

I

Test Suite Overview

Test Suite Structure			
Suite Name : HOLD_User			
Standards Ref : EN 300 141-1			
PICS Ref : EN 300 141-2			
PIXIT Ref : EN 300 141-4 Annex B			
Test Method(s) : Remote single layer test method			
Comments : Applicable to both Basic and Primary Rate Access.			
Test Group Reference	Selection Ref	Test Group Objective	Page Nr
ServedUserS_T/	SEL_SERV_ST	Served User (S/T)	
ServedUserS_T/Normal/	SEL_SERV_ST	Normal procedures	
ServedUserS_T/Normal/Hold/	SEL_SERV_ST_HOLD	Hold	
ServedUserS_T/Normal/Retrieve/	SEL_SERV_ST_RET	Retrieve	
ServedUserS_T/ChannelReservation/	SEL_SERV_ST_ECR	Explicit Channel Reservation functions	
ServedUserS_T/ChannelReservation/Request/	SEL_SERV_ST_ECR	Explicit Channel Reservation request	
ServedUserS_T/ChannelReservation/Manage/	SEL_SERV_ST_ECR	Explicit Channel Reservation management	
ServedUserS_T/ChannelReservation/Cancel/	SEL_SERV_ST_ECR	Explicit Channel Reservation cancelation	
ServedUserS_T/ChannelReservation/ReceiptOfRR/	SEL_SERV_ST_ECR	Receipt of Return Result	
ServedUserS_T/Timers/	SEL_SERV_ST	Timers	
RemoteUser/		Remote User - Receipt of Notifications	
ServedUserT/	SEL_NT2	Served User (T)	
Detailed Comments :			

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Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
ServedUserS_T/Normal /Hold/	HOLD_U01_001	SEL_ST_U10_HOLD	Ensure that the IUT in the Active call state U10 and Idle auxiliary state, to initiate the HOLD service, sends a HOLD message and enters the Hold Requested auxiliary state.	
ServedUserS_T/Normal /Hold/	HOLD_U01_002	SEL_ST_U04_HOLD	Ensure that the IUT in the Call Delivered call state U04 and Idle auxiliary state, to initiate the HOLD service, sends a HOLD message and enters the Hold Requested auxiliary state.	
ServedUserS_T/Normal /Hold/	HOLD_U01_003	SEL_ST_U10_HOLD	Ensure that the IUT in the Active call state U10 and Hold Requested auxiliary state, receiving a HOLD ACKNOWLEDGE message releases the B-channel, remains in the Active call state U10 and enters the Call Held auxiliary state.	
ServedUserS_T/Normal /Hold/	HOLD_U01_004	SEL_ST_U10_HOLD	Ensure that the IUT in the Active call state U10 and the Hold Requested auxiliary state, receiving an invalid HOLD ACKNOWLEDGE message with an optional information element with content error , sends no message or sends a STATUS message cause #100 "invalid information element contents" and enters the Call Held auxiliary state.	
ServedUserS_T/Normal /Hold/	HOLD_U01_005	SEL_ST_U04_HOLD_RESP	Ensure that the IUT in the Call Delivered call state U04 and Hold Requested auxiliary state, receiving a HOLD ACKNOWLEDGE message enters the Call Held auxiliary state.	

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ServedUserS_T/Normal /Hold/	HOLD_U01_006	SEL_ST_U04_HOLD	Ensure that the IUT in the Call Delivered call state U04 and the Hold Requested auxiliary state, receiving an HOLD ACKNOWLEDGE message with an optional information element with content error , sends no message or sends a STATUS message cause #100 "invalid information element contents" and enters the Call Held auxiliary state.	
ServedUserS_T/Normal /Hold/	HOLD_U01_007	SEL_ST_U10_HOLD	Ensure that the IUT in the Active call state U10 and Hold Requested auxiliary state, receiving a HOLD REJECT message does not release the B-channel, remains in the Active call state U10 and enters the idle auxiliary state.	
ServedUserS_T/Normal /Hold/	HOLD_U01_008	SEL_ST_U10_HOLD	Ensure that the IUT in the Active call state U10 and the Hold Requested auxiliary state, receiving a HOLD REJECT message with an optional information element with content error , takes no action or sends a STATUS message cause #100 "invalid information element contents" and enters the Idle auxiliary state.	
ServedUserS_T/Normal /Hold/	HOLD_U01_009	SEL_ST_U10_HOLD	Ensure that the IUT in the Active call state U10 and the Hold Requested auxiliary state, receiving a HOLD REJECT message with a mandatory information element with content error, sends a STATUS message cause #100 "invalid information element contents" and remains in the same state.	
ServedUserS_T/Normal /Hold/	HOLD_U01_010	SEL_ST_U04_HOLD_RESP	Ensure that the IUT in the Call Delivered call state U04 and Hold Requested auxiliary state, receiving a HOLD REJECT message enters the idle auxiliary state.	

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ServedUserS_T/Normal /Hold/	HOLD_U01_011	SEL_ST_U04_HOLD	Ensure that the IUT in the Call Delivered call state U04 and the Hold Requested auxiliary state, receiving a HOLD REJECT message with an optional information element with content error , sends no message or sends a STATUS message cause #100 "invalid information element contents" and enters the Idle auxiliary state.	
ServedUserS_T/Normal /Hold/	HOLD_U01_012	SEL_ST_U04_HOLD	Ensure that the IUT in the Call Delivered call state U04 and the Hold Requested auxiliary state, receiving a HOLD REJECT message with a mandatory information element with content error , sends a STATUS message cause #100 "invalid information element contents" and remains in the same state.	
ServedUserS_T/Normal /Retrieve/	HOLD_U02_001	SEL_ST_U10_RET	Ensure that the IUT in the Active Call state U10 and the Call Held auxiliary state, to initiate the Retrieve function sends a RETRIEVE message and enters the Retrieved Requested auxiliary state.	
ServedUserS_T/Normal /Retrieve/	HOLD_U02_002	SEL_ST_U04_RET	Ensure that the IUT in the Call Delivered call state U04 and the Call Held auxiliary state, to initiate the Retrieve function sends a RETRIEVE message and enters the Retrieved Requested auxiliary state.	
ServedUserS_T/Normal /Retrieve/	HOLD_U02_003	SEL_ST_U10_RET	Ensure that the IUT in the Active call state U10 and Retrieve Requested auxiliary state, receiving a RETRIEVE ACKNOWLEDGE message connects to the B channel, remains in the Active call state U10 and enters the Idle auxiliary state.	

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Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
ServedUserS_T/Normal /Retrieve/	HOLD_U02_004	SEL_ST_U10_RET	Ensure that the IUT in the Active call state U10 and Retrieve Requested auxiliary state, receiving a RETRIEVE ACKNOWLEDGE message with an optional information element with content error takes no action or sends a STATUS message cause #100 "invalid information element contents" and enters the Idle auxiliary state.	
ServedUserS_T/Normal /Retrieve/	HOLD_U02_005	SEL_ST_U04_RET_RESP	Ensure that the IUT in the Call Delivered call state U04 and Retrieve Requested auxiliary state receiving a RETRIEVE ACKNOWLEDGE message connects to the B channel and enters the idle auxiliary state.	
ServedUserS_T/Normal /Retrieve/	HOLD_U02_006	SEL_ST_U04_RET	Ensure that the IUT in the Call Delivered call state U04 and Retrieve Requested auxiliary state receiving a RETRIEVE ACKNOWLEDGE with an optional information element with content error sends no message or sends a STATUS message cause #100 "invalid information element contents" and enters the Idle auxiliary state.	
ServedUserS_T/Normal /Retrieve/	HOLD_U02_007	SEL_ST_U10_RET	Ensure that the IUT in the Active call state U10 and Retrieve Requested auxiliary state, receiving a RETRIEVE REJECT message does not connect to the B-channel, remains in the Active call state U10 and enters the Call Held auxiliary state.	

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Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
ServedUserS_T/Normal /Retrieve/	HOLD_U02_008	SEL_ST_U10_RET	Ensure that the IUT in the Active call state U10 and Retrieve Requested auxiliary state, receiving a RETRIEVE REJECT message with an optional information element with content error, sends no message or sends a STATUS message cause #100 "invalid information element contents" and enters the Call Held auxiliary state.	
ServedUserS_T/Normal /Retrieve/	HOLD_U02_009	SEL_ST_U10_RET	Ensure that the IUT in the Active call state U10 and Retrieve Requested auxiliary state, receiving a RETRIEVE REJECT message with a mandatory information element with content error, sends a STATUS message cause #100 "invalid information element contents" and remains in the same state.	
ServedUserS_T/Normal /Retrieve/	HOLD_U02_010	SEL_ST_U04_RET_RESP	Ensure that the IUT in the Call Delivered call state U04 and Retrieve Requested auxiliary state, receiving a RETRIEVE REJECT message enters the Call Held auxiliary state.	
ServedUserS_T/Normal /Retrieve/	HOLD_U02_011	SEL_ST_U04_RET	Ensure that the IUT in the Call Delivered call state U04 and Retrieve Requested auxiliary state, receiving a RETRIEVE REJECT message with an optional information element with content error sends no message or sends a STATUS message cause #100 "invalid information element contents" and enters the Call Held auxiliary state.	

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Test Group Reference	Test Case Id	Selection Ref	Description	Page Nr
ServedUserS_T/Normal /Retrieve/	HOLD_U02_012	SEL_ST_U04_RET	Ensure that the IUT in the Call Delivered call state U04 and Retrieve Requested auxiliary state, receiving a RETRIEVE REJECT message with a mandatory information element with content error sends a STATUS message cause #100 "invalid information element contents" and remains in the same state.	
ServedUserS_T/Channe lReservation/Request /	HOLD_U03_001	SEL_U03_001	Ensure that the IUT, while in the Call Delivered call state U04 and Idle auxiliary state, to request an explicit reservation sends an ExplicitReservationC reationControl invoke component, in a facility information element in a HOLD message and enters the Hold Request state or in a FACILITY, or INFORMATION message and remains in the same state.	
ServedUserS_T/Channe lReservation/Request /	HOLD_U03_002	SEL_U03_002	Ensure that the IUT, while in the Active call state U10 and Idle auxiliary state, to request an explicit reservation sends an ExplicitReservationC reationControl invoke component, in a facility information element in a HOLD message and enters the Hold Request state or in a FACILITY, or INFORMATION message and remains in the same state	

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ServedUserS_T/ChannelReservation/Request /	HOLD_U03_003	SEL_U03_003	Ensure that the IUT, while in the Call Delivered call state U04 and Call Held auxiliary state to request an explicit reservation sends an ExplicitReservationCreationControl invoke component, in a facility information element in a RETRIEVE message and enters to the Retrieve Request auxiliary state or in a FACILITY, or INFORMATION message and remains in the same state.	
ServedUserS_T/ChannelReservation/Request /	HOLD_U03_004	SEL_U03_004	Ensure that the IUT, while in the Active call state U10 and Call Held auxiliary state to request an explicit reservation sends an ExplicitReservationCreationControl invoke component, in a facility information element in a RETRIEVE message and enters to the Retrieve Request auxiliary state or in a FACILITY or INFORMATION message and remains in the same state	
ServedUserS_T/ChannelReservation/Manage/	HOLD_U04_001	SEL_U04_001	Ensure that the IUT, while in the Call Delivered call state U04 and Call Held auxiliary state to manage an explicit reservation with reservation indicator sends an ExplicitReservationManagement invoke component with the reservation indicator in a facility information element in a RETRIEVE message	

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ServedUserS_T/ChannelReservation/Manage/	HOLD_U04_002	SEL_U04_002	Ensure that the IUT, while in the Call Delivered call state U04 and Call Held auxiliary state to manage an explicit reservation without reservation indicator sends an ExplicitReservationManagement invoke component without reservation indicator in a facility information element in a RETRIEVE message.	
ServedUserS_T/ChannelReservation/Manage/	HOLD_U04_003	SEL_U04_003	Ensure that the IUT, while in the Active call state U10 and Call Held auxiliary state to manage an explicit reservation with reservation indicator sends an ExplicitReservationManagement invoke component with the reservation indicator in a facility information element in a RETRIEVE message	
ServedUserS_T/ChannelReservation/Manage/	HOLD_U04_004	SEL_U04_004	Ensure that the IUT, while in the Active call state U10 and Call Held auxiliary state to manage an explicit reservation without reservation indicator sends an ExplicitReservationManagement invoke component without reservation indicator in a facility information element in a RETRIEVE message.	
ServedUserS_T/ChannelReservation/Cancel/	HOLD_U05_001	SEL_U05_001	Ensure that the IUT, while in the Call Delivered call state U04 and Idle auxiliary state to cancel an explicit reservation with reservation indicator sends an ExplicitReservationCancel invoke component with the reservation indicator in a facility information element in a FACILITY or INFORMATION message.	

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ServedUserS_T/ChannelReservation/Cancel/	HOLD_U05_002	SEL_U05_002	Ensure that the IUT, while in the Call Delivered call state U04 and Idle auxiliary state to cancel an explicit reservation without reservation indicator sends an ExplicitReservationCancel invoke component without reservation indicator in a facility information element in a FACILITY or INFORMATION message.	
ServedUserS_T/ChannelReservation/Cancel/	HOLD_U05_003	SEL_U05_003	Ensure that the IUT, while in the Active call state U10 and Idle auxiliary state to cancel an explicit reservation with reservation indicator sends an ExplicitReservationCancel invoke component with the reservation indicator in a facility information element in a FACILITY or INFORMATION message.	
ServedUserS_T/ChannelReservation/Cancel/	HOLD_U05_004	SEL_U05_004	Ensure that the IUT, while in the Active call state U10 and Idle auxiliary state to cancel an explicit reservation without reservation indicator sends an ExplicitReservationCancel invoke component without reservation indicator in a facility information element in a FACILITY or INFORMATION message.	
ServedUserS_T/ChannelReservation/Cancel/	HOLD_U05_005	SEL_U05_005	Ensure that the IUT, while in the Call Delivered call state U04 and Idle auxiliary state to cancel an explicit reservation with reservation indicator sends an ExplicitReservationCancel invoke component with the reservation indicator in a facility information element in a HOLD message and enters the Hold Request auxiliary state.	

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ServedUserS_T/ChannelReservation/Cancel/	HOLD_U05_006	SEL_U05_006	Ensure that the IUT, while in the Call Delivered call state U04 and Idle auxiliary state to cancel an explicit reservation without reservation indicator sends an ExplicitReservationCancel invoke component without reservation indicator in a facility information element in a HOLD message and enters the Hold Request auxiliary state.	
ServedUserS_T/ChannelReservation/Cancel/	HOLD_U05_007	SEL_U05_007	Ensure that the IUT, while in the Active call state U10 and Idle auxiliary state to cancel an explicit reservation with reservation indicator sends an ExplicitReservationCancel invoke component with the reservation indicator in a facility information element in a HOLD message and enters the Hold Request auxiliary state.	
ServedUserS_T/ChannelReservation/Cancel/	HOLD_U05_008	SEL_U05_008	Ensure that the IUT, while in the Active call state U10 and Idle auxiliary state to cancel an explicit reservation without reservation indicator sends an ExplicitReservationCancel invoke component without reservation indicator in a facility information element in a HOLD message and enters the Hold Request auxiliary state.	
ServedUserS_T/ChannelReservation/Cancel/	HOLD_U05_009	SEL_U05_009	Ensure that the IUT, while in the Call Delivered call state U04 and Call Held auxiliary state to cancel an explicit reservation with reservation indicator sends an ExplicitReservationCancel invoke component with the reservation indicator in a facility information element in a RETRIEVE, FACILITY or INFORMATION message.	

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ServedUserS_T/ChannelReservation/Cancel/	HOLD_U05_010	SEL_U05_010	Ensure that the IUT, while in the Call Delivered call state U04 and Call Held auxiliary state to cancel an explicit reservation without reservation indicator sends an ExplicitReservationCancel invoke component without reservation indicator in a facility information element in a RETRIEVE, FACILITY or INFORMATION message.	
ServedUserS_T/ChannelReservation/Cancel/	HOLD_U05_011	SEL_U05_011	Ensure that the IUT, while in the Active call state U10 and Call Held auxiliary state to cancel an explicit reservation with reservation indicator sends an ExplicitReservationCancel invoke component with the reservation indicator in a facility information element in a RETRIEVE, FACILITY or INFORMATION message.	
ServedUserS_T/ChannelReservation/Cancel/	HOLD_U05_012	SEL_U05_012	Ensure that the IUT, while in the Active call state U10 and Call held auxiliary state to cancel an explicit reservation without reservation indicator sends an ExplicitReservationCancel invoke component without reservation indicator in a facility information element in a RETRIEVE, FACILITY or INFORMATION message.	

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ServedUserS_T/ChannelReservation/ReceiptOfRR/	HOLD_U06_001	SEL_U06_001	Ensure that the IUT, while in the Call Delivered call state U04 and Hold Request auxiliary state receiving a HOLD ACKNOWLEDGE message with an ExplicitReservationC reationControl return result component in a Facility information element does not send a message with the ExplicitReservationC reationControl reject component in a Facility information element.	
ServedUserS_T/ChannelReservation/ReceiptOfRR/	HOLD_U06_002	SEL_U06_002	Ensure that the IUT, while in the Active call state U10 and Hold Request auxiliary state receiving a HOLD ACKNOWLEDGE message with an ExplicitReservationC reationControl return result component in a Facility information element does not send a message with the ExplicitReservationC reationControl reject component in a Facility information element.	
ServedUserS_T/ChannelReservation/ReceiptOfRR/	HOLD_U06_003	SEL_U06_003	Ensure that the IUT, while in the Call Delivered call state U04 and Retrieve Request auxiliary state receiving a RETRIEVE ACKNOWLEDGE message with an ExplicitReservationC reationControl return result component in a Facility information element does not send a message with the ExplicitReservationC reationControl reject component in a Facility information element.	

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ServedUserS_T/ChannelReservation/ReceiptOfERR/	HOLD_U06_004	SEL_U06_004	Ensure that the IUT, while in the Active call state U10 and Retrieve Request auxiliary state receiving a RETRIEVE ACKNOWLEDGE message with an ExplicitReservationCreationControl return result component in a Facility information element does not send a message with the ExplicitReservationCreationControl reject component in a Facility information element	
ServedUserS_T/ChannelReservation/ReceiptOfERR/	HOLD_U06_005	SEL_U06_005	Ensure that the IUT, while in the Call Delivered call state U04 and Retrieve Request auxiliary state, receiving a RETRIEVE ACKNOWLEDGE message with an ExplicitReservationManagement return result component in a Facility information element does not send a message with the ExplicitReservationManagement reject component in a Facility information element	
ServedUserS_T/ChannelReservation/ReceiptOfERR/	HOLD_U06_006	SEL_U06_006	Ensure that the IUT, while in the Active call state U10 and Retrieve Request auxiliary state, receiving a RETRIEVE ACKNOWLEDGE message with an ExplicitReservationManagement return result component in a Facility information element does not send a message with the ExplicitReservationManagement reject component in a Facility information element.	

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ServedUserS_T/ChannelReservation/ReceiptOfRR/	HOLD_U06_007	SEL_U06_007	Ensure that the IUT, while in the Call Delivered call state U04 and Hold Request auxiliary state, receiving a HOLD ACKNOWLEDGE message with an ExplicitReservationCancel return result component in a Facility information element does not send a message with the ExplicitReservationCancel reject component in a Facility information element	
ServedUserS_T/ChannelReservation/ReceiptOfRR/	HOLD_U06_008	SEL_U06_008	Ensure that the IUT, while in the Active call state U10 and Hold Request auxiliary state, receiving a HOLD ACKNOWLEDGE message with an ExplicitReservationCancel return result component in a Facility information element does not send a message with the ExplicitReservationCancel reject component in a Facility information element.	
ServedUserS_T/ChannelReservation/ReceiptOfRR/	HOLD_U06_009	SEL_U06_009	Ensure that the IUT, while in the Call Delivered call state U04 and Retrieve Request auxiliary state, receiving a RETRIEVE ACKNOWLEDGE message with an ExplicitReservationCancel return result component in a Facility information element does not send a message with the ExplicitReservationCancel reject component in a Facility information element	

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ServedUserS_T/ChannelReservation/ReceiptOfERR/	HOLD_U06_010	SEL_U06_010	Ensure that the IUT, while in the Call Delivered call state U04 and Retrieve Request auxiliary state, receiving a RETRIEVE ACKNOWLEDGE message with an ExplicitReservationCancel return result component in a Facility information element does not send a message with the ExplicitReservationCancel reject component in a Facility information element	
ServedUserS_T/Timers /	HOLD_U07_001	SEL_ST_U04_HOLD	Ensure that the IUT, while in the Call Delivered call state U04 and entering the Hold Request auxiliary state, receiving no HOLD ACKNOWLEDGE or HOLD REJECT message before the expiry of the timer T-HOLD, enters the Idle auxiliary state.	
ServedUserS_T/Timers /	HOLD_U07_002	SEL_ST_U04_RET	Ensure that the IUT, while in the Call Delivered call state U04 and entering the Retrieve Request auxiliary state, receiving no RETRIEVE ACKNOWLEDGE or RETRIEVE REJECT message before the expiry of the timer T-RETRIEVE, enters the Call Held auxiliary state.	
ServedUserS_T/Timers /	HOLD_U07_003	SEL_ST_U10_HOLD	Ensure that the IUT, while in the Active call state U10 and entering the Hold Request auxiliary state, receiving no HOLD ACKNOWLEDGE or HOLD REJECT message before the expiry of the timer T-HOLD, does not release the B-channel and remains in the Active call state.	

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ServedUserS_T/Timers /	HOLD_U07_004	SEL_ST_U10_RET	Ensure that the IUT, while in the Active call state U10 and entering the Retrieve Request auxiliary state, receiving no RETRIEVE ACKNOWLEDGE or RETRIEVE REJECT message before the expiry of the timer T-RETRIEVE, does not connect to the B-channel and remains in the Active call state.	
RemoteUser /	HOLD_U08_001	SEL_REM_U10	Ensure that the IUT in the Active call state U10 receiving a NOTIFY message with a notification indicator information element coded as "remote hold" does not respond and remains in the same state.	
RemoteUser /	HOLD_U08_002	SEL_REM_U10	Ensure that the IUT in the Active call state U10 receiving a FACILITY message with a notification indicator information element coded as "remote hold" does not respond and remains in the same state.	
RemoteUser /	HOLD_U08_003	SEL_REM_U07	Ensure that the IUT in the Call Received call state U07 receiving a NOTIFY message with a notification indicator information element coded as "remote hold" does not respond and remains in the same state.	
RemoteUser /	HOLD_U08_004	SEL_REM_U07	Ensure that the IUT in the Call Received call state U07 receiving a FACILITY message with a notification indicator information element coded as "remote hold" does not respond and remains in the same state.	
RemoteUser /	HOLD_U08_005	SEL_REM_U10	Ensure that the IUT in the Active call state U10 receiving a NOTIFY message with a notification indicator information element coded as "remote retrieval" does not respond and remains in the same state.	

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RemoteUser/	HOLD_U08_006	SEL_REM_U10	Ensure that the IUT in the Active call state U10 receiving a FACILITY message with a notification indicator information element coded as "remote retrieval" does not respond and remains in the same state.	
RemoteUser/	HOLD_U08_007	SEL_REM_U07	Ensure that the IUT in the Call Received call state U07 receiving a NOTIFY message with a notification indicator information element coded as "remote retrieval" does not respond and remains in the same state.	
RemoteUser/	HOLD_U08_008	SEL_REM_U07	Ensure that the IUT in the Call Received call state U07 receiving a FACILITY message with a notification indicator information element coded as "remote retrieval" does not respond and remains in the same state.	
ServedUserT/	HOLD_U09_001	SEL_NT2_U10	Ensure that the IUT in the Active call state U10 and the served user has reached the Call Held state sends a notification indicator information element coded as "remote hold" in a NOTIFY or FACILITY message.	
ServedUserT/	HOLD_U09_002	SEL_NT2_U04	Ensure that the IUT in the Call Delivered call state U04 and the served user has reached the Call Held state sends a notification indicator information element coded as "remote hold" in a NOTIFY or FACILITY message.	
ServedUserT/	HOLD_U09_003	SEL_NT2_U10	Ensure that the IUT in the Active call state U10 and the served user has reached the Idle status from the Call Held state sends a notification indicator information element coded as "remote retrieval" in a NOTIFY or FACILITY message.	

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ServedUserT/	HOLD_U09_004	SEL_NT2_U04	Ensure that the IUT in the Call Delivered call state U04 and the served user has reached the Idle status from the Call Held state sends a notification indicator information element coded as "remote retrieval" in a NOTIFY or FACILITY message.	
Detailed Comments :				

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BasicCall_Steps/	PR30001	To bring the IUT to the state U0.	
BasicCall_Steps/	PR30301		
BasicCall_Steps/	PR30401	To bring the IUT to the state U4.	
BasicCall_Steps/	PR30701	To bring the IUT to the state U7.	
BasicCall_Steps/	PR30801	To bring the IUT to the state U8.	
BasicCall_Steps/	PR31001	To bring the IUT to the state U10.	
BasicCall_Steps/	PO49901	Postamble to U00	
BasicCall_Steps/	CS51001	Check that the IUT is in state U10 and leave in same state	
BasicCall_Steps/	CS57101	Ensure that the B-channel is busy	
BasicCall_Steps/	CS57001	Ensure that the B-channel is free	
BasicCall_Steps/	CS59901	Check call state of IUT	
HOLD_Steps/	PR38002	Preamble to bring the IUT to the Idle auxiliary state with an explicit channel reservation in effect without a reservation indicator	
HOLD_Steps/	PR38003	Preamble to bring the IUT to the Idle auxiliary state with an explicit channel reservation in effect with a reservation indicator	
HOLD_Steps/	PR38031	Bring the call to the Call Held auxiliary state at the S reference point and the Idle auxiliary state at the T reference point.	
HOLD_Steps/	PR38101	To bring the IUT to the Hold Requested auxiliary state.	
HOLD_Steps/	PR38104	To bring the IUT to the Hold Requested auxiliary state with an ExplicitReservationCreation Control Invoke outstanding.	
HOLD_Steps/	PR38106	Preamble to bring the IUT to the Hold Request auxiliary state with an ExplicitReservationCancel Invoke outstanding	
HOLD_Steps/	PR38301	To bring the IUT to the Call Held auxiliary state.	
HOLD_Steps/	PR38302	To bring the IUT to the Call Held auxiliary state using explicit channel reservation without reservation indicator	
HOLD_Steps/	PR38303	To bring the IUT to the Call Held auxiliary state using explicit channel reservation with reservation indicator	
HOLD_Steps/	PR38401	Bring the IUT to the auxiliary state Retrieve Requested	
HOLD_Steps/	PR38405	Preamble to bring the IUT to the Retrieve Request auxiliary state with an ExplicitReservationManagement Invoke outstanding	

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Test Step Group Reference	Test Step Id	Description	Page Nr
HOLD_Steps/	PR38406	Preamble to bring the IUT to the Retrieve Request auxiliary state with an ExplicitReservationCancel Invoke outstanding	
HOLD_Steps/	PR38404	Preamble to bring the IUT to the Retrieve Request auxiliary state with an ExplicitReservationCreation Control Invoke outstanding	
HOLD_Steps/	CS58001	To check the IUT auxiliary state is Idle	
HOLD_Steps/	CS58101	To check the IUT auxiliary state is Hold Request	
HOLD_Steps/	CS58301	To check the IUT auxiliary state Call Held	
HOLD_Steps/	CS58031	To check the IUT auxiliary state Idle or Call Held	
HOLD_Steps/	CS58401	To check the IUT auxiliary state Retrieve Request	
Detailed Comments :			

Default Index			
Default Group Reference	Default Id	Description	Page Nr
	DF69901	Default from basic call	
Detailed Comments :			

II

Declarations Part

Simple Type Definitions		
Type Name	Type Definition	Comments
GFP_MT_LIST	OCTETSTRING ('24'O, '28'O, '30'O, '31'O, '33'O, '37'O, '62'O, '64'O)	OCTETSTRING[1] see ETS 300 196, subclause 11 (1)
CR_LENGTH_TYPE	INTEGER(1,2)	Call reference length type
CH_NUM_TYPE	INTEGER(1..31)	Channel number type
CAU_I	BITSTRING('00001000'B)	Cause identifier type
CDPN_I	BITSTRING('01110000'B)	Called party number identifier type
CDPS_I	BITSTRING('01110001'B)	Called party subaddress identifier type
CGPN_I	BITSTRING('01101100'B)	Calling party number identifier type
CGPS_I	BITSTRING('01101101'B)	Calling party subaddress identifier type
CST_I	BITSTRING('00010100'B)	Call state identifier type
DATI_I	BITSTRING('00101001'B)	Date/time identifier type
DSP_I	BITSTRING('00101000'B)	Display identifier type
KPF_I	BITSTRING('00101100'B)	Keypad facility identifier type
NSF_I	BITSTRING('00100000'B)	Network-specific facility identifier type
NOID_I	BITSTRING('00100111'B)	Notification indicator identifier type
PI_I	BITSTRING('00011110'B)	Progress indicator identifier type
RI_I	BITSTRING('01111001'B)	Restart indicator identifier type
TNS_I	BITSTRING('01111000'B)	Transit network selection identifier type
UUI_I	BITSTRING('01111110'B)	User-user identifier type
PD	BITSTRING('00001000'B)	Protocol discriminator
SCI	BITSTRING('10100001'B)	Sending complete information
Detailed Comments : &COMMON_U08 modified (1) Message types: 24: HOLD 28: HOLD ACKNOWLEDGE 30: HOLD REJECT 31: RETRIEVE 33: RETRIEVE ACKNOWLEDGE 37: RETRIEVE REJECT 62: FACILITY 64: REGISTER		

Structured Type Definition		
Type Name : CAU (CAUSE IE) Comments : Info Element CAUse EN 300 102-1 subclause 4.5.12		
Element Name	Type Definition	Comments
cau_i	CAU_I	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_U08		

Structured Type Definition		
Type Name : CAU_E4_CV Comments : Info Element CAUSE Octet 4		
Element Name	Type Definition	Comments
cau_e4_cv1	BITSTRING [1]	Extension bit
cau_e4_cv2	BITSTRING [7]	Cause value
Detailed Comments : &COMMON_U08		

Structured Type Definition		
Type Name : CDPN (CALLED PARTY NUMBER IE) Comments : Info Element Called Party Number EN 300 102-1 subclause 4.5.8		
Element Name	Type Definition	Comments
cdpn_i	CDPN_I	Identifier
cdpn_l	OCTETSTRING [1]	Length
cdpn_e3_npi	OCTETSTRING [1]	Numbering plan id.
cdpn_e4_nd	OCTETSTRING [1 TO 20]	Number digits
Detailed Comments : &COMMON_U08		

Structured Type Definition		
Type Name : CDPS (CALLED PARTY SUBADDRESS IE) Comments : Info Element Called Party Subaddress EN 300 102-1 subclause 4.5.9		
Element Name	Type Definition	Comments
cdps_i	CDPS_I	Identifier
cdps_l	BITSTRING [8]	Length
cdps_e3_tos	BITSTRING [8]	Type of subaddress
cdps_e4_si	OCTETSTRING [1 TO 20]	Subaddress information
Detailed Comments : &COMMON_U08		

Structured Type Definition		
Type Name : CGPN (CALLING PARTY NUMBER IE) Comments : Info Element CallinG Party Number EN 300 102-1 subclause 4.5.10		
Element Name	Type Definition	Comments
cgpn_i	CGPN_I	Identifier
cgpn_l	BITSTRING [8]	Length
cgpn_e3_ton	BITSTRING [4]	Type of number
cgpn_e3_npi	BITSTRING [4]	Numbering plan id.
cgpn_e4_pi	BITSTRING [3]	Presentation indicator
cgpn_e4_si	BITSTRING [5]	Screening indicator
cgpn_e5_nd	OCTETSTRING [1 TO 20]	Number digits
Detailed Comments : &COMMON_U06		

Structured Type Definition		
Type Name : CGPS (CALLING PARTY SUBADDRESS IE) Comments : Info Element CallinG Party Subaddress EN 300 102-1 subclause 4.5.11		
Element Name	Type Definition	Comments
cgps_i	CGPS_I	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_U08		

Structured Type Definition		
Type Name : CR (CALL REFERENCE) Comments : Call Reference EN 300 102-1 subclause 4.3		
Element Name	Type Definition	Comments
cr_l	BITSTRING [8]	Length
cr_f	BITSTRING [1]	Flag
cr_r	BIT7OR15	Call reference value
Detailed Comments : &COMMON_U08 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 : CST (CALL STATE IE) Comments : Info Element Call State EN 300 102-1 subclause 4.5.7		
Element Name	Type Definition	Comments
cst_i	CST_I	Identifier
cst_l	BITSTRING [8]	Length
cst_csv1	BITSTRING [2]	Coding standard
cst_csv2	BITSTRING [6]	Call state value/global interface state value
Detailed Comments : &COMMON_U08		

Structured Type Definition		
Type Name : DATI (DATE/TIME IE) Comments : Info Element DATE/Time EN 300 102-1 subclause 4.6.1		
Element Name	Type Definition	Comments
dati_i	DATI_I	Identifier
dati_l	BITSTRING [8]	Length
dati_dt	OCTETSTRING [0 TO 5]	Date/time value
Detailed Comments : &COMMON_U08		

Structured Type Definition		
Type Name : DSP (DISPLAY IE) Comments : Info Element DiSPlay EN 300 102-1 subclause 4.5.15		
Element Name	Type Definition	Comments
dsp_i	DSP_I	Identifier
dsp_l	BITSTRING [8]	Length
dsp_di	OCTETSTRING [0 TO 32]	Display information
Detailed Comments : &COMMON_U08		

Structured Type Definition		
Type Name : KPF (KEYPAD FACILITY IE) Comments : Info Element KeyPad Facility EN 300 102-1 subclause 4.5.17		
Element Name	Type Definition	Comments
kpf_i	KPF_I	Identifier
kpf_l	BITSTRING [8]	Length
kpf_ki	OCTETSTRING [0 TO 32]	Keypad information
Detailed Comments : &COMMON_U08		

Structured Type Definition		
Type Name : NSF (NETWORK-SPECIFIC FACILITIES IE)		
Comments : Info Element Network-Specific Facilities EN 300 102-1 subclause 4.5.20		
Element Name	Type Definition	Comments
nsf_i	NSF_I	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_U08		

Structured Type Definition		
Type Name : NOID (NOTIFICATION INDICATOR IE)		
Comments : Info Element NOTification InDicator EN 300 102-1 subclause 4.5.21		
Element Name	Type Definition	Comments
noid_i	NOID_I	Identifier
noid_l	BITSTRING [8]	Length
noid_e3_nd	BITSTRING [8]	Notification description
Detailed Comments : &COMMON_U08		

Structured Type Definition		
Type Name : PI (PROGRESS INDICATOR IE)		
Comments : Info Element Progress Indicator EN 300 102-1 subclause 4.5.22		
Element Name	Type Definition	Comments
pi_i	PI_I	Identifier
pi_l	BITSTRING [8]	Length
pi_e3_loc	BITSTRING [8]	Location
pi_e4_pd	BITSTRING [8]	Progress description
Detailed Comments : &COMMON_U08		

Structured Type Definition		
Type Name : RI (RESTART INDICATOR IE) Comments : Info Element Restart Indicator EN 300 102-1 subclause 4.5.24		
Element Name	Type Definition	Comments
ri_i	RI_I	Identifier
ri_l	BITSTRING [8]	Length
ri_cl	BITSTRING [5]	Fixed value '10000'B
ri_cl1	BITSTRING [3]	Class
Detailed Comments : &COMMON_U08		

Structured Type Definition		
Type Name : TNS (TRANSIT NETWORK SELECTION IE) Comments : Info Element Transit Network Selection EN 300 102-1 subclause 4.5.28		
Element Name	Type Definition	Comments
tns_i	TNS_I	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_U08		

Structured Type Definition		
Type Name : UUI (USER USER INFORMATION IE) Comments : Info Element User-User EN 300 102-1 subclause 4.5.29		
Element Name	Type Definition	Comments
uui_i	UUI_I	Identifier
uui_l	BITSTRING [8]	Length
uui_pd	BITSTRING [8]	Protocol discriminator
uui_uic	OCTETSTRING [0 TO 128]	User information
Detailed Comments : &COMMON_U08		

ASN.1 Type Definition	
Type Name : CHI_I Comments : Identifier for the Channel identification information element.	
Type Definition	
BIT STRING('00011000'B)	
Detailed Comments : &COMMON_U08	

ASN.1 Type Definition
Type Name : FIE_I Comments : Identifier for the Facility information element.
Type Definition
BIT STRING('00011100'B)
Detailed Comments : &COMMON_U08

ASN.1 Type Definition
Type Name : BIT7OR8 Comments : A BIT STRING of size 7 or 8 used for test case variables. Example: The B-channel number for primary rate access is of type Bitstring[7]. The corresponding channel selection octet (third octet of the CHI information element) for basic access is a Bitstring[8]. The channel information is stored in the test case variables bch_num and r_bch_num which are of type BIT7OR8.
Type Definition
BIT STRING(SIZE(7..8))
Detailed Comments : &COMMON_U08

ASN.1 Type Definition
Type Name : BIT7OR15 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_U08 (modified)

ASN.1 Type Definition
Type Name : CHI Comments : Info Element CHannel Identification EN 300 102-1 clause 4.5.13
Type Definition
<pre> CHOICE { basic BASIC_CHI, primary PRIMARY_CHI } -- Local Type Definitions -- BASIC_CHI ::= SEQUENCE { chi_i CHI_I, -- Identifier chi_l BIT STRING (SIZE(8)), -- Length chi_e3_cs BIT STRING (SIZE(8)) -- Cannel selection } PRIMARY_CHI ::= SEQUENCE { chi_i CHI_I, -- Identifier chi_l BIT STRING (SIZE(8)), -- Length chi_e3_p1 BIT STRING (SIZE(4)), -- First nibble of Channel selection chi_e3_pe BIT STRING (SIZE(1)), -- Preferred/Exclusive Bit chi_e3_p3 BIT STRING (SIZE(3)), -- Last three bit of Channel selection chi_e4 BIT STRING (SIZE(8)), -- Channel type chi_e5_ch1 BIT STRING (SIZE(1)), chi_e5_ch2 BIT STRING (SIZE(7)) -- Channel number } </pre>
Detailed Comments : &COMMON_U08

ASN.1 Type Definition
Type Name : FIE Comments : Facility information element taken from ETS 300 196:1993; 11.2.2.1. Specified here for both send & receive event.
Type Definition
<pre> SEQUENCE { informationElementIdentifier FIE_I, length FIE_LengthType, extBit BIT STRING (SIZE (1)), spareBits BIT STRING (SIZE (2)), protocolProfile BIT STRING (SIZE (5)), components SET OF Component } </pre>
Detailed Comments : &COMMON_U08 When sending normally only one component is sent, but when receiving any number of components can be recieved even though normally we are only interested in one component.

ASN.1 Type Definition
Type Name : FIES Comments : This type carries a SET OF FIE. The order of the element is of no interest.
Type Definition
SET OF FIE
Detailed Comments : &COMMON_U08

ASN.1 Type Definition	
Type Name : Component	
Comments : ASN1_Encoding: BER The collection of all possible components for HOLD ss	
Type Definition	
<pre>CHOICE { hold_Components HOLD_Components, -- components for Explicit Channel Reservation general_Components General_Components -- allows for receipt of other components }</pre>	
Detailed Comments : &COMMON_U08 (modified) plural components as each type represents invoke, return result, return error etc.	

ASN.1 Type Definition	
Type Name : General_Components	
Comments : Non specified components must match this type definition.	
Type Definition	
<pre>CHOICE { general_InvokeComp [1] IMPLICIT General_InvokeComponent, general_ReturnResultComp [2] IMPLICIT General_ReturnResultComponent, general_ReturnErrorComp [3] IMPLICIT General_ReturnErrorComponent, general_RejectComp [4] IMPLICIT RejectComponent } -- This is the General InvokeComponent -- General_InvokeComponent ::= SEQUENCE { invokeID InvokeIDType, linked_ID [0] IMPLICIT InvokeIDType OPTIONAL, operation_value Operation, argument ANY OPTIONAL } -- This is the General ReturnResultComponent -- General_ReturnResultComponent ::= SEQUENCE { invokeID InvokeIDType, valueAndResult SEQUENCE { operation_value Operation, result ANY } OPTIONAL } -- This is the General ReturnErrorComponent -- General_ReturnErrorComponent ::= SEQUENCE { invokeID InvokeIDType, error ANY }</pre>	
Detailed Comments : &COMMON_U08	

ASN.1 Type Definition
Type Name : HOLD_Components Comments : Components for Explicit Channel Reservation
Type Definition
<pre>CHOICE { explicitReservationCreationControl_Invoke ExplicitReservationCreationControl_Invoke, explicitReservationCreationControl_ReturnResult ExplicitReservationCreationControl_ReturnResult, explicitReservationManagement_Invoke ExplicitReservationManagement_Invoke, explicitReservationManagement_ReturnResult ExplicitReservationManagement_ReturnResult, explicitReservationCancel_Invoke ExplicitReservationCancel_Invoke, explicitReservationCancel_ReturnResult ExplicitReservationCancel_ReturnResult }</pre>
Detailed Comments :

ASN.1 Type Definition
Type Name : FIE_LengthType Comments :
Type Definition
<pre>BIT STRING(SIZE(8))</pre>
Detailed Comments : &COMMON_U08 This type is needed in the test suite operation CALC_FIE_LENGTH.

ASN.1 Type Definition
Type Name : InvokeIDType Comments :
Type Definition
<pre>INTEGER (-32768 .. 32767)</pre>
Detailed Comments : &COMMON_U08 Values: Sending Components: If it is an invoke component then use Test Case Variable (with default) to set value. If another invoke component is sent the TCV should be incremented beforehand. If it is a return result, error or reject component in response to a received invoke component then use TCV also, making sure the value is set to the value of the received component beforehand. Receiving Components: If it is an invoke comp then use '?'. If it is a return result, error or reject component in response to a sent invoke component then use TCV value (as used in sent invoke component).

ASN.1 Type Definition
Type Name : Operation Comments : from ETS 300 196 (table E.1) & CCITT X.219 (figure 4).
Type Definition
<pre>CHOICE { localValue INTEGER, globalValue OBJECT IDENTIFIER} </pre>
Detailed Comments : &COMMON_U08

ASN.1 Type Definition	
Type Name : RejectComponent	
Comments : Reject Component is not specific to any particular operation. The invokeID may be used to identify a specific operation.	
Type Definition	
<pre>SEQUENCE { invokedID CHOICE { invokeID InvokeIDType, null NULL }, problem CHOICE { generalProblem [0] IMPLICIT GeneralProblem, invokeProblem [1] IMPLICIT InvokeProblem, returnResultProblem [2] IMPLICIT ReturnResultProblem, returnErrorProblem [3] IMPLICIT ReturnErrorProblem } }</pre>	
Detailed Comments : &COMMON_U08	

ASN.1 Type Definition	
Type Name : ROSE_Problems	
Comments : from ETS 300 196 D.1	
Type Definition	
<pre>INTEGER { unrecognizedComponent (0), -- GeneralProblem unrecognizedInvocation (0), -- ReturnResultProblem, ReturnErrorProblem duplicateInvocation (0), -- InvokeProblem mistypedComponent (1), -- GeneralProblem errorResponseUnexpected (1), -- ReturnErrorProblem resultResponseUnexpected (1), -- ReturnResultProblem unrecognizedOperation (1), -- InvokeProblem badlyStructuredComponent (2), -- GeneralProblem unrecognizedError (2), -- ReturnErrorProblem mistypedArgument (2), -- InvokeProblem mistypedResult (2), -- ReturnResultProblem resourceLimitation (3), -- InvokeProblem unexpectedError (3), -- ReturnErrorProblem mistypedParameter (4), -- ReturnErrorProblem initiatorReleasing (4), -- InvokeProblem unrecognizedLinkedID (5), -- InvokeProblem linkedResponseUnexpected (6), -- InvokeProblem unexpectedChildOperation (7) -- InvokeProblem }</pre>	
Detailed Comments : &COMMON_U08 Errors of the same integer value are distinguished by their different parent types (General, Invoke, ReturnResult, ReturnError).	

ASN.1 Type Definition	
Type Name : GeneralProblem	
Comments : from ETS 300 196 D.1	
Type Definition	
<pre>ROSE_Problems (unrecognizedComponent mistypedComponent badlyStructuredComponent)</pre>	
Detailed Comments : COMMON_07 Type restricted to these three.	

ASN.1 Type Definition	
Type Name : InvokeProblem	
Comments : from ETS 300 196 D.1	
Type Definition	
ROSE_Problems	(duplicateInvocation unrecognizedOperation mistypedArgument resourceLimitation initiatorReleasing unrecognizedLinkedID linkedResponseUnexpected unexpectedChildOperation)
Detailed Comments : &COMMON_U08 Type restricted to these 8.	

ASN.1 Type Definition	
Type Name : ReturnErrorProblem	
Comments : from ETS 300 196 D.1	
Type Definition	
ROSE_Problems	(unrecognizedInvocation errorResponseUnexpected unrecognizedError unexpectedError mistypedParameter)
Detailed Comments : &COMMON_U08 Type restricted to these 5.	

ASN.1 Type Definition	
Type Name : ReturnResultProblem	
Comments : from ETS 300 196 D.1	
Type Definition	
ROSE_Problems	(unrecognizedInvocation resultResponseUnexpected mistypedResult)
Detailed Comments : &COMMON_U08 Type restricted to these three.	

ASN.1 Type Definition	
Type Name : ExplicitReservationCreationControl_Invoke	
Comments : Ref. ETS 300 196 Tables D.1,D.7 and E.1	
Type Definition	
<pre> [1] IMPLICIT SEQUENCE { -- Invoke component invokeID InvokeIDType, operation_value ExplicitReservationOperationValues (explicitReservationCreationControl), argument ENUMERATED { noReservationRequired (0), reservationRequiredWithReservationIndicator (1), reservationRequiredWithoutReservationIndicator (2) } } </pre>	
Detailed Comments :	

ASN.1 Type Definition	
Type Name : ExplicitReservationCreationControl_ReturnResult	
Comments : Ref. ETS 300 196 Tables D.1,D.7 and E.1	
Type Definition	
<pre> [2] IMPLICIT SEQUENCE { -- Return Result component invokeID InvokeIDType, result_seq SEQUENCE { operation_value ExplicitReservationOperationValues (explicitReservationCreationControl), result ReservationIndicator } OPTIONAL } </pre>	
Detailed Comments :	

ASN.1 Type Definition	
Type Name : ExplicitReservationManagement_Invoke	
Comments : Ref. ETS 300 196 Tables D.1,D.7 and E.1	
Type Definition	
<pre> [1] IMPLICIT SEQUENCE { -- Invoke component invokeID InvokeIDType, operation_value ExplicitReservationOperationValues (explicitReservationManagement), argument ReservationIndicator OPTIONAL } </pre>	
Detailed Comments :	

ASN.1 Type Definition	
Type Name : ExplicitReservationManagement_ReturnResult	
Comments : Ref. ETS 300 196 Tables D.1,D.7 and E.1	
Type Definition	
<pre>[2] IMPLICIT SEQUENCE{ invokeID InvokeIDType, result_seq SEQUENCE { operation_value ExplicitReservationOperationValues (explicitReservationManagement) } }</pre>	
Detailed Comments :	

ASN.1 Type Definition	
Type Name : ExplicitReservationCancel_Invoke	
Comments : Ref. ETS 300 196 Tables D.1,D.7 and E.1	
Type Definition	
<pre>[1] IMPLICIT SEQUENCE { invokeID InvokeIDType, operation_value ExplicitReservationOperationValues (explicitReservationCancel), argument ReservationIndicator OPTIONAL }</pre>	
Detailed Comments :	

ASN.1 Type Definition	
Type Name : ExplicitReservationCancel_ReturnResult	
Comments : Ref. ETS 300 196 Tables D.1,D.7 and E.1	
Type Definition	
<pre>[2] IMPLICIT SEQUENCE{ invokeID InvokeIDType, result_seq SEQUENCE { operation_value ExplicitReservationOperationValues (explicitReservationCancel) } }</pre>	
Detailed Comments :	

ASN.1 Type Definition	
Type Name : ExplicitReservationOperationValues	
Comments : Ref. ETS 300 196 table D7	
Type Definition	
<pre>INTEGER { explicitReservationCreationControl (20), explicitReservationManagement (21), explicitReservationCancel (22) }</pre>	
Detailed Comments : The Operation values for Explicit Reservation are collected in this type so that they can be used i more than one other type.	

ASN.1 Type Definition	
Type Name : ReservationIndicator	
Comments : Ref. ETS 300 196 table D.7	
Type Definition	
INTEGER (-128..127)	
Detailed Comments :	

Test Suite Operation Definition	
Operation Name	: ASSIGN_CHI(basic, primary: CHI; basic_flag: BOOLEAN)
Result Type	: CHI
Comments	: This operation is used to assign a correct Channel identification information element to PDUs dependant on the type of access that is tested.
Description	
<pre>{ if(basic_flag) return basic; /* Testing the basic access */ else return primary; /* Testing the primary rate access */ }</pre>	
Detailed Comments : &COMMON_U08	

Test Suite Operation Definition	
Operation Name	: CALC_FIE_LENGTH(COMP: Component)
Result Type	: FIE_LengthType
Comments	: This operation is used to calculate the length of a Facility information element that carries a component.
Description	
The return value represents the length of the contents of a Facility information element in which this test suite operation is called depending on the number and the contents of the ROSE components included.	
Detailed Comments : &COMMON_U08	

Test Suite Operation Definition	
Operation Name	: GET_INVOKEID(FAC_IE: FIES; COMP: Component)
Result Type	: INTEGER
Comments	: This operation finds the invoke Id of the specified component in the received Facility information element(s)
Description	
This operation finds the component specified in the COMP parameter within the Facility information element(s) specified in the FAC_IE parameter and returns the value of the invoke identifier of that component. Example: inv_ID:= GET_INVOKEID (FAC_PDU.fie,MCIDinv)	
Detailed Comments : &COMMON_U08	

Test Suite Parameter Declarations			
Parameter Name	Type	PICS/PIXIT Ref	Comments
BASIC	BOOLEAN	HOLD_USER_PIXIT 1.1	TRUE -> basic access FALSE -> primary rate access
BAL	BOOLEAN	BC_PICS MT1	IUT sends alerting message
cr_LENGTH	CR_LENGTH_TYPE	HOLD_USER_PIXIT 1.2	Call Reference length value (1..2)
BDL	BOOLEAN	BC_PICS MC2.5 (see NOTE)	SETUP on broadcast data link
ST	BOOLEAN	HOLD_PICS R3.1	Coincident S and T reference point.
NT2_HOLD	BOOLEAN	HOLD_PICS R3.2	IUT is an private ISDN where calls can be held at the S reference point.
U04_HOLD	BOOLEAN	HOLD_PICS MC1.2	Supports call hold in state U04
U04_NT2_HOLD	BOOLEAN	HOLD_PICS MC2.2	IUT as a private network supports call hold in state U04
RESP	BOOLEAN	GFP_PICS R 5.2	Supports the functions of a responding entity
ECR	BOOLEAN	GFP_PICS MCu 4.2	Supports Explicit Channel Reservation
BCAPV	OCTETSTRING	BC_PIXIT 1.1	Bearer capability value
LIPN	OCTETSTRING	BC_PIXIT 1.6	Length of the IUT party number (including NPI)
CDPN_OCTET3	OCTETSTRING	BC_PIXIT 1.6	IUT Type of number and Numbering plan identifier (octet 3 of CDPN)
IPN	OCTETSTRING	BC_PIXIT 1.6	IUT party number
LLCV	OCTETSTRING	BC_PIXIT 1.5	Low layer compatibility value
HLCV	OCTETSTRING	BC_PIXIT 1.3	High layer compatibility value
U7_MAINT	BOOLEAN	BC_PIXIT 4.1	State U7 maintained
CH_NUM	CH_NUM_TYPE	PRA_PIXIT 1.9	B-channel number (0..31)
BXCON	BOOLEAN	BC_PIXIT 3.1	<IUT!CONN>
BXSET	BOOLEAN	BC_PIXIT 3.8	<IUT!SETUP>
BXHOLD_U04	BOOLEAN	HOLD_USER_PIXIT 2.1	<IUT!HOLD> in state U04
BXHOLD_U10	BOOLEAN	HOLD_USER_PIXIT 2.1	<IUT!HOLD> in state U10
BXRET	BOOLEAN	HOLD_USER_PIXIT 2.2	<IUT!RETRIEVE>
FACV	FIES	HOLD_USER_PIXIT 4.1	Facility IE which does not cause any response from IUT
RES_IND	BOOLEAN	HOLD_USER_PIXIT 3.1	Supports Reservation Indicator
NO_RES_IND	BOOLEAN	HOLD_USER_PIXIT 3.2	Supports ECR without Reservation Indicator
BX_U03_001	BOOLEAN	HOLD_USER_PIXIT 2.3	Implicit sends for HOLD_U03_001 possible
BX_U03_002	BOOLEAN	HOLD_USER_PIXIT 2.4	Implicit sends for HOLD_U03_002 possible
BX_U03_003	BOOLEAN	HOLD_USER_PIXIT 2.5	Implicit sends for HOLD_U03_003 possible
BX_U03_004	BOOLEAN	HOLD_USER_PIXIT 2.6	Implicit sends for HOLD_U03_004 possible
BX_U04_001	BOOLEAN	HOLD_USER_PIXIT 2.7	Implicit sends for HOLD_U04_001 possible
BX_U04_002	BOOLEAN	HOLD_USER_PIXIT 2.8	Implicit sends for HOLD_U04_002 possible
BX_U04_003	BOOLEAN	HOLD_USER_PIXIT 2.9	Implicit sends for HOLD_U04_003 possible
BX_U04_004	BOOLEAN	HOLD_USER_PIXIT 2.10	Implicit sends for HOLD_U04_004 possible
BX_U05_001	BOOLEAN	HOLD_USER_PIXIT 2.11	Implicit sends for HOLD_U05_001 possible

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Test Suite Parameter Declarations			
Parameter Name	Type	PICS/PIXIT Ref	Comments
BX_U05_002	BOOLEAN	HOLD_USER_PIXIT 2.12	Implicit sends for HOLD_U05_002 possible
BX_U05_003	BOOLEAN	HOLD_USER_PIXIT 2.13	Implicit sends for HOLD_U05_003 possible
BX_U05_004	BOOLEAN	HOLD_USER_PIXIT 2.14	Implicit sends for HOLD_U05_004 possible
BX_U05_005	BOOLEAN	HOLD_USER_PIXIT 2.15	Implicit sends for HOLD_U05_005 possible
BX_U05_006	BOOLEAN	HOLD_USER_PIXIT 2.16	Implicit sends for HOLD_U05_006 possible
BX_U05_007	BOOLEAN	HOLD_USER_PIXIT 2.17	Implicit sends for HOLD_U05_007 possible
BX_U05_008	BOOLEAN	HOLD_USER_PIXIT 2.18	Implicit sends for HOLD_U05_008 possible
BX_U05_009	BOOLEAN	HOLD_USER_PIXIT 2.19	Implicit sends for HOLD_U05_009 possible
BX_U05_010	BOOLEAN	HOLD_USER_PIXIT 2.20	Implicit sends for HOLD_U05_010 possible
BX_U05_011	BOOLEAN	HOLD_USER_PIXIT 2.21	Implicit sends for HOLD_U05_011 possible
BX_U05_012	BOOLEAN	HOLD_USER_PIXIT 2.22	Implicit sends for HOLD_U05_012 possible
BX_U06_001	BOOLEAN	HOLD_USER_PIXIT 2.23	Implicit sends for HOLD_U06_001 possible
BX_U06_002	BOOLEAN	HOLD_USER_PIXIT 2.24	Implicit sends for HOLD_U06_002 possible
BX_U06_003	BOOLEAN	HOLD_USER_PIXIT 2.25	Implicit sends for HOLD_U06_003 possible
BX_U06_004	BOOLEAN	HOLD_USER_PIXIT 2.26	Implicit sends for HOLD_U06_004 possible
BX_U06_005	BOOLEAN	HOLD_USER_PIXIT 2.27	Implicit sends for HOLD_U06_005 possible
BX_U06_006	BOOLEAN	HOLD_USER_PIXIT 2.28	Implicit sends for HOLD_U06_006 possible
BX_U06_007	BOOLEAN	HOLD_USER_PIXIT 2.29	Implicit sends for HOLD_U06_007 possible
BX_U06_008	BOOLEAN	HOLD_USER_PIXIT 2.30	Implicit sends for HOLD_U06_008 possible
BX_U06_009	BOOLEAN	HOLD_USER_PIXIT 2.31	Implicit sends for HOLD_U06_009 possible
BX_U06_010	BOOLEAN	HOLD_USER_PIXIT 2.32	Implicit sends for HOLD_U06_010 possible
Detailed Comments : The PICS/PIXIT references are taken from the proformas in the following specifications: HOLD_USER_PICS: ETS 300 141-2; HOLD_USER_PIXIT: Annex B ETS 300 141-4; PRA_PIXIT: I-ETS 300 319; BC_PIXIT: I-ETS 300 318 or I-ETS 300 319; GFP_PICS: ETS 300 196-2 NOTE: For Primary rate BDL shall be set to FALSE. For basic rate it shall be set to false if I-ETS 300 314 MC2.5 is false and shall be set to true if MC2.4 is false. If both MC2.4 and MC2.5 are true then either setting may be used.			

Test Case Selection Expression Definitions		
Expression Name	Selection Expression	Comments
SEL_SERV_ST	ST	Coincident S and T reference point - served user
SEL_SERV_ST_HOLD	ST AND (BXHOLD_U04 OR BXHOLD_U10)	Coincident S and T reference point - served user - implicit HOLD
SEL_SERV_ST_RET	ST AND (BXHOLD_U04 OR BXHOLD_U10) AND BXRET	Coincident S and T reference point - served user - implicit RETRIEVE
SEL_SERV_ST_ECR	ST AND ECR	Coincident S and T reference point - served user - Explicit Channel Reservation supported
SEL_NT2	NT2_HOLD	IUT is an NT2 where calls can be held at the S reference point
SEL_ST_U04	ST AND BXSET AND U04_HOLD AND BXHOLD_U04	S/T tests in state U04 relevent and possible
SEL_ST_U10	ST AND BXCON AND BXHOLD_U10	S/T tests in state U10 relevent and possible
SEL_NT2_U04	NT2_HOLD AND BXSET AND U04_NT2_HOLD	IUT is an NT2 where calls can be held at the S reference point and U04 tests are possible.
SEL_NT2_U10	NT2_HOLD AND BXCON	IUT is an NT2 where calls can be held at the S reference point and U10 tests are possible.
SEL_REM_U07	BAL AND U7_MAINT	State U07 tests possible (remote user)
SEL_REM_U10	BXCON	State U10 tests possible (remote user)
SEL_ST_U10_HOLD	SEL_SERV_ST_HOLD AND SEL_ST_U10	State U10 HOLD tests possible with implicit HOLD.
SEL_ST_U04_HOLD	SEL_SERV_ST_HOLD AND SEL_ST_U04	State U04 HOLD tests possible with implicit HOLD.
SEL_ST_U04_HOLD_RESP	SEL_ST_U04_HOLD AND RESP	State U04 HOLD tests possible with implicit HOLD and IUT can act as responder
SEL_ST_U10_RET	SEL_SERV_ST_RET AND SEL_ST_U10	State U10 RETRIEVE tests possible with implicit HOLD and RETRIEVE
SEL_ST_U04_RET	SEL_SERV_ST_RET AND SEL_ST_U04	State U04 RETRIEVE tests possible with implicit RETRIEVE.
SEL_ST_U04_RET_RESP	SEL_ST_U04_RET AND RESP	State U04 RETRIEVE tests possible with implicit HOLD and RETRIEVE, and IUT can act as responder
SEL_ST_U04_ECR	SEL_ST_U04 AND ECR	ECR tests in state U04 relevent and possible
SEL_ST_U10_ECR	SEL_ST_U10 AND ECR	ECR tests in state U04 relevent and possible
SEL_U03_001	SEL_ST_U04_ECR AND BX_U03_001	HOLD_U03_001 possible
SEL_U03_002	SEL_ST_U10_ECR AND BX_U03_002	HOLD_U03_002 possible
SEL_U03_003	SEL_ST_U04_ECR AND BX_U03_003	HOLD_U03_003 possible
SEL_U03_004	SEL_ST_U10_ECR AND BX_U03_004	HOLD_U03_004 possible
SEL_U04_001	SEL_ST_U04_ECR AND RES_IND AND BX_U04_001	HOLD_U04_001 possible
SEL_U04_002	SEL_ST_U04_ECR AND NO_RES_IND AND BX_U04_002	HOLD_U04_002 possible
SEL_U04_003	SEL_ST_U10_ECR AND RES_IND AND BX_U04_003	HOLD_U04_003 possible
SEL_U04_004	SEL_ST_U10_ECR AND NO_RES_IND AND BX_U04_004	HOLD_U04_004 possible
SEL_U05_001	SEL_ST_U04_ECR AND RES_IND AND BX_U05_001	HOLD_U05_001 possible

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Test Case Selection Expression Definitions		
Expression Name	Selection Expression	Comments
SEL_U05_002	SEL_ST_U04_ECR AND NO_RES_IND AND BX_U05_002	HOLD_U05_002 possible
SEL_U05_003	SEL_ST_U10_ECR AND RES_IND AND BX_U05_003	HOLD_U05_003 possible
SEL_U05_004	SEL_ST_U10_ECR AND NO_RES_IND AND BX_U05_004	HOLD_U05_004 possible
SEL_U05_005	SEL_ST_U04_ECR AND RES_IND AND BX_U05_005	HOLD_U05_005 possible
SEL_U05_006	SEL_ST_U04_ECR AND NO_RES_IND AND BX_U05_006	HOLD_U05_006 possible
SEL_U05_007	SEL_ST_U10_ECR AND NO_RES_IND AND BX_U05_007	HOLD_U05_007 possible
SEL_U05_008	SEL_ST_U10_ECR AND RES_IND AND BX_U05_008	HOLD_U05_008 possible
SEL_U05_009	SEL_ST_U04_ECR AND RES_IND AND BX_U05_009	HOLD_U05_009 possible
SEL_U05_010	SEL_ST_U04_ECR AND NO_RES_IND AND BX_U05_010	HOLD_U05_010 possible
SEL_U05_011	SEL_ST_U10_ECR AND RES_IND AND BX_U05_011	HOLD_U05_011 possible
SEL_U05_012	SEL_ST_U10_ECR AND BX_U05_012	HOLD_U05_012 possible
SEL_U06_001	SEL_ST_U04_ECR AND BX_U06_001	HOLD_U06_001 possible
SEL_U06_002	SEL_ST_U10_ECR AND BX_U06_002	HOLD_U06_002 possible
SEL_U06_003	SEL_ST_U04_ECR AND BX_U06_003	HOLD_U06_003 possible
SEL_U06_004	SEL_ST_U10_ECR AND BX_U06_004	HOLD_U06_004 possible
SEL_U06_005	SEL_ST_U04_ECR AND BX_U06_005	HOLD_U06_005 possible
SEL_U06_006	SEL_ST_U10_ECR AND BX_U06_006	HOLD_U06_006 possible
SEL_U06_007	SEL_ST_U04_ECR AND BX_U06_007	HOLD_U06_007 possible
SEL_U06_008	SEL_ST_U10_ECR AND BX_U06_008	HOLD_U06_008 possible
SEL_U06_009	SEL_ST_U04_ECR AND BX_U06_009	HOLD_U06_009 possible
SEL_U06_010	SEL_ST_U10_ECR AND BX_U06_010	HOLD_U06_010 possible
Detailed Comments :		

Test Case Variable Declarations			
Variable Name	Type	Value	Comments
CREF	BIT7OR15		Call Ref. value (1)
CREF2	BIT7OR15	'0000010'B	Call Ref. value for second call
GLOB_CREF	BIT7OR15		Call Ref. value (1)
ECV	INTEGER	-1	Expected Cause value
STAT_TRANSM	BOOLEAN	FALSE	(3)
bch_num	BIT7OR8		B-channel for call, BITSTRING[7..8] (1)
r_bch_num	BIT7OR8		B-channel to be reset, BITSTRING[7..8] (1)
NOT_FL	INTEGER		used to store the inverted flag (1)
invkID	InvokeIDType		Invoke ID of current transaction
reserInd	ReservationIndicator	1	Current reservation indicator
resInd_Used	BOOLEAN		Flag to indicate if reservation indicator used where optional
Detailed Comments : &COMMON_U08 (modified) (1) This TS_Var cannot have any default value. It has to be assigned in dynamic part by "branching". (2) Used to store the current time of a running timer. (3) Used to handle the reception of STATUS PDUs.			

PCO Declarations			
PCO Name	PCO Type	Role	Comments
L	SAP	LT	SAP at the lower tester controlling and observing the exchange of call control PDUs (messages) on the ISDN layer 3 D-channel. The lower tester is the user of the data link layer service.
Detailed Comments : &COMMON_U08			

Timer Declarations			
Timer Name	Duration	Unit	Comments
T316MAX	126	s	R1 RESTART sent
T302	15	s	Network side timer T302
T_HOLDMAX	4200	ms	Maximum value of T_HOLD. 5% tollerance assumed.
T_RETRIEVEMAX	4200	ms	Maximum value of T_RETRIEVE. 5% tollerance assumed.
TWAIT	189	s	any LT is waiting for IUT initiated test event (timer used for test synchronisation)
TAC	32	s	any LT is waiting for IUT initiated test event (2) (timer used for test synchronisation)
TNOAC	2	s	any LT is controlling IUT inactivity (timer used for test synchronisation)
Detailed Comments : &COMMON_U08 (modified)			

ASP Type Definition		
ASP Name : DL_EST_RQ (DL_ESTABLISH_REQUEST) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to request the establishment of multiple frame operation (L3 ---> L2)		
Parameter Name	Parameter Type	Comments
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_EST_IN (DL_ESTABLISH_INDICATION) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to indicate the establishment of multiple frame operation ASP is used to i(L2 ---> L3) (L3 ---> L2)		
Parameter Name	Parameter Type	Comments
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_EST_CO (DL_ESTABLISH_CONFIRM) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to confirm the establishment of multiple frame operation (L2 ---> L3)		
Parameter Name	Parameter Type	Comments
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_REL_RQ (DL_RELEASE_REQUEST) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to request the termination of an established multiple frame operation (L3 ---> L2)		
Parameter Name	Parameter Type	Comments
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_REL_IN (DL_RELEASE_INDICATION) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to indicate the termination of an established multiple frame operation or to report an unsuccessful establishment attempt (L2 ---> L3)		
Parameter Name	Parameter Type	Comments
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_REL_CO (DL_RELEASE_CONFIRM) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to confirm the termination of an established multiple frame operation (L2 ---> L3)		
Parameter Name	Parameter Type	Comments
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_DAT_RQ_ALERT (DL_DATA_REQUEST) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ---> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	ALERT_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_DAT_RQ_CALL_PROC (DL_DATA_REQUEST) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ---> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	CALL_PROC_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_DAT_RQ_CONN_ACK (DL_DATA_REQUEST) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ---> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	CONN_ACK_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_DAT_RQ_FAC (DL_DATA_REQUEST) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ---> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	FAC_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_DAT_RQ_HOLD (DL_DATA_REQUEST) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ---> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	HOLD_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_DAT_RQ_HOLD_ACK (DL_DATA_REQUEST) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ---> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	HOLD_ACK_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_DAT_RQ_HOLD_REJ (DL_DATA_REQUEST) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ---> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	HOLD_REJ_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_DAT_RQ_NOTIFY (DL_DATA_REQUEST) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ---> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	NOTIFY_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_DAT_RQ_PROG (DL_DATA_REQUEST) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ---> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	PROG_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_DAT_RQ_REL (DL_DATA_REQUEST) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ---> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	REL_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_DAT_RQ_REL_COM (DL_DATA_REQUEST) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ---> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	REL_COM_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_DAT_RQ_RESTART_ACK (DL_DATA_REQUEST) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ---> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	RESTART_ACK_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_DAT_RQ_RET (DL_DATA_REQUEST) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ---> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	RET_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_DAT_RQ_RET_ACK (DL_DATA_REQUEST) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ---> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	RET_ACK_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_DAT_RQ_RET_REJ (DL_DATA_REQUEST) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ---> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	RET_REJ_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_DAT_RQ_SETUP (DL_DATA_REQUEST) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ---> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	SETUP_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_DAT_RQ_SETUP_ACK (DL_DATA_REQUEST) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ---> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	SETUP_ACK_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_DAT_RQ_ST_ENQ (DL_DATA_REQUEST) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to request the transmission of layer 3 pdus using acknowledged operation (L3 ---> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	ST_ENQ_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_DAT_IN_ALERTr (DL_DATA_INDICATION) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ---> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	ALERT_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_DAT_IN_CALL_PROCr (DL_DATA_INDICATION) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ---> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	CALL_PROC_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_DAT_IN_CONNr (DL_DATA_INDICATION) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ---> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	CONN_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_DAT_IN_DISCr (DL_DATA_INDICATION) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ---> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	DISC_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_DAT_IN_FACr (DL_DATA_INDICATION) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ---> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	FAC_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_DAT_IN_HOLD _r (DL_DATA_INDICATION)		
PCO Type : SAP		
Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ---> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	HOLD_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_DAT_IN_HOLD_ACK _r (DL_DATA_INDICATION)		
PCO Type : SAP		
Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ---> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	HOLD_ACK_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_DAT_IN_INFOr (DL_DATA_INDICATION)		
PCO Type : SAP		
Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ---> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	INFO_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_DAT_IN_NOTIFYr (DL_DATA_INDICATION) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ---> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	NOTIFY_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_DAT_IN_GFP_MSGr (DL_DATA_INDICATION) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ---> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	GFP_MSG_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_DAT_IN_REL_COMr (DL_DATA_INDICATION) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ---> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	REL_COM_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_DAT_IN_RESTARTr (DL_DATA_INDICATION) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ---> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	RESTART_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_DAT_IN_RETr (DL_DATA_INDICATION) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ---> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	RET_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_DAT_IN_RET_ACKr (DL_DATA_INDICATION) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ---> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	RET_ACK_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_DAT_IN_SETUPr (DL_DATA_INDICATION) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ---> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	SETUP_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_UDAT_RQ_SETUP_B (DL_UNIT_DATA_REQUEST) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to request the transmission of layer 3 pdus using unacknowledged operation (L3 ---> L2)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	SETUP_PDU	contains network layer (peer-to-peer message) pdu. Unacknowledged operation used.
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_DAT_IN_STATUSr (DL_DATA_INDICATION) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ---> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	STATUS_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_DAT_IN_ST_ENQr (DL_DATA_INDICATION) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ---> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	ST_ENQ_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments : &COMMON_U08		

ASP Type Definition		
ASP Name : DL_DAT_IN_GENERICr (DL_DATA_INDICATION) PCO Type : SAP Comments : CEId: = (SAPI,CES) mapped onto DLCI: = (SAPI,TEI) ASP is used to indicate the receipt of layer 3 pdus using acknowledged operation (L2 ---> L3)		
Parameter Name	Parameter Type	Comments
mun (Message Unit)	GENERIC_PDU	contains network layer (peer-to-peer message) pdu. Acknowledged operation used.
Detailed Comments :		

PDU Type Definition		
PDU Name : ALERT_PDU PCO Type : SAP Comments : ALERTing u <-> n EN 300 102-1 subclause 3.1.1		
Field Name	Field Type	Comments
pd	PD	protocol discriminator M
cr	CR	call reference M OCTETSTRING[1..3]
mt	BITSTRING [8]	message type M
chi	CHI	channel identification C OCTETSTRING[2..5]
fie	FIES	facility O
pi	PI	progress indicator O OCTETSTRING[2..4]
dsp	DSP	display (n->u) O OCTETSTRING[2..34]
uui	UUI	user-user information O OCTETSTRING[2..131]
Detailed Comments : &COMMON_U08		

PDU Type Definition		
PDU Name : CALL_PROC_PDU PCO Type : SAP Comments : CALL PROCeeding u <-> n local EN 300 102-1 subclause 3.1.2		
Field Name	Field Type	Comments
pd	PD	protocol discriminator M
cr	CR	call reference M OCTETSTRING[1..3]
mt	BITSTRING [8]	message type M
chi	CHI	channel identification C OCTETSTRING[2..5]
fie	FIES	facility O
pi	PI	progress indicator O OCTETSTRING[2..4]
dsp	DSP	display (n->u) O OCTETSTRING[2..34]
Detailed Comments : &COMMON_U08		

PDU Type Definition		
PDU Name : CONN_PDU PCO Type : SAP Comments : CONNect u <-> n EN 300 102-1 subclause 3.1.4		
Field Name	Field Type	Comments
pd	PD	protocol discriminator M
cr	CR	call reference M OCTETSTRING[1..3]
mt	BITSTRING [8]	message type M
chi	CHI	channel identification C OCTETSTRING[2..5]
fie	FIES	facility O
pi	PI	progress indicator O OCTETSTRING[2..4]
dsp	DSP	display (n ->u) O OCTETSTRING[2..34]
dati	DATI	date/time (n->u) O OCTETSTRING [2..7]
llc	OCTETSTRING [0 TO 16]	low layer compatib. O
uui	UUI	user-user information O OCTETSTRING[2..131]
Detailed Comments : &COMMON_U08		

PDU Type Definition		
PDU Name : CONN_ACK_PDU PCO Type : SAP Comments : CONNect ACKnowledge u <-> n local EN 300 102-1 subclause 3.1.5		
Field Name	Field Type	Comments
pd	PD	protocol discriminator M
cr	CR	call reference M OCTETSTRING[1..3]
mt	BITSTRING [8]	message type M
chi	CHI	channel identification C OCTETSTRING[2..5]
fie	FIES	facility O
dsp	DSP	display (n ->u) O OCTETSTRING[2..34]
Detailed Comments : &COMMON_U08		

PDU Type Definition		
PDU Name : DISC_PDU PCO Type : SAP Comments : DISConnect u <-> n EN 300 102-1 subclause 3.1.6		
Field Name	Field Type	Comments
pd	PD	protocol discriminator M
cr	CR	call reference M OCTETSTRING[1..3]
mt	BITSTRING [8]	message type M
cau	CAU	cause O OCTETSTRING[4..34]
fie	FIES	facility O
pi	PI	progress indicator O OCTETSTRING[2..4]
noid	NOID	notification indicator O OCTETSTRING[3]
dsp	DSP	display (n ->u) O OCTETSTRING[2..34]
uui	UII	user-user information O OCTETSTRING[2..131]
Detailed Comments : &COMMON_U08 (modified) NOID is not in the definition of the message (EN 300 102-1 3.1.6) but may be included under ETS 300 196 11.2.2.2.		

PDU Type Definition		
PDU Name : FAC_PDU PCO Type : SAP Comments : FACility u <-> n EN 300 196 subclause 11.1.1.1, 11.1.2.1, 11.1.3.1,11.2.2.2		
Field Name	Field Type	Comments
pd	PD	protocol discriminator M
cr	CR	call reference M OCTETSTRING[1..3]
mt	BITSTRING [8]	message type M
fie	FIES	facility M
noid	NOID	notification indicator O OCTETSTRING[3]
dsp	DSP	display (n ->u) O OCTETSTRING[2..34]
cdpn	CDPN	called party number O OCTETSTRING[2..23]
cdps	CDPS	called party subaddr. O OCTETSTRING [2..23]
Detailed Comments : &COMMON_U08 (modified) CDPN and CDPS may only be included, if the dummy call reference is used. NOID is not in the definition of the message (EN 300 196 11.1.1.1) but may be included under ETS 300 196 11.2.2.2.		

PDU Type Definition		
PDU Name : HOLD_PDU PCO Type : SAP Comments : HOLD u <-> n EN 300 196 subclause 11.1.1.2		
Field Name	Field Type	Comments
pd	PD	protocol discriminator M
cr	CR	call reference M OCTETSTRING[1..3]
mt	BITSTRING [8]	message type M
fie	FIES	facility O
dsp	DSP	display (n ->u) O OCTETSTRING[2..34]
Detailed Comments : &COMMON_U08		

PDU Type Definition		
PDU Name : HOLD_ACK_PDU PCO Type : SAP Comments : HOLD_ACKnowledge u <-> n EN 300 196 subclause 11.1.1.3		
Field Name	Field Type	Comments
pd	PD	protocol discriminator M
cr	CR	call reference M OCTETSTRING[1..3]
mt	BITSTRING [8]	message type M
fie	FIES	facility O
dsp	DSP	display (n ->u) O OCTETSTRING[2..34]
Detailed Comments : &COMMON_U08		

PDU Type Definition		
PDU Name : HOLD_REJ_PDU PCO Type : SAP Comments : HOLD_REJect u <-> n EN 300 196 subclause 11.1.1.4		
Field Name	Field Type	Comments
pd	PD	protocol discriminator M
cr	CR	call reference M OCTETSTRING[1..3]
mt	BITSTRING [8]	message type M
cau	CAU	cause O OCTETSTRING[4..34]
fie	FIES	facility O
dsp	DSP	display (n ->u) O OCTETSTRING[2..34]
Detailed Comments : &COMMON_U08		

PDU Type Definition		
PDU Name : INFO_PDU PCO Type : SAP Comments : INFOrmation u <-> n local EN 300 102-1 subclause 3.1.8		
Field Name	Field Type	Comments
pd	PD	protocol discriminator M
cr	CR	call reference M OCTETSTRING1..[3]
mt	BITSTRI NG [8]	message type M
sci	SCI	sending complete information O
cau	CAU	cause O OCTETSTRING[4..34]
fie	FIES	facility O
dsp	DSP	display (n ->u) O OCTETSTRING[2..34]
kpf	KPF	keypad facility (n ->u) O OCTETSTRING [2..34]
cdpn	CDPN	called party number O OCTETSTRING[2..23]
Detailed Comments : &COMMON_U08		

PDU Type Definition		
PDU Name : NOTIFY_PDU PCO Type : SAP Comments : NOTIFY u <-> n access EN 300 102-1 subclause 3.1.9		
Field Name	Field Type	Comments
pd	PD	protocol discriminator M
cr	CR	call reference M OCTETSTRING[3]
mt	BITSTRI NG [8]	message type M
noid	NOID	notification indicator M OCTETSTRING[3]
dsp	DSP	display (n ->u) O OCTETSTRING[2..34]
Detailed Comments : &COMMON_U08		

PDU Type Definition		
PDU Name : PROG_PDU PCO Type : SAP Comments : PROGress u <-> n EN 300 102-1 subclause 3.1.10, ETS 300 196 subclause 11.2.2.2		
Field Name	Field Type	Comments
pd	PD	protocol discriminator M
cr	CR	call reference M OCTETSTRING[1..3]
mt	BITSTRING [8]	message type M
cau	CAU	cause O OCTETSTRING[4..34]
fie	FIES	facility O
pi	PI	progress indicator M OCTETSTRING[2..4]
noid	NOID	notification indicator O OCTETSTRING[3]
dsp	DSP	display (n ->u) O OCTETSTRING[2..34]
uui	UUI	user-user information O OCTETSTRING[2..131]
Detailed Comments : &COMMON_U08 (modified) NOID is not in the definition of the message (EN 300 102-1 3.1.10) but may be included under ETS 300 196 11.2.2.2.		

PDU Type Definition		
PDU Name : GFP_MSG_PDU PCO Type : SAP Comments : u -> n EN 300 196, subclause 11		
Field Name	Field Type	Comments
pd	PD	protocol discriminator M
cr	CR	call reference M OCTETSTRING[1..3]
mt	GFP_MT_LIST	message type M
ie_list	OCTETSTRING	information element(s)
Detailed Comments : &COMMON_U08		

PDU Type Definition		
PDU Name : REL_PDU PCO Type : SAP Comments : RELease u <-> n local EN 300 102-1 subclause 3.1.11, ETS 300 196 subclause 11.2.2.2		
Field Name	Field Type	Comments
pd	PD	protocol discriminator M
cr	CR	call reference M OCTETSTRING[1..3]
mt	BITSTRING [8]	message type M
cau	CAU	cause C OCTETSTRING[4..34]
fie	FIES	facility O
noid	NOID	notification indicator O OCTETSTRING[3]
dsp	DSP	display (n ->u) O OCTETSTRING[2..34]
uui	UUI	user-user information O OCTETSTRING[2..131]
Detailed Comments : &COMMON_U08 (modified) NOID is not in the definition of the message (EN 300 102 3.1.11) but may be included under ETS 300 196 11.2.2.2.		

PDU Type Definition		
PDU Name : REL_COM_PDU PCO Type : SAP Comments : RELease COMplete u <-> n local EN 300 102-1 subclause 3.1.12, ETS 300 196 11.2.2.2		
Field Name	Field Type	Comments
pd	PD	protocol discriminator M
cr	CR	call reference M OCTETSTRING[1..3]
mt	BITSTRING [8]	message type M
cau	CAU	cause C OCTETSTRING[4..34]
fie	FIES	facility O
noid	NOID	notification indicator O OCTETSTRING[3]
dsp	DSP	display (n ->u) O OCTETSTRING[2..34]
uui	UUI	user-user info (u->n) O OCTETSTRING[2..131]
Detailed Comments : &COMMON_U08 (modified) NOID is not in the definition of the message (EN 300 102-1 3.1.12) but may be included under ETS 300 196 11.2.2.2.		

PDU Type Definition		
PDU Name : RESTART_PDU PCO Type : SAP Comments : RESTART u <-> n local EN 300 102-1 subclause 3.4.1		
Field Name	Field Type	Comments
pd	PD	protocol discriminator M
cr	CR	call reference M OCTETSTRING[3]
mt	BITSTRING [8]	message type M
chi	CHI	channel identification O OCTETSTRING[2..5]
dsp	DSP	display (n ->u) O OCTETSTRING[2..34]
ri	RI	restart indicator O OCTETSTRING[3]
Detailed Comments : &COMMON_U08		

PDU Type Definition		
PDU Name : RESTART_ACK_PDU PCO Type : SAP Comments : RESTART ACKnowledge u <-> n local EN 300 102-1 subclause 3.4.2		
Field Name	Field Type	Comments
pd	PD	protocol discriminator M
cr	CR	call reference M OCTETSTRING[3]
mt	BITSTRING [8]	message type M
chi	CHI	channel identification O OCTETSTRING[2..5]
dsp	DSP	display (n ->u) O OCTETSTRING[2..34]
ri	RI	restart indicator O OCTETSTRING[3]
Detailed Comments : &COMMON_U08		

PDU Type Definition		
PDU Name : RET_PDU PCO Type : SAP Comments : RETrieve u <-> n EN 300 196 subclause 11.1.1.5		
Field Name	Field Type	Comments
pd	PD	protocol discriminator M
cr	CR	call reference M OCTETSTRING[1..3]
mt	BITSTRING [8]	message type M
chi	CHI	channel identification C OCTETSTRING[2..5]
fie	FIES	facility O
dsp	DSP	display (n ->u) O OCTETSTRING[2..34]
Detailed Comments : &COMMON_U08		

PDU Type Definition		
PDU Name : RET_ACK_PDU PCO Type : SAP Comments : RETrieve_ACKnowledge u <-> n EN 300 196 subclause 11.1.1.6		
Field Name	Field Type	Comments
pd	PD	protocol discriminator M
cr	CR	call reference M OCTETSTRING[1..3]
mt	BITSTRING [8]	message type M
chi	CHI	channel identification C OCTETSTRING[2..5]
fie	FIES	facility O
dsp	DSP	display (n ->u) O OCTETSTRING[2..34]
Detailed Comments : &COMMON_U08		

PDU Type Definition		
PDU Name : RET_REJ_PDU PCO Type : SAP Comments : RETrieve_REJect u <-> n EN 300 196 subclause 11.1.1.7		
Field Name	Field Type	Comments
pd	PD	protocol discriminator M
cr	CR	call reference M OCTETSTRING[1..3]
mt	BITSTRING [8]	message type M
cau	CAU	cause M OCTETSTRING[4..34]
fie	FIES	facility O
dsp	DSP	display (n ->u) O OCTETSTRING[2..34]
Detailed Comments : &COMMON_U08		

PDU Type Definition		
PDU Name : SETUP_PDU PCO Type : SAP Comments : SETUP u <-> n EN 300 102-1 subclause 3.1.16		
Field Name	Field Type	Comments
pd	PD	protocol discriminator M
cr	CR	call reference M OCTETSTRING[1..3]
mt	BITSTRING [8]	message type M
sci	SCI	sending compl. infor. O
bcap	OCTETSTRING [4 TO 13]	bearer capab. n ->u M
chi	CHI	channel identification C OCTETSTRING[2..5]
fie	FIES	facility O
pi	PI	progress indicator O OCTETSTRING[2..4]
nsf	NSF	net. specific facil. O OCTETSTRING [2..254]
dsp	DSP	display (n ->u) O OCTETSTRING[2..34]
kpf	KPF	keypad facility n ->u O OCTETSTRING [2..34]
cgpn	CGPN	calling party number O OCTETSTRING [2..24]
cgps	CGPS	calling party subaddr. O OCTETSTRING [2..23]
cdpn	CDPN	called party number O OCTETSTRING[2..23]
cdps	CDPS	called party subaddr. O OCTETSTRING [2..23]
tns	TNS	transit net. select. O OCTETSTRING [2..254]
llc	OCTETSTRING [0 TO 16]	low layer compatib. O
hlc	OCTETSTRING [0 TO 4]	high layer compat. O
uui	UUI	user-user information O OCTETSTRING[2..131]
Detailed Comments : &COMMON_U08		

PDU Type Definition		
PDU Name : SETUP_ACK_PDU PCO Type : SAP Comments : SETUP ACKnowledge u <-> n local EN 300 102-1 subclause 3.1.17		
Field Name	Field Type	Comments
pd	PD	protocol discriminator M
cr	CR	call reference M OCTETSTRING[1..3]
mt	BITSTRING [8]	message type M
chi	CHI	channel identification C OCTETSTRING[2..5]
fie	FIES	facility O
pi	PI	progress indicator O OCTETSTRING[2..4]
dsp	DSP	display (n ->u) O OCTETSTRING[2..34]
Detailed Comments : &COMMON_U08		

PDU Type Definition		
PDU Name : STATUS_PDU PCO Type : SAP Comments : STATUS u <-> n local EN 300 102-1 subclause 3.1.18		
Field Name	Field Type	Comments
pd	PD	protocol discriminator M
cr	CR	call reference M OCTETSTRING[1..3]
mt	BITSTRING [8]	message type M
cau	CAU	cause M OCTETSTRING[4..34]
cst	CST	call state M OCTETSTRING[3]
dsp	DSP	display (n ->u) O OCTETSTRING[2..34]
Detailed Comments : &COMMON_U08		

PDU Type Definition		
PDU Name : ST_ENQ_PDU PCO Type : SAP Comments : Status_ENquiry u <-> n local EN 300 102-1 subclause 3.1.19		
Field Name	Field Type	Comments
pd	PD	protocol discriminator M
cr	CR	call reference M OCTETSTRING[1..3]
mt	BITSTRING [8]	message type M
dsp	DSP	display (n ->u) O OCTETSTRING[2..34]
Detailed Comments : &COMMON_U08		

PDU Type Definition		
PDU Name : GENERIC_PDU PCO Type : SAP Comments : Generic PDU This type is used where the IUT is to send an information element but the message is not specified		
Field Name	Field Type	Comments
pd	PD	protocol discriminator M
cr	CR	call reference M OCTETSTRING[1..3]
mt	BITSTRING [8]	message type M
sci	SCI	sending complete information
cau	CAU	cause OCTETSTRING[4..34]
fie	FIES	facility
noid	NOID	notification indicator OCTETSTRING[3]
dsp	DSP	display (n ->u) OCTETSTRING[2..34]
kpf	KPF	keypad facility (n ->u) OCTETSTRING [2..34]
cdpn	CDPN	called party number OCTETSTRING[2..23]
cdps	CDPS	called party subaddr. OCTETSTRING [2..23]
Detailed Comments : This PDU type includes all IEs from the HOLD, RETRIEVE, FACILITY and INFORMATION messages.		

Alias Definitions		
Alias Name	Expansion	Comments
ALERT	DL_DAT_RQ_ALERT	ALERTING PDU, send event
CALL_PROC	DL_DAT_RQ_CALL_PROC	CALL PROC PDU, send event
CONN_ACK	DL_DAT_RQ_CONN_ACK	CONN_ACK PDU, send event
FAC	DL_DAT_RQ_FAC	FACILITY PDU, send event
HOLD	DL_DAT_RQ_HOLD	HOLD PDU, send event
HOLD_ACK	DL_DAT_RQ_HOLD_ACK	HOLD_ACK PDU, send event
HOLD_REJ	DL_DAT_RQ_HOLD_REJ	HOLD_REJ PDU, send event
NOTIFY	DL_DAT_RQ_NOTIFY	NOTIFY PDU, send event
PROG	DL_DAT_RQ_PROG	PROGRESS PDU, send event
REL	DL_DAT_RQ_REL	RELEASE PDU, send event
REL_COM	DL_DAT_RQ_REL_COM	REL_COM PDU, send event
RESTART_ACK	DL_DAT_RQ_RESTART_ACK	RESTART_ACK PDU, send event
RET	DL_DAT_RQ_RET	RETRIEVE PDU, send event
RET_ACK	DL_DAT_RQ_RET_ACK	RETRIEVE_ACK PDU, send event
RET_REJ	DL_DAT_RQ_RET_REJ	RETRIEVE_REJ PDU, send event
SETUP	DL_DAT_RQ_SETUP	SETUP PDU, send event
SETUP_B	DL_UDAT_RQ_SETUP_B	SETUP PDU, send event (broadcast)
SETUP_ACK	DL_DAT_RQ_SETUP_ACK	SETUP_ACK PDU, send event
ST_ENQ	DL_DAT_RQ_ST_ENQ	STATUS_ENQ PDU, send event
ALERTr	DL_DAT_IN_ALERTr	ALERTING PDU, receive event
CALL_PROCr	DL_DAT_IN_CALL_PROCr	CALL PROC PDU, receive event
CONNr	DL_DAT_IN_CONNr	CONNECT PDU, receive event
DISCr	DL_DAT_IN_DISCr	DISCONNECT PDU, receive event
FACr	DL_DAT_IN_FACr	FACILITY PDU, receive event
HOLDr	DL_DAT_IN_HOLDr	HOLD PDU, receive event
HOLD_ACKr	DL_DAT_IN_HOLD_ACKr	HOLD_ACK PDU, receive event
INFOR	DL_DAT_IN_INFOR	INFO PDU, receive event
NOTIFYr	DL_DAT_IN_NOTIFYr	NOTIFY PDU, receive event
GFP_MSGr	DL_DAT_IN_GFP_MSGr	GFP_MSG PDU, receive event
REL_COMr	DL_DAT_IN_REL_COMr	RELEASE_COM PDU, receive event
RESTARTr	DL_DAT_IN_RESTARTr	RESTART PDU, receive event
RETr	DL_DAT_IN_RETr	RETRIEVE PDU, receive event
RET_ACKr	DL_DAT_IN_RET_ACKr	RETRIEVE_ACK PDU, receive event
SETUPr	DL_DAT_IN_SETUPr	SETUP PDU, receive event
STATUSr	DL_DAT_IN_STATUSr	STATUS PDU, receive event
ST_ENQr	DL_DAT_IN_ST_ENQr	STATUS_ENQ PDU, receive event
GENERICr	DL_DAT_IN_GENERICr	Generic PDU, receive event
Detailed Comments : &COMMON_U08		

III

Constraints Part

Structured Type Constraint Declaration		
Constraint Name : CAU1 Structured Type : CAU Derivation Path : Comments : Cause IE - Receive constraint - Accept any values		
Element Name	Element Value	Comments
cau_i	'00001000'B	Cause
cau_l	?	Length
cau_e3_loc	?	Location
cau_e4_cv	?	Cause value
cau_di	*	Diagnostics (optional)
Detailed Comments : &COMMON_U08		

Structured Type Constraint Declaration		
Constraint Name : CAU2(CVAL: INTEGER) Structured Type : CAU Derivation Path : Comments : Cause IE - Send constraint - Parameterised by cause value		
Element Name	Element Value	Comments
cau_i	'00001000'B	Cause
cau_l	'00000010'B	Length=2
cau_e3_loc	'10000010'B	Local public network
cau_e4_cv	CAU_E41(CVAL)	Cause value (parameter)
cau_di	-	No diagnostics
Detailed Comments : &COMMON_U08		

Structured Type Constraint Declaration		
Constraint Name : CAU4(CVAL: INTEGER) Structured Type : CAU Derivation Path : Comments :		
Element Name	Element Value	Comments
cau_i	'00001000'B	
cau_l	?	
cau_e3_loc	?	
cau_e4_cv	CAU_E41 (CVAL)	
cau_di	*	
Detailed Comments :		

Structured Type Constraint Declaration		
Constraint Name : CAU6 Structured Type : CAU Derivation Path : Comments : Cause IE with content error in cause value		
Element Name	Element Value	Comments
cau_i	'00001000'B	
cau_l	'00000010'B	
cau_e3_loc	'10000010'B	
cau_e4_cv	CAU_E42	
cau_di	-	
Detailed Comments :		

Structured Type Constraint Declaration		
Constraint Name : CAU_E41(CVAL: INTEGER) Structured Type : CAU_E4_CV Derivation Path : Comments : Cause IE octet 4 - parameterised by cause value		
Element Name	Element Value	Comments
cau_e4_cv1	'1'B	Extension bit
cau_e4_cv2	INT_TO_BIT(CVAL,7)	Cause value
Detailed Comments : &COMMON_U08		

Structured Type Constraint Declaration		
Constraint Name : CAU_E42 Structured Type : CAU_E4_CV Derivation Path : Comments : Cause value with content error - MSB: 0 (should be 1), cause value: 0 (Reserved)		
Element Name	Element Value	Comments
cau_e4_cv1	'0'B	
cau_e4_cv2	'0000000'B	
Detailed Comments :		

Structured Type Constraint Declaration		
Constraint Name : CDPN1 Structured Type : CDPN Derivation Path : Comments : Called Party Number IE - Send constraint		
Element Name	Element Value	Comments
cdpn_i	'01110000'B	Called party number
cdpn_l	LIPN	Length
cdpn_e3_npi	CDPN_OCTET3	Unknown - Private numbering plan
cdpn_e4_nd	IPN	Number digits
Detailed Comments : &COMMON_U08 LIPN , CDPN_OCTET3 and IPN are test suite parameters		

Structured Type Constraint Declaration		
Constraint Name : CDPN2 Structured Type : CDPN Derivation Path : Comments : Called Party Number IE - Receive constraint		
Element Name	Element Value	Comments
cdpn_i	'01110000'B	Called party number
cdpn_l	?	Length
cdpn_e3_npi	?	Type of number/ Numbering plan identification
cdpn_e4_nd	?	Number digits
Detailed Comments : &COMMON_U08		

Structured Type Constraint Declaration		
Constraint Name : CR17(CALL_REF: BIT7OR15) Structured Type : CR Derivation Path : Comments : Call reference transmitted by the destination side of the call.		
Element Name	Element Value	Comments
cr_l	INT_TO_BIT(cr_LENGTH,8)	
cr_f	'1'B	
cr_r	CALL_REF	
Detailed Comments : &COMMON_U08 The value of cr_l is either '00000001' B for basic access or '00000010'B for primary rate access.		

Structured Type Constraint Declaration		
Constraint Name : CR18(FLAG: INTEGER; CALL_REF: BIT7OR15)		
Structured Type : CR		
Derivation Path :		
Comments : Call reference with parametrized flag value.		
Element Name	Element Value	Comments
cr_l	INT_TO_BIT(cr_LENGTH,8)	
cr_f	INT_TO_BIT(FLAG,1)	
cr_r	CALL_REF	
Detailed Comments : &COMMON_U08 The value of cr_l is either '00000001' B for basic access or '00000010'B for primary rate access.		

Structured Type Constraint Declaration		
Constraint Name : CR19(CALL_REF: BIT7OR15)		
Structured Type : CR		
Derivation Path :		
Comments : Call reference transmitted by the originating side of the call.		
Element Name	Element Value	Comments
cr_l	INT_TO_BIT(cr_LENGTH,8)	
cr_f	'0'B	
cr_r	CALL_REF	
Detailed Comments : &COMMON_U08 The value of cr_l is either '00000001' B for basic access or '00000010'B for primary rate access.		

Structured Type Constraint Declaration		
Constraint Name : CR21		
Structured Type : CR		
Derivation Path :		
Comments : Call reference with any call reference value		
Element Name	Element Value	Comments
cr_l	INT_TO_BIT(cr_LENGTH,8)	
cr_f	'0'B	
cr_r	?	
Detailed Comments : &COMMON_U08 The value of cr_l is either '00000001' B for basic access or '00000010'B for primary rate access.		

Structured Type Constraint Declaration		
Constraint Name : CR32(CALL_REF: BIT7OR15)		
Structured Type : CR		
Derivation Path :		
Comments : This CR can be used for outgoing and incoming calls.		
Element Name	Element Value	Comments
cr_l	INT_TO_BIT(cr_LENGTH,8)	
cr_f	?	
cr_r	CALL_REF	
Detailed Comments : &COMMON_U08 The value of cr_l is either '00000001' B for basic access or '00000010' B for primary rate access.		

Structured Type Constraint Declaration		
Constraint Name : CST1		
Structured Type : CST		
Derivation Path :		
Comments : Call state IE - receive constraint - Accept any values		
Element Name	Element Value	Comments
cst_i	'00010100'B	Call state
cst_l	'00000001'B	Length=1
cst_csv1	?	Coding standard
cst_csv2	?	Call state
Detailed Comments : &COMMON_U08		

Structured Type Constraint Declaration		
Constraint Name : CST2(CSTV: INTEGER)		
Structured Type : CST		
Derivation Path :		
Comments : Call state ie - parameterised for value		
Element Name	Element Value	Comments
cst_i	'00010100'B	Call state
cst_l	'00000001'B	Length=1
cst_csv1	'00'B	Coding standard
cst_csv2	INT_TO_BIT(CSTV,6)	Call state
Detailed Comments : &COMMON_U08		

Structured Type Constraint Declaration		
Constraint Name : DSP2		
Structured Type : DSP		
Derivation Path :		
Comments : Invalid display IE (MSB of Display Information is 1)		
Element Name	Element Value	Comments
dsp_i	'00100111'B	
dsp_l	'00000001'B	
dsp_di	'B1'O	
Detailed Comments :		

Structured Type Constraint Declaration		
Constraint Name : NOID1		
Structured Type : NOID		
Derivation Path :		
Comments :		
Element Name	Element Value	Comments
noid_i	'00100111'B	
noid_l	'00000001'B	
noid_e3_nd	?	
Detailed Comments : &COMMON_U08		

Structured Type Constraint Declaration		
Constraint Name : NOID2		
Structured Type : NOID		
Derivation Path :		
Comments : Remote Hold		
Element Name	Element Value	Comments
noid_i	'00100111'B	
noid_l	'00000001'B	
noid_e3_nd	'11111001'B	
Detailed Comments :		

Structured Type Constraint Declaration		
Constraint Name : NOID3		
Structured Type : NOID		
Derivation Path :		
Comments : Remote retrieval		
Element Name	Element Value	Comments
noid_i	'00100111'B	
noid_l	'00000001'B	
noid_e3_nd	'11111010'B	
Detailed Comments :		

Structured Type Constraint Declaration		
Constraint Name : PI2 Structured Type : PI Derivation Path : Comments : CCITT 8 Progress indicator (Tones & announcements)		
Element Name	Element Value	Comments
pi_i	'00011110'B	Identifier
pi_l	'00000010'B	Length
pi_e3_loc	'10000010'B	Location
pi_e4_pd	'10001000'B	Progress description
Detailed Comments :		

Structured Type Constraint Declaration		
Constraint Name : RI1(CLASS_VAL: INTEGER) Structured Type : RI Derivation Path : Comments : Restart indicator IE - Parameterised clase		
Element Name	Element Value	Comments
ri_i	'01111001'B	Restart indicator
ri_l	'00000001'B	Length=1
ri_cl	'10000'B	
ri_cl1	INT_TO_BIT(CLASS_VAL, 3)	Classs
Detailed Comments : &COMMON_U08		

Structured Type Constraint Declaration		
Constraint Name : RI4 Structured Type : RI Derivation Path : Comments : Restart indictor IE - Indicated channels		
Element Name	Element Value	Comments
ri_i	'01111001'B	Restart indicator
ri_l	'00000001'B	Length=1
ri_cl	'10000'B	
ri_cl1	'000'B	Indicated channels
Detailed Comments : &COMMON_U08		

ASN.1 Type Constraint Declaration	
Constraint Name :	CHI1b(BCH:BIT7OR8)
ASN1 Type :	CHI
Derivation Path :	
Comments :	Channel identification for basic access.
Constraint Value	
<pre>basic { chi_i '00011000'B, -- Identifier chi_l '00000001'B, -- Length chi_e3_cs BCH -- Channel selection }</pre>	
Detailed Comments :	&COMMON_U08

ASN.1 Type Constraint Declaration	
Constraint Name :	CHI6b
ASN1 Type :	CHI
Derivation Path :	
Comments :	Channel identification for basic access, any channel selection accepted.
Constraint Value	
<pre>basic { chi_i '00011000'B, -- Identifier chi_l '00000001'B, -- Length chi_e3_cs '1000?0??'B -- Channel selection }</pre>	
Detailed Comments :	&COMMON_U08

ASN.1 Type Constraint Declaration	
Constraint Name :	CHI7b
ASN1 Type :	CHI
Derivation Path :	
Comments :	Channel identification for basic access, any channel exclusive selection accepted.
Constraint Value	
<pre>basic { chi_i '00011000'B, -- Identifier chi_l '00000001'B, -- Length chi_e3_cs '100010??'B -- Channel selection }</pre>	
Detailed Comments :	&COMMON_U08

ASN.1 Type Constraint Declaration	
Constraint Name :	fIEr(comp: Component)
ASN1 Type :	FIE
Derivation Path :	
Comments :	A received FIE which can contain several components, but which contains at least "comp"
Constraint Value	
<pre>{ informationElementIdentifier '00011100'B, length ?, extBit '1'B, spareBits '00'B, protocolProfile '10001'B, components SUPERSET ({comp}) } -- field will contain at least one comp</pre>	
Detailed Comments : &COMMON_U08	

ASN.1 Type Constraint Declaration	
Constraint Name :	fIEs(comp: Component)
ASN1 Type :	FIE
Derivation Path :	
Comments :	Send fie which will contain one component "comp". The length of the fie is calculated by the test suite operation CALC_FIE_LENGTH. The invokeID has to be passed to the constraint.
Constraint Value	
<pre>{ informationElementIdentifier '00011100'B, length CALC_FIE_LENGTH(comp), -- fIEs length is calculated extBit '1'B, spareBits '00'B, protocolProfile '10001'B, components {comp} } -- field will contain only one comp</pre>	
Detailed Comments : &COMMON_U08	

ASN.1 Type Constraint Declaration	
Constraint Name :	fIEx(comp: Component)
ASN1 Type :	FIE
Derivation Path :	
Comments :	A received FIE which can contain several components, but which does not contain "comp"
Constraint Value	
<pre>{ informationElementIdentifier '00011100'B, length '????????'B, extBit '1'B, spareBits '00'B, protocolProfile '10001'B, components COMPLEMENT(SUPERSET ({comp})) } -- field will contain at least one comp</pre>	
Detailed Comments :	

ASN.1 Type Constraint Declaration	
Constraint Name :	CHI5p(BCH:BIT7OR8)
ASN1 Type	: CHI
Derivation Path	:
Comments	: Channel identification i.e. for primary rate access, the indicated B-channel in bch_num is preferred.
Constraint Value	
<pre> primary { chi_i '00011000'B, -- Identifier chi_l '00000011'B, -- Length chi_e3_p1 '1010'B, -- First nibble of Channel selection chi_e3_pe '1'B, -- Preferred/Exclusive Bit chi_e3_p3 '001'B, -- Last three bit of Channel selection chi_e4 '10000011'B, -- Channel type chi_e5_ch1 '1'B, -- Channel number chi_e5_ch2 BCH } </pre>	
Detailed Comments :	&COMMON_N02

ASN.1 Type Constraint Declaration	
Constraint Name :	CHI8p
ASN1 Type	: CHI
Derivation Path	:
Comments	: Channel identification for primary rate access, any channel number (preferred or exclusive) may be received.
Constraint Value	
<pre> primary { chi_i '00011000'B, -- Identifier chi_l '00000011'B, -- Length chi_e3_p1 '1010'B, -- First nibble of Channel selection chi_e3_pe '?', -- Preferred/Exclusive Bit chi_e3_p3 '001'B, -- Last three bit of Channel selection chi_e4 '10000011'B, -- Channel type chi_e5_ch1 '1'B, -- Channel number chi_e5_ch2 '?' } </pre>	
Detailed Comments :	&COMMON_N02

ASN.1 Type Constraint Declaration	
Constraint Name :	CHI9p
ASN1 Type	: CHI
Derivation Path	:
Comments	: Channel identification for primary rate access, any channel number may be received.
Constraint Value	
<pre> primary { chi_i '00011000'B, -- Identifier chi_l '00000011'B, -- Length chi_e3_p1 '1010'B, -- First nibble of Channel selection chi_e3_pe '1'B, -- Preferred/Exclusive Bit chi_e3_p3 '001'B, -- Last three bit of Channel selection chi_e4 '10000011'B, -- Channel type chi_e5_ch1 '1'B, -- Channel number chi_e5_ch2 '?' } </pre>	
Detailed Comments :	&COMMON_N02

ASN.1 Type Constraint Declaration	
Constraint Name :	rjcl(invId: InvokeIDType)
ASN1 Type :	Component
Derivation Path :	
Comments :	ASN1_Encoding: BER Reject component
Constraint Value	
<pre> general_Components general_RejectComp { invokedID invokeID invId, -- invokeID from parameter problem ? -- any problem } </pre>	
Detailed Comments :	

ASN.1 Type Constraint Declaration	
Constraint Name :	hcl
ASN1 Type :	Component
Derivation Path :	
Comments :	ECR Management or Cancel Invoke
Constraint Value	
(erc_il, erm_il)	
Detailed Comments :	

ASN.1 Type Constraint Declaration	
Constraint Name :	ercc_il
ASN1 Type :	Component
Derivation Path :	
Comments :	ASN1_Encoding: BER Explicit Reservation Creation Control Invoke (No check of argument)
Constraint Value	
<pre> hold_Components explicitReservationCreationControl_Invoke { invokeID ?, -- Any invokeID operation_value explicitReservationCreationControl, -- Creation Control argument ? -- Any argument } </pre>	
Detailed Comments :	

ASN.1 Type Constraint Declaration	
Constraint Name : ercc_i2	
ASN1 Type : Component	
Derivation Path :	
Comments : ASN1_Encoding: BER Explicit Resercation Creation Control Invoke (Without reservation indicator)	
Constraint Value	
<pre>hold_Components explicitReservationCreationControl_Invoke { invokeID ?, -- Any invokeID operation_value explicitReservationCreationControl, -- Creation Control argument reservationRequiredWithoutReservationIndicator -- No reservation indicator requested }</pre>	
Detailed Comments :	

ASN.1 Type Constraint Declaration	
Constraint Name : ercc_i3	
ASN1 Type : Component	
Derivation Path :	
Comments : ASN1_Encoding: BER Explicit Resercation Creation Control Invoke (With reservation indicator)	
Constraint Value	
<pre>hold_Components explicitReservationCreationControl_Invoke { invokeID ?, -- Any invokeID operation_value explicitReservationCreationControl, -- Creation Control argument reservationRequiredWithReservationIndicator -- Reservation indicator requested }</pre>	
Detailed Comments :	

ASN.1 Type Constraint Declaration	
Constraint Name :	ercc_r2(invID: InvokeIDType)
ASN1 Type :	Component
Derivation Path :	
Comments :	ASN1_Encoding: BER Explicit Reservation Creation Control Return Result (No reservation indicator)
Constraint Value	
<pre> hold_Components explicitReservationCreationControl_ReturnResult { invokeID invID, Invoke ID from parameter result_seq { operation_value explicitReservationCreationControl, result OMIT } } No reservation indicator </pre>	
Detailed Comments :	

ASN.1 Type Constraint Declaration	
Constraint Name :	ercc_r3(invID: InvokeIDType; resInd: ReservationIndicator)
ASN1 Type :	Component
Derivation Path :	
Comments :	ASN1_Encoding: BER Explicit Reservation Creation Control Return Result (parameterised reservation indicator)
Constraint Value	
<pre> hold_Components explicitReservationCreationControl_ReturnResult { invokeID invID, -- Invoke ID from parameter result_seq { operation_value explicitReservationCreationControl, result resInd } -- Reservation indicator from parameter } </pre>	
Detailed Comments :	

ASN.1 Type Constraint Declaration	
Constraint Name :	erm_i1
ASN1 Type :	Component
Derivation Path :	
Comments :	ASN1_Encoding: BER Explicit Resercation Management Invoke (optional reservation indicator)
Constraint Value	
<pre> hold_Components explicitReservationManagement_Invoke { invokeID ?, -- Any invokeID operation_value explicitReservationManagement, Management argument * -- ReservationIndicator optional } </pre>	
Detailed Comments :	

ASN.1 Type Constraint Declaration	
Constraint Name :	erm_i2
ASN1 Type :	Component
Derivation Path :	
Comments :	ASN1_Encoding: BER Explicit Resercation Management Invoke (Without reservation indicator)
Constraint Value	
<pre> hold_Components explicitReservationManagement_Invoke { invokeID ?, -- Any invokeID operation_value explicitReservationManagement, Management argument OMIT -- No reservation indicator } </pre>	
Detailed Comments :	

ASN.1 Type Constraint Declaration	
Constraint Name :	erm_i3(resInd:ReservationIndicator)
ASN1 Type :	Component
Derivation Path :	
Comments :	ASN1_Encoding: BER Explicit Resercation Management Invoke (With reservation indicator)
Constraint Value	
<pre> hold_Components explicitReservationManagement_Invoke { invokeID ?, -- Any invokeID operation_value explicitReservationManagement, Management argument resInd -- ReservationIndicator from parameter } </pre>	
Detailed Comments :	

ASN.1 Type Constraint Declaration	
Constraint Name :	erm_r1(invID: InvokeIDType)
ASN1 Type :	Component
Derivation Path :	
Comments :	ASN1_Encoding: BER Explicit Reservation Managememnt Return Result (General)
Constraint Value	
<pre> hold_Components explicitReservationManagement_ReturnResult { invokeID invID, -- Invoke ID from parameter result_seq { operation_value explicitReservationManagement -- Management } } </pre>	
Detailed Comments :	

ASN.1 Type Constraint Declaration	
Constraint Name :	erc_i1
ASN1 Type :	Component
Derivation Path :	
Comments :	ASN1_Encoding: BER Explicit Resercation Cancel Invoke (Optional reservation indicator)
Constraint Value	
<pre> hold_Components explicitReservationCancel_Invoke { invokeID ?, -- Any invokeID operation_value explicitReservationCancel, Cancel argument * -- ReservationIndicator optional } </pre>	
Detailed Comments :	

ASN.1 Type Constraint Declaration	
Constraint Name :	erc_i2
ASN1 Type :	Component
Derivation Path :	
Comments :	ASN1_Encoding: BER Explicit Resercation Cancel Invoke (Without reservation indicator)
Constraint Value	
<pre> hold_Components explicitReservationCancel_Invoke { invokeID ?, -- Any invokeID operation_value explicitReservationCancel , Cancel argument OMIT -- No reservation indicator } </pre>	
Detailed Comments :	

ASN.1 Type Constraint Declaration	
Constraint Name : erc_i3(resInd:ReservationIndicator)	
ASN1 Type : Component	
Derivation Path :	
Comments : ASN1_Encoding: BER Explicit Resercation Cancel Invoke (With reservation indicator)	
Constraint Value	
<pre>hold_Components explicitReservationCancel_Invoke { invokeID ?, -- Any invokeID operation_value explicitReservationCancel, Cancel argument resInd -- ReservationIndicator from parameter }</pre>	
Detailed Comments :	

ASN.1 Type Constraint Declaration	
Constraint Name : erc_r1(invID: InvokeIDType)	
ASN1 Type : Component	
Derivation Path :	
Comments : ASN1_Encoding: BER Explicit Reservation Cancel - Return Result (General)	
Constraint Value	
<pre>hold_Components explicitReservationCancel_ReturnResult { invokeID invID, parameter result_seq { operation_value explicitReservationCancel } }</pre>	
Detailed Comments :	

ASP Constraint Declaration		
Constraint Name : A_AL1 (CALL_REF: BIT7OR15) ASP Type : DL_DAT_IN_ALERTr Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	AL1 (CALL_REF)	
Detailed Comments : &COMMON_U08		

ASP Constraint Declaration		
Constraint Name : A_AL2 (CALL_REF: BIT7OR15) ASP Type : DL_DAT_RQ_ALERT Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	AL2 (CALL_REF)	
Detailed Comments : &COMMON_U08		

ASP Constraint Declaration		
Constraint Name : A_CP1 (CALL_REF: BIT7OR15) ASP Type : DL_DAT_IN_CALL_PROCr Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	CP1 (CALL_REF)	
Detailed Comments : &COMMON_U08		

ASP Constraint Declaration		
Constraint Name : A_CP2 (CALL_REF: BIT7OR15; BCH: BIT7OR8) ASP Type : DL_DAT_RQ_CALL_PROC Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	CP2 (CALL_REF, BCH)	
Detailed Comments : &COMMON_U08		

ASP Constraint Declaration		
Constraint Name : A_CN1 (CALL_REF: BIT7OR15) ASP Type : DL_DAT_IN_CONNR Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	CN1 (CALL_REF)	
Detailed Comments : &COMMON_U08		

ASP Constraint Declaration		
Constraint Name : A_CA1 (CALL_REF: BIT7OR15) ASP Type : DL_DAT_RQ_CONN_ACK Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	CA1 (CALL_REF)	
Detailed Comments : &COMMON_U08		

ASP Constraint Declaration		
Constraint Name : A_DI5 (CALL_REF: BIT7OR15) ASP Type : DL_DAT_IN_DISCr Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	DI5 (CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_FA2 (CALL_REF: BIT7OR15) ASP Type : DL_DAT_RQ_FAC Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	FA2 (CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_FA3 (CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_RQ_FAC		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	FA3 (CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_FA4 (CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_IN_FACr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	FA4 (CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_FA5 (CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_IN_FACr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	FA5 (CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_FA6 (FLAG: INTEGER; CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_IN_FACr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	FA6 (FLAG, CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_FA7(FLAG: INTEGER; CALL_REF: BIT7OR15) ASP Type : DL_DAT_IN_FACr Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	FA7(FLAG,CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_FA8(FLAG: INTEGER; CALL_REF: BIT7OR15; invID: InvokeIDType) ASP Type : DL_DAT_RQ_FAC Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	FA8(FLAG,CALL_REF,invID)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_FA9(FLAG: INTEGER; CALL_REF: BIT7OR15; invID: InvokeIDType; resInd: ReservationIndicator) ASP Type : DL_DAT_RQ_FAC Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	FA9(FLAG,CALL_REF,invID,resInd)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_FA10(FLAG: INTEGER; CALL_REF: BIT7OR15) ASP Type : DL_DAT_IN_FACr Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	FA10(FLAG,CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_FA11(FLAG: INTEGER; CALL_REF: BIT7OR15; resInd: ReservationIndicator) ASP Type : DL_DAT_IN_FACr Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	FA11(FLAG,CALL_REF,resInd)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_FA12(FLAG: INTEGER; CALL_REF: BIT7OR15; invID: InvokeIDType) ASP Type : DL_DAT_RQ_FAC Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	FA12(FLAG,CALL_REF,invID)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_HA1(FLAG: INTEGER; CALL_REF: BIT7OR15) ASP Type : DL_DAT_IN_HOLD_ACKr Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	HA1(FLAG,CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_HA2(FLAG: INTEGER; CALL_REF: BIT7OR15) ASP Type : DL_DAT_RQ_HOLD_ACK Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	HA2(FLAG,CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_HA3 (FLAG: INTEGER; CALL_REF: BIT7OR15; invId: InvokeIDType)		
ASP Type : DL_DAT_RQ_HOLD_ACK		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	HA3 (FLAG, CALL_REF, invId)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_HA4 (FLAG: INTEGER; CALL_REF: BIT7OR15; invId: InvokeIDType)		
ASP Type : DL_DAT_RQ_HOLD_ACK		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	HA4 (FLAG, CALL_REF, invId)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_HA5 (FLAG: INTEGER; CALL_REF: BIT7OR15; invId: InvokeIDType; resInd: ReservationIndicator)		
ASP Type : DL_DAT_RQ_HOLD_ACK		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	HA5 (FLAG, CALL_REF, invId, resInd)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_HA99 (FLAG: INTEGER; CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_RQ_HOLD_ACK		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	HA99 (FLAG, CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_HL1 (FLAG : INTEGER ; CALL_REF : BIT7OR15)		
ASP Type : DL_DAT_IN_HOLDr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	HL1 (FLAG , CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_HL2 (FLAG : INTEGER ; CALL_REF : BIT7OR15)		
ASP Type : DL_DAT_RQ_HOLD		
Derivation Path :		
Comments : Send PDU		
Parameter Name	Parameter Value	Comments
mun	HL2 (FLAG , CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_HL3 (FLAG : INTEGER ; CALL_REF : BIT7OR15)		
ASP Type : DL_DAT_IN_HOLDr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	HL3 (FLAG , CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_HL4 (FLAG : INTEGER ; CALL_REF : BIT7OR15)		
ASP Type : DL_DAT_IN_HOLDr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	HL4 (FLAG , CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_HL5 (FLAG: INTEGER; CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_IN_HOLDr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	HL5 (FLAG , CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_HL6 (FLAG: INTEGER; CALL_REF: BIT7OR15; resInd: ReservationIndicator)		
ASP Type : DL_DAT_IN_HOLDr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	HL6 (FLAG , CALL_REF , resInd)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_HR2 (FLAG: INTEGER; CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_RQ_HOLD_REJ		
Derivation Path :		
Comments : Send PDU		
Parameter Name	Parameter Value	Comments
mun	HR2 (FLAG , CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_HR98 (FLAG: INTEGER; CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_RQ_HOLD_REJ		
Derivation Path :		
Comments : Send PDU		
Parameter Name	Parameter Value	Comments
mun	HR98 (FLAG , CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_HR99 (FLAG: INTEGER; CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_RQ_HOLD_REJ		
Derivation Path :		
Comments : Send PDU		
Parameter Name	Parameter Value	Comments
mun	HR99 (FLAG, CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_IN1 (FLAG: INTEGER; CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_IN_INFOr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	IN1 (FLAG, CALL_REF)	
Detailed Comments : &COMMON_U08		

ASP Constraint Declaration		
Constraint Name : A_IN4 (CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_IN_INFOr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	IN4 (CALL_REF)	
Detailed Comments : &COMMON_U08		

ASP Constraint Declaration		
Constraint Name : A_IN5 (FLAG: INTEGER; CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_IN_INFOr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	IN5 (FLAG, CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_IN6 (FLAG: INTEGER; CALL_REF: BIT7OR15) ASP Type : DL_DAT_IN_INFOr Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	IN6 (FLAG ,CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_IN7 (FLAG: INTEGER; CALL_REF: BIT7OR15) ASP Type : DL_DAT_IN_INFOr Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	IN7 (FLAG ,CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_IN8 (FLAG: INTEGER; CALL_REF: BIT7OR15; resInd: ReservationIndicator) ASP Type : DL_DAT_IN_INFOr Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	IN8 (FLAG ,CALL_REF ,resInd)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_MSG (CALL_REF: BIT7OR15) ASP Type : DL_DAT_IN_GFP_MSGr Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	MSG (CALL_REF)	
Detailed Comments : &COMMON_U08		

ASP Constraint Declaration		
Constraint Name : A_NO3 (CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_IN_NOTIFYr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	NO3 (CALL_REF)	
Detailed Comments : &COMMON_U08		

ASP Constraint Declaration		
Constraint Name : A_NO4 (CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_RQ_NOTIFY		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	NO4 (CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_NO5 (CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_RQ_NOTIFY		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	NO5 (CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_NO6 (CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_IN_NOTIFYr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	NO6 (CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_NO7 (CALL_REF: BIT7OR15) ASP Type : DL_DAT_IN_NOTIFYr Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	NO7 (CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_PG2 (CALL_REF: BIT7OR15) ASP Type : DL_DAT_RQ_PROG Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	PG2 (CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_PG3 (CALL_REF: BIT7OR15) ASP Type : DL_DAT_RQ_PROG Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	PG3 (CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_RL3 (FLAG: INTEGER; CALL_REF: BIT7OR15; CVAL: INTEGER) ASP Type : DL_DAT_RQ_REL Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	RL3 (FLAG, CALL_REF, CVAL)	
Detailed Comments : &COMMON_U08		

ASP Constraint Declaration		
Constraint Name : A_RC1 (FLAG: INTEGER; CALL_REF: BIT7OR15) ASP Type : DL_DAT_IN_REL_COMr Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	RC1 (FLAG , CALL_REF)	
Detailed Comments : &COMMON_U08		

ASP Constraint Declaration		
Constraint Name : A_RC2 (FLAG: INTEGER; CALL_REF: BIT7OR15; CVAL: INTEGER) ASP Type : DL_DAT_RQ_REL_COM Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	RC2 (FLAG , CALL_REF , CVAL)	
Detailed Comments : &COMMON_U08		

ASP Constraint Declaration		
Constraint Name : A_RC3 (FLAG: INTEGER; CALL_REF: BIT7OR15; CVAL: INTEGER) ASP Type : DL_DAT_IN_REL_COMr Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	RC3 (FLAG , CALL_REF , CVAL)	
Detailed Comments : &COMMON_U08		

ASP Constraint Declaration		
Constraint Name : A_RST1 (FLAG: INTEGER; CALL_REF: BIT7OR15; CLASS_VAL: INTEGER) ASP Type : DL_DAT_IN_RESTARTr Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	RST1 (FLAG , CALL_REF , CLASS_VAL)	
Detailed Comments : &COMMON_U08		

ASP Constraint Declaration		
Constraint Name : A_RST3(FLAG: INTEGER; CALL_REF: BIT7OR15; CLASS_VAL: INTEGER) ASP Type : DL_DAT_IN_RESTARTr Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	RST3(FLAG,CALL_REF,CLASS_VAL)	
Detailed Comments : &COMMON_U08		

ASP Constraint Declaration		
Constraint Name : A_RSA2(FLAG: INTEGER; CALL_REF: BIT7OR15; BCH: BIT7OR8) ASP Type : DL_DAT_RQ_RESTART_ACK Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	RSA2(FLAG,CALL_REF,BCH)	
Detailed Comments : &COMMON_U08		

ASP Constraint Declaration		
Constraint Name : A_RSA5(FLAG: INTEGER; CALL_REF: BIT7OR15; CLASS_VAL: INTEGER) ASP Type : DL_DAT_RQ_RESTART_ACK Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	RSA5(FLAG,CALL_REF,CLASS_VAL)	
Detailed Comments : &COMMON_U08		

ASP Constraint Declaration		
Constraint Name : A_RT1(FLAG: INTEGER; CALL_REF: BIT7OR15) ASP Type : DL_DAT_IN_RETr Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	RT1(FLAG,CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_RT2 (FLAG: INTEGER; CALL_REF: BIT7OR15; BCH:BIT7OR8) ASP Type : DL_DAT_RQ_RET Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	RT2 (FLAG , CALL_REF , BCH)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_RT4 (FLAG: INTEGER; CALL_REF: BIT7OR15) ASP Type : DL_DAT_IN_RETr Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	RT4 (FLAG , CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_RT5 (FLAG: INTEGER; CALL_REF: BIT7OR15) ASP Type : DL_DAT_IN_RETr Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	RT5 (FLAG , CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_RT6 (FLAG: INTEGER; CALL_REF: BIT7OR15; resInd: ReservationIndicator) ASP Type : DL_DAT_IN_RETr Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	RT6 (FLAG , CALL_REF , resInd)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_RT7 (FLAG: INTEGER; CALL_REF: BIT7OR15) ASP Type : DL_DAT_IN_RETr Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	RT7 (FLAG ,CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_RT8 (FLAG: INTEGER; CALL_REF: BIT7OR15) ASP Type : DL_DAT_IN_RETr Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	RT8 (FLAG ,CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_RT9 (FLAG: INTEGER; CALL_REF: BIT7OR15) ASP Type : DL_DAT_IN_RETr Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	RT9 (FLAG ,CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_RT11 (FLAG: INTEGER; CALL_REF: BIT7OR15) ASP Type : DL_DAT_IN_RETr Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	RT11 (FLAG ,CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_RT12(FLAG: INTEGER; CALL_REF: BIT7OR15; resInd: ReservationIndicator)		
ASP Type : DL_DAT_IN_RETr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	RT12(FLAG,CALL_REF,resInd)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_RT13(FLAG: INTEGER; CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_IN_RETr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	RT9(FLAG,CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_RT1(FLAG: INTEGER; CALL_REF: BIT7OR15)		
ASP Type : DL_DAT_IN_RET_ACKr		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	RT1(FLAG,CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_RT2(FLAG: INTEGER; CALL_REF: BIT7OR15; BCH:BIT7OR8)		
ASP Type : DL_DAT_RQ_RET_ACK		
Derivation Path :		
Comments :		
Parameter Name	Parameter Value	Comments
mun	RT2(FLAG,CALL_REF,BCH)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_RT3(FLAG: INTEGER; CALL_REF: BIT7OR15; BCH: BIT7OR8; invID: InvokeIDType) ASP Type : DL_DAT_RQ_RET_ACK Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	RTA3(FLAG, CALL_REF, BCH, invID)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_RT4(FLAG: INTEGER; CALL_REF: BIT7OR15; BCH: BIT7OR8; invID: InvokeIDType) ASP Type : DL_DAT_RQ_RET_ACK Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	RTA4(FLAG, CALL_REF, BCH, invID)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_RT5(FLAG: INTEGER; CALL_REF: BIT7OR15; BCH: BIT7OR8; invID: InvokeIDType; resInd: ReservationIndicator) ASP Type : DL_DAT_RQ_RET_ACK Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	RTA5(FLAG, CALL_REF, BCH, invID, resInd)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_RT6(FLAG: INTEGER; CALL_REF: BIT7OR15; BCH: BIT7OR8; invID: InvokeIDType) ASP Type : DL_DAT_RQ_RET_ACK Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	RTA6(FLAG, CALL_REF, BCH, invID)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_RTJ99 (FLAG: INTEGER; CALL_REF: BIT7OR15; BCH: BIT7OR8) ASP Type : DL_DAT_RQ_RET_ACK Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	RTJ99 (FLAG , CALL_REF , BCH)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_RTJ2 (FLAG: INTEGER; CALL_REF: BIT7OR15) ASP Type : DL_DAT_RQ_RET_REJ Derivation Path : Comments : Send PDU		
Parameter Name	Parameter Value	Comments
mun	RTJ2 (FLAG , CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_RTJ98 (FLAG: INTEGER; CALL_REF: BIT7OR15) ASP Type : DL_DAT_RQ_RET_REJ Derivation Path : Comments : Send PDU		
Parameter Name	Parameter Value	Comments
mun	RTJ98 (FLAG , CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_RTJ99 (FLAG: INTEGER; CALL_REF: BIT7OR15) ASP Type : DL_DAT_RQ_RET_REJ Derivation Path : Comments : Send PDU		
Parameter Name	Parameter Value	Comments
mun	RTJ99 (FLAG , CALL_REF)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_SU1 ASP Type : DL_DAT_IN_SETUPr Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	SU1	
Detailed Comments : &COMMON_U08		

ASP Constraint Declaration		
Constraint Name : A_SU2(CALL_REF: BIT7OR15; BCH: BIT7OR8) ASP Type : DL_DAT_RQ_SETUP Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	SU2(CALL_REF, BCH)	
Detailed Comments : &COMMON_U08		

ASP Constraint Declaration		
Constraint Name : A_SU2B(CALL_REF: BIT7OR15; BCH: BIT7OR8) ASP Type : DL_UDAT_RQ_SETUP_B Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	SU2(CALL_REF, BCH)	
Detailed Comments :		

ASP Constraint Declaration		
Constraint Name : A_SU9 ASP Type : DL_DAT_IN_SETUPr Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	SU9	
Detailed Comments : &COMMON_U08		

ASP Constraint Declaration		
Constraint Name : A_SU11 ASP Type : DL_DAT_IN_SETUPr Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	SU11	
Detailed Comments : &COMMON_U08		

ASP Constraint Declaration		
Constraint Name : A_SU12 ASP Type : DL_DAT_IN_SETUPr Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	SU12	
Detailed Comments : &COMMON_U08		

ASP Constraint Declaration		
Constraint Name : A_SUA2(CALL_REF: BIT7OR15; BCH: BIT7OR8) ASP Type : DL_DAT_RQ_SETUP_ACK Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	SUA2 (CALL_REF , BCH)	
Detailed Comments : &COMMON_U08		

ASP Constraint Declaration		
Constraint Name : A_ST3(FLAG: INTEGER; CALL_REF: BIT7OR15; CVAL, CSTV: INTEGER) ASP Type : DL_DAT_IN_STATUSr Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	ST3 (FLAG , CALL_REF , CVAL , CSTV)	
Detailed Comments : &COMMON_U08		

ASP Constraint Declaration		
Constraint Name : A_ST6 (FLAG: INTEGER; CALL_REF: BIT7OR15; CVAL: INTEGER) ASP Type : DL_DAT_IN_STATUSr Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	ST6 (FLAG ,CALL_REF , CVAL)	
Detailed Comments : &COMMON_U08		

ASP Constraint Declaration		
Constraint Name : A_SQ1 (FLAG: INTEGER; CALL_REF: BIT7OR15) ASP Type : DL_DAT_RQ_ST_ENQ Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	SQ1 (FLAG ,CALL_REF)	
Detailed Comments : &COMMON_U08		

ASP Constraint Declaration		
Constraint Name : A_SQ3 (CALL_REF: BIT7OR15) ASP Type : DL_DAT_IN_ST_ENQr Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	SQ3 (CALL_REF)	
Detailed Comments : &COMMON_U08		

ASP Constraint Declaration		
Constraint Name : A_GE1 (FLAG: INTEGER; CALL_REF: BIT7OR15; invID: InvokeIDType) ASP Type : DL_DAT_IN_GENERICr Derivation Path : Comments :		
Parameter Name	Parameter Value	Comments
mun	GE1 (FLAG ,CALL_REF , invID)	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : AL1(CALL_REF: BIT7OR15)		
PDU Type : ALERT_PDU		
Derivation Path :		
Comments : Receive PDU		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR17(CALL_REF)	
mt	'00000001'B	
chi	?	
fie	*	
pi	*	
dsp	-	
uui	*	
Detailed Comments : &COMMON_U08 PDU with "don't care" values; CHI mandatory parameter, if in 1st PDU in response to SETUP unless user accepts the specific B-channel; PI is used in connection with interworking or in band information patterns; optional parameter; DSP optional LT parameter; no IUT parameter; UUI optional LT and IUT parameter;		

PDU Constraint Declaration		
Constraint Name : AL2(CALL_REF: BIT7OR15)		
PDU Type : ALERT_PDU		
Derivation Path :		
Comments : Send PDU		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR17(CALL_REF)	
mt	'00000001'B	
chi	-	
fie	-	
pi	-	
dsp	-	
uui	-	
Detailed Comments : &COMMON_U08 PDU without optional parameters; CHI mandatory parameter, if in 1st PDU in response to SETUP unless user accepts the specific B-channel; PI is used in connection with interworking or in band information patterns; optional parameter; DSP optional LT parameter; no IUT parameter; UUI optional LT and IUT parameter;		

PDU Constraint Declaration		
Constraint Name : CP1(CALL_REF: BIT7OR15)		
PDU Type : CALL_PROC_PDU		
Derivation Path :		
Comments : Receive PDU		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR17(CALL_REF)	
mt	'00000010'B	
chi	*	
fie	*	
pi	*	
dsp	-	
Detailed Comments : &COMMON_U08 PDU with "don't care" values; CHI mandatory parameter, if in 1st PDU in response to SETUP unless user accepts the specific B-channel; PI is used in connection with interworking or in band information patterns; optional parameter; DSP optional LT parameter; no IUT parameter;		

PDU Constraint Declaration		
Constraint Name : CP2(CALL_REF: BIT7OR15; BCH: BIT7OR8)		
PDU Type : CALL_PROC_PDU		
Derivation Path :		
Comments : Send PDU		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR17(CALL_REF)	
mt	'00000010'B	
chi	ASSIGN_CHI(CHI1b(BCH), CHI5p(BCH),BASIC)	
fie	-	
pi	-	
dsp	-	
Detailed Comments : &COMMON_U08 PDU without optional parameters; CHI mandatory parameter, if in 1st PDU in response to SETUP unless user accepts the specific B-channel; PI is used in connection with interworking or in band information patterns; optional parameter; DSP optional LT parameter; no IUT parameter;		

PDU Constraint Declaration		
Constraint Name : CN1(CALL_REF: BIT7OR15)		
PDU Type : CONN_PDU		
Derivation Path :		
Comments : Receive PDU		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR17(CALL_REF)	
mt	'00000111'B	
chi	*	
fie	*	
pi	*	
dsp	-	
dati	-	
llc	*	
uui	*	
Detailed Comments : &COMMON_U08 PDU with "don't care" values; CHI mandatory parameter, if in 1st PDU in response to SETUP unless user accepts the specific B-channel; PI is used in connection with interworking or in band information patterns; optional parameter; DSP optional LT parameter; no IUT parameter; LLC optional LT and IUT parameter;		

PDU Constraint Declaration		
Constraint Name : CA1(CALL_REF: BIT7OR15)		
PDU Type : CONN_ACK_PDU		
Derivation Path :		
Comments : Send PDU		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR19(CALL_REF)	
mt	'00001111'B	
chi	-	
fie	-	
dsp	-	
Detailed Comments : &COMMON_U08 PDU without optional parameters; CHI available for supplementary services (n--->u); DSP optional LT parameter; no IUT parameter;		

PDU Constraint Declaration		
Constraint Name : DI5(CALL_REF: BIT7OR15)		
PDU Type : DISC_PDU		
Derivation Path :		
Comments : Receive PDU - with remote hold Notification indicator		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR32(CALL_REF)	
mt	'01000101'B	
cau	CAU1	
fie	*	
pi	-	
noid	NOID2	
dsp	-	
uui	*	
Detailed Comments : PI is used in connection with interworking or in band information patterns; optional parameter; DSP optional LT parameter; no IUT parameter; UUI optional LT and IUT parameter;		

PDU Constraint Declaration		
Constraint Name : FA2(CALL_REF:BIT7OR8)		
PDU Type : FAC_PDU		
Derivation Path :		
Comments : Send PDU - Remote Hold notification indicator		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR19(CALL_REF)	
mt	'01100010'B	
fie	FACV	
noid	NOID2	
dsp	-	
cdpn	-	
cdps	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : FA3(CALL_REF:BIT7OR8)		
PDU Type : FAC_PDU		
Derivation Path :		
Comments : Send PDU - Remote Retrieve notification indicator		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR19(CALL_REF)	
mt	'01100010'B	
fie	FACV	
noid	NOID3	
dsp	-	
cdpn	-	
cdps	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : FA4(CALL_REF:BIT7OR8)		
PDU Type : FAC_PDU		
Derivation Path :		
Comments : Receive PDU - Remote Hold notification indicator		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR32(CALL_REF)	
mt	'01100010'B	
fie	?	
noid	NOID2	
dsp	-	
cdpn	-	
cdps	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : FA5(CALL_REF:BIT7OR8)		
PDU Type : FAC_PDU		
Derivation Path :		
Comments : Receive PDU - Remote Retrieve notification indicator		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR32(CALL_REF)	
mt	'01100010'B	
fie	?	
noid	NOID3	
dsp	-	
cdpn	-	
cdps	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : FA6(FLAG: INTEGER; CALL_REF:BIT7OR8)		
PDU Type : FAC_PDU		
Derivation Path :		
Comments : Receive PDU - Explicit Reservation Creation Control Invoke - No reservation indicator		
Field Name	Field Value	Comments
pd	'00001000'B	Explicit Reservation Creation Control Invoke - No resInd
cr	CR18(FLAG,CALL_REF)	
mt	'01100010'B	
fie	SUPERSET({fIEr(ercc_i2)})	
noid	*	
dsp	-	
cdpn	-	
cdps	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : FA7(FLAG: INTEGER; CALL_REF:BIT7OR8)		
PDU Type : FAC_PDU		
Derivation Path :		
Comments : Receive PDU - Explicit Reservation Creation Control Invoke - With reservation indicator		
Field Name	Field Value	Comments
pd	'00001000'B	Explicit Reservation Creation Control Invoke - With resInd
cr	CR18(FLAG,CALL_REF)	
mt	'01100010'B	
fie	SUPERSET({fIEr(ercc_i3)})	
noid	*	
dsp	-	
cdpn	-	
cdps	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : FA8(FLAG: INTEGER; CALL_REF:BIT7OR8;invID: InvokeIDType) PDU Type : FAC_PDU Derivation Path : Comments : Send PDU - Explicit Reservation Creation Control - Return Result (No reservation indicator)		
Field Name	Field Value	Comments
pd	'00001000'B	Explicit resrvation Creation Control return result (No Reservation Indicator)
cr	CR18(FLAG,CALL_REF)	
mt	'01100010'B	
fie	{fIEs(ercc_r2(invID))}	
noid	-	
dsp	-	
cdpn	-	
cdps	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : FA9(FLAG: INTEGER; CALL_REF:BIT7OR8;invID: InvokeIDType; resInd:ReservationIndicator) PDU Type : FAC_PDU Derivation Path : Comments : Send PDU - Explicit Reservation Creation Control - Return Result (with reservation indicator)		
Field Name	Field Value	Comments
pd	'00001000'B	Explicit resrvation Creation Control return result (with Reservation Indicator)
cr	CR18(FLAG,CALL_REF)	
mt	'01100010'B	
fie	{fIEs(ercc_r3(invID, resInd))}	
noid	-	
dsp	-	
cdpn	-	
cdps	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : FA10(FLAG: INTEGER; CALL_REF:BIT7OR8)		
PDU Type : FAC_PDU		
Derivation Path :		
Comments : Receive PDU - Explicit Reservation Cancel Invoke - No reservation indicator		
Field Name	Field Value	Comments
pd	'00001000'B	Explicit Reservation Cancel Invoke - No resInd
cr	CR18(FLAG,CALL_REF)	
mt	'01100010'B	
fie	SUPERSET({fIEr(erc_i2)})	
noid	*	
dsp	-	
cdpn	-	
cdps	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : FA11(FLAG: INTEGER; CALL_REF:BIT7OR8; resInd: ReservationIndicator)		
PDU Type : FAC_PDU		
Derivation Path :		
Comments : Receive PDU - Explicit Reservation Cancel Invoke - With reservation indicator		
Field Name	Field Value	Comments
pd	'00001000'B	Explicit Reservation Creation Control Invoke - With resInd
cr	CR18(FLAG,CALL_REF)	
mt	'01100010'B	
fie	SUPERSET({fIEr(erc_i3(resInd))})	
noid	*	
dsp	-	
cdpn	-	
cdps	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : FA12(FLAG: INTEGER; CALL_REF:BIT7OR8;invID: InvokeIDType) PDU Type : FAC_PDU Derivation Path : Comments : Send PDU - Explicit Reservation Cancel - Return Result		
Field Name	Field Value	Comments
pd	'00001000'B	Explicit reservation Cancel return result
cr	CR18(FLAG,CALL_REF)	
mt	'01100010'B	
fie	{fIEs(erc_rl(invID))}	
noid	-	
dsp	-	
cdpn	-	
cdps	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : HA1(FLAG: INTEGER; CALL_REF: BIT7OR15)		
PDU Type : HOLD_ACK_PDU		
Derivation Path :		
Comments : Received PDU		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR18(FLAG,CALL_REF)	
mt	'00101000'B	
fie	*	
dsp	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : HA2(FLAG: INTEGER; CALL_REF: BIT7OR15)		
PDU Type : HOLD_ACK_PDU		
Derivation Path :		
Comments : Sent PDU		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR18(FLAG,CALL_REF)	
mt	'00101000'B	
fie	-	
dsp	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : HA3(FLAG: INTEGER; CALL_REF: BIT7OR15;invId:InvokeIDType)		
PDU Type : HOLD_ACK_PDU		
Derivation Path :		
Comments : Sent PDU		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR18(FLAG,CALL_REF)	
mt	'00101000'B	
fie	{fIEs(erc_rl(invId))}	
dsp	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : HA4(FLAG: INTEGER; CALL_REF: BIT7OR15;invId:InvokeIDType)		
PDU Type : HOLD_ACK_PDU		
Derivation Path :		
Comments : Sent PDU - ECR Creation Control Return Result without Reservation Indicator		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR18(FLAG,CALL_REF)	
mt	'00101000'B	
fie	{fIEs(ercc_r2(invId))}	
dsp	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : HA5(FLAG: INTEGER; CALL_REF: BIT7OR15;invId:InvokeIDType;resInd:ReservationIndicator)		
PDU Type : HOLD_ACK_PDU		
Derivation Path :		
Comments : Sent PDU - ECR Creation Control Return Result with reservation indicator		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR18(FLAG,CALL_REF)	
mt	'00101000'B	
fie	{fIEs(ercc_r3(invId,resInd))}	
dsp	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : HA99(FLAG: INTEGER; CALL_REF: BIT7OR15)		
PDU Type : HOLD_ACK_PDU		
Derivation Path :		
Comments : send PDU. Invalid HOLD ACK - contents error in Display IE		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR18(FLAG,CALL_REF)	
mt	'00101000'B	
fie	-	
dsp	DSP2	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : HL1(FLAG: INTEGER; CALL_REF: BIT7OR15)		
PDU Type : HOLD_PDU		
Derivation Path :		
Comments : Receive PDU		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR18(FLAG,CALL_REF)	
mt	'00100100'B	
fie	*	
dsp	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : HL2(FLAG: INTEGER; CALL_REF: BIT7OR15)		
PDU Type : HOLD_PDU		
Derivation Path :		
Comments : Send PDU		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR18(FLAG,CALL_REF)	
mt	'00100100'B	
fie	-	
dsp	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : HL3(FLAG: INTEGER; CALL_REF: BIT7OR15)		
PDU Type : HOLD_PDU		
Derivation Path :		
Comments : Receive PDU - ECR Creation Control Invoke - No reservation indicator		
Field Name	Field Value	Comments
pd	'00001000'B	Explicit Channel Reservation Creation Control Invoke - No reservation indicator
cr	CR18(FLAG,CALL_REF)	
mt	'00100100'B	
fie	SUPERSET({fIEr(ercc_i2)})	
dsp	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : HL4(FLAG: INTEGER; CALL_REF: BIT7OR15)		
PDU Type : HOLD_PDU		
Derivation Path :		
Comments : Receive PDU - ECR Creation Control Invoke - with reservation indicator		
Field Name	Field Value	Comments
pd	'00001000'B	Explicit Channel Reservation Creation Control Invoke - With reservation indicator
cr	CR18(FLAG,CALL_REF)	
mt	'00100100'B	
fie	SUPERSET({fIEr(ercc_i3)})	
dsp	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : HL5(FLAG: INTEGER; CALL_REF: BIT7OR15)		
PDU Type : HOLD_PDU		
Derivation Path :		
Comments : Receive PDU - ECR Cancel Invoke - No reservation indicator		
Field Name	Field Value	Comments
pd	'00001000'B	Explicit Channel Reservation Cancel Invoke - No reservation indicator
cr	CR18(FLAG,CALL_REF)	
mt	'00100100'B	
fie	SUPERSET({fIEr(erc_i2)})	
dsp	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : HL6(FLAG: INTEGER; CALL_REF: BIT7OR15;resInd: ReservationIndicator)		
PDU Type : HOLD_PDU		
Derivation Path :		
Comments : Receive PDU - ECR Cancel Invoke - with reservation indicator		
Field Name	Field Value	Comments
pd	'00001000'B	Explicit Channel Reservation Cancel Invoke - With reservation indicator
cr	CR18(FLAG,CALL_REF)	
mt	'00100100'B	
fie	SUPERSET({fIEr(erc_i3(resInd))})	
dsp	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : HR2(FLAG: INTEGER; CALL_REF: BIT7OR15)		
PDU Type : HOLD_REJ_PDU		
Derivation Path :		
Comments : Sent PDU - with cause 101		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR18(FLAG,CALL_REF)	
mt	'00101000'B	
cau	CAU2(101)	
fie	-	
dsp	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : HR98(FLAG: INTEGER; CALL_REF: BIT7OR15)		
PDU Type : HOLD_REJ_PDU		
Derivation Path :		
Comments : Sent PDU - Invalid HOLD_REJ with CAUSE IE content error.		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR18(FLAG,CALL_REF)	
mt	'00101000'B	
cau	CAU6	
fie	-	
dsp	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : HR99(FLAG: INTEGER; CALL_REF: BIT7OR15)		
PDU Type : HOLD_REJ_PDU		
Derivation Path :		
Comments : Sent PDU - Invalid HOLD REJ with cause 101, contents error in Display IE		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR18(FLAG,CALL_REF)	
mt	'00101000'B	
cau	CAU2(101)	
fie	-	
dsp	DSP2	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : IN1(FLAG: INTEGER; CALL_REF: BIT7OR15)		
PDU Type : INFO_PDU		
Derivation Path :		
Comments : Receive PDU		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR18(FLAG,CALL_REF)	
mt	'01111011'B	
sci	*	
cau	-	
fie	*	
dsp	-	
kpf	*	
cdpn	*	
Detailed Comments : &COMMON_U08 PDU with "don't care" values; DSP optional LT parameter; no IUT parameter; CPDN optional LT and IUT parameter used during overlap procedures;		

PDU Constraint Declaration		
Constraint Name : IN4(CALL_REF: BIT7OR15)		
PDU Type : INFO_PDU		
Derivation Path :		
Comments : Receive PDU		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR32(CALL_REF)	
mt	'01111011'B	
sci	*	
cau	—	
fie	*	
dsp	—	
kpf	*	
cdpn	*	
Detailed Comments : &COMMON_U08 PDU with "don't care" values; DSP optional LT parameter; no IUT parameter; CPDN optional LT and IUT parameter used during overlap procedures;		

PDU Constraint Declaration		
Constraint Name : IN5(FLAG: INTEGER; CALL_REF: BIT7OR15)		
PDU Type : INFO_PDU		
Derivation Path :		
Comments : Receive PDU - ECR Creation Control Invoke - No reservation indicator		
Field Name	Field Value	Comments
pd	'00001000'B	ERC Creation Control - no reservation indicator
cr	CR18(FLAG,CALL_REF)	
mt	'01111011'B	
sci	*	
cau	-	
fie	SUPERSET({fIEr(ercc_i2)})	
dsp	-	
kpf	*	
cdpn	*	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : IN6(FLAG: INTEGER; CALL_REF: BIT7OR15)		
PDU Type : INFO_PDU		
Derivation Path :		
Comments : Receive PDU - ECR Creation Control Invoke - With reservation indicator		
Field Name	Field Value	Comments
pd	'00001000'B	ERC Creation Control - with reservation indicator
cr	CR18(FLAG,CALL_REF)	
mt	'01111011'B	
sci	*	
cau	-	
fie	SUPERSET({fIEr(erc_i3)})	
dsp	-	
kpf	*	
cdpn	*	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : IN7(FLAG: INTEGER; CALL_REF: BIT7OR15)		
PDU Type : INFO_PDU		
Derivation Path :		
Comments : Receive PDU - ECR Cancel Invoke - No reservation indicator		
Field Name	Field Value	Comments
pd	'00001000'B	Explicit Reservation Cancel invoke (No reservation indicator)
cr	CR18(FLAG,CALL_REF)	
mt	'01111011'B	
sci	*	
cau	-	
fie	SUPERSET({fIEr(erc_i2)})	
dsp	-	
kpf	*	
cdpn	*	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : IN8(FLAG: INTEGER; CALL_REF: BIT7OR15; resInd: ReservationIndicator)		
PDU Type : INFO_PDU		
Derivation Path :		
Comments : Receive PDU - ECR Cancel Invoke - With reservation indicator		
Field Name	Field Value	Comments
pd	'00001000'B	Explicit Reservation Cancel invoke (with resrvation indicator)
cr	CR18(FLAG,CALL_REF)	
mt	'01111011'B	
sci	*	
cau	-	
fie	SUPERSET({fIEr(erc_i3(resInd))})	
dsp	-	
kpf	*	
cdpn	*	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : MSG(CALL_REF: BIT7OR15)		
PDU Type : GFP_MSG_PDU		
Derivation Path :		
Comments : Receive PDU		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR32(CALL_REF)	
mt	?	
ie_list	*	
Detailed Comments : &COMMON_U08 PDU with a valid CREF. Used for test cases where PDUs must be absorbed by the tester;		

PDU Constraint Declaration		
Constraint Name : NO3(CALL_REF: BIT7OR15)		
PDU Type : NOTIFY_PDU		
Derivation Path :		
Comments : Receive PDU		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR32(CALL_REF)	
mt	'01101110'B	
noid	NOID1	
dsp	-	
Detailed Comments : &COMMON_U08 PDU with "don't care" values; NOID mandatory LT and IUT parameter; DSP optional LT parameter; no IUT parameter;		

PDU Constraint Declaration		
Constraint Name : NO4(CALL_REF: BIT7OR15)		
PDU Type : NOTIFY_PDU		
Derivation Path :		
Comments : Send PDU - Remote hold notification indicator.		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR19(CALL_REF)	
mt	'01101110'B	
noid	NOID2	
dsp	-	
Detailed Comments : NOID mandatory LT and IUT parameter; DSP optional LT parameter; no IUT parameter;		

PDU Constraint Declaration		
Constraint Name : NO5(CALL_REF: BIT7OR15)		
PDU Type : NOTIFY_PDU		
Derivation Path :		
Comments : Send PDU - Remote retrieve notification indicator.		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR19(CALL_REF)	
mt	'01101110'B	
noid	NOID3	
dsp	-	
Detailed Comments : NOID mandatory LT and IUT parameter; DSP optional LT parameter; no IUT parameter;		

PDU Constraint Declaration		
Constraint Name : NO6(CALL_REF: BIT7OR15)		
PDU Type : NOTIFY_PDU		
Derivation Path :		
Comments : Receive PDU - contains remote hold notification indicator.		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR32(CALL_REF)	
mt	'01101110'B	
noid	NOID2	
dsp	-	
Detailed Comments : NOID mandatory LT and IUT parameter; DSP optional LT parameter; no IUT parameter;		

PDU Constraint Declaration		
Constraint Name : NO7(CALL_REF: BIT7OR15)		
PDU Type : NOTIFY_PDU		
Derivation Path :		
Comments : Receive PDU - contains remote retrieve notification indicator.		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR32(CALL_REF)	
mt	'01101110'B	
noid	NOID3	
dsp	-	
Detailed Comments : NOID mandatory LT and IUT parameter; DSP optional LT parameter; no IUT parameter;		

PDU Constraint Declaration		
Constraint Name : PG2(CALL_REF:BIT7OR15)		
PDU Type : PROG_PDU		
Derivation Path :		
Comments : Send PDU - contains remote hold Notification		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR19(CALL_REF)	
mt	'00000011'B	
cau	-	
fie	-	
pi	PI2	
noid	NOID2	
dsp	-	
uui	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : PG3(CALL_REF:BIT7OR15)		
PDU Type : PROG_PDU		
Derivation Path :		
Comments : Send PDU - contains remote retrieve Notification		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR19(CALL_REF)	
mt	'00000011'B	
cau	-	
fie	-	
pi	PI2	
noid	NOID3	
dsp	-	
uui	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : RL3(FLAG:INTEGER; CALL_REF: BIT7OR15; CVAL: INTEGER)		
PDU Type : REL_PDU		
Derivation Path :		
Comments : Send PDU		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR18(FLAG,CALL_REF)	
mt	'01001101'B	
cau	CAU2(CVAL)	
fie	-	
noid	*	
dsp	-	
uui	-	
Detailed Comments : &COMMON_U08 PDU with optional parameters; CAU optional LT and IUT parameter; mandatory if REL is 1st clearing PDU or as a result of T305 expiry; DSP optional LT parameter; no IUT parameter; UUI optional LT and IUT parameter;		

PDU Constraint Declaration		
Constraint Name : RC1(FLAG: INTEGER; CALL_REF: BIT7OR15)		
PDU Type : REL_COM_PDU		
Derivation Path :		
Comments : Receive PDU		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR18(FLAG,CALL_REF)	
mt	'01011010'B	
cau	*	
fie	*	
noid	*	
dsp	-	
uui	*	
Detailed Comments : &COMMON_U08 PDU with "don't care" values CAU optional LT and IUT parameter; mandatory in the 1st clearing message; DSP optional LT parameter; no IUT parameter; UUI optional LT and IUT parameter;		

PDU Constraint Declaration		
Constraint Name : RC2(FLAG: INTEGER; CALL_REF: BIT7OR15; CVAL: INTEGER)		
PDU Type : REL_COM_PDU		
Derivation Path :		
Comments : Send PDU		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR18(FLAG,CALL_REF)	
mt	'01011010'B	
cau	CAU2(CVAL)	
fie	-	
noid	*	
dsp	-	
uui	-	
Detailed Comments : &COMMON_U08 PDU without optional parameters; CAU optional LT and IUT parameter; mandatory in the 1st clearing message; DSP optional LT parameter; no IUT parameter; UUI optional LT and IUT parameter;		

PDU Constraint Declaration		
Constraint Name : RC3(FLAG: INTEGER; CALL_REF: BIT7OR15; CVAL: INTEGER)		
PDU Type : REL_COM_PDU		
Derivation Path :		
Comments : Receive PDU		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR18(FLAG,CALL_REF)	
mt	'01011010'B	
cau	CAU4(CVAL)	
fie	*	
noid	*	
dsp	-	
uui	*	
Detailed Comments : &COMMON_U08 PDU with "don't care" values CAU optional LT and IUT parameter; mandatory in the 1st clearing message; DSP optional LT parameter; no IUT parameter; UUI optional LT and IUT parameter;		

PDU Constraint Declaration		
Constraint Name : RST1(FLAG: INTEGER; CALL_REF: BIT7OR15; CLASS_VAL: INTEGER)		
PDU Type : RESTART_PDU		
Derivation Path :		
Comments : Receive PDU		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR18(FLAG,CALL_REF)	
mt	'01000110'B	
chi	-	
dsp	-	
ri	RI1(CLASS_VAL)	
Detailed Comments : &COMMON_U08 PDU without optional parameters; PDU that should indicate 'all interfaces' or 'single interface'.		

PDU Constraint Declaration		
Constraint Name : RST3(FLAG: INTEGER; CALL_REF: BIT7OR15; CLASS_VAL: INTEGER)		
PDU Type : RESTART_PDU		
Derivation Path :		
Comments : Receive PDU		
Field Name	Field Value	Comments
pd	’00001000’B	
cr	CR18(FLAG,CALL_REF)	
mt	’01000110’B	
chi	ASSIGN_CHI(CHI6b,CHI8p,BASIC)	
dsp	-	
ri	RI1(CLASS_VAL)	
Detailed Comments : &COMMON_U08 PDU without optional parameters; This PDU should only be received, if CLV indicates ‘indicated channels’.		

PDU Constraint Declaration		
Constraint Name : RSA5(FLAG: INTEGER; CALL_REF: BIT7OR15; CLASS_VAL: INTEGER)		
PDU Type : RESTART_ACK_PDU		
Derivation Path :		
Comments : Send PDU		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR18(FLAG,CALL_REF)	
mt	'01001110'B	
chi	-	
dsp	-	
ri	RI1(CLASS_VAL)	
Detailed Comments : &COMMON_U08 PDU without optional parameters; PDU that indicates 'all interfaces' or 'single interface'.		

PDU Constraint Declaration		
Constraint Name : RSA2(FLAG: INTEGER; CALL_REF: BIT7OR15; BCH: BIT7OR8)		
PDU Type : RESTART_ACK_PDU		
Derivation Path :		
Comments : Send PDU		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR18(FLAG,CALL_REF)	
mt	'01001110'B	
chi	ASSIGN_CHI(CHI1b(BCH), CHI5p(BCH),BASIC)	
dsp	-	
ri	RI4	
Detailed Comments : &COMMON_U08 PDU without optional parameters; CHI mandatory for this PDU, as RI indicates 'indicated channels'		

PDU Constraint Declaration		
Constraint Name : RT1(FLAG: INTEGER; CALL_REF: BIT7OR15)		
PDU Type : RET_PDU		
Derivation Path :		
Comments : Receive PDU		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR18(FLAG,CALL_REF)	
mt	'00110001'B	
chi	*	
fie	*	
dsp	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : RT2(FLAG: INTEGER; CALL_REF: BIT7OR15;BCH:BIT7OR8)		
PDU Type : RET_PDU		
Derivation Path :		
Comments : Send PDU		
Field Name	Field Value	Comments
pd	'00001000'B	channel identification C OCTETSTRING[2..5]
cr	CR18(FLAG,CALL_REF)	
mt	'00110001'B	
chi	ASSIGN_CHI(CHI1b(BCH),CHI5p(BCH),BASIC)	
fie	-	
dsp	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : RT4(FLAG: INTEGER; CALL_REF: BIT7OR15)		
PDU Type : RET_PDU		
Derivation Path :		
Comments : Received PDU - with CHI		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR18(FLAG,CALL_REF)	
mt	'00110001'B	
chi	ASSIGN_CHI(CHI6b,CHI8p,BASIC)	
fie	*	
dsp	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : RT5(FLAG: INTEGER; CALL_REF: BIT7OR15)		
PDU Type : RET_PDU		
Derivation Path :		
Comments : Receive PDU - ECR Management invoke - no reservation indicator		
Field Name	Field Value	Comments
pd	'00001000'B	ECR management invoke, no reservation indicator
cr	CR18(FLAG,CALL_REF)	
mt	'00110001'B	
chi	?	
fie	SUPERSET({fIEr(erm_i2)})	
dsp	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : RT6(FLAG: INTEGER; CALL_REF: BIT7OR15; resInd: ReservationIndicator)		
PDU Type : RET_PDU		
Derivation Path :		
Comments : Receive PDU - ECR Management invoke - no reservation indicator		
Field Name	Field Value	Comments
pd	'00001000'B	ECR management invoke, with reservation indicator
cr	CR18(FLAG,CALL_REF)	
mt	'00110001'B	
chi	?	
fie	SUPERSET({fIEr(erm_i3(resInd))})	
dsp	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : RT7(FLAG: INTEGER; CALL_REF: BIT7OR15) PDU Type : RET_PDU Derivation Path : Comments : Receive PDU - ECR Create Control invoke - no reservation indicator		
Field Name	Field Value	Comments
pd	'00001000'B	ECR create control invoke, no reservation indicator
cr	CR18(FLAG,CALL_REF)	
mt	'00110001'B	
chi	*	
fie	SUPERSET({fIEr(ercc_i2)})	
dsp	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : RT8(FLAG: INTEGER; CALL_REF: BIT7OR15) PDU Type : RET_PDU Derivation Path : Comments : Receive PDU - ECR Create Control invoke - with reservation indicator		
Field Name	Field Value	Comments
pd	'00001000'B	ECR create control invoke, with reservation indicator
cr	CR18(FLAG,CALL_REF)	
mt	'00110001'B	
chi	*	
fie	SUPERSET({fIEr(ercc_i3)})	
dsp	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : RT9(FLAG: INTEGER; CALL_REF: BIT7OR15) PDU Type : RET_PDU Derivation Path : Comments : Receive PDU - No ECR management invoke or ECR Cancel invoke		
Field Name	Field Value	Comments
pd	'00001000'B	No ECR management or cancel
cr	CR18(FLAG,CALL_REF)	
mt	'00110001'B	
chi	ASSIGN_CHI(CHI6b,CHI8p,BASIC)	
fie	SUPERSET({fIEx(hc1)})	
dsp	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : RT11(FLAG: INTEGER; CALL_REF: BIT7OR15)		
PDU Type : RET_PDU		
Derivation Path :		
Comments : Receive PDU - ECR Cancel invoke - no reservation indicator		
Field Name	Field Value	Comments
pd	'00001000'B	ECR cancel invoke, no reservation indicator
cr	CR18(FLAG,CALL_REF)	
mt	'00110001'B	
chi	?	
fie	SUPERSET({fIEr(erc_i2)})	
dsp	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : RT12(FLAG: INTEGER; CALL_REF: BIT7OR15; resInd: ReservationIndicator)		
PDU Type : RET_PDU		
Derivation Path :		
Comments : Receive PDU - ECR Cancel invoke - no reservation indicator		
Field Name	Field Value	Comments
pd	'00001000'B	ECR cancel invoke, with reservation indicator
cr	CR18(FLAG,CALL_REF)	
mt	'00110001'B	
chi	?	
fie	SUPERSET({fIEr(erc_i3(resInd))})	
dsp	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : RT13(FLAG: INTEGER; CALL_REF: BIT7OR15)		
PDU Type : RET_PDU		
Derivation Path :		
Comments : Receive PDU - No ECR management invoke or ECR Cancel invoke		
Field Name	Field Value	Comments
pd	'00001000'B	No ECR management or cancel
cr	CR18(FLAG,CALL_REF)	
mt	'00110001'B	
chi	*	
fie	SUPERSET({fIEx(hc1)})	
dsp	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : RTA1 (FLAG: INTEGER; CALL_REF: BIT7OR15)		
PDU Type : RET_ACK_PDU		
Derivation Path :		
Comments : Receive PDU		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR18 (FLAG,CALL_REF)	
mt	'00110001'B	
chi	*	
fie	*	
dsp	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : RTA2(FLAG: INTEGER; CALL_REF: BIT7OR15;BCH:BIT7OR8)		
PDU Type : RET_ACK_PDU		
Derivation Path :		
Comments : Sent PDU		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR18(FLAG,CALL_REF)	
mt	'00110001'B	
chi	ASSIGN_CHI(CHI1b(BCH),CHI5p(BCH),BASIC)	
fie	-	
dsp	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : RTA3(FLAG: INTEGER; CALL_REF: BIT7OR15; BCH: BIT7OR8; invID: InvokeIDType)		
PDU Type : RET_ACK_PDU		
Derivation Path :		
Comments : Sent PDU - with ECR Management Return Result		
Field Name	Field Value	Comments
pd	'00001000'B	ECR management return result
cr	CR18(FLAG,CALL_REF)	
mt	'00110001'B	
chi	ASSIGN_CHI(CHI1b(BCH),CHI5p(BCH),BASIC)	
fie	{fIEs(erm_r1(invID))}	
dsp	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : RTA4(FLAG: INTEGER; CALL_REF: BIT7OR15; BCH: BIT7OR8; invID: InvokeIDType) PDU Type : RET_ACK_PDU Derivation Path : Comments : Sent PDU - with ECR Creation Control Return Result without reservation indicator		
Field Name	Field Value	Comments
pd	'00001000'B	ECR Creation control return result
cr	CR18(FLAG,CALL_REF)	
mt	'00110001'B	
chi	ASSIGN_CHI(CHI1b(BCH),CHI5p(BCH),BASIC)	
fie	{fIEs(ercc_r2(invID))}	
dsp	-	
Detailed Comments : HA4		

PDU Constraint Declaration		
Constraint Name : RTA5(FLAG: INTEGER; CALL_REF: BIT7OR15; BCH: BIT7OR8; invId: InvokeIDType; resInd: ReservationIndicator) PDU Type : RET_ACK_PDU Derivation Path : Comments : Sent PDU - with ECR Creation Control Return Result with reservation indicator		
Field Name	Field Value	Comments
pd	'00001000'B	ECR Creation Control return result
cr	CR18(FLAG,CALL_REF)	
mt	'00110001'B	
chi	ASSIGN_CHI(CHI1b(BCH),CHI5p(BCH),BASIC)	
fie	{fIEs(ercc_r3(invId,resInd))}	
dsp	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : RTA6(FLAG: INTEGER; CALL_REF: BIT7OR15; BCH: BIT7OR8; invID: InvokeIDType) PDU Type : RET_ACK_PDU Derivation Path : Comments : Sent PDU - with ECR Cancel Return Result		
Field Name	Field Value	Comments
pd	'00001000'B	ECR Cancel return result
cr	CR18(FLAG,CALL_REF)	
mt	'00110001'B	
chi	ASSIGN_CHI(CHI1b(BCH),CHI5p(BCH),BASIC)	
fie	{fIEs(erc_r1(invID))}	
dsp	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : RTA99(FLAG: INTEGER; CALL_REF: BIT7OR15;BCH:BIT7OR8) PDU Type : RET_ACK_PDU Derivation Path : Comments : Sent PDU - Invalid Display optional IE		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR18(FLAG,CALL_REF)	
mt	'00110001'B	
chi	ASSIGN_CHI(CHI1b(BCH),CHI5p(BCH),BASIC)	
fie	-	
dsp	DSP2	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : RTJ2(FLAG: INTEGER; CALL_REF: BIT7OR15) PDU Type : RET_REJ_PDU Derivation Path : Comments : Sent PDU - with cause 101		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR18(FLAG,CALL_REF)	
mt	'00110111'B	
cau	CAU2(101)	
fie	-	
dsp	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : RTJ98(FLAG: INTEGER; CALL_REF: BIT7OR15) PDU Type : RET_REJ_PDU Derivation Path : Comments : Sent PDU - with invalid cause		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR18(FLAG,CALL_REF)	
mt	'00110111'B	
cau	CAU6	
fie	-	
dsp	-	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : RTJ99(FLAG: INTEGER; CALL_REF: BIT7OR15)		
PDU Type : RET_REJ_PDU		
Derivation Path :		
Comments : Sent PDU - with cause 101 and invalid Display optional IE		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR18(FLAG,CALL_REF)	
mt	'00110111'B	
cau	CAU2(101)	
fie	-	
dsp	DSP2	
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : SU1		
PDU Type : SETUP_PDU		
Derivation Path :		
Comments : Receive PDU		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR21	
mt	'00000101'B	
sci	*	
bcap	?	
chi	*	
fie	*	
pi	*	
nsf	*	
dsp	-	
kpf	*	
cgpn	*	
cgps	*	
cdpn	*	
cdps	*	
tns	*	
llc	*	
hlc	*	
uui	*	
Detailed Comments : &COMMON_U08 PDU with "don't care" values; DSP optional LT parameter; no IUT parameter; SCI, PI, CGPN, CGPS, CPDN, CDPS, KPF, LLC, HLC, UUI optional LT and IUT parameters; TNS optional IUT parameter;		

PDU Constraint Declaration		
Constraint Name : SU2(CALL_REF: BIT7OR15; BCH: BIT7OR8)		
PDU Type : SETUP_PDU		
Derivation Path :		
Comments : Send PDU		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR19(CALL_REF)	
mt	'00000101'B	
sci	'10100001'B	
bcap	BCAPV	
chi	ASSIGN_CHI(CHI1b(BCH), CHI5p(BCH),BASIC)	
fie	-	
pi	-	
nsf	-	
dsp	-	
kpf	-	
cgpn	-	
cgps	-	
cdpn	CDPN1	
cdps	-	
tns	-	
llc	LLCV	
hlc	HLCV	
uui	-	
Detailed Comments : &COMMON_U08 PDU with optional parameters SCI and CDPN; BCAPV is used as test suite parameter; DSP optional LT parameter; no IUT parameter; SCI, PI, CGPN, CGPS, CPDN, CDPS, KPF, LLC, HLC, UUI optional LT and IUT parameters; TNS optional IUT parameter;		

PDU Constraint Declaration		
Constraint Name : SU9		
PDU Type : SETUP_PDU		
Derivation Path :		
Comments : Receive PDU		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR21	
mt	'00000101'B	
sci	*	
bcap	?	
chi	ASSIGN_CHI(CHI7b,CHI9p,BASIC)	
fie	*	
pi	*	
nsf	*	
dsp	—	
kpf	*	
cgpn	*	
cgps	*	
cdpn	*	
cdps	*	
tns	*	
llc	*	
hlc	*	
uui	*	
Detailed Comments : &COMMON_U08 PDU with "don't care" values; DSP optional LT parameter; no IUT parameter; SCI, PI, CGPN, CGPS, CPDN, CDPS, KPF, LLC, HLC, UUI optional LT and IUT parameters; TNS optional IUT parameter;		

PDU Constraint Declaration		
Constraint Name : SU11		
PDU Type : SETUP_PDU		
Derivation Path :		
Comments : Receive PDU with CDPN and CHI		
Field Name	Field Value	Comments
pd	'00001000'B	CDPN present
cr	CR21	
mt	'00000101'B	
sci	*	
bcap	?	
chi	ASSIGN_CHI(CHI7b,CHI9p,BASIC)	
fie	*	
pi	*	
nsf	*	
dsp	-	
kpf	*	
cgpn	*	
cgps	*	
cdpn	CDPN2	
cdps	*	
tns	*	
llc	*	
hlc	*	
uui	*	
Detailed Comments : &COMMON_U08 PDU with "don't care" values, CDPN and CHI must be present DSP optional LT parameter; no IUT parameter; SCI, PI, CGPN, CGPS, CPDN, CDPS, KPF, LLC, HLC, UUI optional LT and IUT parameters; TNS optional IUT parameter;		

PDU Constraint Declaration		
Constraint Name : SU12		
PDU Type : SETUP_PDU		
Derivation Path :		
Comments : Receive PDU with CDPN		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR21	
mt	'00000101'B	
sci	*	
bcap	?	
chi	*	
fie	*	
pi	*	
nsf	*	
dsp	—	
kpf	*	
cgpn	*	
cgps	*	
cdpn	CDPN2	
cdps	*	
tns	*	
llc	*	
hlc	*	
uui	*	
Detailed Comments : &COMMON_U08 PDU with "don't care" values; CDPN must be present DSP optional LT parameter; no IUT parameter; SCI, PI, CGPN, CGPS, CPDN, CDPS, KPF, LLC, HLC, UUI optional LT and IUT parameters; TNS optional IUT parameter;		

PDU Constraint Declaration		
Constraint Name : SUA2(CALL_REF: BIT7OR15; BCH: BIT7OR8)		
PDU Type : SETUP_ACK_PDU		
Derivation Path :		
Comments : Send PDU		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR17(CALL_REF)	
mt	'00001101'B	
chi	ASSIGN_CHI(CHI1b(BCH), CHI5p(BCH),BASIC)	
fie	-	
pi	-	
dsp	-	
Detailed Comments : &COMMON_U08 PDU without optional parameters; CHI mandatory parameter, if in 1st PDU in response to SETUP unless user accepts the specific B-channel; PI is used in connection with interworking or in band information patterns; optional parameter; DSP optional LT parameter; no IUT parameter;		

PDU Constraint Declaration		
Constraint Name : ST3(FLAG: INTEGER; CALL_REF: BIT7OR15; CVAL, CSTV: INTEGER)		
PDU Type : STATUS_PDU		
Derivation Path :		
Comments : Receive PDU		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR18(FLAG,CALL_REF)	
mt	'01111101'B	
cau	CAU4(CVAL)	
cst	CST2(CSTV)	
dsp	-	
Detailed Comments : &COMMON_U08 PDU with "don't care" values in cst and cau; DSP optional LT parameter; no IUT parameter;		

PDU Constraint Declaration		
Constraint Name : ST6(FLAG: INTEGER; CALL_REF: BIT7OR15; CVAL: INTEGER)		
PDU Type : STATUS_PDU		
Derivation Path :		
Comments : Receive PDU		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR18(FLAG,CALL_REF)	
mt	'01111101'B	
cau	CAU4(CVAL)	
cst	CST1	
dsp	-	
Detailed Comments : &COMMON_U08 PDU with "don't care" values in cst; DSP optional LT parameter; no IUT parameter;		

PDU Constraint Declaration		
Constraint Name : SQ1(FLAG: INTEGER; CALL_REF: BIT7OR15)		
PDU Type : ST_ENQ_PDU		
Derivation Path :		
Comments : Send PDU		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR18(FLAG,CALL_REF)	
mt	'01110101'B	
dsp	-	
Detailed Comments : &COMMON_U08 PDU without optional parameters; DSP optional LT parameter; no IUT parameter;		

PDU Constraint Declaration		
Constraint Name : SQ3(CALL_REF: BIT7OR15) PDU Type : ST_ENQ_PDU Derivation Path : Comments : Receive PDU		
Field Name	Field Value	Comments
pd	'00001000'B	
cr	CR32(CALL_REF)	
mt	'01110101'B	
dsp	-	
Detailed Comments : &COMMON_U08 PDU with "don't care" values in cr; DSP optional LT parameter; no IUT parameter;		

PDU Constraint Declaration		
Constraint Name : GE1(FLAG: INTEGER; CALL_REF: BIT7OR15; invID: InvokeIDType) PDU Type : GENERIC_PDU Derivation Path : Comments : Reject component in any message		
Field Name	Field Value	Comments
pd	'00001000'B	protocol discriminator
cr	CR18(FLAG,CALL_REF)	call reference
mt	?	Any message
sci	*	sending complete information 0
cau	*	cause
fie	SUPERSET({fIEr(rjcl(invID))})	Reject component
noid	*	notification indicator
dsp	-	display (n ->u)
kpf	*	keypad facility
cdpn	*	called party number
cdps	*	called party subaddr.
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : GE2(FLAG: INTEGER; CALL_REF: BIT7OR15) PDU Type : GENERIC_PDU Derivation Path : Comments : HOLD, FACILITY or INFORMATION with Explicit Reservation Creation Control		
Field Name	Field Value	Comments
pd	'00001000'B	protocol discriminator
cr	CR18(FLAG,CALL_REF)	call reference
mt	('00100100'B,'01100010'B, '01111011'B)	HOLD, FACILITY or INFO
sci	*	sending complete information 0
cau	*	cause
fie	SUPERSET({fIEr(ercc_il)})	Explicit Reservation Creation Control invoke
noid	*	notification indicator
dsp	-	display (n ->u)
kpf	*	keypad facility
cdpn	*	called party number
cdps	*	called party subaddr.
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : GE3(FLAG: INTEGER; CALL_REF: BIT7OR15) PDU Type : GENERIC_PDU Derivation Path : Comments : RETRIEVE, FACILITY or INFORMATION with Explicit Reservation Creation Control		
Field Name	Field Value	Comments
pd	'00001000'B	protocol discriminator
cr	CR18(FLAG,CALL_REF)	call reference
mt	('00110001'B,'01100010'B, '01111011'B)	RETRIEVE, FACILITY or INFO
sci	*	sending complete information 0
cau	*	cause
fie	SUPERSET({fIEr(ercc_il)})	Explicit Reservation Creation Control invoke
noid	*	notification indicator
dsp	-	display (n ->u)
kpf	*	keypad facility
cdpn	*	called party number
cdps	*	called party subaddr.
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : GE4(FLAG: INTEGER; CALL_REF: BIT7OR15) PDU Type : GENERIC_PDU Derivation Path : Comments : FACILITY or INFORMATION with Explicit Reservation Cancel (No reservation indicator)		
Field Name	Field Value	Comments
pd	'00001000'B	protocol discriminator
cr	CR18(FLAG,CALL_REF)	call reference
mt	('01100010'B, '01111011'B)	FACILITY or INFO
sci	*	sending complete information 0
cau	*	cause
fie	SUPERSET({fIEr(erc_i2)})	Explicit Reservation Cancel invoke (No reservation indicator)
noid	*	notification indicator
dsp	—	display (n ->u)
kpf	*	keypad facility
cdpn	*	called party number
cdps	*	called party subaddr.
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : GE5(FLAG: INTEGER; CALL_REF: BIT7OR15;resInd: ReservationIndicator) PDU Type : GENERIC_PDU Derivation Path : Comments : FACILITY or INFORMATION with Explicit Reservation Cancel (Parameterised reservation indicator)		
Field Name	Field Value	Comments
pd	'00001000'B	protocol discriminator
cr	CR18(FLAG,CALL_REF)	call reference
mt	('01100010'B, '01111011'B)	FACILITY or INFO
sci	*	sending complete information 0
cau	*	cause
fie	SUPERSET({fIEr(erc_i3(resInd))})	Explicit Reservation Cancel invoke (With reservation indicator)
noid	*	notification indicator
dsp	—	display (n ->u)
kpf	*	keypad facility
cdpn	*	called party number
cdps	*	called party subaddr.
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : GE6(FLAG: INTEGER; CALL_REF: BIT7OR15) PDU Type : GENERIC_PDU Derivation Path : Comments : RETRIEVE, FACILITY or INFORMATION with Explicit Reservation Cancel (No reservation indicator)		
Field Name	Field Value	Comments
pd	'00001000'B	protocol discriminator
cr	CR18(FLAG,CALL_REF)	call reference
mt	('00110001'B,'01100010'B, '01111011'B)	RETRIEVE, FACILITY or INFO
sci	*	sending complete information 0
cau	*	cause
fie	SUPERSET({fIEr(erc_i2)})	Explicit Reservation Cancel invoke (No reservation indicator)
noid	*	notification indicator
dsp	-	display (n ->u)
kpf	*	keypad facility
cdpn	*	called party number
cdps	*	called party subaddr.
Detailed Comments :		

PDU Constraint Declaration		
Constraint Name : GE7(FLAG: INTEGER; CALL_REF: BIT7OR15;resInd: ReservationIndicator) PDU Type : GENERIC_PDU Derivation Path : Comments : RETRIEVE, FACILITY or INFORMATION with Explicit Reservation Cancel (Parameterised reservation indicator)		
Field Name	Field Value	Comments
pd	'00001000'B	protocol discriminator
cr	CR18(FLAG,CALL_REF)	call reference
mt	('00110001'B,'01100010'B, '01111011'B)	RETRIEVE, FACILITY or INFO
sci	*	sending complete information 0
cau	*	cause
fie	SUPERSET({fIEr(erc_i3(resInd))})	Explicit Reservation Cancel invoke (With reservation indicator)
noid	*	notification indicator
dsp	-	display (n ->u)
kpf	*	keypad facility
cdpn	*	called party number
cdps	*	called party subaddr.
Detailed Comments :		

IV

Dynamic Part

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U01_001 Group : ServedUserS_T/Normal/Hold/ Purpose : Ensure that the IUT in the Active call state U10 and Idle auxiliary state, to initiate the HOLD service, sends a HOLD message and enters the Hold Requested auxiliary state. Configuration : Default : DF69901(0) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR31001			
2		<IUT!HOLD_PDU>	HL1(1,CREF)		
3		START TWAIT			
4		L?HOLDr CANCEL TWAIT	A_HL1(1,CREF)	(P)	
5		+CS58101(0)			
6		?TIMEOUT TWAIT		(I)	
7		+PO49901(0)			
Detailed Comments : Reference: ETS 300 141-1 subclause 9.1.1					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U01_002 Group : ServedUserS_T/Normal/Hold/ Purpose : Ensure that the IUT in the Call Delivered call state U04 and Idle auxiliary state, to initiate the HOLD service, sends a HOLD message and enters the Hold Requested auxiliary state. Configuration : Default : DF69901(1) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR30401			
2		<IUT!HOLD_PDU>	HL1(0,CREF)		
3		START TWAIT			
4		L?HOLDr CANCEL TWAIT	A_HL1(0,CREF)	(P)	
5		+CS58101(1)			
6		?TIMEOUT TWAIT		(I)	
7		+PO49901(1)			
Detailed Comments : Reference: ETS 300 141-1 subclause 9.1.1					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U01_003					
Group : ServedUserS_T/Normal/Hold/					
Purpose : Ensure that the IUT in the Active call state U10 and Hold Requested auxiliary state, receiving a HOLD ACKNOWLEDGE message releases the B-channel, remains in the Active call state U10 and enters the Call Held auxiliary state.					
Configuration :					
Default : DF69901(0)					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR31001	A_HA2(0,CREF)		(1)
2		+PR38101(0)			
3		L!HOLD_ACK			
4		+CS51001(0)			
5		+CS57001(0)			
6		[RESP]			
7		+CS58301(0)			
8		[NOT RESP]			
9		+CS58031(0)			
Detailed Comments : Reference: ETS 300 141-1 subclause 9.1.1 (1) Check that the IUT is in state U10 (2) Check that the B-channel has been released (3) Check that the IUT is in the Call Held auxiliary state if responder (4) Check that the auxiliary state change has occurred if not responder					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U01_004					
Group : ServedUserS_T/Normal/Hold/					
Purpose : Ensure that the IUT in the Active call state U10 and the Hold Requested auxiliary state, receiving an invalid HOLD ACKNOWLEDGE message with an optional information element with content error , sends no message or sends a STATUS message cause #100 "invalid information element contents" and enters the Call Held auxiliary state.					
Configuration :					
Default : DF69901(0)					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR31001	A_HA99(0,CREF)		
2		+PR38101(0)			
3		L!HOLD_ACK			
4		[RESP] (ECV:=100)			
5		+CS58301(0)			
6		[NOT RESP] (ECV:=100)			
7		+CS58031(0)			
Detailed Comments : Reference: ETS 300 141-1 subclause 9.1.1 NOTE: Ccheck state can only distinguish between Idle and Call Held if IUT can act as responder.					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U01_005					
Group : ServedUserS_T/Normal/Hold/					
Purpose : Ensure that the IUT in the Call Delivered call state U04 and Hold Requested auxiliary state, receiving a HOLD ACKNOWLEDGE message enters the Call Held auxiliary state.					
Configuration :					
Default : DF69901(1)					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR30401	A_HA2(1,CREF)		
2		+PR38101(1)			
3		L!HOLD_ACK			
4		+CS58301(1)			
Detailed Comments : Reference: ETS 300 141-1 subclause 9.1.1					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U01_006					
Group		: ServedUsersS_T/Normal/Hold/			
Purpose		: Ensure that the IUT in the Call Delivered call state U04 and the Hold Requested auxiliary state, receiving an HOLD ACKNOWLEDGE message with an optional information element with content error , sends no message or sends a STATUS message cause #100 "invalid information element contents" and enters the Call Held auxiliary state.			
Configuration		:			
Default		: DF69901(1)			
Comments		:			
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR30401	A_HA99(1,CREF)		
2		+PR38101(1)			
3		L!HOLD_ACK			
4		[RESP] (ECV:=100)			
5		+CS58301(1)			
6		[NOT RESP] (ECV:=100)			
7		+CS58031(1)			
Detailed Comments : Reference: ETS 300 141-1 subclause 9.1.1 NOTE: Ccheck state can only distinguish between Idle and Call Held if IUT can act as responder.					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U01_007					
Group : ServedUserS_T/Normal/Hold/					
Purpose : Ensure that the IUT in the Active call state U10 and Hold Requested auxiliary state, receiving a HOLD REJECT message does not release the B-channel, remains in the Active call state U10 and enters the idle auxiliary state.					
Configuration :					
Default : DF69901(0)					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR31001	A_HR2(0,CREF)		(1)
2		+PR38101(0)			
3		L!HOLD_REJ			
4		+CS51001(0)			
5		+CS57101(0)			
6		[RESP]			
7		+CS58001(0)			
8		[NOT RESP]			
9		+CS58031(0)			
Detailed Comments : Reference: ETS 300 141-1 subclause 9.1.2 (1) Check that the IUT is in state U10 (2) Check that the B-channel has not been released (3) Check that the IUT is in the Idle auxiliary state if responder (4) Check that the auxiliary state change has occurred if not responder					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U01_008					
Group : ServedUserS_T/Normal/Hold/					
Purpose : Ensure that the IUT in the Active call state U10 and the Hold Requested auxiliary state, receiving a HOLD REJECT message with an optional information element with content error , takes no action or sends a STATUS message cause #100 "invalid information element contents" and enters the Idle auxiliary state.					
Configuration :					
Default : DF69901(0)					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR31001	A_HR99(0,CREF)		
2		+PR38101(0)			
3		L!HOLD_REJ			
4		[RESP] (ECV:=100)			
5		+CS58001(0)			
6		[NOT RESP] (ECV:=100)			
7		+CS58031(0)			
Detailed Comments : Reference ETS 300 141-1 subclause 9.1.1 The optional IE is Display NOTE: Ccheck state can only distinguish between Idle and Call Held if IUT can act as responder.					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U01_009 Group : ServedUserS_T/Normal/Hold/ Purpose : Ensure that the IUT in the Active call state U10 and the Hold Requested auxiliary state, receiving a HOLD REJECT message with a mandatory information element with content error, sends a STATUS message cause #100 "invalid information element contents" and remains in the same state. Configuration : Default : DF69901(0) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR31001			
2		+PR38101(0)			
3		L!HOLD_REJ START TAC	A_HR98(0,CREF)		
4		L?STATUSr (STAT_TRANSM:=TRUE) CANCEL TAC	A_ST3(1,CREF,100,10)	(P)	
5		+CS58101(0)			
6		?TIMEOUT TAC		(F)	
7		+PO49901(0)			
Detailed Comments : The mandatory IE is Cause Reference: ETS 300 141-1 subclause 9.1.2					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U01_010 Group : ServedUserS_T/Normal/Hold/ Purpose : Ensure that the IUT in the Call Delivered call state U04 and Hold Requested auxiliary state, receiving a HOLD REJECT message enters the idle auxiliary state. Configuration : Default : DF69901(0) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR30401			
2		+PR38101(1)			
3		L!HOLD_REJ	A_HR2(1,CREF)		
4		+CS58001(1)			
Detailed Comments : Reference: ETS 300 141-1 subclause 9.1.2					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U01_011					
Group : ServedUserS_T/Normal/Hold/					
Purpose : Ensure that the IUT in the Call Delivered call state U04 and the Hold Requested auxiliary state, receiving a HOLD REJECT message with an optional information element with content error , sends no message or sends a STATUS message cause #100 "invalid information element contents" and enters the Idle auxiliary state.					
Configuration :					
Default : DF69901(1)					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR30401	A_HR99(1,CREF)		
2		+PR38101(1)			
3		L!HOLD_REJ			
4		[RESP] (ECV:=100)			
5		+CS58001(1)			
6		[NOT RESP] (ECV:=100)			
7		+CS58031(1)			
Detailed Comments : The optional IE is Display					
Reference: ETS 300 141-1 subclause 9.1.2					
NOTE: Ccheck state can only distinguish between Idle and Call Held if IUT can act as responder.					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U01_012					
Group : ServedUserS_T/Normal/Hold/					
Purpose : Ensure that the IUT in the Call Delivered call state U04 and the Hold Requested auxiliary state, receiving a HOLD REJECT message with a mandatory information element with content error , sends a STATUS message cause #100 "invalid information element contents" and remains in the same state.					
Configuration :					
Default : DF69901(1)					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR30401			
2		+PR38101(1)			
3		L!HOLD_REJ START TAC	A_HR98(1,CREF)		
4		L?STATUSr (STAT_TRANSM:=TRUE) CANCEL TAC	A_ST3(0,CREF,100,10)	(P)	
5		+CS58101(1)			
6		?TIMEOUT TAC		(F)	
7		+PO49901(1)			
Detailed Comments : The mandatory IE is Cause Reference: ETS 300 141-1 subclause 9.1.2					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U02_001 Group : ServedUserS_T/Normal/Retrieve/ Purpose : Ensure that the IUT in the Active Call state U10 and the Call Held auxiliary state, to initiate the Retrieve function sends a RETRIEVE message and enters the Retrieved Requested auxiliary state. Configuration : Default : DF69901(0) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR31001			
2		+PR38301(0)			
3		<IUT!RET_PDU>	RT1(1,CREF)		
4		START TWAIT			
5		L?RETr [NOT BASIC] (bch_num:= RETr.mun.chi.primary.chi_e5_ch 2) CANCEL TWAIT	A_RT4(1,CREF)	(P)	
6		+CS58401(0)			
7		L?RETr [BASIC] (bch_num:= RETr.mun.chi.basic.chi_e3_cs) CANCEL TWAIT	A_RT4(1,CREF)	(P)	
8		+CS58401(0)			
9		L?RETr CANCEL TWAIT	A_RT1(1,CREF)	(P)	
10		+CS58401(0)			
11		?TIMEOUT TWAIT		(I)	
12		+PO49901(0)			
Detailed Comments : Reference: ETS 300 141-1 subclause 9.3.1					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U02_002 Group : ServedUserS_T/Normal/Retrieve/ Purpose : Ensure that the IUT in the Call Delivered call state U04 and the Call Held auxiliary state, to initiate the Retrieve function sends a RETRIEVE message and enters the Retrieved Requested auxiliary state. Configuration : Default : DF69901(1) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR30401			
2		+PR38301(1)			
3		<IUT!RET_PDU>	RT1(0,CREF)		
4		START TWAIT			
5		L?RETr [NOT BASIC] (bch_num:= RETr.mun.chi.primary.chi_e5_ch 2) CANCEL TWAIT	A_RT4(0,CREF)	(P)	
6		+CS58401(1)			
7		L?RETr [BASIC] (bch_num:= RETr.mun.chi.basic.chi_e3_cs) CANCEL TWAIT	A_RT4(0,CREF)	(P)	
8		+CS58401(1)			
9		L?RETr CANCEL TWAIT	A_RT1(0,CREF)	(P)	
10		+CS58401(1)			
11		?TIMEOUT TWAIT		(I)	
12		+PO49901(1)			
Detailed Comments : Reference: ETS 300 141-1 subclause 9.3.1					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U02_003					
Group : ServedUserS_T/Normal/Retrieve/					
Purpose : Ensure that the IUT in the Active call state U10 and Retrieve Requested auxiliary state, receiving a RETRIEVE ACKNOWLEDGE message connects to the B channel, remains in the Active call state U10 and enters the Idle auxiliary state.					
Configuration :					
Default : DF69901(0)					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR31001	A_RTA2(0,CREF,bch_num)		(1)
2		+PR38401(0)			
3		L!RET_ACK			
4		+CS51001(0)			
5		+CS57101(0)			
6		[RESP]			
7		+CS58001(0)			
8		[NOT RESP]			
9		+CS58031(0)			
Detailed Comments : Reference: ETS 300 141-1 subclause 9.3.1 (1) Check that the IUT is in state U10 (2) Check that the IUT has connected to the B-channel (3) Check that the IUT is in the Idle auxiliary state if responder (4) Check that the auxiliary state change has occurred if not responder					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U02_004					
Group : ServedUserS_T/Normal/Retrieve/					
Purpose : Ensure that the IUT in the Active call state U10 and Retrieve Requested auxiliary state, receiving a RETRIEVE ACKNOWLEDGE message with an optional information element with content error takes no action or sends a STATUS message cause #100 "invalid information element contents" and enters the Idle auxiliary state.					
Configuration :					
Default : DF69901(0)					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR31001	A_RTA99(0,CREF,bch_num)		
2		+PR38401(0)			
3		L!RET_ACK			
4		[RESP] (ECV:=100)			
5		+CS58001(0)			
6		[NOT RESP] (ECV:=100)			
7		+CS58031(0)			
Detailed Comments : Reference: ETS 300 141-1 subclause 9.3.1					
NOTE: Ccheck state can only distinguish between Idle and Call Held if IUT can act as responder.					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U02_005					
Group : ServedUserS_T/Normal/Retrieve/					
Purpose : Ensure that the IUT in the Call Delivered call state U04 and Retrieve Requested auxiliary state receiving a RETRIEVE ACKNOWLEDGE message connects to the B channel and enters the idle auxiliary state.					
Configuration :					
Default : DF69901(1)					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR30401	A_RTA2(1,CREF,bch_num)		
2		+PR38401(1)			
3		L!RET_ACK			
4		+CS58001(1)			
Detailed Comments : Reference: ETS 300 141-1 subclause 9.3.1					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U02_006					
Group : ServedUsersS_T/Normal/Retrieve/					
Purpose : Ensure that the IUT in the Call Delivered call state U04 and Retrieve Requested auxiliary state receiving a RETRIEVE ACKNOWLEDGE with an optional information element with content error sends no message or sends a STATUS message cause #100 "invalid information element contents" and enters the Idle auxiliary state.					
Configuration :					
Default : DF69901(1)					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR30401	A_RTA99(1,CREF,bch_num)		
2		+PR38401(1)			
3		L!RET_ACK			
4		[RESP] (ECV:=100)			
5		+CS58001(1)			
6		[NOT RESP] (ECV:=100)			
7		+CS58031(1)			
Detailed Comments : Reference: ETS 300 141-1 subclause 9.3.1 NOTE: Ccheck state can only distinguish between Idle and Call Held if IUT can act as responder.					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U02_007					
Group : ServedUserS_T/Normal/Retrieve/					
Purpose : Ensure that the IUT in the Active call state U10 and Retrieve Requested auxiliary state, receiving a RETRIEVE REJECT message does not connect to the B-channel, remains in the Active call state U10 and enters the Call Held auxiliary state.					
Configuration :					
Default : DF69901(0)					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR31001	A_RTJ2(0,CREF)		
2		+PR38401(0)			
3		L!RET_REJ			
4		+CS51001(0)			(1)
5		+CS57001(0)			(2)
6		[RESP]			
7		+CS58301(0)			(3)
8		[NOT RESP]			
9		+CS58031(0)			(4)
Detailed Comments : Reference: ETS 300 141-1 subclause 9.3.2 (1) Check that the IUT is in state U10 (2) Check that the IUT has not connected to the B-channel (3) Check that the IUT is in the Call Held auxiliary state if responder (4) Check that the auxiliary state change has occurred if not responder					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U02_008					
Group : ServedUserS_T/Normal/Retrieve/					
Purpose : Ensure that the IUT in the Active call state U10 and Retrieve Requested auxiliary state, receiving a RETRIEVE REJECT message with an optional information element with content error, sends no message or sends a STATUS message cause #100 "invalid information element contents" and enters the Call Held auxiliary state.					
Configuration :					
Default : DF69901(0)					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR31001	A_RTJ99(0,CREF)		
2		+PR38401(0)			
3		L!RET_REJ			
4		[RESP] (ECV:=100)			
5		+CS58301(0)			
6		[NOT RESP] (ECV:=100)			
7		+CS58031(0)			
Detailed Comments : Reference: ETS 300 141-1 subclause 9.3.2					
NOTE: Ccheck state can only distinguish between Idle and Call Held if IUT can act as responder.					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U02_009 Group : ServedUserS_T/Normal/Retrieve/ Purpose : Ensure that the IUT in the Active call state U10 and Retrieve Requested auxiliary state, receiving a RETRIEVE REJECT message with a mandatory information element with content error, sends a STATUS message cause #100 "invalid information element contents" and remains in the same state. Configuration : Default : DF69901(0) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR31001			
2		+PR38401(0)			
3		L!RET_REJ START TAC	A_RTJ98(0,CREF)		
4		L?STATUSr (STAT_TRANSM:=TRUE) CANCEL TAC	A_ST3(1,CREF,100,10)	(P)	
5		+CS58401(0)			
6		?TIMEOUT TAC		(F)	
7		+PO49901(0)			
Detailed Comments : Reference: ETS 300 141-1 subclause 9.3.2					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U02_010 Group : ServedUserS_T/Normal/Retrieve/ Purpose : Ensure that the IUT in the Call Delivered call state U04 and Retrieve Requested auxiliary state, receiving a RETRIEVE REJECT message enters the Call Held auxiliary state. Configuration : Default : DF69901(1) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR30401			
2		+PR38401(1)			
3		L!RET_REJ	A_RTJ2(1,CREF)		
4		+CS58301(1)			
Detailed Comments : Reference: ETS 300 141-1 subclause 9.3.2					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U02_011					
Group : ServedUserS_T/Normal/Retrieve/					
Purpose : Ensure that the IUT in the Call Delivered call state U04 and Retrieve Requested auxiliary state, receiving a RETRIEVE REJECT message with an optional information element with content error sends no message or sends a STATUS message cause #100 "invalid information element contents" and enters the Call Held auxiliary state.					
Configuration :					
Default : DF69901(1)					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR30401	A_RTJ99(1,CREF)		
2		+PR38401(1)			
3		L!RET_REJ			
4		[RESP] (ECV:=100)			
5		+CS58301(1)			
6		[NOT RESP] (ECV:=100)			
7		+CS58031(1)			
Detailed Comments : Reference: ETS 300 141-1 subclause 9.3.2 NOTE: Ccheck state can only distinguish between Idle and Call Held if IUT can act as responder.					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U02_012					
Group : ServedUserS_T/Normal/Retrieve/					
Purpose : Ensure that the IUT in the Call Delivered call state U04 and Retrieve Requested auxiliary state, receiving a RETRIEVE REJECT message with a mandatory information element with content error sends a STATUS message cause #100 "invalid information element contents" and remains in the same state.					
Configuration :					
Default : DF69901(1)					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR30401			
2		+PR38401(1)			
3		L!RET_REJ START TAC	A_RTJ98(1,CREF)		
4		L?STATUSr (STAT_TRANSM:=TRUE) CANCEL TAC	A_ST3(0,CREF,100,4)	(P)	
5		+CS58401(1)			
6		?TIMEOUT TAC		(F)	
7		+PO49901(1)			
Detailed Comments : Reference: ETS 300 141-1 subclause 9.3.2					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U03_001 Group : ServedUserS_T/ChannelReservation/Request/ Purpose : Ensure that the IUT, while in the Call Delivered call state U04 and Idle auxiliary state, to request an explicit reservation sends an ExplicitReservationCreationControl invoke component, in a facility information element in a HOLD message and enters the Hold Request state or in a FACILITY, or INFORMATION message and remains in the same state. Configuration : Default : DF69901(1) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR30401			
2		<IUT!GENERIC_PDU>	GE2(0,CREF)		(1)
3		START TWAIT			
4		L?HOLDr (invkID:= GET_INVOKEID(HOLDr.mun.fie, ercc_i2)) CANCEL TWAIT	A_HL3(0,CREF)	(P)	(2)(3)
5		L!FAC	A_FA8(1,CREF,invkID)		(4)
6		+CS58101(1)			
7		L?HOLDr (invkID:= GET_INVOKEID(HOLDr.mun.fie, ercc_i3)) CANCEL TWAIT	A_HL4(0,CREF)	(P)	(2)(5)
8		L!FAC	A_FA9(1,CREF,invkID,reserInd)		(6)
9		+CS58101(1)			
10		L?FACr (invkID:= GET_INVOKEID(FACr.mun.fie,ercc_ i2)) CANCEL TWAIT	A_FA6(0,CREF)	(P)	(7)(3)
11		L!FAC	A_FA8(1,CREF,invkID)		(4)
12		+LOCAL_TREE			
13		L?FACr (invkID:= GET_INVOKEID(FACr.mun.fie, ercc_i3)) CANCEL TWAIT	A_FA7(0,CREF)	(P)	(7)(5)
14		L!FAC	A_FA9(1,CREF,invkID,reserInd)		(6)
15		+LOCAL_TREE			
16		L?INFor (invkID:= GET_INVOKEID(INFor.mun.fie, ercc_i2)) CANCEL TWAIT	A_IN5(0,CREF)	(P)	(8)(3)
17		L!FAC	A_FA8(1,CREF,invkID)		(4)
18		+LOCAL_TREE			
19		L?INFor (invkID:= GET_INVOKEID(INFor.mun.fie, ercc_i3)) CANCEL TWAIT	A_IN6(0,CREF)	(P)	(8)(5)
20		L!FAC	A_FA9(1,CREF,invkID,reserInd)		(6)
21		+LOCAL_TREE			
22		?TIMEOUT TWAIT		(I)	
23		+PO49901(1)			
		LOCAL_TREE			
24		[RESP]			
25		+CS58001(1)			
26		[NOT RESP]			
27		+CS58031(1)			
Detailed Comments : Reference: ETS 300 141-1 subclause 9.1.1 and ETS 300 196 subclause 10.1.2.1 (1) Request a HOLD, FACILITY or INFO message with ECR Create Control Invoke (2) HOLD received (3) No reservation Indicator requested (4) Respond to Invoke (no reservation indicator) (5) Reservation indicatro requested (6) Respond to Invoke (with reservation indicator) (7) FACILITY received (8) INFORMATION received					

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Test Case Dynamic Behaviour

Detailed Comments : ...

NOTE: Ckeck state can only distinguish between Idle and Call Held if IUT can act as responder.
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Test Case Dynamic Behaviour					
Test Case Name : HOLD_U03_002 Group : ServedUserS_T/ChannelReservation/Request/ Purpose : Ensure that the IUT, while in the Active call state U10 and Idle auxiliary state, to request an explicit reservation sends an ExplicitReservationCreationControl invoke component, in a facility information element in a HOLD message and enters the Hold Request state or in a FACILITY, or INFORMATION message and remains in the same state Configuration : Default : DF69901(1) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR31001			
2		<IUT!GENERIC_PDU>	GE2(1,CREF)		(1)
3		START TWAIT			
4		L?HOLDr (invkID:= GET_INVOKEID(HOLDr.mun.fie, ercc_i2)) CANCEL TWAIT	A_HL3(1,CREF)	(P)	(2)(3)
5		L!FAC	A_FA8(0,CREF,invkID)		(4)
6		+CS58101(0)			
7		L?HOLDr (invkID:= GET_INVOKEID(HOLDr.mun.fie, ercc_i3)) CANCEL TWAIT	A_HL4(1,CREF)	(P)	(2)(5)
8		L!FAC	A_FA9(0,CREF,invkID,reserInd)		(6)
9		+CS58101(0)			
10		L?FACr (invkID:= GET_INVOKEID(FACr.mun.fie,ercc_ i2)) CANCEL TWAIT	A_FA6(1,CREF)	(P)	(7)(3)
11		L!FAC	A_FA8(0,CREF,invkID)		(4)
12		+LOCAL_TREE			
13		L?FACr (invkID:= GET_INVOKEID(FACr.mun.fie, ercc_i3)) CANCEL TWAIT	A_FA7(1,CREF)	(P)	(7)(5)
14		L!FAC	A_FA9(0,CREF,invkID,reserInd)		(6)
15		+LOCAL_TREE			
16		L?INFor (invkID:= GET_INVOKEID(INFor.mun.fie, ercc_i2)) CANCEL TWAIT	A_IN5(1,CREF)	(P)	(8)(3)
17		L!FAC	A_FA8(0,CREF,invkID)		(4)
18		+LOCAL_TREE			
19		L?INFor (invkID:= GET_INVOKEID(INFor.mun.fie, ercc_i3)) CANCEL TWAIT	A_IN6(1,CREF)	(P)	(8)(5)
20		L!FAC	A_FA9(0,CREF,invkID,reserInd)		(6)
21		+LOCAL_TREE			
22		?TIMEOUT TWAIT		(I)	
23		+PO49901(0)			
		LOCAL_TREE			
24		[RESP]			
25		+CS58001(0)			
26		[NOT RESP]			
27		+CS58031(0)			
Detailed Comments : Reference: ETS 300 141-1 subclause 9.1.1 and ETS 300 196 subclause 10.1.2.1 (1) Request a HOLD, FACILITY or INFO message with ECR Create Control Invoke (2) HOLD received (3) No reservation Indicator requested (4) Respond to Invoke (no reservation indicator) (5) Reservation indicatro requested (6) Respond to Invoke (with reservation indicator) (7) FACILITY received (8) INFORMATION received NOTE: Check state can only distinguish between Idle and Call Held if IUT can act as responder.					

Test Case Dynamic Behaviour

Test Case Name : HOLD_U03_003

Group : ServedUserS_T/ChannelReservation/Request/

Purpose : Ensure that the IUT, while in the Call Delivered call state U04 and Call Held auxiliary state to request an explicit reservation sends an ExplicitReservationCreationControl invoke component, in a facility information element in a RETRIEVE message and enters to the Retrieve Request auxiliary state or in a FACILITY, or INFORMATION message and remains in the same state.

Configuration :

Default : DF69901(1)

Comments :

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR30401			
2		+PR38301(1)			
3		<IUT!GENERIC_PDU>	GE3(0,CREF)		(1)
4		START TWAIT			
5		L?RETr (invkID:= GET_INVOKEID(RETr.mun.fie, ercc_i2)) CANCEL TWAIT	A_RT7(0,CREF)	(P)	(2)(3)
6		L!FAC	A_FA8(1,CREF,invkID)		(4)
7		+CS58401(1)			
8		L?RETr (invkID:= GET_INVOKEID(RETr.mun.fie, ercc_i3)) CANCEL TWAIT	A_RT8(0,CREF)	(P)	(2)(5)
9		L!FAC	A_FA9(1,CREF,invkID,reserInd)		(6)
10		+CS58401(1)			
11		L?FACr (invkID:= GET_INVOKEID(FACr.mun.fie,ercc_i2)) CANCEL TWAIT	A_FA6(0,CREF)	(P)	(7)(3)
12		L!FAC	A_FA8(1,CREF,invkID)		(4)
13		+LOCAL_TREE			
14		L?FACr (invkID:= GET_INVOKEID(FACr.mun.fie, ercc_i3)) CANCEL TWAIT	A_FA7(0,CREF)	(P)	(7)(5)
15		L!FAC	A_FA9(1,CREF,invkID,reserInd)		(6)
16		+LOCAL_TREE			
17		L?INFor (invkID:= GET_INVOKEID(INFor.mun.fie, ercc_i2)) CANCEL TWAIT	A_IN5(0,CREF)	(P)	(8)(3)
18		L!FAC	A_FA8(1,CREF,invkID)		(4)
19		+LOCAL_TREE			
20		L?INFor (invkID:= GET_INVOKEID(INFor.mun.fie, ercc_i3)) CANCEL TWAIT	A_IN6(0,CREF)	(P)	(8)(5)
21		L!FAC	A_FA9(1,CREF,invkID,reserInd)		(6)
22		+LOCAL_TREE			
23		?TIMEOUT TWAIT		(I)	
24		+PO49901(1)			
		LOCAL_TREE			
25		[RESP]			
26		+CS58301(1)			
27		[NOT RESP]			
28		+CS58031(1)			

Detailed Comments : Reference: ETS 300 141-1 subclause 9.1.1 and ETS 300 196 subclause 10.1.2.1
 (1) Request a RETRIEVE, FACILITY or INFO message with ECR Create Control Invoke
 (2) RETRIEVE received
 (3) No reservation Indicator requested
 (4) Respond to Invoke (no reservation indicator)
 (5) Reservation indicatro requested
 (6) Respond to Invoke (with reservation indicator)
 (7) FACILITY received

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Test Case Dynamic Behaviour	
Detailed Comments :	... (8) INFORMATION received NOTE: Ckeck state can only distinguish between Idle and Call Held if IUT can act as responder.

Test Case Dynamic Behaviour

Test Case Name : HOLD_U03_004

Group : ServedUserS_T/ChannelReservation/Request/

Purpose : Ensure that the IUT, while in the Active call state U10 and Call Held auxiliary state to request an explicit reservation sends an ExplicitReservationCreationControl invoke component, in a facility information element in a RETRIEVE message and enters to the Retrieve Request auxiliary state or in a FACILITY or INFORMATION message and remains in the same state

Configuration :

Default : DF69901(1)

Comments :

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR31001			
2		+PR38301(0)			
3		<IUT!GENERIC_PDU>	GE3(1,CREF)		(1)
4		START TWAIT			
5		L?RETr (invkID:= GET_INVOKEID(RETr.mun.fie,ercc _i2)) CANCEL TWAIT	A_RT7(1,CREF)	(P)	(2)(3)
6		L!FAC	A_FA8(0,CREF,invkID)		(4)
7		+CS58401(0)			
8		L?RETr (invkID:= GET_INVOKEID(RETr.mun.fie, ercc_i3)) CANCEL TWAIT	A_RT8(1,CREF)	(P)	(2)(5)
9		L!FAC	A_FA9(0,CREF,invkID,reserInd)		(6)
10		+CS58401(0)			
11		L?FACr (invkID:= GET_INVOKEID(FACr.mun.fie, ercc_i2)) CANCEL TWAIT	A_FA6(1,CREF)	(P)	(7)(3)
12		L!FAC	A_FA8(0,CREF,invkID)		(4)
13		+LOCAL_TREE			
14		L?FACr (invkID:= GET_INVOKEID(FACr.mun.fie, ercc_i3)) CANCEL TWAIT	A_FA7(1,CREF)	(P)	(7)(5)
15		L!FAC	A_FA9(0,CREF,invkID,reserInd)		(6)
16		+LOCAL_TREE			
17		L?INFor (invkID:= GET_INVOKEID(INFor.mun.fie, ercc_i2)) CANCEL TWAIT	A_IN5(1,CREF)	(P)	(8)(3)
18		L!FAC	A_FA8(0,CREF,invkID)		(4)
19		+LOCAL_TREE			
20		L?INFor (invkID:= GET_INVOKEID(INFor.mun.fie, ercc_i3)) CANCEL TWAIT	A_IN6(1,CREF)	(P)	(8)(5)
21		L!FAC	A_FA9(0,CREF,invkID,reserInd)		(6)
22		+LOCAL_TREE			
23		?TIMEOUT TWAIT		(I)	
24		+PO49901(0)			
		LOCAL_TREE			
25		[RESP]			
26		+CS58301(0)			
27		[NOT RESP]			
28		+CS58031(0)			

Detailed Comments : Reference: ETS 300 141-1 subclause 9.1.1 and ETS 300 196 subclause 10.1.2.1
 (1) Request a RETRIEVE, FACILITY or INFO message with ECR Create Control Invoke
 (2) RETRIEVE received
 (3) No reservation Indicator requested
 (4) Respond to Invoke (no reservation indicator)
 (5) Reservation indicatro requested
 (6) Respond to Invoke (with reservation indicator)
 (7) FACILITY received
 (8) INFORMATION received

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U04_001 Group : ServedUserS_T/ChannelReservation/Manage/ Purpose : Ensure that the IUT, while in the Call Delivered call state U04 and Call Held auxiliary state to manage an explicit reservation with reservation indicator sends an ExplicitReservationManagement invoke component with the reservation indicator in a facility information element in a RETRIEVE message Configuration : Default : DF69901(1) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR30401			
2		+PR38303(1)			
3		<IUT!RET_PDU>	RT6(0,CREF,reserInd)		(1)
4		START TWAIT			
5		L?RETr (invkID:= GET_INVOKEID(RETr.mun.fie, erm_i3(reserInd))) CANCEL TWAIT	A_RT6(0,CREF,reserInd)	(P)	(2)
6		L!RET_ACK	A_RTA3(1,CREF,bch_num,invkID)		(3)
7		+PO49901(1)			
8		?TIMEOUT TWAIT		(I)	
9		+PO49901(1)			
Detailed Comments : Reference: ETS 300 141-1 subclause 9.1.1 and ETS 300 196 subclause 10.1.2.2 (1) Request a RETRIEVE with ECR management invoke (with reservatoion indiicator) (2) correct RETRIEVE received (3) send RETRIEVE ACK with Return Result					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U04_002 Group : ServedUserS_T/ChannelReservation/Manage/ Purpose : Ensure that the IUT, while in the Call Delivered call state U04 and Call Held auxiliary state to manage an explicit reservation without reservation indicator sends an ExplicitReservationManagement invoke component without reservation indicator in a facility information element in a RETRIEVE message. Configuration : Default : DF69901(1) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR30401			
2		+PR38303(1)			
3		<IUT!RET_PDU>	RT5(0,CREF)		(1)
4		START TWAIT			
5		L?RETr (invkID:= GET_INVOKEID(RETr.mun.fie, erm_i2)) CANCEL TWAIT	A_RT5(0,CREF)	(P)	(2)
6		L!RET_ACK	A_RTA3(1,CREF,bch_num,invkID)		(3)
7		+PO49901(1)			
8		?TIMEOUT TWAIT		(I)	
9		+PO49901(1)			
Detailed Comments : Reference: ETS 300 141-1 subclause 9.1.1 and ETS 300 196 subclause 10.1.2.2 (1) Request a RETRIEVE with ECR management invoke (without reservatoion indiicator) (2) correct RETRIEVE received (3) send RETRIEVE ACK with Return Result					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U04_003 Group : ServedUserS_T/ChannelReservation/Manage/ Purpose : Ensure that the IUT, while in the Active call state U10 and Call Held auxiliary state to manage an explicit reservation with reservation indicator sends an ExplicitReservationManagement invoke component with the reservation indicator in a facility information element in a RETRIEVE message Configuration : Default : DF69901(0) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR31001			
2		+PR38303(0)			
3		<IUT!RET_PDU>	RT6(1,CREF,reserInd)		(1)
4		START TWAIT			
5		L?RETr (invkID:= GET_INVOKEID(RETr.mun.fie, erm_i3(reserInd))) CANCEL TWAIT	A_RT6(1,CREF,reserInd)	(P)	(2)
6		L!RET_ACK	A_RT3(0,CREF,bch_num,invkID)		(3)
7		+PO49901(0)			
8		?TIMEOUT TWAIT		(I)	
9		+PO49901(0)			
Detailed Comments : Reference: ETS 300 141-1 subclause 9.1.1 and ETS 300 196 subclause 10.1.2.2 (1) Request a RETRIEVE with ECR management invoke (with reservatoion indiicator) (2) Correct RETRIEVE received (3) Send RETRIEVE ACK with Return Result					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U04_004 Group : ServedUserS_T/ChannelReservation/Manage/ Purpose : Ensure that the IUT, while in the Active call state U10 and Call Held auxiliary state to manage an explicit reservation without reservation indicator sends an ExplicitReservationManagement invoke component without reservation indicator in a facility information element in a RETRIEVE message. Configuration : Default : DF69901(0) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR31001			
2		+PR38303(0)			
3		<IUT!RET_PDU>	RT5(1,CREF)		(1)
4		START TWAIT			
5		L?RETr (invkID:= GET_INVOKEID(RETr.mun.fie, erm_i2)) CANCEL TWAIT	A_RT5(1,CREF)	(P)	(2)
6		L!RET_ACK	A_RT3(0,CREF,bch_num,invkID)		(3)
7		+PO49901(0)			
8		?TIMEOUT TWAIT		(I)	
9		+PO49901(0)			
Detailed Comments : Reference: ETS 300 141-1 subclause 9.1.1 and ETS 300 196 subclause 10.1.2.2 (1) Request a RETRIEVE with ECR management invoke (without reservation indiicator) (2) correct RETRIEVE received (3) send RETRIEVE ACK with Return Result					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U05_001					
Group : ServedUserS_T/ChannelReservation/Cancel/					
Purpose : Ensure that the IUT, while in the Call Delivered call state U04 and Idle auxiliary state to cancel an explicit reservation with reservation indicator sends an ExplicitReservationCancel invoke component with the reservation indicator in a facility information element in a FACILITY or INFORMATION message.					
Configuration :					
Default : DF69901(1)					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR30401			
2		+PR38003(1)			
3		<IUT!GENERIC_PDU>	GE5(0,CREF,reserInd)		(1)
4		START TWAIT			
5		L?FACr (invkID:= GET_INVOKEID(FACr.mun.fie, erc_i3(reserInd))) CANCEL TWAIT	A_FA11(0,CREF,reserInd)	(P)	(2)
6		L!FAC	A_FA12(1,CREF,invkID)		(3)
7		+PO49901(1)			
8		L?INFor (invkID:= GET_INVOKEID(INFor.mun.fie, erc_i3(reserInd))) CANCEL TWAIT	A_IN8(0,CREF,reserInd)	(P)	(4)
9		L!FAC	A_FA12(1,CREF,invkID)		(3)
10		+PO49901(1)			
11		?TIMEOUT TWAIT		(I)	(5)
12		+PO49901(1)			
Detailed Comments : Reference ETS 300 141-1 subclause 9.1.1 and ETS 300 196 subclause 10.1.2.3 (1) FACILITY or INFORMATION with ECR cancel invoke with reservation indicator (2) Correct FACILITY received (3) Respond to Cancel Invoke with Return Result (4) Correct INFORMATION received (5) No response - inconclusive					

Test Case Dynamic Behaviour

Test Case Name : HOLD_U05_002

Group : ServedUserS_T/ChannelReservation/Cancel/

Purpose : Ensure that the IUT, while in the Call Delivered call state U04 and Idle auxiliary state to cancel an explicit reservation without reservation indicator sends an ExplicitReservationCancel invoke component without reservation indicator in a facility information element in a FACILITY or INFORMATION message.

Configuration :

Default : DF69901(1)

Comments :

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR30401			
2		+PR38002(1)			
3		<IUT!GENERIC_PDU>	GE4(0,CREF)		(1)
4		START TWAIT			
5		L?FACr (invkID:= GET_INVOKEID(FACr.mun.fie, erc_i2)) CANCEL TWAIT	A_FA10(0,CREF)	(P)	(2)
6		L!FAC	A_FA12(1,CREF,invkID)		(3)
7		+PO49901(1)			
8		L?INFor (invkID:= GET_INVOKEID(INFor.mun.fie, erc_i2)) CANCEL TWAIT	A_IN7(0,CREF)	(P)	(4)
9		L!FAC	A_FA12(1,CREF,invkID)		(3)
10		+PO49901(1)			
11		?TIMEOUT TWAIT		(I)	(5)
12		+PO49901(1)			

Detailed Comments : Reference ETS 300 141-1 subclause 9.1.1 and ETS 300 196 subclause 10.1.2.3
 (1) FACILITY or INFORMATION with ECR cancel invoke without reservation indicator
 (2) Correct FACILITY received
 (3) Respond to Cancel Invoke with Return Result
 (4) Correct INFORMATION received
 (5) No response - inconclusive

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U05_003 Group : ServedUserS_T/ChannelReservation/Cancel/ Purpose : Ensure that the IUT, while in the Active call state U10 and Idle auxiliary state to cancel an explicit reservation with reservation indicator sends an ExplicitReservationCancel invoke component with the reservation indicator in a facility information element in a FACILITY or INFORMATION message. Configuration : Default : DF69901(0) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR31001			
2		+PR38003(0)			
3		<IUT!GENERIC_PDU>	GE5(1,CREF,reserInd)		(1)
4		START TWAIT			
5		L?FACr (invkID:= GET_INVOKEID(FACr.mun.fie, erc_i3(reserInd))) CANCEL TWAIT	A_FA11(1,CREF,reserInd)	(P)	(2)
6		L!FAC	A_FA12(0,CREF,invkID)		(3)
7		+PO49901(0)			
8		L?INFor (invkID:= GET_INVOKEID(INFor.mun.fie, erc_i3(reserInd))) CANCEL TWAIT	A_IN8(1,CREF,reserInd)	(P)	(4)
9		L!FAC	A_FA12(0,CREF,invkID)		(3)
10		+PO49901(0)			
11		?TIMEOUT TWAIT		(I)	(5)
12		+PO49901(0)			
Detailed Comments : Reference ETS 300 141-1 subclause 9.1.1 and ETS 300 196 subclause 10.1.2.3 (1) FACILITY or INFORMATION with ECR cancel invoke with reservation indicator (2) Correct FACILITY received (3) Respond to Cancel Invoke with Return Result (4) Correct INFORMATION received (5) No response - inconclusive					

Test Case Dynamic Behaviour

Test Case Name : HOLD_U05_004

Group : ServedUserS_T/ChannelReservation/Cancel/

Purpose : Ensure that the IUT, while in the Active call state U10 and Idle auxiliary state to cancel an explicit reservation without reservation indicator sends an ExplicitReservationCancel invoke component without reservation indicator in a FACILITY information element in a FACILITY or INFORMATION message.

Configuration :

Default : DF69901(1)

Comments :

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR31001			
2		+PR38002(0)			
3		<IUT!GENERIC_PDU>	GE4(1,CREF)		(1)
4		START TWAIT			
5		L?FACr (invkID:= GET_INVOKEID(FACr.mun.fie, erc_i2)) CANCEL TWAIT	A_FA10(1,CREF)	(P)	(2)
6		L!FAC	A_FA12(0,CREF,invkID)		(3)
7		+PO49901(0)			
8		L?INFor (invkID:= GET_INVOKEID(INFor.mun.fie, erc_i2)) CANCEL TWAIT	A_IN7(1,CREF)	(P)	(4)
9		L!FAC	A_FA12(0,CREF,invkID)		(3)
10		+PO49901(0)			
11		?TIMEOUT TWAIT		(I)	(5)
12		+PO49901(0)			

Detailed Comments : Reference ETS 300 141-1 subclause 9.1.1 and ETS 300 196 subclause 10.1.2.3
 (1) FACILITY or INFORMATION with ECR cancel invoke without reservation indicator
 (2) Correct FACILITY received
 (3) Respond to Cancel Invoke with Return Result
 (4) Correct INFORMATION received
 (5) No response - inconclusive

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U05_005 Group : ServedUserS_T/ChannelReservation/Cancel/ Purpose : Ensure that the IUT, while in the Call Delivered call state U04 and Idle auxiliary state to cancel an explicit reservation with reservation indicator sends an ExplicitReservationCancel invoke component with the reservation indicator in a facility information element in a HOLD message and enters the Hold Request auxiliary state. Configuration : Default : DF69901(1) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR30401			
2		+PR38003(1)			
3		<IUT!HOLD_PDU>	HL6(0,CREF,reserInd)		(1)
4		START TWAIT			
5		L?HOLDr (invkID:= GET_INVOKEID(HOLDr.mun.fie, erc_i3(reserInd))) CANCEL TWAIT	A_HL6(0,CREF,reserInd)	(P)	(2)
6		L!FAC	A_FA12(1,CREF,invkID)		(3)
7		+CS58101(1)			
8		?TIMEOUT TWAIT		(I)	(4)
9		+PO49901(1)			
Detailed Comments : Reference ETS 300 141-1 subclause 9.1.1 and ETS 300 196 subclause 10.1.2.3 (1) HOLD with ECR cancel invoke with reservation indicator (2) Correct HOLD received (3) Respond to Cancel Invoke with Return Result (4) No response - inconclusive					

Test Case Dynamic Behaviour

Test Case Name : HOLD_U05_006

Group : ServedUserS_T/ChannelReservation/Cancel/

Purpose : Ensure that the IUT, while in the Call Delivered call state U04 and Idle auxiliary state to cancel an explicit reservation without reservation indicator sends an ExplicitReservationCancel invoke component without reservation indicator in a facility information element in a HOLD message and enters the Hold Request auxiliary state.

Configuration :

Default : DF69901(1)

Comments :

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR30401			
2		+PR38002(1)			
3		<IUT!HOLD_PDU>	HL5(0,CREF)		(1)
4		START TWAIT			
5		L?HOLDr (invkID:= GET_INVOKEID(HOLDr.mun.fie, erc_i2)) CANCEL TWAIT	A_HL5(0,CREF)	(P)	(2)
6		L!FAC	A_FA12(1,CREF,invkID)		(3)
7		+CS58101(1)			
8		?TIMEOUT TWAIT		(I)	(4)
9		+PO49901(1)			

Detailed Comments : Reference ETS 300 141-1 subclause 9.1.1 and ETS 300 196 subclause 10.1.2.3
 (1) HOLD with ECR cancel invoke without reservation indicator
 (2) Correct HOLD received
 (3) Respond to Cancel Invoke with Return Result
 (4) No response - inconclusive

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U05_007 Group : ServedUserS_T/ChannelReservation/Cancel/ Purpose : Ensure that the IUT, while in the Active call state U10 and Idle auxiliary state to cancel an explicit reservation with reservation indicator sends an ExplicitReservationCancel invoke component with the reservation indicator in a facility information element in a HOLD message and enters the Hold Request auxiliary state. Configuration : Default : DF69901(0) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR31001			
2		+PR38003(0)			
3		<IUT!HOLD_PDU>	HL6(1,CREF,reserInd)		(1)
4		START TWAIT			
5		L?HOLDr (invkID:= GET_INVOKEID(HOLDr.mun.fie, erc_i3(reserInd))) CANCEL TWAIT	A_HL6(1,CREF,reserInd)	(P)	(2)
6		L!FAC	A_FA12(0,CREF,invkID)		(3)
7		+CS58101(0)			
8		?TIMEOUT TWAIT		(I)	(5)
9		+PO49901(0)			
Detailed Comments : Reference ETS 300 141-1 subclause 9.1.1 and ETS 300 196 subclause 10.1.2.3 (1) HOLD with ECR cancel invoke with reservation indicator (2) Correct HOLD received (3) Respond to Cancel Invoke with Return Result (4) No response - inconclusive					

Test Case Dynamic Behaviour

Test Case Name : HOLD_U05_008

Group : ServedUserS_T/ChannelReservation/Cancel/

Purpose : Ensure that the IUT, while in the Active call state U10 and Idle auxiliary state to cancel an explicit reservation without reservation indicator sends an ExplicitReservationCancel invoke component without reservation indicator in a facility information element in a HOLD message and enters the Hold Request auxiliary state.

Configuration :

Default : DF69901(1)

Comments :

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR31001			
2		+PR38002(0)			
3		<IUT!HOLD_PDU>	HL5(1,CREF)		(1)
4		START TWAIT			
5		L?HOLDr (invkID:= GET_INVOKEID(HOLDr.mun.fie, erc_i2)) CANCEL TWAIT	A_HL5(1,CREF)	(P)	(2)
6		L!FAC	A_FA12(0,CREF,invkID)		(3)
7		+CS58101(0)			
8		?TIMEOUT TWAIT		(I)	(4)
9		+PO49901(0)			

Detailed Comments : Reference ETS 300 141-1 subclause 9.1.1 and ETS 300 196 subclause 10.1..2.3
 (1) HOLD with ECR cancel invoke without reservation indicator
 (2) Correct HOLD received
 (3) Respond to Cancel Invoke with Return Result
 (4) No response - inconclusive

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U05_009 Group : ServedUserS_T/ChannelReservation/Cancel/ Purpose : Ensure that the IUT, while in the Call Delivered call state U04 and Call Held auxiliary state to cancel an explicit reservation with reservation indicator sends an ExplicitReservationCancel invoke component with the reservation indicator in a facility information element in a RETRIEVE, FACILITY or INFORMATION message. Configuration : Default : DF69901(1) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR30401			
2		+PR38303(1)			
3		<IUT!GENERIC_PDU>	GE7(0,CREF,reserInd)		(1)
4		START TWAIT			
5		L?FACr (invkID:= GET_INVOKEID(FACr.mun.fie, erc_i3(reserInd))) CANCEL TWAIT	A_FA11(0,CREF,reserInd)	(P)	(2)
6		L!FAC	A_FA12(1,CREF,invkID)		(3)
7		+PO49901(1)			
8		L?INFor (invkID:= GET_INVOKEID(INFor.mun.fie, erc_i3(reserInd))) CANCEL TWAIT	A_IN8(0,CREF,reserInd)	(P)	(4)
9		L!FAC	A_FA12(1,CREF,invkID)		(3)
10		+PO49901(1)			
11		L?RETr (invkID:= GET_INVOKEID(RETr.mun.fie, erc_i3(reserInd))) CANCEL TWAIT	A_RT12(0,CREF,reserInd)	(P)	(5)
12		L!FAC	A_FA12(1,CREF,invkID)		(3)
13		+PO49901(1)			
14		?TIMEOUT TWAIT		(I)	(6)
15		+PO49901(1)			
Detailed Comments : Reference ETS 300 141-1 subclause 9.1.1 and ETS 300 196 subclause 10.1.2.3 (1) RETRIEVE, FACILITY or INFORMATION with ECR cancel invoke with reservation indicator (2) Correct FACILITY received (3) Respond to Cancel Invoke with Return Result (4) Correct INFORMATION received (5) Correct RETRIEVE received (6) No response - inconclusive					

Test Case Dynamic Behaviour

Test Case Name : HOLD_U05_010

Group : ServedUserS_T/ChannelReservation/Cancel/

Purpose : Ensure that the IUT, while in the Call Delivered call state U04 and Call Held auxiliary state to cancel an explicit reservation without reservation indicator sends an ExplicitReservationCancel invoke component without reservation indicator in a facility information element in a RETRIEVE, FACILITY or INFORMATION message.

Configuration :

Default : DF69901(1)

Comments :

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR30401			
2		+PR38302(1)			
3		<IUT!GENERIC_PDU>	GE6(0,CREF)		(1)
4		START TWAIT			
5		L?FACr (invkID:= GET_INVOKEID(FACr.mun.fie, erc_i2)) CANCEL TWAIT	A_FA10(0,CREF)	(P)	(2)
6		L!FAC	A_FA12(1,CREF,invkID)		(3)
7		+PO49901(1)			
8		L?INFor (invkID:= GET_INVOKEID(INFor.mun.fie, erc_i2)) CANCEL TWAIT	A_IN7(0,CREF)	(P)	(4)
9		L!FAC	A_FA12(1,CREF,invkID)		(3)
10		+PO49901(1)			
11		L?RETr (invkID:= GET_INVOKEID(RETr.mun.fie, erc_i2)) CANCEL TWAIT	A_RT11(0,CREF)	(P)	(5)
12		L!FAC	A_FA12(1,CREF,invkID)		(3)
13		+PO49901(1)			
14		?TIMEOUT TWAIT		(I)	(6)
15		+PO49901(1)			

Detailed Comments : Reference ETS 300 141-1 subclause 9.1.1 and ETS 300 196 subclause 10.1.2.3
 (1) RETRIEVE, FACILITY or INFORMATION with ECR cancel invoke without reservation indicator
 (2) Correct FACILITY received
 (3) Respond to Cancel Invoke with Return Result
 (4) Correct INFORMATION received
 (5) Correct RETRIEVE received
 (6) No response - inconclusive

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U05_011 Group : ServedUserS_T/ChannelReservation/Cancel/ Purpose : Ensure that the IUT, while in the Active call state U10 and Call Held auxiliary state to cancel an explicit reservation with reservation indicator sends an ExplicitReservationCancel invoke component with the reservation indicator in a facility information element in a RETRIEVE, FACILITY or INFORMATION message. Configuration : Default : DF69901(0) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR31001			
2		+PR38303(0)			
3		<IUT!GENERIC_PDU>	GE7(1,CREF,reserInd)		(1)
4		START TWAIT			
5		L?FACr (invkID:= GET_INVOKEID(FACr.mun.fie, erc_i3(reserInd))) CANCEL TWAIT	A_FA11(1,CREF,reserInd)	(P)	(2)
6		L!FAC	A_FA12(0,CREF,invkID)		(3)
7		+PO49901(0)			
8		L?INFor (invkID:= GET_INVOKEID(INFor.mun.fie, erc_i3(reserInd))) CANCEL TWAIT	A_IN8(1,CREF,reserInd)	(P)	(4)
9		L!FAC	A_FA12(0,CREF,invkID)		(3)
10		+PO49901(0)			
11		L?RETr (invkID:= GET_INVOKEID(RETr.mun.fie, erc_i3(reserInd))) CANCEL TWAIT	A_RT12(1,CREF,reserInd)	(P)	(5)
12		L!FAC	A_FA12(0,CREF,invkID)		(3)
13		+PO49901(0)			
14		?TIMEOUT TWAIT		(I)	(6)
15		+PO49901(0)			
Detailed Comments : Reference ETS 300 141-1 subclause 9.1.1 and ETS 300 196 subclause 10.1.2.3 (1) RETRIEVE, FACILITY or INFORMATION with ECR cancel invoke with reservation indicator (2) Correct FACILITY received (3) Respond to Cancel Invoke with Return Result (4) Correct INFORMATION received (5) Correct RETRIEVE received (6) No response - inconclusive					

Test Case Dynamic Behaviour

Test Case Name : HOLD_U05_012

Group : ServedUserS_T/ChannelReservation/Cancel/

Purpose : Ensure that the IUT, while in the Active call state U10 and Call held auxiliary state to cancel an explicit reservation without reservation indicator sends an ExplicitReservationCancel invoke component without reservation indicator in a facility information element in a RETRIEVE, FACILITY or INFORMATION message.

Configuration :

Default : DF69901(1)

Comments :

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR31001			
2		+PR38302(0)			
3		<IUT!GENERIC_PDU>	GE6(1,CREF)		(1)
4		START TWAIT			
5		L?FACr (invkID:= GET_INVOKEID(FACr.mun.fie, erc_i2)) CANCEL TWAIT	A_FA10(1,CREF)	(P)	(2)
6		L!FAC	A_FA12(0,CREF,invkID)		(3)
7		+PO49901(0)			
8		L?INFor (invkID:= GET_INVOKEID(INFor.mun.fie, erc_i2)) CANCEL TWAIT	A_IN7(1,CREF)	(P)	(4)
9		L!FAC	A_FA12(0,CREF,invkID)		(3)
10		+PO49901(0)			
11		L?RETr (invkID:= GET_INVOKEID(RETr.mun.fie, erc_i2)) CANCEL TWAIT	A_RT11(0,CREF)	(P)	(5)
12		L!FAC	A_FA12(1,CREF,invkID)		(3)
13		+PO49901(1)			
14		?TIMEOUT TWAIT		(I)	(5)
15		+PO49901(0)			

Detailed Comments : Reference ETS 300 141-1 subclause 9.1.1 and ETS 300 196 subclause 10.1.2.3
 (1) RETRIEVE, FACILITY or INFORMATION with ECR cancel invoke without reservation indicator
 (2) Correct FACILITY received
 (3) Respond to Cancel Invoke with Return Result
 (4) Correct INFORMATION received
 (5) Correct RETRIEVE received
 (6) No response - inconclusive

Test Case Dynamic Behaviour

Test Case Name : HOLD_U06_001

Group : ServedUserS_T/ChannelReservation/ReceiptOfRR/

Purpose : Ensure that the IUT, while in the Call Delivered call state U04 and Hold Request auxiliary state receiving a HOLD ACKNOWLEDGE message with an ExplicitReservationCreationControl return result component in a Facility information element does not send a message with the ExplicitReservationCreationControl reject component in a Facility information element.

Configuration :

Default : DF69901(1)

Comments :

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR30401			
2		+PR38104(1)			
3		[NOT resInd_Used]			
4		L!HOLD_ACK START TNOAC	A_HA4(1,CREF,invkID)		(1)
5		+LOCAL_TREE			
6		[resInd_Used]			
7		L!HOLD_ACK START TNOAC	A_HA5(1,CREF,invkID,reserInd)		(2)
8		+LOCAL_TREE			
		LOCAL_TREE			
9		L?GENERICr CANCEL TNOAC	A_GE1(0,CREF,invkID)	(F)	(3)
10		+PO49901(1)			
11		?TIMEOUT TNOAC		(P)	
12		+PO49901(1)			

Detailed Comments : Reference ETS 300 141-1 subclause 9.1.1 and ETS 300 196 subclause 8.2.2.2
 (1) HOLD ACKNOWLEDGE with ECR Creation Control Return Result without reservation indicator.
 (2) HOLD ACKNOWLEDGE with ECR Creation Control Return Result with reservation indicator.
 (3) Any message containing RejectComponent with InvokeID the same as in the Return Result.

Test Case Dynamic Behaviour

Test Case Name : HOLD_U06_002

Group : ServedUserS_T/ChannelReservation/ReceiptOfRR/

Purpose : Ensure that the IUT, while in the Active call state U10 and Hold Request auxiliary state receiving a HOLD ACKNOWLEDGE message with an ExplicitReservationCreationControl return result component in a Facility information element does not send a message with the ExplicitReservationCreationControl reject component in a Facility information element.

Configuration :

Default : DF69901(0)

Comments :

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR31001			
2		+PR38104(0)			
3		[NOT resInd_Used]			
4		L!HOLD_ACK START TNOAC	A_HA4(0,CREF,invkID)		(1)
5		+LOCAL_TREE			
6		[resInd_Used]			
7		L!HOLD_ACK START TNOAC	A_HA5(0,CREF,invkID,reserInd)		(2)
8		+LOCAL_TREE			
		LOCAL_TREE			
9		L?GENERICr CANCEL TNOAC	A_GE1(1,CREF,invkID)	(F)	(3)
10		+PO49901(0)			
11		?TIMEOUT TNOAC		(P)	
12		+PO49901(0)			

Detailed Comments : Reference ETS 300 141-1 subclause 9.1.1 and ETS 300 196 subclause 8.2.2.2
 (1) HOLD ACKNOWLEDGE with ECR Creation Control Return Result without reservation indicator.
 (2) HOLD ACKNOWLEDGE with ECR Creation Control Return Result with reservation indicator.
 (3) Any message containing RejectComponent with InvokeID the same as in the Return Result.

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U06_003 Group : ServedUserS_T/ChannelReservation/ReceiptOfRR/ Purpose : Ensure that the IUT, while in the Call Delivered call state U04 and Retrieve Request auxiliary state receiving a RETRIEVE ACKNOWLEDGE message with an ExplicitReservationCreationControl return result component in a Facility information element does not send a message with the ExplicitReservationCreationControl reject component in a Facility information element. Configuration : Default : DF69901(1) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR30401			
2		+PR38404(1)			
3		[NOT resInd_Used]			
4		L!RET_ACK START TNOAC	A_RTA4(1,CREF,bch_num,invkID)		(1)
5		+LOCAL_TREE			
6		[resInd_Used]			
7		L!RET_ACK START TNOAC	A_RTA5(1,CREF,bch_num,invkID, reserInd)		(2)
8		+LOCAL_TREE			
		LOCAL_TREE			
9		L?GENERICr CANCEL TNOAC	A_GE1(0,CREF,invkID)	(F)	(3)
10		+PO49901(1)			
11		?TIMEOUT TNOAC		(P)	
12		+PO49901(1)			
Detailed Comments : Reference ETS 300 141-1 subclause 9.1.1 and ETS 300 196 subclause 8.2.2.2 (1) RETRIEVE ACKNOWLEDGE with ECR Creation Control Return Result without reservation indicator. (2) RETRIEVE ACKNOWLEDGE with ECR Creation Control Return Result with reservation indicator. (3) Any message containing RejectComponent with InvokeID the same as in the Return Result.					

Test Case Dynamic Behaviour

Test Case Name : HOLD_U06_004

Group : ServedUserS_T/ChannelReservation/ReceiptOfRR/

Purpose : Ensure that the IUT, while in the Active call state U10 and Retrieve Request auxiliary state receiving a RETRIEVE ACKNOWLEDGE message with an ExplicitReservationCreationControl return result component in a Facility information element does not send a message with the ExplicitReservationCreationControl reject component in a Facility information element

Configuration :

Default : DF69901(0)

Comments :

Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR31001			
2		+PR38404(0)			
3		[NOT resInd_Used]			
4		L!RET_ACK START TNOAC	A_RTA4(0,CREF,bch_num,invkID)		(1)
5		+LOCAL_TREE			
6		[resInd_Used]			
7		L!RET_ACK START TNOAC	A_RTA5(0,CREF,bch_num,invkID, reserInd)		(2)
8		+LOCAL_TREE			
		LOCAL_TREE			
9		L?GENERICr CANCEL TNOAC	A_GE1(1,CREF,invkID)	(F)	(3)
10		+PO49901(0)			
11		?TIMEOUT TNOAC		(P)	
12		+PO49901(0)			

Detailed Comments : Reference ETS 300 141-1 subclause 9.1.1 and ETS 300 196 subclause 8.2.2.2
 (1) RETRIEVE ACKNOWLEDGE with ECR Creation Control Return Result without reservation indicator.
 (2) RETRIEVE ACKNOWLEDGE with ECR Creation Control Return Result with reservation indicator.
 (3) Any message containing RejectComponent with InvokeID the same as in the Return Result.

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U06_005 Group : ServedUserS_T/ChannelReservation/ReceiptOfRR/ Purpose : Ensure that the IUT, while in the Call Delivered call state U04 and Retrieve Request auxiliary state, receiving a RETRIEVE ACKNOWLEDGE message with an ExplicitReservationManagement return result component in a Facility information element does not send a message with the ExplicitReservationManagement reject component in a Facility information element Configuration : Default : DF69901(1) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR30401			
2		+PR38405(1)			
3		L!RET_ACK START TNOAC	A_RTA3(1,CREF,bch_num,invkID)		(1)
4		L?GENERICr CANCEL TNOAC	A_GE1(0,CREF,invkID)	(F)	(2)
5		+PO49901(1)			
6		?TIMEOUT TNOAC		(P)	
7		+PO49901(1)			
Detailed Comments : Reference ETS 300 141-1 subclause 9.1.1 and ETS 300 196 subclause 8.2.2.2 (1) RETRIEVE ACKNOWLEDGE with ECR Management Return Result (2) Any message containing RejectComponent with InvokeID the same as in the Return Result.					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U06_006 Group : ServedUserS_T/ChannelReservation/ReceiptOfRR/ Purpose : Ensure that the IUT, while in the Active call state U10 and Retrieve Request auxiliary state, receiving a RETRIEVE ACKNOWLEDGE message with an ExplicitReservationManagement return result component in a Facility information element does not send a message with the ExplicitReservationManagement reject component in a Facility information element. Configuration : Default : DF69901(0) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR31001			
2		+PR38405(0)			
3		L!RET_ACK START TNOAC	A_RTA3(0,CREF,bch_num,invkID)		(1)
4		L?GENERICr CANCEL TNOAC	A_GE1(1,CREF,invkID)	(F)	(2)
5		+PO49901(0)			
6		?TIMEOUT TNOAC		(P)	
7		+PO49901(0)			
Detailed Comments : Reference ETS 300 141-1 subclause 9.1.1 and ETS 300 196 subclause 8.2.2.2 (1) RETRIEVE ACKNOWLEDGE with ECR Management Return Result (2) Any message containing RejectComponent with InvokeID the same as in the Return Result.					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U06_007 Group : ServedUserS_T/ChannelReservation/ReceiptOfRR/ Purpose : Ensure that the IUT, while in the Call Delivered call state U04 and Hold Request auxiliary state, receiving a HOLD ACKNOWLEDGE message with an ExplicitReservationCancel return result component in a Facility information element does not send a message with the ExplicitReservationCancel reject component in a Facility information element Configuration : Default : DF69901(1) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR30401			
2		+PR38106(1)			
3		L!HOLD_ACK START TNOAC	A_HA3(1,CREF,invkID)		(1)
4		L?GENERICr CANCEL TNOAC	A_GE1(0,CREF,invkID)	(F)	(2)
5		+PO49901(1)			
6		?TIMEOUT TNOAC		(P)	
7		+PO49901(1)			
Detailed Comments : Reference ETS 300 141-1 subclause 9.1.1 and ETS 300 196 subclause 8.2.2.2 (1) HOLD ACKNOWLEDGE with ECR Cancel Return Result (2) Any message containing RejectComponent with InvokeID the same as in the Return Result.					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U06_008 Group : ServedUserS_T/ChannelReservation/ReceiptOfRR/ Purpose : Ensure that the IUT, while in the Active call state U10 and Hold Request auxiliary state, receiving a HOLD ACKNOWLEDGE message with an ExplicitReservationCancel return result component in a Facility information element does not send a message with the ExplicitReservationCancel reject component in a Facility information element. Configuration : Default : DF69901(0) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR31001			
2		+PR38106(0)			
3		L!HOLD_ACK START TNOAC	A_HA3(0,CREF,invkID)		(1)
4		L?GENERICr CANCEL TNOAC	A_GE1(1,CREF,invkID)	(F)	(2)
5		+PO49901(0)			
6		?TIMEOUT TNOAC		(P)	
7		+PO49901(0)			
Detailed Comments : Reference ETS 300 141-1 subclause 9.1.1 and ETS 300 196 subclause 8.2.2.2 (1) HOLD ACKNOWLEDGE with ECR Cancel Return Result (2) Any message containing RejectComponent with InvokeID the same as in the Return Result.					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U06_009 Group : ServedUserS_T/ChannelReservation/ReceiptOfRR/ Purpose : Ensure that the IUT, while in the Call Delivered call state U04 and Retrieve Request auxiliary state, receiving a RETRIEVE ACKNOWLEDGE message with an ExplicitReservationCancel return result component in a Facility information element does not send a message with the ExplicitReservationCancel reject component in a Facility information element Configuration : Default : DF69901(1) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR30401			
2		+PR38406(1)			
3		L!RET_ACK START TNOAC	A_RTA6(1,CREF,bch_num,invkID)		(1)
4		L?GENERICr CANCEL TNOAC	A_GE1(0,CREF,invkID)	(F)	(2)
5		+PO49901(1)			
6		?TIMEOUT TNOAC		(P)	
7		+PO49901(1)			
Detailed Comments : Reference ETS 300 141-1 subclause 9.1.1 and ETS 300 196 subclause 8.2.2.2 (1) RETRIEVE ACKNOWLEDGE with ECR Cancel Return Result (2) Any message containing RejectComponent with InvokeID the same as in the Return Result.					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U06_010 Group : ServedUserS_T/ChannelReservation/ReceiptOfRR/ Purpose : Ensure that the IUT, while in the Call Delivered call state U04 and Retrieve Request auxiliary state, receiving a RETRIEVE ACKNOWLEDGE message with an ExplicitReservationCancel return result component in a Facility information element does not send a message with the ExplicitReservationCancel reject component in a Facility information element Configuration : Default : DF69901(0) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR31001			
2		+PR38406(0)			
3		L!RET_ACK START TNOAC	A_RTA6(0,CREF,bch_num,invkID)		(1)
4		L?GENERICr CANCEL TNOAC	A_GE1(1,CREF,invkID)	(F)	(2)
5		+PO49901(0)			
6		?TIMEOUT TNOAC		(P)	
7		+PO49901(0)			
Detailed Comments : Reference ETS 300 141-1 subclause 9.1.1 and ETS 300 196 subclause 8.2.2.2 (1) RETRIEVE ACKNOWLEDGE with ECR Cancel Return Result (2) Any message containing RejectComponent with InvokeID the same as in the Return Result.					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U07_001 Group : ServedUserS_T/Timers/ Purpose : Ensure that the IUT, while in the Call Delivered call state U04 and entering the Hold Request auxiliary state, receiving no HOLD ACKNOWLEDGE or HOLD REJECT message before the expiry of the timer T-HOLD, enters the Idle auxiliary state. Configuration : Default : DF69901(1) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR30401			
2		+PR38101(1)			
3		START T_HOLDMAX			
4		?TIMEOUT T_HOLDMAX			
5		[RESP]			
6		+CS58001(1)			
7		[NOT RESP]			
8		+CS58031(1)			
Detailed Comments : Reference: ETS 300 141-1 Clause 13 NOTE: Ckeck state can only distinguish between Idle and Call Held if IUT can act as responder.					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U07_002 Group : ServedUserS_T/Timers/ Purpose : Ensure that the IUT, while in the Call Delivered call state U04 and entering the Retrieve Request auxiliary state, receiving no RETRIEVE ACKNOWLEDGE or RETRIEVE REJECT message before the expiry of the timer T-RETRIEVE, enters the Call Held auxiliary state. Configuration : Default : DF69901(1) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR30401			
2		+PR38401(1)			
3		START T_RETRIEVEMAX			
4		?TIMEOUT T_RETRIEVEMAX			
5		[RESP]			
6		+CS58301(1)			
7		[NOT RESP]			
8		+CS58031(0)			
Detailed Comments : Reference: ETS 300 141-1 Clause 13 NOTE: Ckeck state can only distinguish between Idle and Call Held if IUT can act as responder.					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U07_003 Group : ServedUserS_T/Timers/ Purpose : Ensure that the IUT, while in the Active call state U10 and entering the Hold Request auxiliary state, receiving no HOLD ACKNOWLEDGE or HOLD REJECT message before the expiry of the timer T-HOLD, does not release the B-channel and remains in the Active call state. Configuration : Default : DF69901(1) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR31001			
2		+PR38101(0)			
3		START T_HOLDMAX			
4		?TIMEOUT T_HOLDMAX			
5		+CS57101(0)			(1)
6		+CS59901(10,0)			(2)
Detailed Comments : Reference: ETS 300 141-1 Subclauses 9.1.1 and 13 (1) Check that IUT has not released the B-channel (2) Check that the IUT is in state U10					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U07_004 Group : ServedUserS_T/Timers/ Purpose : Ensure that the IUT, while in the Active call state U10 and entering the Retrieve Request auxiliary state, receiving no RETRIEVE ACKNOWLEDGE or RETRIEVE REJECT message before the expiry of the timer T-RETRIEVE, does not connect to the B-channel and remains in the Active call state. Configuration : Default : DF69901(1) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR31001			
2		+PR38401(1)			
3		START T_RETRIEVEMAX			
4		?TIMEOUT T_RETRIEVEMAX			
5		+CS57001(0)			(1)
6		+CS59901(10,0)			(2)
Detailed Comments : Reference: ETS 300 141-1 Subclauses 9.3.1 and 13 (1) Check that the IUT has not connected to the B-channel (2) Check that the IUT is in state U10					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U08_001					
Group : RemoteUser/					
Purpose : Ensure that the IUT in the Active call state U10 receiving a NOTIFY message with a notification indicator information element coded as "remote hold" does not respond and remains in the same state.					
Configuration :					
Default : DF69901(0)					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR31001	A_NO4(CREF)	(P)	
2		L!NOTIFY START TNOAC			
3		?TIMEOUT TNOAC			
4		+CS59901(10,0)			
Detailed Comments : Reference: ETS 300 141-1 subclauses 9.2.1 and 10.2.1					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U08_002					
Group : RemoteUser/					
Purpose : Ensure that the IUT in the Active call state U10 receiving a FACILITY message with a notification indicator information element coded as "remote hold" does not respond and remains in the same state.					
Configuration :					
Default : DF69901(0)					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR31001	A_FA2(CREF)	(P)	
2		L!FAC START TNOAC			
3		?TIMEOUT TNOAC			
4		+CS59901(10,0)			
Detailed Comments : Reference: ETS 300 141-1 subclauses 9.2.1 and 10.2.1					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U08_003					
Group : RemoteUser/					
Purpose : Ensure that the IUT in the Call Received call state U07 receiving a NOTIFY message with a notification indicator information element coded as "remote hold" does not respond and remains in the same state.					
Configuration :					
Default : DF69901(0)					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR30701	A_NO4(CREF)	(P)	
2		L!NOTIFY START TNOAC			
3		?TIMEOUT TNOAC			
4		+CS59901(7,0)			
Detailed Comments : Reference: ETS 300 141-1 subclauses 9.2.1 and 10.2.1					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U08_004					
Group : RemoteUser/					
Purpose : Ensure that the IUT in the Call Received call state U07 receiving a FACILITY message with a notification indicator information element coded as "remote hold" does not respond and remains in the same state.					
Configuration :					
Default : DF69901(0)					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR30701	A_FA2(CREF)	(P)	
2		L!FAC START TNOAC			
3		?TIMEOUT TNOAC			
4		+CS59901(7,0)			
Detailed Comments : Reference: ETS 300 141-1 subclauses 9.2.1 and 10.2.1					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U08_005					
Group : RemoteUser/					
Purpose : Ensure that the IUT in the Active call state U10 receiving a NOTIFY message with a notification indicator information element coded as "remote retrieval" does not respond and remains in the same state.					
Configuration :					
Default : DF69901(0)					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR31001	A_NO5(CREF)	(P)	
2		L!NOTIFY START TNOAC			
3		?TIMEOUT TNOAC			
4		+CS59901(10,0)			
Detailed Comments : Reference: ETS 300 141-1 subclauses 9.2.1 and 10.2.1					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U08_006					
Group : RemoteUser/					
Purpose : Ensure that the IUT in the Active call state U10 receiving a FACILITY message with a notification indicator information element coded as "remote retrieval" does not respond and remains in the same state.					
Configuration :					
Default : DF69901(0)					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR31001	A_FA3(CREF)	(P)	
2		L!FAC START TNOAC			
3		?TIMEOUT TNOAC			
4		+CS59901(10,0)			
Detailed Comments : Reference: ETS 300 141-1 subclauses 9.2.1 and 10.2.1					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U08_007					
Group : RemoteUser/					
Purpose : Ensure that the IUT in the Call Received call state U07 receiving a NOTIFY message with a notification indicator information element coded as "remote retrieval" does not respond and remains in the same state.					
Configuration :					
Default : DF69901(0)					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR30701	A_NO5(CREF)	(P)	
2		L!NOTIFY START TNOAC			
3		?TIMEOUT TNOAC			
4		+CS59901(7,0)			
Detailed Comments : Reference: ETS 300 141-1 subclauses 9.2.1 and 10.2.1					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U08_008					
Group : RemoteUser/					
Purpose : Ensure that the IUT in the Call Received call state U07 receiving a FACILITY message with a notification indicator information element coded as "remote retrieval" does not respond and remains in the same state.					
Configuration :					
Default : DF69901(0)					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR30701	A_FA3(CREF)	(P)	
2		L!FAC START TNOAC			
3		?TIMEOUT TNOAC			
4		+CS59901(7,0)			
Detailed Comments : Reference: ETS 300 141-1 subclauses 9.2.1 and 10.2.1					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U09_001					
Group : ServedUserT/					
Purpose : Ensure that the IUT in the Active call state U10 and the served user has reached the Call Held state sends a notification indicator information element coded as "remote hold" in a NOTIFY or FACILITY message.					
Configuration :					
Default : DF69901(0)					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR31001			(1)
2		<IUT!NOTIFY_PDU>	NO6(CREF)		
3		START TWAIT			
4		L? NOTIFYr CANCEL TWAIT	A_NO6(CREF)	(P)	
5		+PO49901(0)			
6		L?FACr CANCEL TWAIT	A_FA4(CREF)	(P)	
7		+PO49901(0)			
8		?TIMEOUT TWAIT		(I)	
9		+PO49901(0)			
Detailed Comments : (1) This implicit send means "Hold the call at the S reference point" Reference: ETS 300 141-1 subclause 10.1.1					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U09_002					
Group : ServedUserT/					
Purpose : Ensure that the IUT in the Call Delivered call state U04 and the served user has reached the Call Held state sends a notification indicator information element coded as "remote hold" in a NOTIFY or FACILITY message.					
Configuration :					
Default : DF69901(1)					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR30401			(1)
2		<IUT!NOTIFY_PDU>	NO6(CREF)		
3		START TWAIT			
4		L? NOTIFYr CANCEL TWAIT	A_NO6(CREF)	(P)	
5		+PO49901(1)			
6		L?FACr CANCEL TWAIT	A_FA4(CREF)	(P)	
7		+PO49901(1)			
8		?TIMEOUT TWAIT		(I)	
9		+PO49901(1)			
Detailed Comments : (1) This implicit send means "Hold the call at the S reference point" Reference: ETS 300 141-1 subclause 10.1.1					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U09_003					
Group : ServedUserT/					
Purpose : Ensure that the IUT in the Active call state U10 and the served user has reached the Idle status from the Call Held state sends a notification indicator information element coded as "remote retrieval" in a NOTIFY or FACILITY message.					
Configuration :					
Default : DF69901(0)					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR31001			(1)
2		+PR38031(0)			
3		<IUT!NOTIFY_PDU>	NO7(CREF)		
4		START TWAIT			
5		L? NOTIFYr CANCEL TWAIT	A_NO7(CREF)	(P)	
6		+PO49901(0)			
7		L?FACr CANCEL TWAIT	A_FA5(CREF)	(P)	
8		+PO49901(0)			
9		?TIMEOUT TWAIT		(I)	
10		+PO49901(0)			
Detailed Comments : (1) This implicit send means "Retrieve the call at the S reference point" Reference: ETS 300 141-1 subclause 10.1.1					

Test Case Dynamic Behaviour					
Test Case Name : HOLD_U09_004					
Group : ServedUserT/					
Purpose : Ensure that the IUT in the Call Delivered call state U04 and the served user has reached the Idle status from the Call Held state sends a notification indicator information element coded as "remote retrieval" in a NOTIFY or FACILITY message.					
Configuration :					
Default : DF69901(1)					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR30401			(1)
2		+PR38031(1)			
3		<IUT!NOTIFY_PDU>	NO7(CREF)		
4		START TWAIT			
5		L? NOTIFYr CANCEL TWAIT	A_NO7(CREF)	(P)	
6		+PO49901(1)			
7		L?FACr CANCEL TWAIT	A_FA5(CREF)	(P)	
8		+PO49901(1)			
9		?TIMEOUT TWAIT		(I)	
10		+PO49901(1)			
Detailed Comments : (1) This implicit send means "Retrieve the call at the S reference point" Reference: ETS 300 141-1 subclause 10.1.1					

Test Step Dynamic Behaviour					
Test Step Name : PR30001 Group : BasicCall_Steps/ Objective : To bring the IUT to the state U0. Default : Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1	L1	+INIT_VARIABLES			(1)
2		L!DL_REL_RQ START TAC			layer2 release
3		L?DL_REL_CO CANCEL TAC		(P)	UA or DM received; layer 2 released
4		L!DL_EST_RQ START TAC			re-establish ment
5		L?DL_EST_CO CANCEL TAC		(P)	UA received; data link established
6		L?DL_REL_IN START TNOAC			DM received; IUT still busy
7		L?DL_EST_IN CANCEL TAC , CANCEL TNOAC		(P)	SABME received; data link established
8		?TIMEOUT TNOAC			
9		L!DL_EST_RQ			re-establish ment
10		GOTO L1			
11		L?OTHERWISE		I	
12		L?DL_EST_IN CANCEL TAC			SABME received
13		L!DL_EST_CO START TNOAC			UA sent; data link established
14		L?DL_EST_CO CANCEL TNOAC		(P)	UA received as answer to the first SABME
15		?TIMEOUT TNOAC		I	no response
16		L?OTHERWISE		I	invalid event
17		?TIMEOUT TAC		I	no response
18		L?OTHERWISE		I	invalid event
19		?TIMEOUT TAC		I	no response
20		L?OTHERWISE		I	invalid event
21		INIT_VARIABLES [BASIC]			
22		(CREF:='0000001'B, GLOB_CREF:='0000000'B, bch_num:='10001001'B)			
23		[NOT BASIC]			
24		(CREF:='0000000000000001'B, GLOB_CREF:='0000000000000000'B, bch_num:=INT_TO_BIT(CH_NUM,7))			
Detailed Comments : &COMMON_U08 The layer 2 of the IUT must have a TEI assigned value before the execution of this preamble. The procedure to assign the TEI value to the IUT is matter for the test laboratory. (1) The local subtree INIT_VARIABLES is used to assign initial values to test case variables taking into account the used interface configuration.					

Test Step Dynamic Behaviour					
Test Step Name : PR30301 Group : BasicCall_Steps/ Objective : To bring the IUT to the state U3. Default : DF69901(1) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+PR30001			preamble U00
2		<IUT!SETUP_PDU>	SU1		
3		START TWAIT			
4		L?SETUPr [NOT BASIC] (CREF:= SETUPr.mun.cr.cr_r, bch_num:= SETUPr.mun.chi.primary.chi_e5_c h2) CANCEL TWAIT	A_SU11	(P)	CDPN and CHI included - bch_num is changed
5		L!CALL_PROC	A_CP2(CREF,bch_num)		(1)
6		L?SETUPr [BASIC] (CREF:= SETUPr.mun.cr.cr_r, bch_num:= SETUPr.mun.chi.basic.chi_e3_cs) CANCEL TWAIT	A_SU11	(P)	CDPN and CHI included - bch_num is changed
7		L!CALL_PROC	A_CP2(CREF,bch_num)		(1)
8		L?SETUPr [NOT BASIC] (CREF:= SETUPr.mun.cr.cr_r, bch_num:= SETUPr.mun.chi.primary.chi_e5_c h2) CANCEL TWAIT	A_SU9	(P)	CHI but not CDPN included - bch_num is changed
9		+LOCAL_TREE1			(2)
10		L?SETUPr [BASIC] (CREF:= SETUPr.mun.cr.cr_r, bch_num:= SETUPr.mun.chi.basic.chi_e3_cs) CANCEL TWAIT	A_SU9	(P)	CHI but not CDPN included - bch_num is changed
11		+LOCAL_TREE1			(2)
12		L?SETUPr (CREF:= SETUPr.mun.cr.cr_r) CANCEL TWAIT	A_SU12	(P)	CDPN but not CHI included
13		L!CALL_PROC	A_CP2(CREF,bch_num)		(1)
14		L?SETUPr (CREF:= SETUPr.mun.cr.cr_r) CANCEL TWAIT	A_SU1	(P)	Neither CHI or CDPN included.
15		+LOCAL_TREE1			(2)
16		?TIMEOUT TWAIT		I	no response
		LOCAL_TREE1			
17		L!SETUP_ACK START T302	A_SUA2(CREF,bch_num)		(3)
18		<IUT!INFO_PDU>	IN1(0,CREF)		
19		L?INFor CANCEL T302	A_IN1(0,CREF)	(P)	valid INFO
20		L!CALL_PROC	A_CP2(CREF,bch_num)		valid CALL_PROC
21		?TIMEOUT T302		(I)	no response
22		+ PO49901(1)			postamble U0
Detailed Comments : &COMMON_U08 (1) If any Called Party Number is included then the tester will accept this and send CALL PROCEEDING to bring the IUT to state 3. (2) If no Called Party Number is included then LOCAL_TREE1 is used to wait for an INFORMATION message. (3) T302 is the Network side timer used when waiting for INFORMATION.					

Test Step Dynamic Behaviour					
Test Step Name : PR30401					
Group : BasicCall_Steps/					
Objective : To bring the IUT to the state U4.					
Default : DF69901(1)					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+ PR30301			preamble U03
2		L!ALERT	A_AL2(CREF)		valid ALERT
Detailed Comments : &COMMON_U08					

Test Step Dynamic Behaviour					
Test Step Name : PR30701					
Group : BasicCall_Steps/					
Objective : To bring the IUT to the state U7.					
Default : DF69901(0)					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+ PR30001			preamble U00
2		+SEND_SETUP			SETUP (1)
3		L?ALERTr CANCEL TAC	A_AL1(CREF)	(P)	valid ALERT
4		L?CALL_PROCr START TAC	A_CP1(CREF)	(P)	valid CALL_PROC
5		L?ALERTr CANCEL TAC	A_AL1(CREF)	(P)	valid ALERT
6		?TIMEOUT TAC		(F)	no response
7		+ PO49901(0)			postamble U0
8		?TIMEOUT TAC		(F)	no response
9		+ PO49901(0)			postamble U0
		SEND_SETUP			
10		[BDL]			(2)
11		L!SETUP_B START TAC	A_SU2B(CREF,bch_num)		
12		[NOT BDL]			(3)
13		L!SETUP START TAC	A_SU2(CREF,bch_num)		
Detailed Comments : (1) A valid SETUP PDU with the sending complete information element is transmitted. (2) Broadcast SETUP (3) Point to point SETUP					

Test Step Dynamic Behaviour					
Test Step Name : PR30801 Group : BasicCall_Steps/ Objective : To bring the IUT to the state U8. Default : DF69901(0) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+ PR30001			preamble U00
2		+SEND_SETUP			SETUP (1)
3		<IUT!CONN_PDU>	CN1(CREF)		
4		L?CONNr CANCEL TWAIT	A_CN1(CREF)	(P)	valid CONN
5		L?ALERTr	A_AL1(CREF)		valid ALERT
6		L?CONNr CANCEL TWAIT	A_CN1(CREF)	(P)	valid CONN
7		?TIMEOUT TWAIT		(I)	no response
8		+ PO49901(0)			postamble U0
9		L?CALL_PROCr	A_CP1(CREF)		valid CALL_PROC
10		L?CONNr CANCEL TWAIT	A_CN1(CREF)	(P)	valid CONN
11		L?ALERTr	A_AL1(CREF)		valid ALERT
12		L?CONNr CANCEL TWAIT	A_CN1(CREF)	(P)	valid CONN
13		?TIMEOUT TWAIT		(I)	no response
14		+ PO49901(0)			postamble U0
15		?TIMEOUT TWAIT		(I)	no response
16		+ PO49901(0)			postamble U0
17		?TIMEOUT TWAIT		(I)	no response
18		+ PO49901(0)			postamble U0
19		SEND_SETUP			
20		[BDL]			(2)
21		L!SETUP_B START TWAIT	A_SU2B(CREF,bch_num)		
22		[NOT BDL]			(3)
		L!SETUP START TWAIT	A_SU2(CREF,bch_num)		
Detailed Comments : (1) A valid SETUP PDU with the sending complete information element is transmitted. (2) Broadcast SETUP (3) Point to point SETUP					

Test Step Dynamic Behaviour					
Test Step Name : PR31001 Group : BasicCall_Steps/ Objective : To bring the IUT to the state U10. Default : DF69901(0) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+ PR30801			preamble U08
2		L!CONN_ACK	A_CAL(CREF)		(1)
Detailed Comments : &COMMON_U08 (1) The valid CONN_ACK brings the IUT from state U08 to state U10.					

Test Step Dynamic Behaviour					
Test Step Name : PO49901(FL: INTEGER) Group : BasicCall_Steps/ Objective : To bring the IUT to the state U0. Default : DF69901(FL) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		(NOT_FL:= (FL+1) MOD 2)			(1)
2		L!REL START TAC	A_RL3(FL,CREF,16)		(2)
3		L?REL_COMr CANCEL TAC	A_RC1(NOT_FL,CREF)	R	
4		?TIMEOUT TAC		(I)	no response
5		[TRUE]		R	
6		L?OTHERWISE		(I)	inv. event
7		[TRUE]		R	
Detailed Comments : &COMMON_U08 (1) NOT_FL is used to store the inverted flag. (2) A valid RELEASE message with cause #16 is sent. The formal parameter FL is used as call reference flag bit.					

Test Step Dynamic Behaviour					
Test Step Name : CS51001(FL:INTEGER) Group : BasicCall_Steps/ Objective : Check that the IUT is in state U10 and leave in same state Default : DF69901(FL) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		(NOT_FL:= (FL+1) MOD 2)			
2		L!ST_ENQ START TAC	A_SQL(FL,CREF)		
3		L?STATUSr CANCEL TAC	A_ST3(NOT_FL,CREF,30,10)	(P)	(1)
4		?TIMEOUT TAC		(F)	
5		+PO49901(FL)			
Detailed Comments : (1) STATUS indicates that IUT is in state U10					

Test Step Dynamic Behaviour					
Test Step Name : CS57101(FL:INTEGER)					
Group : BasicCall_Steps/					
Objective : Ensure that the B-channel is busy					
Default : DF69901(FL)					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+SEND_SETUP			(1)
2		L?REL_COMr CANCEL TAC	A_RC3(1,CREF2,44)	(P)	(2)
3		L?REL_COMr CANCEL TAC	A_RC1(1,CREF2)	(I)	(3)
4		+PO49901(FL)			
5		?TIMEOUT TAC		(I)	(3)
6		L!REL_COM	A_RC2(0,CREF2,31)		
7		+PO49901(FL)			
		SEND_SETUP			
8		[BDL]			
9		L!SETUP_B START TAC	A_SU2B(CREF2,bch_num)		(4)
10		[NOT BDL]			
11		L!SETUP START TAC	A_SU2(CREF2,bch_num)		(5)
Detailed Comments : (1) SETUP for same channel as existing call (exclusive) (2) SETUP rejected with cause 44 requested circuit/channel not available - PASS (3) SETUP rejected or ignored for other reasons - INCONCLUSIVE (4) Broadcast SETUP (5) Point-to-point SETUP					

Test Step Dynamic Behaviour					
Test Step Name : CS57001(FL:INTEGER) Group : BasicCall_Steps/ Objective : Ensure that the B-channel is free Default : DF69901(FL) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		+SEND_SETUP			(1)
2		L?CONNr CANCEL TAC	A_CN1(CREF2)	(P)	(2)
3		L!REL_COM	A_RC2(0,CREF2,31)		
4		L?ALERTr CANCEL TAC	A_AL1(CREF2)	(P)	(2)
5		L!REL_COM	A_RC2(0,CREF2,31)		
6		L?CALL_PROCr CANCEL TAC	A_CP1(CREF2)	(P)	(2)
7		L!REL_COM	A_RC2(0,CREF2,31)		
8		L?REL_COMr CANCEL TAC	A_RC3(1,CREF2,44)	(F)	(3)
9		+PO49901(FL)			
10		L?REL_COMr CANCEL TAC	A_RC1(1,CREF2)	(I)	(4)
11		+PO49901(FL)			
12		?TIMEOUT TAC		(I)	(4)
13		L!REL_COM	A_RC2(0,CREF2,31)		
14		+PO49901(FL)			
		SEND_SETUP			
15		[BDL]			
16		L!SETUP_B START TAC	A_SU2B(CREF2,bch_num)		(5)
17		[NOT BDL]			
18		L!SETUP START TAC	A_SU2(CREF2,bch_num)		(6)
Detailed Comments : (1) SETUP for same channel as existing call (exclusive) (2) SETUP accepted - PASS (3) SETUP rejected with cause 44 requested circuit/channel not available - FAIL (4) SETUP rejected or ignored for other reasons - INCONCLUSIVE (5) Broadcast SETUP (6) Point-to-point SETUP					

Test Step Dynamic Behaviour					
Test Step Name : CS59901(ES: INTEGER; FL: INTEGER) Group : BasicCall_Steps/ Objective : Check call state of IUT Default : DF69901(FL) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		(NOT_FL:=(FL+1) MOD 2)			(1)
2		L!ST_ENQ START TAC	A_SQ1(FL,CREF)		(2)
3	L1	+SUBTREE_1(ES,FL)			(3)
4		L?CALL_PROCr [ES=25]	A_CP1(CREF)	(P)	ignore msg
5	L2	+SUBTREE_1(9,FL)			
6		L?ALERTr	A_AL1(CREF)	(P)	ignore msg
7	L3	+SUBTREE_1(7,FL)			
8		L?CONNr	A_CN1(CREF)	(P)	ignore msg
9	L4	+SUBTREE_1(8,FL)			
10		+SUBTREE_2(8,FL)			
11		GOTO L4			
12		+SUBTREE_2(7,FL)			
13		GOTO L3			
14		L?CONNr	A_CN1(CREF)	(P)	ignore msg
15	L5	+SUBTREE_1(8,FL)			
16		+SUBTREE_2(8,FL)			
17		GOTO L5			
18		+SUBTREE_2(9,FL)			
19		GOTO L2			
20		L?ALERTr [(ES=25) OR (ES=9)]	A_AL1(CREF)	(P)	ignore msg
21	L6	+SUBTREE_1(7,FL)			
22		L?CONNr	A_CN1(CREF)	(P)	ignore msg
23	L7	+SUBTREE_1(8,FL)			
24		+SUBTREE_2(8,FL)			
25		GOTO L7			
26		+SUBTREE_2(7,FL)			
27		GOTO L6			
28		L?CONNr [(ES=25) OR (ES = 9) OR (ES = 7)]	A_CN1(CREF)	(P)	ignore msg
29	L8	+SUBTREE_1(8,FL)			
30		+SUBTREE_2(8,FL)			
31		GOTO L8			
32		+SUBTREE_2(ES,FL)			
33		GOTO L1			
		SUBTREE_1(ES,FL:INTEGER)			
34		L?STATUSr CANCEL TAC	A_ST3(NOT_FL,CREF,30,ES)	(P)	valid STATUS
35		+SUBTREE_3(ES,FL)			
36		L?STATUSr CANCEL TAC	A_ST3(NOT_FL,CREF,97,ES)	(P)	valid STATUS
37		+SUBTREE_3(ES,FL)			
38		L?STATUSr CANCEL TAC	A_ST3(NOT_FL,CREF,98,ES)	(P)	valid STATUS
39		+SUBTREE_3(ES,FL)			
		SUBTREE_2(ES,FL:INTEGER)			
40		?TIMEOUT TAC		(F)	no response
41		+SUBTREE_3(ES,FL)			
42		L?STATUSr [STAT_TRANSM = FALSE]	A_ST6(NOT_FL,CREF,ECV)	(P)	valid STATUS
43		(STAT_TRANSM:= TRUE)			
		SUBTREE_3(ES,FL:INTEGER)			
44		[ES <> 19]			

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Test Step Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
45		+ PO49901 (FL)			postamble U0
46		[ES = 19]			
47		L!REL_COM	A_RC2(FL,CREF,16)	F	
Detailed Comments : &COMMON_U08 (1) NOT_FL is used to store the inverted flag. (2) The formal parameter FL is used as call reference flag bit. (3) The formal parameter ES is used as expected IUT call state.					

Test Step Dynamic Behaviour					
Test Step Name : PR38002(FL: INTEGER)					
Group : HOLD_Steps/					
Objective : Preamble to bring the IUT to the Idle auxiliary state with an explicit channel reservation in effect without a reservation indicator					
Default : DF69901(FL)					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		(NOT_FL:=(FL+1) MOD 2)			(1)
2		+PR38302(FL)			
3		<IUT!RET_PDU>	RT9(NOT_FL,CREF)		
4		START TWAIT			
5		L?RETr [NOT BASIC] (bch_num:= RETr.mun.chi.primary.chi_e5_ch 2) CANCEL TWAIT	A_RT9(NOT_FL,CREF)	(P)	
6		L!RET_ACK	A_RT2(FL,CREF,bch_num)		
7		L?RETr [BASIC] (bch_num:= RETr.mun.chi.basic.chi_e3_cs) CANCEL TWAIT	A_RT9(NOT_FL,CREF)	(P)	
8		L!RET_ACK	A_RT2(FL,CREF,bch_num)		
9		L?RETr CANCEL TWAIT	A_RT13(NOT_FL,CREF)		
10		L!RET_ACK	A_RT2(FL,CREF,bch_num)		
11		?TIMEOUT TWAIT		(I)	
12		+PO49901(FL)			
Detailed Comments : (1) Retrieve the call without using ECR management OR ECR cancel. The ECR from pr38302 should therefore remain in effect.					

Test Step Dynamic Behaviour					
Test Step Name : PR38003(FL: INTEGER) Group : HOLD_Steps/ Objective : Preamble to bring the IUT to the Idle auxiliary state with an explicit channel reservation in effect with a reservation indicator Default : DF69901(FL) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		(NOT_FL:=(FL+1) MOD 2)			
2		+PR38303(FL)			
3		<IUT!RET_PDU>	RT9(NOT_FL,CREF)		(1)
4		START TWAIT			
5		L?RETr [NOT BASIC] (bch_num:= RETr.mun.chi.primary.chi_e5_ch 2) CANCEL TWAIT	A_RT9(NOT_FL,CREF)	(P)	
6		L!RET_ACK	A_RTA2(FL,CREF,bch_num)		
7		L?RETr [BASIC] (bch_num:= RETr.mun.chi.basic.chi_e3_cs) CANCEL TWAIT	A_RT9(NOT_FL,CREF)	(P)	
8		L!RET_ACK	A_RTA2(FL,CREF,bch_num)		
9		L?RETr	A_RT13(NOT_FL,CREF)		
10		L!RET_ACK	A_RTA2(FL,CREF,bch_num)		
11		?TIMEOUT TWAIT		(I)	
12		+PO49901(FL)			
Detailed Comments : (1) Retrieve the call without using ECR management or cancel. The ECR from pr38303 should therefore remain in effect.					

Test Step Dynamic Behaviour					
Test Step Name : PR38031(FL: INTEGER) Group : HOLD_Steps/ Objective : Bring the call to the Call Held auxiliary state at the S reference point and the Idle auxiliary state at the T reference point. Default : DF69901(FL) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		<IUT!NOTIFY_PDU>	NO6(CREF)		(1)
2		START TWAIT			
3		L?NOTIFYr CANCEL TWAIT	A_NO6(CREF)	(P)	
4		L?FACr CANCEL TWAIT	A_FA4(CREF)	(P)	
5		L?DISCr CANCEL TWAIT	A_DI5(CREF)	(I)	
6		+PO49901(FL)			
7		?TIMEOUT TWAIT		(I)	
8		+PO49901(FL)			
Detailed Comments : (1) This implicit send means "Hold the call at the S reference point"					

Test Step Dynamic Behaviour				
Test Step Name : PR38101 (FL: INTEGER) Group : HOLD_Steps/ Objective : To bring the IUT to the Hold Requested auxiliary state. Default : DF69901 (FL) Comments :				
Nr	Label	Behaviour Description	Constraints Ref	Verdict
1		(NOT_FL := (FL+1) MOD 2)		
2		<IUT!HOLD_PDU>	HL1 (NOT_FL, CREF)	
3		START TWAIT		
4		L?HOLDr CANCEL TWAIT	A_HL1 (NOT_FL, CREF)	(P)
5		?TIMEOUT TWAIT		(I)
6		+PO49901 (FL)		
Detailed Comments :				

Test Step Dynamic Behaviour				
Test Step Name : PR38104 (FL: INTEGER) Group : HOLD_Steps/ Objective : To bring the IUT to the Hold Requested auxiliary state with an ExplicitReservationCreationControl Invoke outstanding. Default : DF69901 (FL) Comments :				
Nr	Label	Behaviour Description	Constraints Ref	Verdict
1		(NOT_FL := (FL+1) MOD 2)		
2		<IUT!HOLD_PDU>	HL3 (NOT_FL, CREF)	(1)
3		START TWAIT		
4		L?HOLDr (invkID := GET_INVOKEID (HOLDr.mun.fie, ercc_i3), resInd_Used := FALSE) CANCEL TWAIT	A_HL3 (NOT_FL, CREF)	(P) (2)
5		L?HOLDr (invkID := GET_INVOKEID (HOLDr.mun.fie, ercc_i2), resInd_Used := FALSE) CANCEL TWAIT	A_HL4 (NOT_FL, CREF)	(P) (3)
6		?TIMEOUT TWAIT		(I)
7		+PO49901 (FL)		
Detailed Comments : (1) HOLD message with ECR Creation Control (reservation indicator optional) (2) HOLD received without request for reservation indicator (3) HOLD received with request for reservation indicator				

Test Step Dynamic Behaviour					
Test Step Name : PR38106 (FL: INTEGER) Group : HOLD_Steps/ Objective : Preamble to bring the IUT to the Hold Request auxiliary state with an ExplicitReservationCancel Invoke outstanding Default : DF69901 (FL) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		(NOT_FL := (FL+1) MOD 2)			
2		+PR38104 (FL)			
3		[NOT resInd_Used]			(1)
4		L!HOLD_ACK	A_HA4 (FL, CREF, invkID)		(2)
5		+LOCAL_TREE1			
6		[resInd_Used]			(3)
7		L!HOLD_ACK	A_HA5 (FL, CREF, invkID, reserInd)		(2)
8		+LOCAL_TREE1			
		LOCAL_TREE1			
9		<IUT!RET_PDU>	RT13 (NOT_FL, CREF)		(4)
10		START TWAIT			
11		L?RETr [NOT BASIC] (bch_num:= RETr.mun.chi.primary.chi_e5_ch2) CANCEL TWAIT	A_RT9 (NOT_FL, CREF)		
12		+LOCAL_TREE2			
13		L?RETr [BASIC] (bch_num:= RETr.mun.chi.basic.chi_e3_cs) CANCEL TWAIT	A_RT9 (NOT_FL, CREF)		
14		+LOCAL_TREE2			
15		L?RETr	A_RT13 (NOT_FL, CREF)		
16		+LOCAL_TREE2			
17		?TIMEOUT TWAIT		(I)	
18		+PO49901 (FL)			
		LOCAL_TREE2			
19		[NOT resInd_Used]			(1)
20		<IUT!HOLD_PDU>	HL5 (NOT_FL, CREF)		(5)
21		START TWAIT			
22		L?HOLDr (invkID:= GET_INVOKEID (HOLDr.mun.fie, erc_i2)) CANCEL TWAIT	A_HL5 (NOT_FL, CREF)	(P)	
23		?TIMEOUT TWAIT		(I)	
24		+PO49901 (FL)			
25		[resInd_Used]			(3)
26		<IUT!HOLD_PDU>	HL6 (NOT_FL, CREF, reserInd)		(5)
27		START TWAIT			
28		L?HOLDr (invkID:= GET_INVOKEID (HOLDr.mun.fie, erc_i3 (reserInd))) CANCEL TWAIT	A_HL6 (NOT_FL, CREF, reserInd)	(P)	
29		?TIMEOUT TWAIT		(I)	
30		+PO49901 (FL)			
Detailed Comments : (1) Path for use where the IUT has not requested a reservation indicator (2) Send appropriate HOLD ACKNOWLEDGE (3) Path for use where IUT has requested a reservation indicator HOLD_U05_005 (4) RETRIEVE without ECR management or Cancel - the reservation should remain in effect. (5) HOLD with cancel invoke					

Test Step Dynamic Behaviour				
Test Step Name : PR38301(FL:INTEGER) Group : HOLD_Steps/ Objective : To bring the IUT to the Call Held auxiliary state. Default : DF69901(FL) Comments :				
Nr	Label	Behaviour Description	Constraints Ref	Verdict
1		+PR38101(FL)		
2		L!HOLD_ACK	A_HA2(FL,CREF)	
Detailed Comments :				

Test Step Dynamic Behaviour				
Test Step Name : PR38302(FL:INTEGER) Group : HOLD_Steps/ Objective : To bring the IUT to theCall Held auxiliary state using expicit channel reservation without reservation indicator Default : DF69901(FL) Comments :				
Nr	Label	Behaviour Description	Constraints Ref	Verdict
1		(NOT_FL:=(FL+1) MOD 2)		
2		<IUT!HOLD_PDU>	HL3(NOT_FL,CREF)	(1)
3		START TWAIT		
4		L?HOLDr (invkID:= GET_INVOKEID(HOLDr.mun.fie, ercc_i2)) CANCEL TWAIT	A_HL3(NOT_FL,CREF)	(P)
5		L!FAC	A_FA8(1,CREF,invkID)	(2)
6		L!HOLD_ACK	A_HA2(FL,CREF)	
7		?TIMEOUT TWAIT		(I)
8		+PO49901(FL)		
Detailed Comments : (1) HOLD using explicit channel reservation without reservation indicator (2) Return Result for ECR (3) HOLD_ACK to bring IUT to Call Held state.				

Test Step Dynamic Behaviour					
Test Step Name : PR38303 (FL: INTEGER) Group : HOLD_Steps/ Objective : To bring the IUT to the Call Held auxiliary state using explicit channel reservation with reservation indicator Default : DF69901 (FL) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		(NOT_FL := (FL+1) MOD 2)			
2		<IUT!HOLD_PDU>	HL4 (NOT_FL, CREF)		(1)
3		START TWAIT			
4		L?HOLDr (invkID := GET_INVOKEID (HOLDr.mun.fie, ercc_i3)) CANCEL TWAIT	A_HL4 (NOT_FL, CREF)	(P)	
5		L!FAC	A_FA9 (1, CREF, invkID, reserInd)		(2)
6		L!HOLD_ACK	A_HA2 (FL, CREF)		
7		?TIMEOUT TWAIT		(I)	
8		+PO49901 (FL)			
Detailed Comments : (1) HOLD using explicit channel reservation with reservation indicator (2) Return Result for ECR with reservation indicator (3) HOLD_ACK to bring IUT to Call Held state.					

Test Step Dynamic Behaviour					
Test Step Name : PR38401 (FL: INTEGER) Group : HOLD_Steps/ Objective : Bring the IUT to the auxiliary state Retrieve Requested Default : DF69901 (FL) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		(NOT_FL := (FL+1) MOD 2)			
2		+PR38301 (FL)			
3		<IUT!RET_PDU>	RT1 (NOT_FL, CREF)		
4		START TWAIT			
5		L?RETr [NOT BASIC] (bch_num := RETr.mun.chi.primary.chi_e5_ch 2) CANCEL TWAIT	A_RT4 (NOT_FL, CREF)	(P)	
6		L?RETr [BASIC] (bch_num := RETr.mun.chi.basic.chi_e3_cs) CANCEL TWAIT	A_RT4 (NOT_FL, CREF)	(P)	
7		L?RETr CANCEL TWAIT	A_RT1 (NOT_FL, CREF)	(P)	
8		?TIMEOUT TWAIT		(I)	
9		+PO49901 (FL)			
Detailed Comments :					

Test Step Dynamic Behaviour					
Test Step Name : PR38405 (FL: INTEGER) Group : HOLD_Steps/ Objective : Preamble to bring the IUT to the Retrieve Request auxiliary state with an ExplicitReservationManagement Invoke outstanding Default : DF69901 (FL) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		(NOT_FL := (FL+1) MOD 2)			
2		+PR38104 (FL)			
3		[NOT resInd_Used]			(1)
4		L!HOLD_ACK	A_HA4 (FL, CREF, invkID)		(2)
5		<IUT!RET_PDU>	RT5 (NOT_FL, CREF)		(3)
6		START TWAIT			
7		L?RETr [NOT BASIC] (bch_num:= RETr.mun.chi.primary.chi_e5 _ch2) CANCEL TWAIT	A_RT5 (NOT_FL, CREF)	(P)	
8		L?RETr [BASIC] (bch_num:= RETr.mun.chi.basic.chi_e3_c s) CANCEL TWAIT	A_RT5 (NOT_FL, CREF)	(P)	
9		?TIMEOUT TWAIT		(I)	
10		+PO49901 (FL)			
11		[resInd_Used]			(4)
12		L!HOLD_ACK	A_HA5 (FL, CREF, invkID, reserInd)		(2)
13		<IUT!RET_PDU>	RT6 (NOT_FL, CREF, reserInd)		(3)
14		START TWAIT			
15		L?RETr [NOT BASIC] (bch_num:= RETr.mun.chi.primary.chi_e5 _ch2) CANCEL TWAIT	A_RT6 (NOT_FL, CREF, reserInd)	(P)	
16		L?RETr [BASIC] (bch_num:= RETr.mun.chi.basic.chi_e3_c s) CANCEL TWAIT	A_RT6 (NOT_FL, CREF, reserInd)	(P)	
17		?TIMEOUT TWAIT		(I)	
18		+PO49901 (FL)			
Detailed Comments : (1) Path for use where the IUT has not requested a reservation indicator (2) Send appropriate HOLD ACKNOWLEDGE (3) RETRIEVE with ECR management invoke (4) Path for use where IUT has requested a reservation indicator					

Test Step Dynamic Behaviour					
Test Step Name : PR38406 (FL: INTEGER) Group : HOLD_Steps/ Objective : Preamble to bring the IUT to the Retrieve Request auxiliary state with an ExplicitReservationCancel Invoke outstanding Default : DF69901 (FL) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		(NOT_FL := (FL+1) MOD 2)			
2		+PR38104 (FL)			
3		[NOT resInd_Used]			(1)
4		L!HOLD_ACK	A_HA4 (FL, CREF, invkID)		(2)
5		<IUT!RET_PDU>	RT11 (NOT_FL, CREF)		(3)
6		START TWAIT			
7		L?RETr [NOT BASIC] (bch_num := RETr.mun.chi.primary.chi_e5 _ch2) CANCEL TWAIT	A_RT11 (NOT_FL, CREF)	(P)	
8		L?RETr [BASIC] (bch_num := RETr.mun.chi.basic.chi_e3_c s) CANCEL TWAIT	A_RT11 (NOT_FL, CREF)	(P)	
9		?TIMEOUT TWAIT		(I)	
10		+PO49901 (FL)			
11		[resInd_Used]			(4)
12		L!HOLD_ACK	A_HA5 (FL, CREF, invkID, reserInd)		
13		<IUT!RET_PDU>	RT12 (NOT_FL, CREF, reserInd)		(1)
14		START TWAIT			
15		L?RETr [NOT BASIC] (bch_num := RETr.mun.chi.primary.chi_e5 _ch2) CANCEL TWAIT	A_RT12 (NOT_FL, CREF, reserInd)	(P)	
16		L?RETr [BASIC] (bch_num := RETr.mun.chi.basic.chi_e3_c s) CANCEL TWAIT	A_RT12 (NOT_FL, CREF, reserInd)	(P)	
17		?TIMEOUT TWAIT		(I)	
18		+PO49901 (FL)			
Detailed Comments : (1) Path for use where the IUT has not requested a reservation indicator (2) Send appropriate HOLD ACKNOWLEDGE (3) RETRIEVE with ECR cancel invoke (4) Path for use where IUT has requested a reservation indicator					

Test Step Dynamic Behaviour					
Test Step Name : PR38404(FL: INTEGER)					
Group : HOLD_Steps/					
Objective : Preamble to bring the IUT to the Retrieve Request auxiliary state with an ExplicitReservationCreationControl Invoke outstanding					
Default : DF69901(FL)					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1		(NOT_FL:=(FL+1) MOD 2)			
2		+PR38301(FL)			
3		<IUT!RET_PDU>	RT7(NOT_FL,CREF)		(1)
4		START TWAIT			
5		L?RETr [NOT BASIC] (bch_num:= RETr.mun.chi.primary.chi_e5_ch 2, resInd_Used:=FALSE) CANCEL TWAIT	A_RT7(NOT_FL,CREF)	(P)	(2)
6		L?RETr [BASIC] (bch_num:= RETr.mun.chi.basic.chi_e3_cs, resInd_Used:=FALSE) CANCEL TWAIT	A_RT7(NOT_FL,CREF)	(P)	(2)
7		L?RETr [NOT BASIC] (bch_num:= RETr.mun.chi.primary.chi_e5_ch 2, resInd_Used:=TRUE) CANCEL TWAIT	A_RT8(NOT_FL,CREF)	(P)	(3)
8		L?RETr [BASIC] (bch_num:= RETr.mun.chi.basic.chi_e3_cs, resInd_Used:=TRUE) CANCEL TWAIT	A_RT8(NOT_FL,CREF)	(P)	(3)
9		?TIMEOUT TWAIT		(I)	
10		+PO49901(FL)			
Detailed Comments : (1) RETRIEVE with ECR Creation Control invoke (2) RETRIEVE with ECR Creation Control invoke without Reservation Indicator received (3) RETRIEVE with ECR Creation Control invoke with Reservation Indicator received					

Test Step Dynamic Behaviour					
Test Step Name : CS58001(FL:INTEGER) Group : HOLD_Steps/ Objective : To check the IUT auxiliary state is Idle Default : DF69901(FL) Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1	L1	(NOT_FL:=(FL+1) MOD 2)			
2		L!HOLD_ACK START TAC	A_HA2(FL,CREF)		(1)
3		L?STATUSr [(STAT_TRANSM = FALSE) AND (ECV > -1)]	A_ST6(NOT_FL,CREF,ECV)	(P)	(2)
4		(STAT_TRANSM:= TRUE)			
5		GOTO L1			
6		+STATUS_98_OR_101			(3)
7		L!HOLD START TAC	A_HL2(FL,CREF)		(4)
8		L?HOLD_ACKr CANCEL TAC	A_HA1(NOT_FL,CREF)	(P)	(5)
9		+PO49901(FL)			
10		?TIMEOUT TAC		(F)	
11		+PO49901(FL)			
12		?TIMEOUT TAC		(F)	(6)
13		+PO49901(FL)			
14		STATUS_98_OR_101			
15		L?STATUSr CANCEL TAC	A_ST6(NOT_FL,CREF,98)		
		L?STATUSr CANCEL TAC	A_ST6(NOT_FL,CREF,101)		
Detailed Comments : (1) HOLD ACK to ensure IUT is not in Hold Request state (2) STATUS as a response to test body (3) HOLD ACK rejected - not in Hold Request state (4) HOLD to ensure IUT is in Idle auxiliary state (see NOTE) (5) HOLD ACK indicates that HOLD was accepted i.e. call was in Idle auxiliary state. (6) No response to HOLD ACK indicates that IUT was in Hold Request state. NOTE: This test step assumes that the IUT can act as responder to for the Hold procedures according to ETS 300 196. Without this assumption it is not possible to distinguish between Idle and Call Held auxiliary states.					

Test Step Dynamic Behaviour					
Test Step Name : CS58101(FL:INTEGER)					
Group : HOLD_Steps/					
Objective : To check the IUT auxiliary state is Hold Request					
Default : DF69901(FL)					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1	L1	L!HOLD_ACK START TNOAC	A_HA2(FL,CREF)		(1)
2		L?STATUSr [(STAT_TRANSM = FALSE) AND (ECV > -1)]	A_ST6(NOT_FL,CREF,ECV)	(P)	(2)
3		(STAT_TRANSM:= TRUE)			
4		GOTO L1			
5		?TIMEOUT TNOAC		(P)	(3)
6		+PO49901(FL)			
Detailed Comments : (1) HOLD ACK to ensure IUT is in Hold Request state (2) STATUS as a response to test body (3) No response to HOLD ACK indicates that IUT was in Hold Request state.					

Test Step Dynamic Behaviour					
Test Step Name : CS58301 (FL: INTEGER)					
Group : HOLD_Steps/					
Objective : To check the IUT auxiliary state Call Held					
Default : DF69901 (FL)					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1	L1	(NOT_FL := (FL+1) MOD 2)			
2		L!RET START TAC	A_RT2 (FL, CREF, bch_num)		(1)
3		L?STATUSr [(STAT_TRANSM = FALSE) AND (ECV > -1)]	A_ST6 (NOT_FL, CREF, ECV)	(P)	(2)
4		(STAT_TRANSM := TRUE)			
5		GOTO L1			
6		L?RET_ACKr CANCEL TAC	A_RT1 (NOT_FL, CREF)	(P)	(3)
7		+PO49901 (FL)			
8		?TIMEOUT TAC		(F)	
9		+PO49901 (FL)			
Detailed Comments : (1) RETRIEVE to ensure IUT is in Call Held auxiliary state (see NOTE) (2) STATUS as a response to test body (3) RETRIEVE ACK indicates that RETRIEVE was accepted i.e. call was in Call Held state. NOTE: This test step assumes that the IUT can act as responder to for the Hold procedures according to ETS 300 196. Without this assumption it is not possible to distinguish between Idle and Call Held auxiliary states.					

Test Step Dynamic Behaviour					
Test Step Name : CS58031 (FL: INTEGER)					
Group		: HOLD_Steps/			
Objective		: To check the IUT auxiliary state Idle or Call Held			
Default		: DF69901 (FL)			
Comments		: This test step is used to check that the IUT has entered Idle or Call Held state where it cannot act as a responder and it is therefore not possible to determine the exact state.			
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1	L1	(NOT_FL := (FL+1) MOD 2)			
2		L!HOLD_ACK START TAC	A_HA2 (FL, CREF)		(1)
3		L?STATUSr [(STAT_TRANSM = FALSE) AND (ECV > -1)]	A_ST6 (NOT_FL, CREF, ECV)	(P)	(2)
4		(STAT_TRANSM := TRUE)			
5		GOTO L1			
6		+STATUS_98_OR_101			(3)
7	L2	L!RET_ACK START TAC	A_RT2 (NOT_FL, CREF, bch_num)		(4)
8		L?STATUSr [(STAT_TRANSM = FALSE) AND (ECV > -1)]	A_ST6 (NOT_FL, CREF, ECV)	(P)	(2)
9		(STAT_TRANSM := TRUE)			
10		GOTO L2			
11		+STATUS_98_OR_101			(5)
12		+PO49901 (FL)			
13		?TIMEOUT TAC		(F)	
14		+PO49901 (0)			
15		?TIMEOUT TAC		(F)	
16		+PO49901 (0)			
		STATUS_98_OR_101			
17		L?STATUSr CANCEL TAC	A_ST6 (NOT_FL, CREF, 98)	(P)	
18	L?STATUSr CANCEL TAC	A_ST6 (NOT_FL, CREF, 101)	(P)		
Detailed Comments : (1) Send HOLD_ACK to ensure that IUT is not in Hold Request state (2) STATUS received from test body - ignore (3) STATUS cause 98 or 101 received - IUT was not in Hold Request state (4) Send RETRIEVE ACK to ensure IUT is not in Hold Request state (5) STATUS cause 98 or 101 received - IUT was not in Hold Request state - i.e. it is in Idle or Call Held state.					

Test Step Dynamic Behaviour					
Test Step Name : CS58401(FL:INTEGER)					
Group : HOLD_Steps/					
Objective : To check the IUT auxiliary state Retrieve Request					
Default : DF69901(FL)					
Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1	L1	(NOT_FL:=(FL+1) MOD 2)			
2		L!RET_ACK START TNOAC	A_RTA2(NOT_FL,CREF,bch_num)		(1)
3		L?STATUSr [(STAT_TRANSM = FALSE) AND (ECV > -1)]	A_ST6(NOT_FL,CREF,ECV)	(P)	(2)
4		(STAT_TRANSM:= TRUE)			
5		GOTO L1			
6		?TIMEOUT TNOAC		(P)	(3)
7		+PO49901(FL)			
Detailed Comments : (1) RETRIEVE ACK to ensure IUT is in Hold Request state (2) STATUS as a response to test body (3) No response to RETRIEVE ACK indicates that IUT was in Retrieve Request state.					

Default Dynamic Behaviour					
Default Name : DF69901 (FL:INTEGER) Group : Objective : Default subtree for all test cases. Comments :					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
1	L1	L?DL_REL_IN		(I)	DL failure
2		(NOT_FL:=(FL+1) MOD 2)		R	(1)
3		L?DL_EST_IN (NOT_FL:=(FL+1)MOD 2)		(I)	DL reset
4		L!REL START TAC	A_RL3(FL,CREF,16)		(2)
5		L?REL_COMr CANCEL TAC	A_RC1(NOT_FL,CREF)	R	
6		?TIMEOUT TAC		R	no response
7		+IGNORE_MESSAGES			ignore
8		GOTO L1			
9		L?OTHERWISE		F	inv. event
10		L?RESTARTTr	A_RST1(0,GLOB_CREF,6)	(I)	
11		L!RESTART_ACK	A_RSA5(1,GLOB_CREF,6)	R	
12		L?RESTARTTr	A_RST1(0,GLOB_CREF,7)	(I)	
13		L!RESTART_ACK	A_RSA5(1,GLOB_CREF,7)	R	
14		L?RESTARTTr [NOT BASIC] (r_bch_num:=RESTARTTr.mun.chi.prim ary.chi_e5_ch2)	A_RST3(0,GLOB_CREF,0)	(I)	
15		+INDICATED_CHANNELS_RESTART			
16		L?RESTARTTr [BASIC] (r_bch_num:= RESTARTTr.mun.chi.basic.chi_e3_cs)	A_RST3(0,GLOB_CREF,0)	(I)	
17		+INDICATED_CHANNELS_RESTART			
18		+IGNORE_MESSAGES			ignore
19		RETURN			return to test case
20	L2	L?OTHERWISE (NOT_FL:=(FL+1)MOD 2)		(F)	
21		L!REL START TAC	A_RL3(FL,CREF,16)		valid RELEASE
22		L?REL_COMr CANCEL TAC	A_RC1(NOT_FL,CREF)	R	valid REL_COM
23		?TIMEOUT TAC		R	no response
24		+IGNORE_MESSAGES			ignore
25		GOTO L2			
26		L?OTHERWISE		F	inv. event
27		IGNORE_MESSAGES			
28		L?INFor	A_IN4(CREF)		ignore
29		L?NOTIFYr	A_NO3(CREF)		ignore
30		L?ST_ENQr	A_SQ3(CREF)		ignore
31		L?GFP_MSGr	A_MSG(CREF)		ignore
32		INDICATED_CHANNELS_RESTART			
33		L!RESTART_ACK START T316MAX	A_RSA2(1,GLOB_CREF,r_b ch_num)		
34		L?RESTARTTr [NOT BASIC] (r_bch_num:=RESTARTTr.mun.chi.prim ary.chi_e5_ch2)	A_RST3(0,GLOB_CREF,0)		
35		L!RESTART_ACK	A_RSA2(1,GLOB_CREF,r_b ch_num)		
36		GOTO L3			
37		L?RESTARTTr [BASIC] (r_bch_num:=RESTARTTr.mun.chi.basi c.chi_e3_cs)	A_RST3(0,GLOB_CREF,0)		
38		L!RESTART_ACK	A_RSA2(1,GLOB_CREF,r_b ch_num)		
39	L3	GOTO L3			
40		?TIMEOUT T316MAX START TAC		(I)	

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Default Dynamic Behaviour					
Nr	Label	Behaviour Description	Constraints Ref	Verdict	Comments
39	L4	L?RESTARTr [NOT BASIC] (r_bch_num:=RESTARTr.mun.chi.pri mary.chi_e5_ch2) CANCEL TAC	A_RST3(0,GLOB_CREF,0)	R	ignore inv. event ignore inv. event
40		L!RESTART_ACK	A_RSA2(1,GLOB_CREF,r_b ch_num)		
41		L?RESTARTr [BASIC] (r_bch_num:=RESTARTr.mun.chi.bas ic.chi_e3_cs) CANCEL TAC	A_RST3(0,GLOB_CREF,0)	R	
42		L!RESTART_ACK	A_RSA2(1,GLOB_CREF,r_b ch_num)		
43		?TIMEOUT TAC			
44		+IGNORE_MESSAGES		F	
45		GOTO L4			
46		L?OTHERWISE		F	
47		+IGNORE_MESSAGES			
48		GOTO L3		F	
49		L?OTHERWISE			
Detailed Comments : &COMMON_U08 (1) NOT_FL is ususally used to store the inverted flag. This behaviour line is inserted to allow the assignment of a final verdict R. It is mandatory to assign a final verdict to each leaf of a default behaviour tree. (2) A valid RELEASE message with cause #16 is sent.					