-----!
 !-----RLC----->!-----RLC----->!

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Test Case Dynamic Behaviour
Detailed Comments : ...

Test Case Dynamic Behaviour					
Test Case Name : BC_V_1_4_IUT_echo_handling					
Group : ISUP_PLMN/BC/ECHO/					
Purpose : To verify that outgoing half echo control device is enabled for the incoming circuit by GMSC.					
Configuration : MTC_and_two_ISUP_PTCs					
Default :					
Comments : REFERENCE: 5.2.2 / DEN/SPS 01047-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+preamble			
2		CREATE (A_ISUP_PTC:A_call_setup, B_ISUP_PTC:B_call_setup)			
3		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
4		+check_communication			
5		CREATE (A_ISUP_PTC:A_call_release, B_ISUP_PTC:B_call_release)			
6		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
7		+check_idle			
8		+postamble			
		A_call_setup			
9		+A_SEND (IAM_s_AB_outg_echo_control_dev_not_included (TCV_A_cic))			
10		+A_RECEIVE (ACM_r_BA_inc_echo_control_dev_incl (TCV_A_cic))			
11		+A_RECEIVE (ANM_m (TCV_A_cic))			
		A_call_release			
12		+A_RECEIVE_CALL_REL			
					Sets final verdict

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Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		B_call_setup			
14		+B_RECEIVE_cic (IAM_r_AB_outg_echo_control_dev_included ('*B))			
15		+B_SEND (ACM_s_BA_inc_echo_control_dev_incl (TCV_B_cic))			
16		+B_SEND (ANM_m (TCV_B_cic))			
		B_call_release			
		+B_SEND_CALL_REL			
<p>Detailed Comments : SPC SPA SPB</p> <pre> -----IAM-----> -----IAM-----> 1. PTC will initiate a call setup with the expected parameters. Implementation: ----- SPC SPA SPB !-----IAM----->!-----IAM----->! !<-----ACM-----!<-----ACM-----! ringing tone..... !<-----ANM-----!<-----ANM-----! check communication..... !<-----REL-----!<-----REL-----! !-----RLC----->!-----RLC----->! </pre>					

Test Case Dynamic Behaviour					
Test Case Name : BC_V_1_5_IUT_echo_handling					
Group : ISUP_PLMN/BC/ECHO/					
Purpose : To verify that outgoing half echo control device is enabled for the incoming circuit by GMSC.					
Configuration : MTC_and_two_ISUP_PTCs					
Default :					
Comments : REFERENCE: 5.2.2 / DEN/SPS 01047-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+preamble			
2		CREATE (A_ISUP_PTC:A_call_setup, B_ISUP_PTC:B_call_setup)			
3		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
4		+check_communication			
5		CREATE (A_ISUP_PTC:A_call_release, B_ISUP_PTC:B_call_release)			
6		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
7		+check_idle			
8		+postamble			
		A_call_setup			
9		+A_SEND (IAM_s_AB_outg_echo_control_dev_not_included (TCV_A_cic))			
10		+A_RECEIVE (ACM_r_BA_inc_echo_control_dev_incl (TCV_A_cic))			
11		+A_RECEIVE (ANM_m (TCV_A_cic))			
		A_call_release			
12		+A_RECEIVE_CALL_REL			
					Sets final verdict

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Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		B_call_setup			
14		+B_RECEIVE_cic (IAM_r_AB_outg_echo_control_dev_included ('*B))			
15		+B_SEND (ACM_s_BA_inc_echo_control_dev_not_incl (TCV_B_cic))			
16		+B_SEND (ANM_m (TCV_B_cic))			
		B_call_release			
		+B_SEND_CALL_REL			
<p>Detailed Comments : SPC SPA SPB</p> <pre> -----IAM-----> -----IAM-----> _____ 1. PTC will initiate a call setup with the expected parameters. Implementation: ----- SPC SPA SPB !-----IAM----->!-----IAM----->! !<-----ACM-----!<-----ACM-----! ringing tone..... !<-----ANM-----!<-----ANM-----! check communication..... !<-----REL-----!<-----REL-----!</pre>					

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Test Case Dynamic Behaviour
Detailed Comments : ... !-----RLC----->!-----RLC----->!

Test Case Dynamic Behaviour					
Test Case Name : BC_V_1_6_IUT_echo_handling					
Group : ISUP_PLMN/BC/ECHO/					
Purpose : To verify that outgoing half echo control device is enabled for the incoming circuit by GMSC.					
Configuration : MTC_and_two_ISUP_PTCs					
Default :					
Comments : REFERENCE: 5.2.2 / DEN/SPS 01047-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+preamble			
2		CREATE (A_ISUP_PTC:A_call_setup, B_ISUP_PTC:B_call_setup)			
3		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
4		+check_communication			
5		CREATE (A_ISUP_PTC:A_call_release, B_ISUP_PTC:B_call_release)			
6		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
7		+check_idle			
8		+postamble			
		A_call_setup			
9		+A_SEND (IAM_s_AB_outg_echo_control_dev_not_included (TCV_A_cic))			
10		+A_RECEIVE (ACM_m (TCV_A_cic))			
11		+A_RECEIVE (ANM_m (TCV_A_cic))			
		A_call_release			
12		+A_RECEIVE_CALL_REL			
		B_call_setup			
					Sets final verdict

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Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		+B_RECEIVE_cic (IAM_r_AB_outg_echo_control_dev_included ('*B))			
14		+B_SEND (ACM_m (TCV_B_cic))			
15		+B_SEND (ANM_m (TCV_B_cic))			
		B_call_release			
16		+B_SEND_CALL_REL			

Detailed Comments : SPC SPA SPB
 -----IAM-----> -----IAM----->

1. PTC will initiate a call setup with the expected parameters.

Implementation:

 SPC SPA SPB
 !-----IAM----->!-----IAM----->!
 !<-----ACM-----!<-----ACM-----!

ringing tone.....
 !<-----ANM-----!<-----ANM-----!

check communication.....

!<-----REL-----!<-----REL-----!
 !-----RLC----->!-----RLC----->!

Test Case Dynamic Behaviour					
Test Case Name : BC_V_1_7_IUT_echo_handling					
Group : ISUP_PLMN/BC/ECHO/					
Purpose : To verify that outgoing half echo control device is enabled for the incoming circuit by GMSC.					
Configuration : MTC_and_two_ISUP_PTCs					
Default :					
Comments : REFERENCE: 5.2.2 / DEN/SPS 01047-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+preamble			
2		CREATE (A_ISUP_PTC:A_call_setup, B_ISUP_PTC:B_call_setup)			
3		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
4		+check_communication			
5		CREATE (A_ISUP_PTC:A_call_release, B_ISUP_PTC:B_call_release)			
6		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
7		+check_idle			
8		+postamble			
		A_call_setup			
9		+A_SEND (IAM_s_AB_outg_echo_control_dev_included (TCV_A_cic))			
10		+A_RECEIVE (ACM_r_BA_inc_echo_control_dev_incl (TCV_A_cic))			
11		+A_RECEIVE (ANM_m (TCV_A_cic))			
		A_call_release			
12		+A_RECEIVE_CALL_REL			
					Sets final verdict

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Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		B_call_setup			
14		+B_RECEIVE_cic (IAM_r_AB_outg_echo_control_dev_included ('*B))			
15		+B_SEND (ACM_s_BA_inc_echo_control_dev_not_incl (TCV_B_cic))			
16		+B_SEND (ANM_m (TCV_B_cic))			
		B_call_release			
		+B_SEND_CALL_REL			
<p>Detailed Comments : SPC SPA SPB</p> <pre> -----IAM-----> -----IAM-----> _____ 1. PTC will initiate a call setup with the expected parameters. Implementation: ----- SPC SPA SPB !-----IAM----->!-----IAM----->! !<-----ACM-----!<-----ACM-----! ringing tone..... !<-----ANM-----!<-----ANM-----! check communication..... </pre>					

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Test Case Dynamic Behaviour
<p>Detailed Comments : ...</p> <pre>!<-----REL-----!<-----REL-----! !-----RLC----->!-----RLC----->!</pre>

Test Case Dynamic Behaviour					
Test Case Name : BC_V_1_8_IUT_INN_routing_allowed_MS RN					
Group : ISUP_PLMN/BC/PLMN/					
Purpose : Check the use of Internal Network Number indicator					
Configuration : MTC_and_two_ISUP_PTCs					
Default :					
Comments : REFERENCE: 5.2.3.1.1 / DEN/SPS 01047-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+preamble			
2		CREATE (A_ISUP_PTC:A_call_setup, B_ISUP_PTC:B_call_setup)			
3		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
4		+check_communication			
5		CREATE (A_ISUP_PTC:A_call_release, B_ISUP_PTC:B_call_release)			
6		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
7		+check_idle			
8		+postamble			
		A_call_setup			
9		+A_SEND (IAM_s_AB_INN_ind_routing_not_allowed_MS RN (TCV_A_cic))			
10		+A_RECEIVE (ACM_m(TCV_A_cic))			
11		+A_RECEIVE (ANM_m (TCV_A_cic))			
		A_call_release			
12		+A_RECEIVE_CALL_REL			
		B_call_setup			
					Sets final verdict

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Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		+B_RECEIVE_cic (IAM_r_AB_INN_ind_routing_allowed_MSRN ('*'B))			
14		+B_SEND (ACM_m(TCV_B_cic))			
15		+B_SEND (ANM_m (TCV_B_cic))			
		B_call_release			
16		+B_SEND_CALL_REL			
<p>Detailed Comments : SPC SPA SPB</p> <pre> -----IAM-----> -----IAM-----> 1. PTC will initiate a call setup with the expected parameters. Implementation: ----- SPC SPA SPB !-----IAM----->!-----IAM----->! !<-----ACM-----!<-----ACM-----! ringing tone..... !<-----ANM-----!<-----ANM-----! check communication..... !<-----REL-----!<-----REL-----!</pre>					

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Test Case Dynamic Behaviour
<p>Detailed Comments : ... !-----RLC----->!-----RLC----->!</p>

Test Case Dynamic Behaviour					
Test Case Name : BC_V_1_9_IUT_INN_routing_not_allowed					
Group : ISUP_PLMN/BC/PLMN/					
Purpose : Check the use of Internal Network Number indicator					
Configuration : MTC_and_two_ISUP_PTCs					
Default :					
Comments : REFERENCE: 5.2.3.1.1 / DEN/SPS 01047-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+preamble			
2		CREATE (A_ISUP_PTC:A_call_setup, B_ISUP_PTC:B_call_setup)			
3		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
4		+check_communication			
5		CREATE (A_ISUP_PTC:A_call_release, B_ISUP_PTC:B_call_release)			
6		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
7		+check_idle			
8		+postamble			
		A_call_setup			
9		+A_SEND (IAM_s_AB_INN_ind_routing_allowed (TCV_A_cic))			
10		+A_RECEIVE (ACM_m(TCV_A_cic))			
11		+A_RECEIVE (ANM_m (TCV_A_cic))			
		A_call_release			
12		+A_RECEIVE_CALL_REL			
		B_call_setup			
					Sets final verdict

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Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		+B_RECEIVE_cic (IAM_r_AB_INN_ind_routing_not_allowed (**B))			
14		+B_SEND (ACM_m(TCV_B_cic))			
15		+B_SEND (ANM_m (TCV_B_cic))			
		B_call_release			
16		+B_SEND_CALL_REL			
<p>Detailed Comments : SPC SPA SPB</p> <pre> -----IAM-----> -----IAM-----> 1. PTC will initiate a call setup with the expected parameters. Implementation: ----- SPC SPA SPB !-----IAM----->!-----IAM----->! !<-----ACM-----!<-----ACM-----! ringing tone..... !<-----ANM-----!<-----ANM-----! check communication..... !<-----REL-----!<-----REL-----!</pre>					

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Test Case Dynamic Behaviour
<p>Detailed Comments : ... !-----RLC----->!-----RLC----->!</p>

Test Case Dynamic Behaviour					
Test Case Name : BC_V_1_10_IUT_USI_parameter					
Group : ISUP_PLMN/BC/PLMN/					
Purpose : To verify that USI (user service information) parameter is added in the IAM message when ISDN access indicator (bit M in Forward Call Indicators parameter) is set as ISDN access.					
Configuration : MTC_and_two_ISUP_PTCs					
Default :					
Comments : REFERENCE: 5.2.3.1.1 / DEN/SPS 01047-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+preamble			
2		CREATE (A_ISUP_PTC:A_call_setup, B_ISUP_PTC:B_call_setup)			
3		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
4		+check_communication			
5		CREATE (A_ISUP_PTC:A_call_release, B_ISUP_PTC:B_call_release)			
6		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
7		+check_idle			
8		+postamble			
		A_call_setup			
9		+A_SEND (IAM_s_AB_Calling_party_number (TCV_A_cic))			
10		+A_RECEIVE (ACM_m(TCV_A_cic))			
11		+A_RECEIVE (ANM_m (TCV_A_cic))			
		A_call_release			
12		+A_RECEIVE_CALL_REL			
		B_call_setup			
					Sets final verdict

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Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		+B_RECEIVE_cic (IAM_r_AB_USI_added (**B))			
14		+B_SEND (ACM_m(TCV_B_cic))			
15		+B_SEND (ANM_m (TCV_B_cic))			
		B_call_release			
16		+B_SEND_CALL_REL			

Detailed Comments : SPC SPA SPB
 -----IAM-----> -----IAM----->

1. PTC will initiate a call setup with the expected parameters.

Implementation:

 SPC SPA SPB
 !-----IAM----->!-----IAM----->!
 !<-----ACM-----!<-----ACM-----!
ringing tone.....
 !<-----ANM-----!<-----ANM-----!
check communication.....
 !<-----REL-----!<-----REL-----!

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Test Case Dynamic Behaviour
<p>Detailed Comments : ... !-----RLC----->!-----RLC----->!</p>

Test Case Dynamic Behaviour					
Test Case Name : BC_V_1_11_IUT_no_redirection_information					
Group : ISUP_PLMN/BC/PLMN/					
Purpose : To verify that the IUT does not include the redirection information.					
Configuration : MTC_and_two_ISUP_PTCs					
Default :					
Comments : REFERENCE: 5.2.3.1.1 / DEN/SPS 01047-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+preamble			
2		CREATE (A_ISUP_PTC:A_call_setup, B_ISUP_PTC:B_call_setup)			
3		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
4		+check_communication			
5		CREATE (A_ISUP_PTC:A_call_release, B_ISUP_PTC:B_call_release)			
6		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
7		+check_idle			
8		+postamble			
		A_call_setup			
9		+A_SEND (IAM_s_AB_Calling_party_number (TCV_A_cic))			
10		+A_RECEIVE (ACM_m(TCV_A_cic))			
11		+A_RECEIVE (ANM_m (TCV_A_cic))			
		A_call_release			
12		+A_RECEIVE_CALL_REL			
		B_call_setup			
					Sets final verdict

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Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		+B_RECEIVE_cic (IAM_r_AB_no_redirection_information ('*B))			
14		+B_SEND (ACM_m(TCV_B_cic))			
15		+B_SEND (ANM_m (TCV_B_cic))			
		B_call_release			
16		+B_SEND_CALL_REL			

Detailed Comments : SPC SPA SPB
 -----IAM-----> -----IAM----->

1. PTC will initiate a call setup with the expected parameters.

Implementation:

 SPC SPA SPB
 !-----IAM----->!-----IAM----->!
 !<-----ACM-----!<-----ACM-----!
ringing tone.....
 !<-----ANM-----!<-----ANM-----!
check communication.....
 !<-----REL-----!<-----REL-----!

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Test Case Dynamic Behaviour
<p>Detailed Comments : ... !-----RLC----->!-----RLC----->!</p>

Test Case Dynamic Behaviour					
Test Case Name : BC_V_1_12_IUT_INN_routing_allowed					
Group : ISUP_PLMN/BC/FIXED/					
Purpose : Check the use of Internal Network Number indicator					
Configuration : MTC_and_two_ISUP_PTCs					
Default :					
Comments : REFERENCE: 5.2.4.1.1 / DEN/SPS 01047-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+preamble			
2		CREATE (A_ISUP_PTC:A_call_setup, B_ISUP_PTC:B_call_setup)			
3		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
4		+check_communication			
5		CREATE (A_ISUP_PTC:A_call_release, B_ISUP_PTC:B_call_release)			
6		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
7		+check_idle			
8		+postamble			
		A_call_setup			
9		+A_RECEIVE_cic (IAM_r_BA_INN_ind_routing_allowed_MSRN ('*'B))			
10		+A_SEND (ACM_m(TCV_A_cic))			
11		+A_SEND (ANM_m (TCV_A_cic))			
		A_call_release			
12		+A_SEND_CALL_REL			
		B_call_setup			
					Sets final verdict

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Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		+B_SEND (IAM_s_BA_INN_ind_routing_not_allowed_MSRN (TCV_B_cic))			
14		+B_RECEIVE (ACM_m(TCV_B_cic))			
15		+B_RECEIVE (ANM_m (TCV_B_cic))			
		B_call_release			
16		+B_RECEIVE_CALL_REL			

Detailed Comments : SPC SPA SPB
 <-----IAM----- <-----IAM-----

1. PTC will initiate a call setup with the expected parameters.

Implementation:

```

    -----
    SPC SPA SPB
    !<-----IAM-----!<-----IAM-----!
    !-----ACM----->!-----ACM----->!
    .....ringing tone.....
    !-----ANM----->!-----ANM----->!
    .....check communication.....
    
```

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Test Case Dynamic Behaviour
<p>Detailed Comments : ...</p> <pre>!-----REL----->!-----REL----->! !<-----RLC-----!<-----RLC-----!</pre>

Test Case Dynamic Behaviour					
Test Case Name : BC_V_1_13_IUT_INN_routing_not_allowed					
Group : ISUP_PLMN/BC/FIXED/					
Purpose : Check the use of Internal Network Number indicator					
Configuration : MTC_and_two_ISUP_PTCs					
Default :					
Comments : REFERENCE: 5.2.4.2.1 / DEN/SPS 01047-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+preamble			
2		CREATE (A_ISUP_PTC:A_call_setup, B_ISUP_PTC:B_call_setup)			
3		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
4		+check_communication			
5		CREATE (A_ISUP_PTC:A_call_release, B_ISUP_PTC:B_call_release)			
6		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
7		+check_idle			
8		+postamble			
		A_call_setup			
9		+A_RECEIVE_cic (IAM_r_BA_INN_ind_routing_not_allowed (**B))			
10		+A_SEND (ACM_m(TCV_A_cic))			
11		+A_SEND (ANM_m (TCV_A_cic))			
		A_call_release			
12		+A_SEND_CALL_REL			
		B_call_setup			
					Sets final verdict

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Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		+B_SEND (IAM_s_BA_INN_ind_routing_allowed (TCV_B_cic))			
14		+B_RECEIVE (ACM_m(TCV_B_cic))			
15		+B_RECEIVE (ANM_m (TCV_B_cic))			
		B_call_release			
16		+B_RECEIVE_CALL_REL			

Detailed Comments : SPC SPA SPB
 <-----IAM-----<-----IAM-----

1. PTC will initiate a call setup with the expected parameters.

Implementation:

 SPC SPA SPB
 !<-----IAM-----!<-----IAM-----!
 !-----ACM----->!-----ACM----->!
ringing tone.....
 !-----ANM----->!-----ANM----->!
check communication.....
 !-----REL----->!-----REL----->!

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Test Case Dynamic Behaviour
<p>Detailed Comments : ... !<-----RLC-----!<-----RLC-----!</p>

Test Case Dynamic Behaviour					
Test Case Name : BC_V_1_14_IUT_FCI_international_call					
Group : ISUP_PLMN/BC/FIXED/					
Purpose : Forward Call Indicator information in the IAM should pass the GMSC					
Configuration : MTC_and_two_ISUP_PTCs					
Default :					
Comments : REFERENCE: 5.2.4.2.1 / DEN/SPS 01047-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+preamble			
2		CREATE (A_ISUP_PTC:A_call_setup, B_ISUP_PTC:B_call_setup)			
3		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
4		+check_communication			
5		CREATE (A_ISUP_PTC:A_call_release, B_ISUP_PTC:B_call_release)			
6		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
7		+check_idle			
8		+postamble			
		A_call_setup			
9		+A_RECEIVE_cic (IAM_r_BA_FCI_international ('*'B))			
10		+A_SEND (ACM_m(TCV_A_cic))			
11		+A_SEND (ANM_m (TCV_A_cic))			
		A_call_release			
12		+A_SEND_CALL_REL			
		B_call_setup			
					Sets final verdict

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Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		+B_SEND (IAM_s_BA_FCI_international (TCV_B_cic))			
14		+B_RECEIVE (ACM_m(TCV_B_cic))			
15		+B_RECEIVE (ANM_m (TCV_B_cic))			
		B_call_release			
16		+B_RECEIVE_CALL_REL			
<p>Detailed Comments : SPC SPA SPB</p> <pre> <-----IAM----- <-----IAM----- </pre> <hr/> <p>1. PTC will initiate a call setup with the expected parameters.</p> <p>Implementation:</p> <pre> ----- SPC SPA SPB !<-----IAM-----!<-----IAM-----! !-----ACM----->!-----ACM----->!ringing tone..... !-----ANM----->!-----ANM----->!check communication..... !-----REL----->!-----REL----->! </pre>					

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Test Case Dynamic Behaviour
<p>Detailed Comments : ... !<-----RLC-----!<-----RLC-----!</p>

Test Case Dynamic Behaviour					
Test Case Name : BC_V_1_15_IUT_REL_with_cause_20					
Group : ISUP_PLMN/BC/FIXED/					
Purpose : Forward Call Indicator information in the IAM should pass the GMSC					
Configuration : MTC_and_two_ISUP_PTCs					
Default :					
Comments : REFERENCE: 5.2.4.1.1 / DEN/SPS 01047-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+preamble			
2		CREATE (A_ISUP_PTC:A_call_setup, B_ISUP_PTC:B_call_setup)			
3		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
4		+check_communication			
5		CREATE (A_ISUP_PTC:A_call_release, B_ISUP_PTC:B_call_release)			
6		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
7		+check_idle			
8		+postamble			
		A_call_setup			
9		+A_RECEIVE_cic (IAM_r_BA_FCI_international ('*B))			
10		+A_SEND (ACM_m(TCV_A_cic))			
11		+A_SEND (ANM_m (TCV_A_cic))			
		A_call_release			
12		+A_SEND_CALL_REL_CAUSE_20			
		B_call_setup			
					Sets final verdict

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Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		+B_SEND (IAM_s_BA_FCI_international (TCV_B_cic))			
14		+B_RECEIVE (ACM_m(TCV_B_cic))			
15		+B_RECEIVE (ANM_m (TCV_B_cic))			
		B_call_release			
16		+B_RECEIVE_CALL_REL_with_cause_20			
<p>Detailed Comments : SPC SPA SPB</p> <pre> <-----IAM----- <-----IAM----- </pre> <hr/> <p>1. PTC will initiate a call setup with the expected parameters.</p> <p>Implementation:</p> <pre> ----- SPC SPA SPB !<-----IAM-----!<-----IAM-----! !-----ACM----->!-----ACM----->!ringing tone..... !-----ANM----->!-----ANM----->!check communication..... !-----REL----->!-----REL----->! </pre>					

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Test Case Dynamic Behaviour
<p>Detailed Comments : ... !<-----RLC-----!<-----RLC-----!</p>

Test Case Dynamic Behaviour

Test Case Name : ISDN_SS_V_2_1_IUT_CgPN_NatAdri_international

Group : ISUP_PLMN/ISDN_SS/CLIP/

Purpose : To verify that the IUT can convert the calling party number into an international number, setting the nature of address indicator to "international Number" and can pass on the address presentation indicator and screening indicator transparently.

Configuration : MTC_and_two_ISUP_PTCs

Default :

Comments : REFERENCE: 6.1.1.1 / EN 300 646-1

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+preamble			
2		CREATE (A_ISUP_PTC:A_call_setup, B_ISUP_PTC:B_call_setup)			
3		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
4		+check_communication			
5		CREATE (A_ISUP_PTC:A_call_release, B_ISUP_PTC:B_call_release)			
6		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
7		+check_idle			
8		+postamble			
9		A_call_setup +A_SEND (IAM_s_AB_National_calling_party_number_generic_number (TCV_A_cic))			
10		+A_RECEIVE (ACM_m(TCV_A_cic))			
11		+A_RECEIVE (ANM_m (TCV_A_cic))			Sets final verdict

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Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
12		A_call_release +A_RECEIVE_CALL_REL			
13		B_call_setup +B_RECEIVE_cic (IAM_r_AB_International_CgPN_and_GenNb_addCgPN ('*B))			
14		+B_SEND (ACM_m(TCV_B_cic))			
15		+B_SEND (ANM_m (TCV_B_cic))			
16		B_call_release +B_SEND_CALL_REL			

Detailed Comments :

```

      SPC              SPA              SPB
      -----IAM-----> -----IAM----->

_____
1. PTC will initiate a call setup with the expected parameters.

Implementation:
-----
TTCN              IUT              TTCN
!-----IAM----->!-----IAM----->! (IAM sets calling party number to international number)
!<-----ACM-----!<-----ACM-----!

.....ringing tone.....
!<-----ANM-----!<-----ANM-----!
    
```

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Test Case Dynamic Behaviour
<p>Detailed Comments : ...</p> <p>.....check communication.....</p> <p>!<-----REL-----!<-----REL-----! !-----RLC----->!-----RLC----->!</p>

Test Case Dynamic Behaviour					
Test Case Name : ISDN_SS_V_2_2_IUT_CgPN_not_transferred_if_address_notavailable					
Group : ISUP_PLMN/ISDN_SS/CLIP/					
Purpose : To verify that the IUT transfer neither the calling party number nor the generic number (add. calling party number) if IAM received with calling party number and address presentation restriction indicator set to address not available.					
Configuration : MTC_and_two_ISUP_PTCs					
Default :					
Comments : REFERENCE: 6.1.1.1 / EN 300 646-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+preamble			
2		CREATE (A_ISUP_PTC:A_call_setup, B_ISUP_PTC:B_call_setup)			
3		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
4		+check_communication			
5		CREATE (A_ISUP_PTC:A_call_release, B_ISUP_PTC:B_call_release)			
6		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
7		+check_idle			
8		+postamble			
		A_call_setup			
9		+A_RECEIVE_cic (IAM_r_AB_no_Calling_party_number (**B))			
10		+A_SEND (ACM_m(TCV_A_cic))			
11		+A_SEND (ANM_m (TCV_A_cic))			
		A_call_release			
12		+A_SEND_CALL_REL			
					Sets final verdict

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Test Case Dynamic Behaviour
<p>Detailed Comments : ...</p> <p style="text-align: center;">!-----REL----->!-----REL----->! !<-----RLC-----!<-----RLC-----!</p>

Test Case Dynamic Behaviour					
Test Case Name : ISDN_SS_V_2_3_IUT_GenNb_not_transferred_if_screening_ind_user_provided					
Group : ISUP_PLMN/ISDN_SS/CLIP/					
Purpose : To verify that the IUT not transfers the generic number (add. calling party number) if IAM received with screening indicator set user provided.					
Configuration : MTC_and_two_ISUP_PTCs					
Default :					
Comments : REFERENCE: 6.1.1.1 / DEN/SPS-01047-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+preamble			
2		CREATE (A_ISUP_PTC:A_call_setup, B_ISUP_PTC:B_call_setup)			
3		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
4		+check_communication			
5		CREATE (A_ISUP_PTC:A_call_release, B_ISUP_PTC:B_call_release)			
6		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
7		+check_idle			
8		+postamble			
		A_call_setup			
9		+A_RECEIVE_cic (IAM_r_BA_no_GenNb_addCngPn (**B))			
10		+A_SEND (ACM_m(TCV_A_cic))			
11		+A_SEND (ANM_m (TCV_A_cic))			
		A_call_release			
12		+A_SEND_CALL_REL			
		B_call_setup			
					Sets final verdict

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Test Case Dynamic Behaviour
<p>Detailed Comments : ...</p> <pre>!-----REL----->!-----REL----->! !<-----RLC-----!<-----RLC-----!</pre>

Test Case Dynamic Behaviour					
Test Case Name : ISDN_SS_V_2_4_IUT_GenNb_passed_in_IAM					
Group : ISUP_PLMN/ISDN_SS/CLIP/					
Purpose : To verify that the calling party number and additional calling party number in the generic number can be successfully transferred to the succeeding exchange					
Configuration : MTC_and_two_ISUP_PTCs					
Default :					
Comments : REFERENCE: 6.1.1.1 / EN 300 646-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+preamble			
2		CREATE (A_ISUP_PTC:A_call_setup, B_ISUP_PTC:B_call_setup)			
3		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
4		+check_communication			
5		CREATE (A_ISUP_PTC:A_call_release, B_ISUP_PTC:B_call_release)			
6		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
7		+check_idle			
8		+postamble			
		A_call_setup			
9		+A_RECEIVE_cic (IAM_r_AB_Generic_number ('*B))			
10		+A_SEND (ACM_m(TCV_A_cic))			
11		+A_SEND (ANM_m (TCV_A_cic))			
		A_call_release			
12		+B_RECEIVE_CALL_REL			Sets final verdict

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Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		B_call_setup			
14		+B_SEND (IAM_s_BA_GenNb_addCngPN (TCV_A_cic))			
15		+B_RECEIVE (ACM_m(TCV_B_cic))			
16		+B_RECEIVE (ANM_m (TCV_B_cic))			
		B_call_release			
		+B_SEND_CALL_REL			
<p>Detailed Comments : SPC SPA SPB</p> <pre> <-----IAM----- <-----IAM----- </pre> <hr/> <p>1. PTC will initiate a call setup with the expected parameters.</p> <p>Implementation:</p> <pre> ----- TTCN IUT TTCN !<-----IAM-----!<-----IAM-----! (IAM with generic number) !-----ACM----->! -----ACM----->! ringing tone..... !-----ANM----->!-----ANM----->! check communication..... !<-----REL----- !<-----REL-----! </pre>					

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Test Case Dynamic Behaviour
<p>Detailed Comments : ... !-----RLC----->!-----RLC----->!</p>

Test Case Dynamic Behaviour					
Test Case Name : ISDN_SS_V_2_5_a_IUT_ConNb_NatAdrl_to_international_number_ANM					
Group : ISUP_PLMN/ISDN_SS/COLP/					
Purpose : To verify that the IUT can convert the connected number into an international number, setting the nature of address indicator to "international number", and can pass on the address presentation restricted indicator and the screening indicator transparently.					
Configuration : MTC_and_two_ISUP_PTCs					
Default :					
Comments : REFERENCE: 6.1.1.2 / EN 300 646-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+preamble			
2		CREATE (A_ISUP_PTC:A_call_setup, B_ISUP_PTC:B_call_setup)			
3		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
4		+check_communication			
5		CREATE (A_ISUP_PTC:A_call_release, B_ISUP_PTC:B_call_release)			
6		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
7		+check_idle			
8		+postamble			
9		A_call_setup +A_RECEIVE_cic (IAM_r_AB_COLP_in_optional_forward_call_indicator ('*B))			
10		+A_SEND (ACM_m(TCV_B_cic))			
11		+A_SEND (ANM_s_BA_National_connected_number (TCV_B_cic))			Sets final verdict

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Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
12		A_call_release +A_SEND_CALL_REL			
13		B_call_setup +B_SEND (IAM_s_AB_COLP_in_optional_forward_call_indicator (TCV_A_cic))			
14		+B_RECEIVE (ACM_m(TCV_A_cic))			
15		+B_RECEIVE (ANM_r_BA_International_connected_number (TCV_A_cic))			
16		B_call_release +B_RECEIVE_CALL_REL			
<p>Detailed Comments : SPC SPA SPB</p> <pre> <-----IAM-----<-----IAM----- -----ACM-----> -----ACM----->ringing tone..... -----ANM-----> -----ANM-----> </pre> <hr/> <p>1. PTC will initiate a call setup with the expected parameters. 2. Provide national (significant) ConNb.</p> <p>Implementation:</p> <pre> ----- TTCN IUT TTCN !<-----IAM-----!<-----IAM-----! (IAM with COLP in optional fwd call indicator) !-----ACM----->!-----ACM----->! </pre>					

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Test Case Dynamic Behaviour

Detailed Comments : ...

```
.....ringing tone.....  
!-----ANM----->! (ANM with national connected number)  
!-----ANM----->! (ANM with connected number as  
"international number")  
.....check communication.....  
  
!-----REL----->!-----REL----->!  
!<-----RLC-----!<-----RLC-----!
```

Test Case Dynamic Behaviour					
Test Case Name : ISDN_SS_V_2_5_b_IUT_ConNb_NatAdrl_to_international_number_CON					
Group : ISUP_PLMN/ISDN_SS/COLP/					
Purpose : To verify that the exchange can convert the connected number into an international number, setting the nature of address indicator to "international number", and can pass on the address presentation restricted indicator and the screening indicator transparently.					
Configuration : MTC_and_two_ISUP_PTCs					
Default :					
Comments : REFERENCE: 6.1.1.2 / EN 300 646-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+preamble			
2		CREATE (A_ISUP_PTC:A_call_setup, B_ISUP_PTC:B_call_setup)			
3		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
4		+check_communication			
5		CREATE (A_ISUP_PTC:A_call_release, B_ISUP_PTC:B_call_release)			
6		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
7		+check_idle			
8		+postamble			
9		A_call_setup +A_RECEIVE_cic (IAM_r_AB_COLP_in_optional_forward_call_indicator ('*B))			
10		+A_SEND (CON_s_BA_National_connected_number (TCV_A_cic)) A_call_release			Sets final verdict

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Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
11		+A_SEND_CALL_REL			
		B_call_setup			
12		+B_SEND (IAM_s_AB_COLP_in_optional_forward_call_indicator (TCV_A_cic))			
13		+B_RECEIVE (CON_r_BA_International_connected_number (TCV_B_cic))			
		B_call_release			
14		+B_RECEIVE_CALL_REL			
<p>Detailed Comments : SPC SPA SPB</p> <pre> <-----IAM----- <-----IAM----- -----CON-----> -----CON-----> </pre> <hr/> <p>1. PTC will initiate a call setup with the expected parameters. 2. Provide national (significant) ConNb.</p> <p>Implementation:</p> <pre> ----- TTCN IUT TTCN !<-----IAM-----!<-----IAM-----! (IAM with COLP in optional fwd call indicator) !-----CON----->! (CON with connected number as "national number") !-----CON----->! (CON with international connected number) </pre> <p>.....check communication.....</p>					

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Test Case Dynamic Behaviour
<p>Detailed Comments : ...</p> <p>!-----REL----->!-----REL-----> !<-----RLC-----!<-----RLC-----!</p>

Test Case Dynamic Behaviour					
Test Case Name : ISDN_SS_V_2_6_USI_over_35_octets_not_transferred					
Group : ISUP_PLMN/ISDN_SS/UUS/					
Purpose : Discarding User to user information					
Configuration : MTC_and_two_ISUP_PTCs					
Default :					
Comments : REFERENCE: 6.1.1.4 / DEN/SPS 01047-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+preamble			
2		CREATE (A_ISUP_PTC:A_call_setup, B_ISUP_PTC:B_call_setup)			
3		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
4		+check_communication			
5		CREATE (A_ISUP_PTC:A_call_release, B_ISUP_PTC:B_call_release)			
6		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
7		+check_idle			
8		+postamble			
		A_call_setup			
9		+A_RECEIVE_cic (IAM_r_BA_no_USI (**B))			
10		+A_SEND (ACM_m(TCV_A_cic))			
11		+A_SEND (ANM_m (TCV_A_cic))			
		A_call_release			
12		+A_SEND_CALL_REL			
		B_call_setup			
					Sets final verdict

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Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		+B_SEND (IAM_s_BA_UserToUserInfo_36_oct (TCV_B_cic))			
14		+B_RECEIVE (ACM_m(TCV_B_cic))			
15		+B_RECEIVE (ANM_m (TCV_B_cic))			
		B_call_release			
16		+B_RECEIVE_CALL_REL			

Detailed Comments : SPC SPA SPB
 <-----IAM----- <-----IAM-----

1. PTC will initiate a call setup with the expected parameters.

Implementation:

 SPC SPA SPB
 !<-----IAM-----!<-----IAM-----!
 !-----ACM----->!-----ACM----->!
ringing tone.....
 !-----ANM----->!-----ANM----->!
check communication.....
 !-----REL----->!-----REL----->!

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Test Case Dynamic Behaviour
<p>Detailed Comments : ... !<-----RLC-----!<-----RLC-----!</p>

Test Case Dynamic Behaviour					
Test Case Name : ISDN_SS_V_2_7_CgPN_NatAdrl_to_international_IRS					
Group : ISUP_PLMN/ISDN_SS/MCID/					
Purpose : Nature of address from national to international					
Configuration : MTC_and_two_ISUP_PTCs					
Default :					
Comments : REFERENCE: 9.4.1 /ETS 300 356-11					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+preamble			
2		CREATE (A_ISUP_PTC:A_call_setup, B_ISUP_PTC:B_call_setup)			
3		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
4		CREATE (A_ISUP_PTC:A_call_release, B_ISUP_PTC:B_call_release)			
5		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
6		CREATE (A_ISUP_PTC:A_step3, B_ISUP_PTC:B_step3)			
7		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
8		CREATE (A_ISUP_PTC:A_step4, B_ISUP_PTC:B_step4)			
9		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
10		+postamble			sets final verdict
11		A_call_setup + A_SEND (IAM_s_AB_no_CgPN_no_GenNb (TCV_A_cic)) A_call_release			

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Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
12		START T_A_STEP			Verify that no response is received
13		? TIMEOUT T_A_STEP		(P)	
14		A_PCO ? OTHERWISE CANCEL T_A_STEP		(F)	
		A_step3			
15		+A_RECEIVE (ACM_m(TCV_A_cic))			
16		+A_RECEIVE (ANM_m (TCV_A_cic))			
		A_step4			
17		+A_RECEIVE_CALL_REL			
		B_call_setup			
18		+ B_RECEIVE_cic (IAM_r_AB_Calling_party_number_own_country_without_prefix ('**B)			
		B_call_release			
19		+B_SEND (IDR_s_BA_MCID_request_indicators (TCV_B_cic))			
20		+ B_RECEIVE (IRS_r_MCID_CgPN_even_international (TCV_B_cic)			
		B_step3			
21		+B_SEND (ACM_m(TCV_B_cic))			
22		+B_SEND (ANM_m (TCV_B_cic))			
		B_step4			
23		+B_SEND_CALL_REL			

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Test Case Dynamic Behaviour					
Test Case Name : ISDN_SS_V_2_7_GenNb_addCgPn_NatAdrl_to_international_IRS					
Group : ISUP_PLMN/ISDN_SS/MCID/					
Purpose : Nature of address from national to international					
Configuration : MTC_and_two_ISUP_PTCs					
Default :					
Comments : REFERENCE: 9.4.1 /ETS 300 356-11					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+preamble			
2		CREATE (A_ISUP_PTC:A_call_setup, B_ISUP_PTC:B_call_setup)			
3		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
4		CREATE (A_ISUP_PTC:A_call_release, B_ISUP_PTC:B_call_release)			
5		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
6		CREATE (A_ISUP_PTC:A_step3, B_ISUP_PTC:B_step3)			
7		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
8		CREATE (A_ISUP_PTC:A_step4, B_ISUP_PTC:B_step4)			
9		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
10		+postamble			
11		A_call_setup + A_SEND (IAM_s_AB_CallingPartyNumber_national (TCV_A_cic)) A_call_release			sets final verdict

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Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
12		START T_A_STEP			Verify that no response is received
13		? TIMEOUT T_A_STEP		(P)	
14		A_PCO ? OTHERWISE CANCEL T_A_STEP		(F)	
		A_step3			
15		+A_RECEIVE (ACM_m(TCV_A_cic))			
16		+A_RECEIVE (ANM_m (TCV_A_cic))			
		A_step4			
17		+A_RECEIVE_CALL_REL			
		B_call_setup			
18		+ B_RECEIVE_cic (IAM_r_AB_Calling_party_number_own_country_without_prefix ('**B)			
		B_call_release			
19		+B_SEND (IDR_s_BA_MCID_request_indicators (TCV_B_cic))			
20		+ B_RECEIVE (IRS_r_MCID_GenNb_add_CgPN_even_international (TCV_B_cic))			
		B_step3			
21		+B_SEND (ACM_m(TCV_B_cic))			
22		+B_SEND (ANM_m (TCV_B_cic))			
		B_step4			
23		+B_SEND_CALL_REL			

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Test Case Dynamic Behaviour					
Test Case Name : ISDN_SS_V_2_9_CTNb_NatAdrl_from_nat_to_int_FAC					
Group : ISUP_PLMN/ISDN_SS/ECT/					
Purpose : To verify that the IUT converts call transfer number (CTNb) to international format. The nature of address indicator (NatAdrl) shall be set to "international number"					
Configuration : MTC_and_two_ISUP_PTCs					
Default :					
Comments : REFERENCE: 6.1.1.9 / DEN/SPS 01047-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+preamble			
2		CREATE (A_ISUP_PTC:A_call_setup, B_ISUP_PTC:B_call_setup)			
3		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
4		+check_communication			
5		CREATE (A_ISUP_PTC:A_call_release, B_ISUP_PTC:B_call_release)			
6		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
7		+check_idle			
8		+postamble			
		A_call_setup			
9		+A_RECEIVE_cic (IAM_r_AB (**B))			
10		+A_SEND (ACM_m (TCV_A_cic))			
11		+A_SEND (ANM_m (TCV_A_cic))			
12		+A_RECEIVE (FAC_r_BA_International_call_transfer_number_and_generic_notif ication_ind_ct_active (TCV_A_cic))			Sets final verdict

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Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		A_call_release +A_SEND_CALL_REL			
14		B_call_setup +B_SEND (IAM_s_AB (TCV_B_cic))			
15		+B_RECEIVE (ACM_m (TCV_B_cic))			
16		+B_RECEIVE (ANM_m (TCV_B_cic))			
17		+B_SEND (FAC_s_BA_National_call_transfer_number_and_generic_notificat ion_ind_ct_active (TCV_B_cic))			
18		B_call_release +B_RECEIVE_CALL_REL			
<p>Detailed Comments : SPC SPA SPB</p> <pre> <-----IAM----- <-----IAM----- -----ACM-----> -----ACM-----> -----ANM-----> <-----ANM-----> <-----FAC----- <-----FAC----- CTNb converted to international format -----REL-----> -----REL-----> <-----RLC----- <-----RLC----- </pre> <p>1. Initiate a call from the UNI at SPC. UNI at SPC will indicate a call transfer 2. FAC with a GenNot : 'Call transfer, active' and international CTNb.</p>					

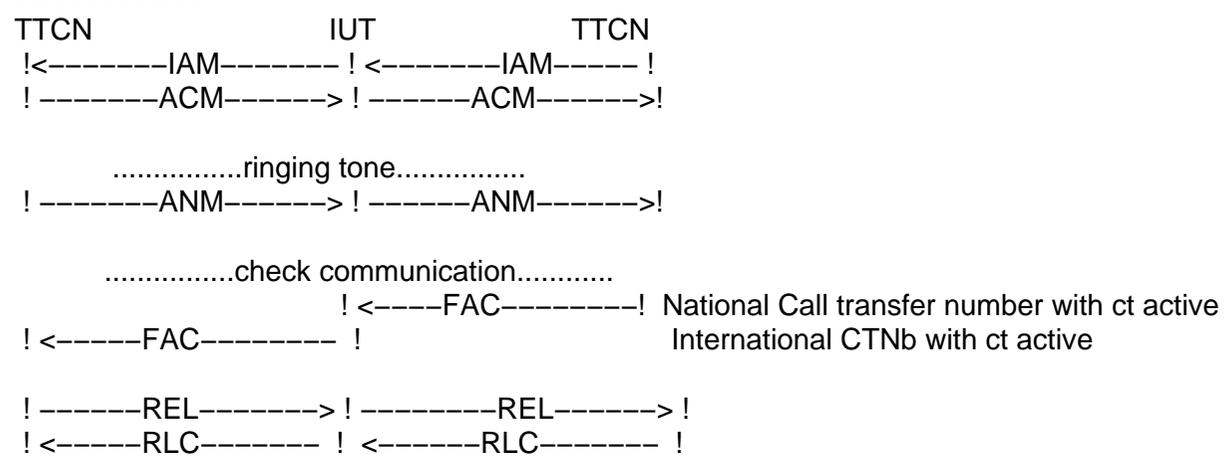
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Test Case Dynamic Behaviour

Detailed Comments : ...

Implementation:



Test Case Dynamic Behaviour					
Test Case Name : ISDN_SS_V_2_10_CTNb_NatAdrl_from_nat_to_int_CPG					
Group : ISUP_PLMN/ISDN_SS/ECT/					
Purpose : To verify that the IUT converts the call transfer number (CTNb) to international format. The nature of address indicator (NatAdrl) shall be set to "international number".					
Configuration : MTC_and_two_ISUP_PTCs					
Default :					
Comments : REFERENCE: 6.1.1.9 / DEN/SPS 01047-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+preamble			
2		CREATE (A_ISUP_PTC:A_call_setup, B_ISUP_PTC:B_call_setup)			
3		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
4		+check_communication			
5		CREATE (A_ISUP_PTC:A_call_release, B_ISUP_PTC:B_call_release)			
6		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
7		+check_idle			
8		+postamble			
		A_call_setup			
9		+A_RECEIVE_cic (IAM_r_AB (**B))			
10		+A_SEND (ACM_m (TCV_A_cic))			
11		+A_RECEIVE (CPG_r_BA_International_call_transfer_number_and_generic_notifi cation_ind_ct_active (TCV_A_cic))			
12		+A_SEND (ANM_m (TCV_A_cic))			Sets final verdict

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Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		A_call_release +A_SEND_CALL_REL			
14		B_call_setup +B_SEND (IAM_s_AB (TCV_B_cic))			
15		+B_RECEIVE (ACM_m (TCV_B_cic))			
16		+B_SEND (CPG_s_BA_National_call_transfer_number_and_generic_notificati on_ind_ct_active (TCV_B_cic))			
17		+B_RECEIVE (ANM_m (TCV_B_cic))			
18		B_call_release +B_RECEIVE_CALL_REL			
<p>Detailed Comments : SPC SPA SPB</p> <pre> <-----IAM----- <-----IAM----- -----ACM-----> -----ACM-----> <-----CPG----- <----CPG----- CTNnb international -----ANM-----> <-----ANM-----> -----REL-----> -----REL-----> <-----RLC----- <-----RLC----- </pre> <p>1. Initiate a call from the UNI at SPC. UNI at SPC will indicate a call transfer 2. CPG with a GenNot : 'Call transfer, active' and international CTNnb.</p>					

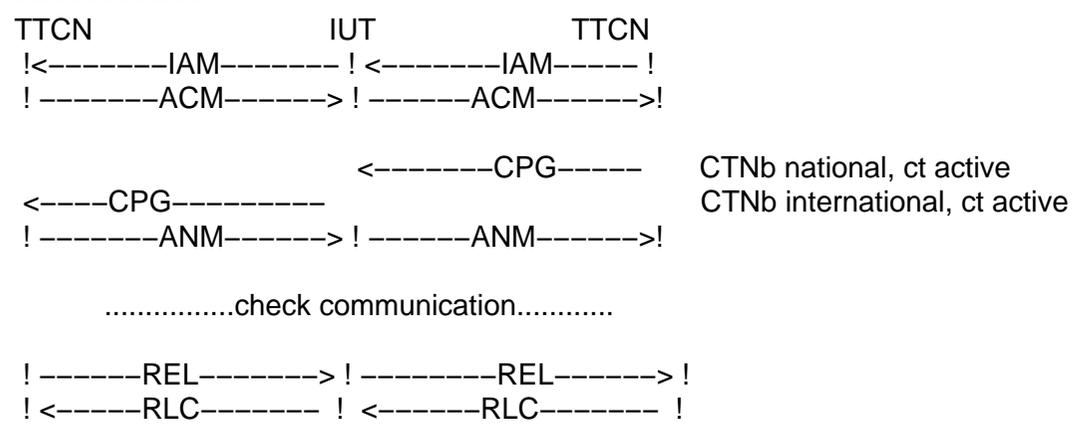
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Test Case Dynamic Behaviour

Detailed Comments : ...

Implementation:



Test Case Dynamic Behaviour

Test Case Name : ISDN_SS_V_2_11_OriCdNb_and_RgNb_NatAdrl_from_nat_to_int_

Group : ISUP_PLMN/ISDN_SS/CFU/

Purpose : To verify that the nature of address indicator (NatAdrl) in Original Called Number (OriCdNb) and Redirecting Number (RgNb) parameters are modified by GMSC from national to international and the country code is added to the address digit. Originating gateway exchange (SPB) and GMSC (SPA) are located in the same country but terminating gateway exchange (SPC) and GMSC in different country.

Configuration : MTC_and_two_ISUP_PTCs

Default :

Comments : REFERENCE: 6.1.1.10 / DEN/SPS 01047-1

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+preamble			
2		CREATE (A_ISUP_PTC:A_call_setup, B_ISUP_PTC:B_call_setup)			
3		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
4		+check_communication			
5		CREATE (A_ISUP_PTC:A_call_release, B_ISUP_PTC:B_call_release)			
6		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
7		+check_idle			
8		+postamble			
9		A_call_setup +A_RECEIVE_cic (IAM_r_BA_After_redirection_CFU_with_international_original_called_ number (**B))			Sets final verdict
10		+A_SEND (ACM_m (TCV_A_cic))			1.
11		+A_SEND (ANM_m (TCV_A_cic))			

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Test Case Dynamic Behaviour

Detailed Comments : ...

1. The PTC will send an IAM with a national (significant) OriCdNb.

Test Case Dynamic Behaviour

Test Case Name : ISDN_SS_V_2_12_RnNb_NatAdrl_from_nat_to_int_

Group : ISUP_PLMN/ISDN_SS/CFU/

Purpose : To verify that the nature of address indicator (NatAdrl) in Redirection Number (RnNb) parameter are modified by GMSC from national to international and the country code is added to the address digit. Originating gateway exchange (SPB) and GMSC (SPA) are located in different country but terminating gateway exchange (SPC) and GMSC in the same country.

Configuration : MTC_and_two_ISUP_PTCs

Default :

Comments : REFERENCE: 6.1.1.10 / DEN/SPS 01047-1

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+preamble			
2		CREATE (A_ISUP_PTC:A_call_setup, B_ISUP_PTC:B_call_setup)			
3		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
4		+check_communication			
5		CREATE (A_ISUP_PTC:A_call_release, B_ISUP_PTC:B_call_release)			
6		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
7		+check_idle			
8		+postamble			
9		A_call_setup +A_RECEIVE_cic (IAM_r_BA_After_redirection_CFU_with_international_original_called_ number (**B))			Sets final verdict
10		+A_SEND (ACM_m (TCV_A_cic))			1.
11		+A_SEND (ANM_m (TCV_A_cic))			

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Test Case Dynamic Behaviour

Detailed Comments : ...

1. The PTC will send an IAM with a national (significant) OriCdNb.

Test Case Dynamic Behaviour

Test Case Name : ISDN_SS_V_2_13_OriCdNb_and_RgNb_NatAdrl_from_nat_to_int_

Group : ISUP_PLMN/ISDN_SS/CFB/

Purpose : To verify that the nature of address indicator (NatAdrl) in Original Called Number (OriCdNb) and Redirecting Number (RgNb) parameters are modified by GMSC from national to international and the country code is added to the address digit. Originating gateway exchange (SPB) and GMSC (SPA) are located in the same country but terminating gateway exchange (SPC) and GMSC in different country.

Configuration : MTC_and_two_ISUP_PTCs

Default :

Comments : REFERENCE: 6.1.1.10 / DEN/SPS 01047-1

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+preamble			
2		CREATE (A_ISUP_PTC:A_call_setup, B_ISUP_PTC:B_call_setup)			
3		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
4		+check_communication			
5		CREATE (A_ISUP_PTC:A_call_release, B_ISUP_PTC:B_call_release)			
6		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
7		+check_idle			
8		+postamble			
9		A_call_setup +A_RECEIVE_cic (IAM_r_BA_After_redirection_CFB_with_international_original_called_ number (*B))			Sets final verdict
10		+A_SEND (ACM_m (TCV_A_cic))			1.

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Test Case Dynamic Behaviour

Detailed Comments : ...

- 1. The PTC will send an IAM with a national (significant) OriCdNb.

Test Case Dynamic Behaviour

Test Case Name : ISDN_SS_V_2_14_RnNb_NatAdrl_from_nat_to_int

Group : ISUP_PLMN/ISDN_SS/CFB/

Purpose : To verify that the nature of address indicator (NatAdrl) in Redirection Number (RnNb) parameters are modified by GMSC from national to international and the country code is added to the address digit. Originating gateway exchange (SPB) and GMSC (SPA) are located in different country but terminating gateway exchange (SPC) and GMSC in the same country.

Configuration : MTC_and_two_ISUP_PTCs

Default :

Comments : REFERENCE: 6.1.1.10 / DEN/SPS 01047-1

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+preamble			
2		CREATE (A_ISUP_PTC:A_call_setup, B_ISUP_PTC:B_call_setup)			
3		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
4		+check_communication			
5		CREATE (A_ISUP_PTC:A_call_release, B_ISUP_PTC:B_call_release)			
6		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
7		+check_idle			
8		+postamble			
9		A_call_setup +A_RECEIVE_cic (IAM_r_BA_After_redirection_CFB_with_international_original_called_ number (**B))			Sets final verdict
10		+A_SEND (ACM_m (TCV_A_cic))			1.
11		+A_SEND (ANM_m (TCV_A_cic))			

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Test Case Dynamic Behaviour

Detailed Comments : ...

1. The PTC will send an IAM with a national (significant) OriCdNb.

Test Case Dynamic Behaviour

Test Case Name : ISDN_SS_V_2_15_OriCdNb_and_RgNb_NatAdrl_from_nat_to_int

Group : ISUP_PLMN/ISDN_SS/CFNR/

Purpose : To verify that the nature of address indicator (NatAdrl) in Original Called Number (OriCdNb) and Redirecting Number (RgNb) parameters are modified by GMSC from national to international and the country code is added to the address digit. Originating gateway exchange (SPB) and GMSC (SPA) are located in the same country but terminating gateway exchange (SPC) and GMSC in different country.

Configuration : MTC_and_two_ISUP_PTCs

Default :

Comments : REFERENCE: 6.1.1.10 / DEN/SPS 01047-1

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+preamble			
2		CREATE (A_ISUP_PTC:A_call_setup, B_ISUP_PTC:B_call_setup)			
3		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
4		+check_communication			
5		CREATE (A_ISUP_PTC:A_call_release, B_ISUP_PTC:B_call_release)			
6		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
7		+check_idle			
8		+postamble			Sets final verdict
9		A_call_setup +A_RECEIVE_cic (IAM_r_BA_After_redirection_CFNR_with_international_original_called_number (**B))			
10		+A_SEND (ACM_m (TCV_A_cic))			1.

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Test Case Dynamic Behaviour
<p>Detailed Comments : ...</p> <hr/> <ol style="list-style-type: none"><li>1. The PTC will send an IAM with a national (significant) OriCdNb.

Test Case Dynamic Behaviour

Test Case Name : ISDN_SS_V_2_16_RnNb_NatAdrl_from_nat_to_int

Group : ISUP_PLMN/ISDN_SS/CFNR/

Purpose : To verify that the nature of address indicator (NatAdrl) in Original Called Number (OriCdNb) and Redirecting Number (RgNb) parameters are modified by GMSC from national to international and the country code is added to the address digit. Originating gateway exchange (SPB) and GMSC (SPA) are located in the same country but terminating gateway exchange (SPC) and GMSC in different country.

Configuration : MTC_and_two_ISUP_PTCs

Default :

Comments : REFERENCE: 6.1.1.10 / DEN/SPS 01047-1

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+preamble			
2		CREATE (A_ISUP_PTC:A_call_setup, B_ISUP_PTC:B_call_setup)			
3		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
4		+check_communication			
5		CREATE (A_ISUP_PTC:A_call_release, B_ISUP_PTC:B_call_release)			
6		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
7		+check_idle			
8		+postamble			Sets final verdict
9		A_call_setup +A_RECEIVE_cic (IAM_r_BA_After_redirection_CFNR_with_international_original_called_number (**B))			
10		+A_SEND (ACM_m (TCV_A_cic))			1.

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Test Case Dynamic Behaviour

Detailed Comments : ...

1. The PTC will send an IAM with a national (significant) OriCdNb.

Test Case Dynamic Behaviour					
Test Case Name : ISDN_SS_V_2_17_and_RgNb_NatAdrl_from_nat_to_int_OriCdNb					
Group : ISUP_PLMN/ISDN_SS/CCBS/					
Purpose : To verify that the CCBS not possible indication is passed by the GMSC when CCBS service is not supported in PLMN					
Configuration : MTC_and_two_ISUP_PTCs					
Default :					
Comments : REFERENCE: 6.1.1.13 / DEN/SPS 01047-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+preamble			
2		CREATE (A_ISUP_PTC:A_call_setup, B_ISUP_PTC:B_call_setup)			
3		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
4		CREATE (A_ISUP_PTC:A_call_release, B_ISUP_PTC:B_call_release)			
5		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
6		+check_idle			
7		+postamble			
8		A_call_setup +A_RECEIVE_cic (IAM_r_BA_After_redirection_CFNR_with_international_original_calle d_number (**B))			
9		A_call_release +A_SEND_CALL_REL_CAUSE_17_CCBS_not_possible B_call_setup			Sets final verdict

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Test Case Dynamic Behaviour
Detailed Comments : ...

Test Case Dynamic Behaviour					
Test Case Name : GSM_SS_V_3_1_a_CDInf_mob_sub_not_reachable_ACM					
Group : ISUP_PLMN/GSM_SS/CFNRc/					
Purpose : Passing of redirection reason information					
Configuration : MTC_and_two_ISUP_PTCs					
Default :					
Comments : REFERENCE: 6.2.1 / DEN/SPS 01047-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+preamble			
2		CREATE (A_ISUP_PTC:A_call_setup, B_ISUP_PTC:B_call_setup)			
3		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
4		+check_communication			
5		CREATE (A_ISUP_PTC:A_call_release, B_ISUP_PTC:B_call_release)			
6		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
7		+check_idle			
8		+postamble			
		A_call_setup			
9		+A_RECEIVE_cic (IAM_r_BA (*'B))			
10		+A_SEND (ACM_s_BA_Call_diversion_mob_subscr_not_reachable (TCV_A_cic))			
11		+A_SEND (ANM_m (TCV_A_cic))			
		A_call_release			
12		+A_SEND_CALL_REL			
		B_call_setup			
					Sets final verdict

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Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		+B_SEND (IAM_s_BA (TCV_B_cic))			
14		+B_RECEIVE (ACM_r_BA_Call_diversion_mob_subscr_not_reachable (TCV_B_cic))			
15		+B_RECEIVE (ANM_m (TCV_B_cic))			
		B_call_release			
16		+B_RECEIVE_CALL_REL			
<p>Detailed Comments : SPC SPA SPB</p> <pre> <-----IAM----- <-----IAM----- Implementation: ----- SPC SPA SPB !<-----IAM-----!<-----IAM-----! !-----ACM----->!-----ACM----->! ringing tone..... !-----ANM----->!-----ANM----->! check communication..... !-----REL----->!-----REL----->! !<-----RLC-----!<-----RLC-----!</pre>					

Test Case Dynamic Behaviour					
Test Case Name : GSM_SS_V_3_1_b_CDInf_mob_sub_not_reachable_CPG					
Group : ISUP_PLMN/GSM_SS/CFNRc/					
Purpose : Passing of redirection reason information					
Configuration : MTC_and_two_ISUP_PTCs					
Default :					
Comments : REFERENCE: 6.2.1 / DEN/SPS 01047-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+preamble			
2		CREATE (A_ISUP_PTC:A_call_setup, B_ISUP_PTC:B_call_setup)			
3		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
4		+check_communication			
5		CREATE (A_ISUP_PTC:A_call_release, B_ISUP_PTC:B_call_release)			
6		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
7		+check_idle			
8		+postamble			
		A_call_setup			
9		+A_RECEIVE_cic (IAM_r_BA ('*B))			
10		+A_SEND (ACM_s_BA_Call_diversion_mob_subscr_not_reachable (TCV_A_cic))			
11		+A_SEND (ANM_m (TCV_A_cic))			
		A_call_release			
12		+A_SEND_CALL_REL			
		B_call_setup			
					Sets final verdict

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Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		+B_SEND (IAM_s_BA (TCV_B_cic))			
14		+B_RECEIVE (ACM_r_BA_With_OBCI_CDmo (TCV_B_cic))			
15		+B_RECEIVE (CPG_r_BA_Call_diversion_mobile_subscr_not_reachable (TCV_B_cic))			
16		+B_RECEIVE (ANM_m (TCV_B_cic))			
		B_call_release			
17		+B_RECEIVE_CALL_REL			
<p>Detailed Comments : SPC SPA SPB</p> <pre> <-----IAM----- <-----IAM----- Implementation: ----- SPC SPA SPB !<-----IAM-----!<-----IAM-----! !-----ACM----->! !-----ACM----->!-----CPG----->!ringing tone..... !-----ANM----->! -----ANM----->!check communication..... !-----REL----->!-----REL----->! !<-----RLC-----!<-----RLC-----!</pre>					

Test Case Dynamic Behaviour					
Test Case Name : GSM_SS_V_3_2_OriCdNb_RgNb_NatAdrl_from_nat_to_int					
Group : ISUP_PLMN/GSM_SS/CFNRc/					
Purpose : Modification of nature of address indicator					
Configuration : MTC_and_two_ISUP_PTCs					
Default :					
Comments : REFERENCE: 6.2.1 / DEN/SPS 01047-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+preamble			
2		CREATE (A_ISUP_PTC:A_call_setup, B_ISUP_PTC:B_call_setup)			
3		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
4		+check_communication			
5		CREATE (A_ISUP_PTC:A_call_release, B_ISUP_PTC:B_call_release)			
6		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
7		+check_idle			
8		+postamble			
9		A_call_setup +A_RECEIVE_cic (IAM_r_BA_After_redirection_CFNRc_with_international_original_call ed_number (**B))			
10		+A_SEND (ACM_s_BA_Call_diversion_mob_subscr_not_reachable (TCV_A_cic))			
11		+A_SEND (ANM_m (TCV_A_cic))			
		A_call_release			Sets final verdict

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Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
12		+A_SEND_CALL_REL B_call_setup			
13		+B_SEND (IAM_s_BA (TCV_B_cic))			
14		+B_RECEIVE (ACM_r_BA_With_OBCI_CDmo (TCV_B_cic))			
15		+B_RECEIVE (CPG_r_BA_Call_diversion_mobile_subscr_not_reachable (TCV_B_cic))			
16		+B_RECEIVE (ANM_m (TCV_B_cic)) B_call_release			
17		+B_RECEIVE_CALL_REL			
<p>Detailed Comments : SPC SPA SPB</p> <pre> <-----IAM----- <-----IAM----- Implementation: ----- SPC SPA SPB !<-----IAM-----!<-----IAM-----! !-----ACM----->! !-----ACM----->!-----CPG----->!ringing tone..... !-----ANM----->! -----ANM----->!check communication..... </pre>					

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Test Case Dynamic Behaviour
<p>Detailed Comments : ...</p> <p>!-----REL----->!-----REL----->! !<-----RLC-----!<-----RLC-----!</p>

Test Case Dynamic Behaviour					
Test Case Name : GSM_SS_V_4_1_passing_ATP					
Group : ISUP_PLMN/TS/ATP/					
Purpose : Passing of Access transport parameter transparently					
Configuration : MTC_and_two_ISUP_PTCs					
Default :					
Comments : REFERENCE: Annex A A.1 / DEN/SPS 01047-1					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+preamble			
2		CREATE (A_ISUP_PTC:A_call_setup, B_ISUP_PTC:B_call_setup)			
3		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
4		+check_communication			
5		CREATE (A_ISUP_PTC:A_call_release, B_ISUP_PTC:B_call_release)			
6		?DONE (A_ISUP_PTC, B_ISUP_PTC)			
7		+check_idle			
8		+postamble			
		A_call_setup			
9		+A_RECEIVE_cic (IAM_r_BA_Access_transport (**B))			
10		+A_SEND (ACM_m (TCV_A_cic))			
11		+A_SEND (ANM_m (TCV_A_cic))			
		A_call_release			
12		+A_SEND_CALL_REL			
		B_call_setup			
					Sets final verdict

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Test Case Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
13		+B_SEND (IAM_s_BA_Access_transport (TCV_B_cic))			
14		+B_RECEIVE (ACM_m (TCV_B_cic))			
15		+B_RECEIVE (ANM_m (TCV_B_cic))			
		B_call_release			
16		+B_RECEIVE_CALL_REL			
<p>Detailed Comments : SPC SPA SPB</p> <pre> <-----IAM----- <-----IAM----- Implementation: ----- SPC SPA SPB !<-----IAM-----!<-----IAM-----! !-----ACM----->!-----ACM----->! ringing tone..... !-----ANM----->!-----ANM----->! check communication..... !-----REL----->!-----REL----->! !<-----RLC-----!<-----RLC-----!</pre>					

Test Step Dynamic Behaviour					
Test Step Name : check_no_tone					
Group : Generic_steps/					
Objective :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+TWAIT (1)			
2		[TRUE]			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : check_no_channel					
Group : Generic_steps/					
Objective :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+TWAIT (1)			
2		[TRUE]		(P)	
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : check_communication					
Group : Generic_steps/					
Objective :					
Default :					
Comments : Checks the communication between connected parties.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+TWAIT (1)			
2		[TRUE]			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : check_idle					
Group : Generic_steps/					
Objective :					
Default :					
Comments : Checks idle circuits after call release.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+TWAIT (1)			
2		[TRUE]			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : postamble					
Group : Generic_steps/					
Objective :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		[TRUE]		R	
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : preamble					
Group : Generic_steps/					
Objective :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		[TRUE]			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : ringing_tone					
Group : Generic_steps/					
Objective :					
Default :					
Comments : Checks the receipt of ringing tone.					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		[TRUE]			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : TWAIT(sec:INTEGER)					
Group : Generic_steps/					
Objective :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START T_WAIT (sec)			
2		? TIMEOUT T_WAIT			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_CALL_SETUP(iam:IAM;acm:ACM;anm:ANM)					
Group : ISUP_steps/					
Objective : Initiate call setup					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START T_A_STEP			
2		A_PCO ! M_TRANSFERreq	A_send (iam)		
3		A_PCO ? M_TRANSFERind	A_receive (acm)		
4		START T_A_STEP +ringing_tone			
5		A_PCO ? M_TRANSFERind CANCEL T_A_STEP	A_receive (anm)	(P)	
6		? TIMEOUT T_A_STEP		(F)	
7		A_PCO ? OTHERWISE CANCEL T_A_STEP		(F)	
8		? TIMEOUT T_A_STEP		(F)	
9		A_PCO ? OTHERWISE CANCEL T_A_STEP		(F)	
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_RECEIVE (receivemsg:PDU)					
Group : ISUP_steps/					
Objective :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START T_A_STEP			
2		A_PCO ? M_TRANSFERind CANCEL T_A_STEP	A_receive (receivemsg)	(P)	
3		? TIMEOUT T_A_STEP		(F)	
4		A_PCO ? OTHERWISE CANCEL T_A_STEP		(F)	
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_RECEIVE_CALL_REL					
Group : ISUP_steps/					
Objective :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START T_A_STEP			
2		A_PCO ? M_TRANSFERind CANCEL T_A_STEP	A_receive (REL_m (TCV_A_cic))		
3		A_PCO ! M_TRANSFERreq	A_send (RLC_m (TCV_A_cic))	(P)	
4		? TIMEOUT T_A_STEP		(F)	
5		A_PCO ? OTHERWISE CANCEL T_A_STEP		(F)	
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_RECEIVE_cic (iam:IAM)					
Group : ISUP_steps/					
Objective :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START T_A_STEP			
2		A_PCO ? M_TRANSFERind (TCV_A_help:=TSO_CONCAT(INT_TO_BIT(HEX_TO_INT(TSO_SU BSTR(M_TRANSFERind.data,1,1)),4), INT_TO_BIT(HEX_TO_INT(TSO_SUBSTR(M_TRANSFERind.data,0, 1)),8)), TCV_A_cic:=TCV_A_help) CANCEL T_A_STEP	A_receive (iam)	(P)	
3		A_PCO ? M_TRANSFERind [TCV_any_msg] (TCV_A_help:=TSO_CONCAT(INT_TO_BIT(HEX_TO_INT(TSO_SU BSTR(M_TRANSFERind.data,1,1)),4), INT_TO_BIT(HEX_TO_INT(TSO_SUBSTR(M_TRANSFERind.data,0, 1)),8)), TCV_A_cic:=TCV_A_help) CANCEL T_A_STEP	A_receive (IAM_anyvalue (*B))	(I)	Received message did not match to expected message, and was received as any message in order to get cic
4		? TIMEOUT T_A_STEP		(F)	
5		A_PCO ? OTHERWISE CANCEL T_A_STEP		(F)	
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_SEND (sendmsg:PDU)					
Group : ISUP_steps/					
Objective :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		A_PCO ! M_TRANSFERreq	A_send (sendmsg)	(P)	
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_SEND_CALL_REL					
Group : ISUP_steps/					
Objective :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		A_PCO ! M_TRANSFERreq START T_A_STEP	A_send (REL_m (TCV_A_cic))		
2		A_PCO ? M_TRANSFERind CANCEL T_A_STEP	A_receive (RLC_m (TCV_A_cic))	(P)	
3		? TIMEOUT T_A_STEP		(F)	
4		A_PCO ? OTHERWISE CANCEL T_A_STEP		(F)	
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_SEND_CALL_REL_CAUSE_20					
Group : ISUP_steps/					
Objective :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		A_PCO ! M_TRANSFERreq START T_A_STEP	A_send (REL_s_with_cause_value _20 (TCV_A_cic))		
2		A_PCO ? M_TRANSFERind CANCEL T_A_STEP	A_receive (RLC_m (TCV_A_cic))	(P)	
3		? TIMEOUT T_A_STEP		(F)	
4		A_PCO ? OTHERWISE CANCEL T_A_STEP		(F)	
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_SEND_CALL_REL_CAUSE_17_CCBS_not_possible					
Group : ISUP_steps/					
Objective :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		A_PCO ! M_TRANSFERreq START T_A_STEP	A_send (REL_s_with_cause_value _17 (TCV_A_cic))		
2		A_PCO ? M_TRANSFERind CANCEL T_A_STEP	A_receive (RLC_m (TCV_A_cic))	(P)	
3		? TIMEOUT T_A_STEP		(F)	
4		A_PCO ? OTHERWISE CANCEL T_A_STEP		(F)	
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : A_TIMEOUT					
Group : ISUP_steps/					
Objective :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START T_B_STEP			
2		B_PCO ? OTHERWISE CANCEL T_B_STEP		(F)	
3		? TIMEOUT T_B_STEP		(P)	
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : B_CALL_SETUP_AND_DISC_AB (iam : IAM; rel : REL; rlc : RLC)					
Group : ISUP_steps/					
Objective :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START T_B_STEP			
2		B_PCO ? M_TRANSFERind (TCV_B_help:=TSO_CONCAT(INT_TO_BIT(HEX_TO_INT(TSO_SUBSTR(M_TRANSFERind.data,1,1)),4), INT_TO_BIT(HEX_TO_INT(TSO_SUBSTR(M_TRANSFERind.data,0,1)),8)), TCV_B_cic:=TCV_B_help) CANCEL T_B_STEP	B_receive (iam)		
3		B_PCO ! M_TRANSFERreq START T_B_STEP	B_send (rel)		
4		B_PCO ? M_TRANSFERind	B_receive (rlc)	(P)	
5		? TIMEOUT T_B_STEP		(F)	
6		B_PCO ? OTHERWISE CANCEL T_B_STEP		(F)	
7		? TIMEOUT T_B_STEP		(F)	
8		B_PCO ? OTHERWISE CANCEL T_B_STEP		(F)	
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : B_RECEIVE (receivemsg:PDU)					
Group : ISUP_steps/					
Objective :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START T_B_STEP			
2		B_PCO ? M_TRANSFERind CANCEL T_B_STEP	B_receive (receivemsg)	(P)	
3		B_PCO ? OTHERWISE CANCEL T_B_STEP		(F)	
4		? TIMEOUT T_B_STEP		(F)	
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : B_RECEIVE_CALL_REL_with_cause_20					
Group : ISUP_steps/					
Objective :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START T_B_STEP			
2		B_PCO ? M_TRANSFERind CANCEL T_B_STEP	B_receive (REL_r_with_cause_value _20 (TCV_B_cic))		
3		B_PCO ! M_TRANSFERreq	B_send (RLC_m (TCV_B_cic))	(P)	
4		? TIMEOUT T_B_STEP		(F)	
5		B_PCO ? OTHERWISE CANCEL T_B_STEP		(F)	
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : B_RECEIVE_CALL_REL_17_CCBS_not_possible					
Group : ISUP_steps/					
Objective :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START T_B_STEP			
2		B_PCO ? M_TRANSFERind CANCEL T_B_STEP	B_receive (REL_r_with_cause_value _17 (TCV_B_cic))		
3		B_PCO ! M_TRANSFERreq	B_send (RLC_m (TCV_B_cic))	(P)	
4		? TIMEOUT T_B_STEP		(F)	
5		B_PCO ? OTHERWISE CANCEL T_B_STEP		(F)	
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : B_RECEIVE_CALL_REL					
Group : ISUP_steps/					
Objective :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START T_B_STEP			
2		B_PCO ? M_TRANSFERind CANCEL T_B_STEP	B_receive (REL_m (TCV_B_cic))		
3		B_PCO ! M_TRANSFERreq	B_send (RLC_m (TCV_B_cic))	(P)	
4		? TIMEOUT T_B_STEP		(F)	
5		B_PCO ? OTHERWISE CANCEL T_B_STEP		(F)	
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : B_RECEIVE_EITHER (receivemsg1:PDU; receivemsg2:PDU)					
Group : ISUP_steps/					
Objective :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START T_B_STEP			
2		B_PCO ? M_TRANSFERind CANCEL T_B_STEP	B_receive (receivemsg1)	(P)	
3		B_PCO ? M_TRANSFERind CANCEL T_B_STEP	B_receive (receivemsg2)	(P)	
4		B_PCO ? OTHERWISE CANCEL T_B_STEP		(F)	
5		? TIMEOUT T_B_STEP		(F)	
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : B_RECEIVE_cic(iam:IAM)					
Group : ISUP_steps/					
Objective :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START T_B_STEP			
2		B_PCO ? M_TRANSFERind (TCV_B_help:=TSO_CONCAT(INT_TO_BIT(HEX_TO_INT(TSO_SUBSTR(M_TRANSFERind.data,1,1)),4), INT_TO_BIT(HEX_TO_INT(TSO_SUBSTR(M_TRANSFERind.data,0,1)),8)), TCV_B_cic:=TCV_B_help) CANCEL T_B_STEP	B_receive (iam)	(P)	
3		B_PCO ? M_TRANSFERind [TCV_any_msg] (TCV_B_help:=TSO_CONCAT(INT_TO_BIT(HEX_TO_INT(TSO_SUBSTR(M_TRANSFERind.data,1,1)),4), INT_TO_BIT(HEX_TO_INT(TSO_SUBSTR(M_TRANSFERind.data,0,1)),8)), TCV_B_cic:=TCV_B_help) CANCEL T_B_STEP	B_receive (IAM_anyvalue ('*B))	(I)	Received message did not match to expected message, and was received as any message in order to get cic
4		? TIMEOUT T_B_STEP		(F)	
5		B_PCO ? OTHERWISE CANCEL T_B_STEP		(F)	
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : B_SEND (sendmsg:PDU)					
Group : ISUP_steps/					
Objective :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		B_PCO ! M_TRANSFERreq	B_send (sendmsg)		
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : B_SEND_CALL_REL					
Group : ISUP_steps/					
Objective :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		B_PCO ! M_TRANSFERreq START T_B_STEP	B_send (REL_m (TCV_B_cic)		
2		B_PCO ? M_TRANSFERind CANCEL T_B_STEP	B_receive (RLC_m (TCV_B_cic)	(P)	
3		?TIMEOUT T_B_STEP		(F)	
4		B_PCO ? OTHERWISE CANCEL T_B_STEP		(F)	
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : B_TIMEOUT					
Group : ISUP_steps/					
Objective :					
Default :					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		START T_B_STEP			
2		B_PCO ? OTHERWISE CANCEL T_B_STEP		(F)	
3		? TIMEOUT T_B_STEP		(P)	
Detailed Comments :					