

**Intelligent Network (IN);
Intelligent Network Capability Set 3 (CS3);
Intelligent Network Application Protocol (INAP);
Test Suite Structure and Test Purposes (TSS&TP)
specification for Service Switching Function (SSF);
Part 3: Specialized Resource Function (SRF)**



Reference

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Foreword

This European Standard (Telecommunications series) has been produced by ETSI Technical Committee Services and Protocols for Advanced Networks (SPAN), and is now submitted for the ETSI standards One-step Approval Procedure.

The present document is part 3 of a multi-part deliverable covering the Intelligent Network Capability Set 3 (CS3); Intelligent Network Application Protocol (INAP); Test Suite Structure and Test Purposes (TSS&TP) specification for Service Switching Function (SSF), as identified below:

- Part 1: "Basic capability set of CS3";
- Part 2: "Call Party Handling (CPH)";
- Part 3: "Specialized Resource Function (SRF)".**

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1 Scope

The present document contains the Test Suite Structure and Test Purposes (TSS&TP) for Specialized Resource Function (SRF), part of Core INAP CS-3.

The present document provides the Test Suite Structure and Test Purposes (TSS&TP) for the testing of the Specialized Resource Function (SRF) operations of the Service Switching Function (SSF), defined for the Intelligent Network Application Protocol (INAP) of Intelligent Network (IN) Capability Set 3 (CS3) according to EN 301 931-1 [1] and EN 301 931-2 [2].

The present document is completed by other parts constituting the testing of the CS3 Core INAP specifications: EN 301 933-1 [5] (Service Switching Function) and EN 301 933-2 [6] (Call party handling functions).

ISO/IEC-9646-1 [8] and ISO/IEC-9646-2 [9] are used as the basis for the testing methodology.

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication and/or edition number or version number) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies.

- [1] ETSI EN 301 931-1: "Intelligent Network (IN); Intelligent Network Capability Set 3 (CS3); Intelligent Network Application Protocol (INAP); Protocol specification; Part 1: Common aspects".
- [2] ETSI EN 301 931-2: "Intelligent Network (IN); Intelligent Network Capability Set 3 (CS3); Intelligent Network Application Protocol (INAP); Protocol specification; Part 2: SCF-SSF interface".
- [3] ETSI EN 301 931-3: "Intelligent Network (IN); Intelligent Network Capability Set 3 (CS3); Intelligent Network Application Protocol (INAP); Protocol specification; Part 3: SCF-SRF interface".
- [4] ETSI EN 301 931-4: "Intelligent Network (IN); Intelligent Network Capability Set 3 (CS3); Intelligent Network Application Protocol (INAP); Protocol specification; Part 4: SDLs for SCF-SSF interface".
- [5] ETSI EN 301 933-1: "Intelligent Network (IN); Intelligent Network Capability Set 3 (CS3); Intelligent Network Application Protocol (INAP); Test Suite Structure and Test Purposes (TSS&TP) specification for Service Switching Function (SSF); Part 1: Basic capability set of CS3".
- [6] ETSI EN 301 933-2: "Intelligent Network (IN); Intelligent Network capability Set 3 (CS3); Intelligent Network Application protocol (INAP); Test Suite Structure and Test Purposes (TSS&TP) specification for Service Switching Function (SSF); Part 2: Call Party Handling (CPH)".
- [7] ETSI ES 201 296 (V1.2.2): "Integrated Services Digital Network (ISDN); Signalling System No.7; ISDN User Part (ISUP); Signalling aspects of charging".
- [8] ISO/IEC 9646-1: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General concepts".
- [9] ISO/IEC 9646-2: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 2: Abstract test suite specification".

- [10] ITU-T Recommendation Q.1224: "Distributed functional plane for intelligent network Capability Set 2".

3 Definitions and abbreviations

3.1 Definitions

For the purposes of the present document, the following terms and definitions apply:

- terms defined in EN 301 931-1 [1];
- terms defined in ISO/IEC 9646-1 [8] and in ISO/IEC-9646-2 [9].

In particular, the following terms defined in ISO/IEC 9646-1 [8] apply:

- Abstract Test Suite (ATS);
- Implementation Under Test (IUT);
- System Under Test (SUT);
- Protocol Implementation Conformance Statement (PICS).

3.2 Abbreviations

For the purposes of the present document, the following abbreviations apply:

ATS	Abstract Test Suite
BI	Invalid Behaviour tests
BO	Inopportune Behaviour tests
BV	Valid Behaviour tests
CA	Capability tests
CPH	Call Party Handling
CS	Call Segment
CS	Capability Set
EDP-R	Event Detection Point - Request
FSM	Finite State Machine
IN	Intelligent Network
INAP	Intelligent Network Application Protocol
IP	Intelligent Peripheral
iS	initiating SSF
iSSP	initiating SSP
IUT	Implementation Under Test
MSC	Message Sequence Chart
PDU	Protocol Data Unit
PICS	Protocol Implementation Conformance Statement
PIXIT	Protocol Implementation eXtra Information for Testing
SCF	Service Control Function
SCP	Service Control Point
SDF	Service Data Function
SDL	Specification and Description Language
SRF	Specialized Resource Function
SSF	Service Switching Function
SSP	Service Switching Point
SUT	System Under Test
TCAP	Transaction Capabilities Application Part
TP	Test Purpose
TSS	Test Suite Structure

4 Test Purpose generalities

4.1 Introduction

The Implementation Under Test (IUT) is always an **SSF**. The testing of the direct interface between SCF and SRF is **not** within the scope of the present document.

Two basic scenarios are possible:

- A) The SSF acts as a relay for operations exchanged between the SCF and the SRF;
- B) The SSF establishes a temporary connection to an assisting SSF or handed-off SSF or directly to an SRF.

In A) the SSF is tested together with the addressed SRF, and, possibly, together with an intermediate Assisting/Handed-off SSF. The SRF can be integrated in the SSF or not. Case A) is applicable to an SSF operating as:

- 1) Initiating SSF,
- 2) Assisting SSF, or
- 3) Handed-off SSF.

Individual TPs can be applicable to a true subset of the three SSF sub-functions. To handle this, Test Parameters applicable to TP Selection are defined (see clause 4.6).

Case B) is only applicable to an SSF operating as an Initiating SSF. The operation used to connect to the SRF is EstablishTemporaryConnection.

Configurations for cases A) and B) are defined in clause 5.

A TP is defined for one or several conformance requirements to be tested. It is expected, that each TP will result in a test case keeping the same name, specified in the ATS.

4.2 Grouping of Test purposes

According to the two basic scenarios defined in the previous clause, the test purposes are grouped in the following 2 main groups:

- a) SSF Relaying, and
- b) Direct SCF-SRF operation.

Inside a main group the Test purposes are grouped by elementary procedures. A procedure groups elementary INAP operations belonging together conceptually. The procedures are defined in clause 6.2.

4.3 Source of Test purpose definitions

The test purposes are based on the requirement documented in EN 301 931-1 [1], EN 301 931-2 [2] and EN 301 931-3 [3].

4.4 Method used for developing Test purposes

See EN 301 933-1 [5].

4.5 Method used for Test purpose description

The table describing each TP is as shown in table 1.

Table 1: Test purpose description sample

	TP name, e.g. IN3_A_BASIC_FC_BV_01
Work item no.:	Temporary work item number; to be deleted when the TPs are stable
IN2 Ref	Reference to INAP CS2 TP (optional)
Purpose:	Textual phrasing of the TP to be achieved.
Requirements refs	Reference to clause(s) of EN 301 931-2 [2]. For TPs related to the SRF function: also reference to clause(s) of EN 301 931-3 [3]. In the latter case the Part numbers are explicitly indicated (part 2 and/or part 3).
Selection Cond.	Reference to a formal selection expression, if the TP is related to an optional INAP feature. If the field is empty, the TP is unconditional (mandatory requirement(s)).
Preamble:	Reference to a preamble or "None".
Test description	Sequence of transmitted and received events and timeouts (see clause "TTCN-like notation"). Textual description is also used, as appropriate.
Pass criteria	Indication of reception (or assured non-reception) of decisive message(s) related to the TP.
Postamble:	Reference to a postamble or "None".

4.5.1 Void

4.5.2 Test categories

Valid Behaviour tests (BV)

Predefined state transitions are considered as valid. The test purposes in the valid behaviour test sub group cover as far as reasonable the verification of the normal and exceptional procedures of the various Finite State Machines (FSMs), i.e. a valid behaviour test is a test where the message sequence and the message contents is considered as valid.

Invalid Behaviour tests (BI)

This test sub group is intended to verify that the IUT is able to react properly having received an invalid Protocol Data Unit (PDU). An invalid PDU is defined as a syntactically incorrect message.

Inopportune Behaviour tests (BO)

This test group is intended to verify that the IUT is able to react properly in the case an inopportune protocol event occurring. Such an event is syntactically correct but occurs when it is not expected, e.g. a correctly coded operation is received in a wrong state (the IUT may respond by sending error UnexpectedComponentSequence).

4.5.3 Test purpose naming convention

The identifier of the TP is built according to the scheme in table 2.

Table 2: TP identifier naming convention scheme

Identifier:	IN3_<i>_<sss>_<pp>_<cc>_<nn>								
IN3	indicates IN Capability Set 3								
<i>	=	interface:	<table> <tr> <td>A</td> <td>SSF-SCF interface</td> </tr> <tr> <td>B</td> <td>SSF-SRF interface</td> </tr> <tr> <td>C</td> <td>SCF-SCF interface</td> </tr> </table>	A	SSF-SCF interface	B	SSF-SRF interface	C	SCF-SCF interface
A	SSF-SCF interface								
B	SSF-SRF interface								
C	SCF-SCF interface								
<sss>	=	common set	<table> <tr> <td>BASIC</td> <td>Basic set for CS3</td> </tr> <tr> <td>CPH</td> <td>Call Party Handling from Capability Set 3</td> </tr> <tr> <td>SRF</td> <td>SRF-related functions from Capability Set 3</td> </tr> </table>	BASIC	Basic set for CS3	CPH	Call Party Handling from Capability Set 3	SRF	SRF-related functions from Capability Set 3
BASIC	Basic set for CS3								
CPH	Call Party Handling from Capability Set 3								
SRF	SRF-related functions from Capability Set 3								
<pp>	=	procedure name like	<table> <tr> <td>SF</td> <td>ServiceFiltering</td> </tr> </table>	SF	ServiceFiltering				
SF	ServiceFiltering								
<cc>	=	test category:	<table> <tr> <td>BV</td> <td>Valid Behaviour tests</td> </tr> <tr> <td>BI</td> <td>Invalid Behaviour tests</td> </tr> <tr> <td>BO</td> <td>Inopportune Behaviour tests</td> </tr> </table>	BV	Valid Behaviour tests	BI	Invalid Behaviour tests	BO	Inopportune Behaviour tests
BV	Valid Behaviour tests								
BI	Invalid Behaviour tests								
BO	Inopportune Behaviour tests								
<nn>	=	sequential number:	(01-99)						
Example of test purpose and test case name: IN3_A_BASIC_SF_BV_02									

4.5.4 Preambles and their naming conventions

Preambles are used to bring the IUT from the initial state to the state where the test takes place. In the CS3 scheme, the set of the preambles forms a tree, which means that in order to reach the state created by preamble P3, it is necessary to execute preamble P1 followed by preambles P2 then P3.

The naming convention used reflects the description of the connection view set by executing the preamble, in terms of nature of the legs per Call Segment (CS), starting from the stable legs then the ones on hold then the ones in transfer, with the indication of the number of legs, while the first letter indicates how this configuration was initiated.

The general form is:

a_[stableLegsParty or onHold (legs) or transfer(legs) for CallSegment 1]_[idem for CallSegment2]_[idem for CallSegment 3]

where:

a is letter:

- O for Originating (outgoing call for a user);
- T for Terminating (incoming call for a user);
- I for Initiate Call Attempt (initiated from the network).

The state names and their abbreviations used are:

Null	
1_Party	1P
Originating_Set-up	OS
Terminating_Set-up	TS
Originating_1_Party_Setup	O1PS
Stable_1_Party	S1P
Stable_2_Party	S2P
Forward	FW
Stable_Multi_Passive_Party (no. of passive legs n)	SnPP
Stable_Multi_Party (no. of passive legs n)	SnP

The term "null" stands for "none" as in preamble O_NULL_S2P_OH3.

There can be two set of CSs with the same nature of legs present at the same time, as in the preamble name O_S2P_S1P_S1P.

4.6 Test purpose parametrization and selection

As shown in the "Introduction" clause, the Implementation under Test (IUT) is always an SSF, either connected to an Assisting SSF, a Handed-off SSF or to an SRF. Not all sub-functions defined for an SSF need to be implemented at the same time (see e.g. figure 37 in clause 8 of EN 301 932-2 [2]), and possibly not all operations are implemented (e.g. the use of scripts).

In order to define an appropriate set of TPs for all functions and operations, but to enable deselection of TPs not applicable to particular IUTs, the following Test Parameters are defined in table 3.

NOTE: It is assumed, that these Test Parameters are mapped to corresponding PIXIT/Test Suite Parameters.

Table 3: Test Parameters applicable to TP selection

Test Parameter name	Type	Explanation
CONFIGURATION	IA5STRING	The allowed values are: "CONFIGURATION A" and "CONFIGURATION B"
SSF_RELAYS_SRF_OPERATIONS	BOOLEAN	This parameter shall be set to TRUE, if the IUT relays the user interaction operations (PlayAnnouncement etc.) between SCF and SRF. Otherwise it shall be set to FALSE.
SSF_RELAYS_SRF_ASSISTING	BOOLEAN	This parameter shall be set to TRUE, if the IUT relays the user interaction operations (PlayAnnouncement etc.) between SCF and SRF via an Assisting SSF. Otherwise it shall be set to FALSE.
SSF_IS_INITIATING	BOOLEAN	This parameter shall be set to TRUE, if the IN SSM FSM is implemented in the IUT and is used for testing. Otherwise it shall be set to FALSE. See figure 37 in clause 8 of EN 301 931-2 [2]. (see note 1)
SSF_IS_ASSISTING	BOOLEAN	This parameter shall be set to TRUE, if the Assisting SSM FSM is implemented in the IUT and is used for testing. Otherwise it shall be set to FALSE. See figure 37 in clause 8 of EN 301 931-2 [2]. (see note 1)
SSF_IS_HANDED_OFF	BOOLEAN	This parameter shall be set to TRUE, if the Handed-off SSM FSM is implemented in the IUT and is used for testing. Otherwise it shall be set to FALSE. See figure 37 in clause 8 of EN 301 931-2 [2]. (see note 1)
SSF_IMPLEMENTES_SCRIPTS	BOOLEAN	This parameter shall be set to TRUE, if the IUT implements the script operations ScriptRun, ScriptClose and ScriptInformation. Otherwise it shall be set to FALSE.
SSF_IMPLEMENTES_SCRIPT_EVENTS	BOOLEAN	This parameter shall be set to TRUE, if the IUT implements a script invoking the ScriptEvent operation. Otherwise it shall be set to FALSE.
SSF_IMPLEMENTES_PA	BOOLEAN	This parameter shall be set to TRUE, if the IUT implements the PlayAnnouncement procedure. Otherwise it shall be set to FALSE.
SSF_IMPLEMENTES_PA_INTERRUPT	BOOLEAN	This parameter shall be set to TRUE, if the IUT implements the PlayAnnouncement procedure in an interruptable way, i.e. it can be cancelled with the Cancel operation. Otherwise it shall be set to FALSE.
SSF_IMPLEMENTES_PCU	BOOLEAN	This parameter shall be set to TRUE, if the IUT implements the PromptAndCollectUserInformation procedure. Otherwise it shall be set to FALSE.
SSF_IMPLEMENTES_PCU_INTERRUPT	BOOLEAN	This parameter shall be set to TRUE, if the IUT implements the PromptAndCollectUserInformation procedure in an interruptable way, i.e. it can be cancelled with the Cancel operation. Otherwise it shall be set to FALSE.
SSF_IMPLEMENTES_PRM	BOOLEAN	This parameter shall be set to TRUE, if the IUT implements the PromptAndReceiveMessage procedure. Otherwise it shall be set to FALSE.
SSF_IMPLEMENTES_PRM_INTERRUPT	BOOLEAN	This parameter shall be set to TRUE, if the IUT implements the PromptAndReceiveMessage procedure in an interruptable way, i.e. it can be cancelled with the Cancel operation. Otherwise it shall be set to FALSE.
SSF_IMPLEMENTES_UTSI	BOOLEAN	This parameter shall be set to TRUE, if the IUT implements the RequestReportUTSI, SendSTUI and ReportUTSI procedure. Otherwise it shall be set to FALSE.
SSF_TIMER_USED	BOOLEAN	The SSF timer is used.

Test Parameter name	Type	Explanation
SSF_PREDEFINED_SRF	BOOLEAN	The SSF has associated a predefined SRF being selected automatically when no Resource IP Address is specified. (see note 2).
SSF_ADRESSED_SRF	BOOLEAN	The SSF can select an SRF by a valid Resource IP Address. (see note 2).
ETC_EXPLICIT_CORRELATION	BOOLEAN	This parameter shall be set to TRUE, if the SSF expects the correlationID and sCFID parameters to be explicitly contained in the EstablishTemporaryConnection argument (and not implicitly encoded in the assistingSSPIPRoutingAddress), and FALSE otherwise.
ETC_TO_ASSIST	BOOLEAN	This parameter shall be set to TRUE, if the SSF establishes the Temporary Connection to the SRF via an Assisting SSF, and FALSE otherwise. (see note 3).
ETC_TO_SRF	BOOLEAN	This parameter shall be set to TRUE, if the SSF establishes the Temporary Connection directly to the SRF, and FALSE otherwise. (see note 3).
CO_EXPLICIT_CORRELATION	BOOLEAN	This parameter shall be set to TRUE, if the SSF expects the correlationID and sCFID parameters to be explicitly contained in the Connect argument (and not implicitly encoded in the destinationRoutingAddress parameter), and FALSE otherwise. (see note 4)
CO_TO_HANDED_OFF	BOOLEAN	This parameter shall be set to TRUE, if the SSF establishes the Connection to the SRF via a Handed-OFF SSF, and FALSE otherwise. (see notes 4 and 5).
CO_TO_SRF	BOOLEAN	This parameter shall be set to TRUE, if the SSF establishes the Connection directly to the SRF, and FALSE otherwise. (see notes 4 and 5).
NOTE 1: Exactly one of the parameters SSF_IS_INITIATING, SSF_IS_ASSISTING and SSF_IS_HANDED_OFF shall be set to TRUE (if more than one of the related functions is implemented, the tests should be repeated with the other applicable settings of this parameter).		
NOTE 2: At least one of these Parameters must be set to TRUE.		
NOTE 3: At least one of these Parameters must be set to TRUE.		
NOTE 4: Connect operation only related to Handed-off SSF.		
NOTE 5: At least one of these Parameters must be set to TRUE.		

The following Test Parameters used to parameterize the TP descriptions, when necessary, are defined in table 4.

NOTE: It is assumed, that these Test Parameters are mapped to corresponding PIXIT/Test Suite Parameters.

Table 4: Test Parameters applicable to TP parametrization

Test Parameter name	Type	Explanation
UI_CTR_RES_ADDR_PA	ResourceAddress (see ConnectToResourceArg)	Resource address value used in the ConnectToResource invoke component issued in preamble PRE_UI_CTR_PA (used in TPs for the PlayAnnouncement operation). In case of an Initiating SSF the ResourceAddress identifies leg 1 or the CS containing leg 1. Otherwise only the resourceAddress formats "None" and "ipRoutingAddress" are applicable.
UI_CTR_RES_ADDR_PA_S2P	ResourceAddress (see ConnectToResourceArg)	Resource address value related to a CS with 2 legs used in the ConnectToResource invoke component issued after preamble PRE_UI_S2P_MON (used in TPs for the PlayAnnouncement operation).
UI_CTR_RES_ADDR_PR_S1P_1P	ResourceAddress (see ConnectToResourceArg)	Resource address value used in the ConnectToResource invoke component issued in preamble PRE_UI_CTR_PR_S1P_1P (used in TPs for the PromptAndCollectUserInformation , PromptAndReceiveMessage and Script operations). The address identifies leg 1 in CS 2. Only applicable to an Initiating SSF
UI_CTR_RES_ADDR_PR_1P	ResourceAddress (see ConnectToResourceArg)	Resource address value used in the ConnectToResource invoke component issued in preamble PRE_UI_CTR_PR_1P (used in TPs for the PromptAndCollectUserInformation , PromptAndReceiveMessage and Script operations). In case of an Initiating SSF the resourceAddress identifies leg 1 in (initial) CS 1. Otherwise only the resourceAddress formats "None" and "ipRoutingAddress" are applicable.
UI_CTR_RES_ADDR_PR_S2P	ResourceAddress (see ConnectToResourceArg)	Resource address value used in the ConnectToResource invoke component issued in preamble PRE_UI_CTR_PR_S2P (used in TPs for the PromptAndCollectUserInformation , PromptAndReceiveMessage and Script operations). The address identifies legs 1 and 2 in (initial) CS 1. Only applicable to an Initiating SSF.
UI_CTR_RES_ADDR_UT_S2P	ResourceAddress (see ConnectToResourceArg)	Resource address value used in the ConnectToResource invoke component issued in preamble PRE_UI_CTR_UT_S2P (used in TPs for the RequestReportUTSI and SendSTUI operations). The address identifies the CS containing 2 legs. Only applicable to an Initiating SSF .
UI_CTR_RES_ADDR_UT_1P	ResourceAddress (see ConnectToResourceArg)	Resource address value used in the ConnectToResource invoke component issued in preamble PRE_UI_CTR_UT_1P (used in TPs for the RequestReportUTSI and SendSTUI operations). In case of an Initiating SSF the resourceAddress identifies the CS containing 1 leg (the initial leg). Otherwise only the resourceAddress formats "None" and "ipRoutingAddress" are applicable.

Test Parameter name	Type	Explanation
UI_CTR_RES_ADDR_UT_S1P_1P	ResourceAddress (see ConnectToResourceArg)	Resource address value used in the ConnectToResource invoke component issued in preamble PRE_UI_CTR_UT_S1P_1P (used in TPs for the RequestReportUTSI and SendSTUI operations). The address identifies CS 2 containing leg 1 (controlling). Only applicable to an Initiating SSF .
UI_PA_CS	CallSegmentID	ID of Call segment affected by the PlayAnnouncement operation (according to preamble PRE_UI_CTR_PA and compatible with UI_CTR_RES_ADDR_PA).
UI_PA_INV_CONN_PTY	ConnectedParty (see PlayAnnouncementArg)	Syntactically valid value for the connectedParty parameter (used in the PlayAnnouncement invoke component), which is not compatible to the ResourceAddress value UI_CTR_RES_ADDR_PA. See first (unnumbered) table in clause 7.3.1.1 of EN 301 931-3 [3].
SCRIPT_INFO_1	UISCRIPT.&SpecificInfo	Contains the necessary information to be sent by the SCF as ulScriptSpecificInfo in the first ScriptInformation invoke component of SCRIPT_3 (see table 10).
SCRIPT_INFO_2	UISCRIPT.&SpecificInfo	Contains the necessary information to be sent by the SCF as ulScriptSpecificInfo in the second ScriptInformation invoke component of SCRIPT_3 (see table 10).
SCRIPT_INFO_3	UISCRIPT.&SpecificInfo	Contains the necessary information to be sent by the SCF as ulScriptSpecificInfo in the first ScriptInformation invoke component of SCRIPT_4 (see table 10).
SCRIPT_INFO_4	UISCRIPT.&SpecificInfo	Contains the necessary information to be sent by the SCF as ulScriptSpecificInfo in the second ScriptInformation invoke component of SCRIPT_4 (see table 10).

Table 5 combines the Test Parameter as selection expressions, used in the TP description tables.

Table 5: Selection expressions

Selection expression name	Boolean expression
ConfigurationA	CONFIGURATION = "CONFIGURATION A"
ConfigurationB	CONFIGURATION = "CONFIGURATION B"
RelayMethod	SSF_RELAYS_SRF_OPERATIONS = TRUE
NotRelayAssistingMethod	SSF_RELAYS_SRF_OPERATIONS AND NOT SSF_RELAYS_SRF_ASSISTING
DirectMethod	SSF_RELAYS_SRF_OPERATIONS = FALSE
Initiating	SSF_IS_INITIATING
InitiatingA	(CONFIGURATION = "CONFIGURATION A") AND SSF_IS_INITIATING
Assisting	CONFIGURATION = "CONFIGURATION A" AND SSF_IS_ASSISTING
HandedOff	CONFIGURATION = "CONFIGURATION A" AND SSF_IS_HANDED_OFF
AssistingOrHandedOff	Assisting OR HandedOff
InitiatingAndTimeout	CONFIGURATION = "CONFIGURATION A" AND SSF_IS_INITIATING AND SSF_TIMER_USED
AssistingAndTimeout	CONFIGURATION = "CONFIGURATION A" AND SSF_IS_INITIATING AND SSF_TIMER_USED
HandedOffAndTimeout	CONFIGURATION = "CONFIGURATION A" AND SSF_IS_HANDED_OFF AND SSF_TIMER_USED
InitiatingPredefinedSRF	CONFIGURATION = "CONFIGURATION A" AND SSF_IS_INITIATING AND SSF_PREDEFINED_SRF

Selection expression name	Boolean expression
AssistingHandoffPredefinedSRF	CONFIGURATION = "CONFIGURATION A" AND (SSF_IS_ASSISTING OR SSF_IS_HANDED_OFF) AND SSF_PREDEFINED_SRF
PredefinedSRF	AssistingHandoffPredefinedSRF OR InitiatingPredefinedSRF
InitiatingAddressedSRF	CONFIGURATION = "CONFIGURATION A" AND SSF_IS_INITIATING AND SSF_ADDRESSED_SRF
AssistingHandoffAddressedSRF	CONFIGURATION = "CONFIGURATION A" AND (SSF_IS_ASSISTING OR SSF_IS_HANDED_OFF) AND SSF_ADDRESSED_SRF
AddressedSRF	InitiatingAddressedSRF OR AssistingHandoffAddressedSRF
InitiatingBAssist	CONFIGURATION = "CONFIGURATION B" AND SSF_IS_INITIATING AND ETC_TO_ASSIST
InitiatingBHandedOff	CONFIGURATION = "CONFIGURATION B" AND SSF_IS_INITIATING AND CO_TO_HANDED_OFF
InitiatingBAssistExplicitCorrelation	InitiatingBAssist AND ETC_EXPLICIT_CORRELATION
InitiatingBHoExplicitCorrelation	InitiatingBAssist AND CO_EXPLICIT_CORRELATION
InitiatingAEtcSRF	CONFIGURATION = "CONFIGURATION A" AND SSF_IS_INITIATING AND ETC_TO_SRF
InitiatingAEtcExplicitCorrelation	InitiatingAEtcSRF AND ETC_EXPLICIT_CORRELATION
InitiatingAHoExplicitCorrelation	InitiatingAHoSRF AND CO_EXPLICIT_CORRELATION
PAImplemented	SSF_IMPLEMENTES_PA
PAInterruptable	SSF_IMPLEMENTES_PA AND SSF_IMPLEMENTES_PA_INTERRUPT
PCUImplemented	SSF_IMPLEMENTES_PCU
PCUInterruptable	SSF_IMPLEMENTES_PCU AND SSF_IMPLEMENTES_PCU_INTERRUPT
PCMImplemented	SSF_IMPLEMENTES_PRM
PCMInterruptable	SSF_IMPLEMENTES_PRM AND SSF_IMPLEMENTES_PRM_INTERRUPT
ScriptsImplemented	SSF_IMPLEMENTES_SCRIPTS
ScriptEventsImplemented	SSF_IMPLEMENTES_SCRIPTS AND SSF_IMPLEMENTES_SCRIPT_EVENTS
UTSIImplemented	SSF_IMPLEMENTES_UTSI

5 Test configurations

As shown in clause 4.1, two basic scenarios are applicable to testing the SRF functions of an SSF. Two generic configurations are defined accordingly in figures 1 and 2 below, referred to as **Configuration A** and **Configuration B** respectively.

NOTE: General functional configurations for INAP entities are described in annex A of EN 301 933-1 [5]. Physical configurations applicable to SSFs and SRFs are described in clause 7.3.1.1 of EN 301 931-3 [3].

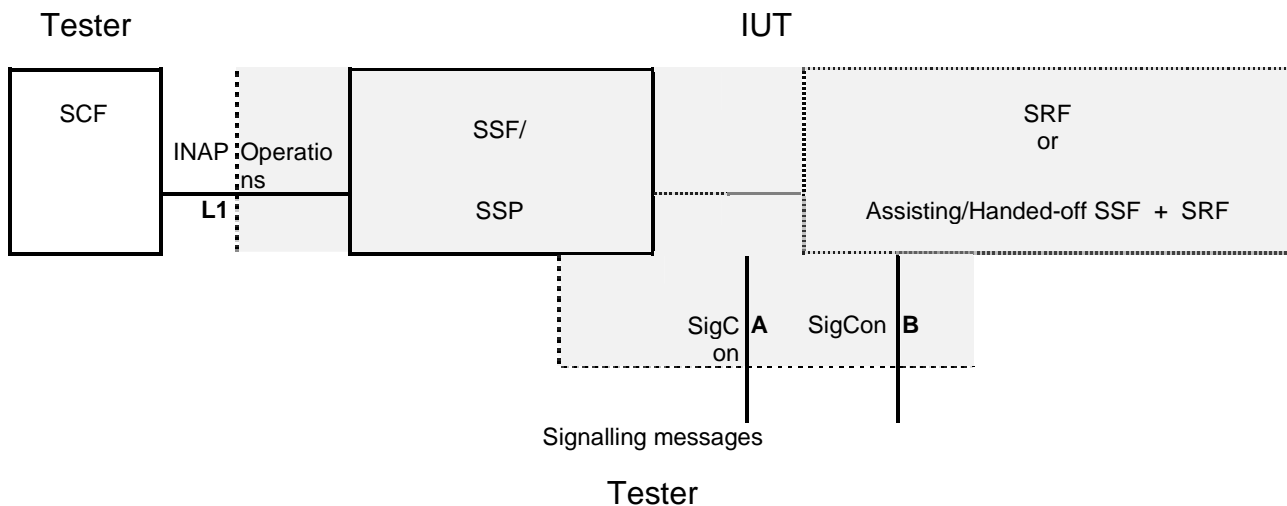


Figure 1: Configuration A

This test configuration covers a single SCP and a single SSF/SRF, where the SCP is represented by the tester and the SSF/SRF is the implementation under test (IUT). The SSF acts as a relay for INAP operations exchanged between the SCF and the SRF.

INAP PDUs (operations) are exchanged between the tester/SCF and the IUT across the interface named **L1**, which corresponds to a PCO in the TTCN-like notation used for the description of the test behaviour. INAP PDUs are embedded in TCAP messages as described in clause 10 of EN 301 931-1 [1] and clause 15 of EN 301 931-2 [2].

When call-related operations are tested, signalling messages are exchanged between the tester and the IUT, establishing bearer connections, where the signalling terminations in the IUT are named SigCon A and SigCon B. Depending on the implementation, the signalling messages can be messages of the DSS1 protocol, ISUP protocol or another protocol (see e.g. clause 6.2.2.1 of EN 301 931-2 [2]). To be independent of any particular signalling protocol, **Abstract Signalling Primitives** are used in the test descriptions instead of signalling messages. For the definition of the Abstract Signalling Primitives see clause 6.2.2.2 of EN 301 931-2 [2].

Depending on the sub-function of the SSF being tested (see clause 4.1):

- 1) Initiating SSF,
- 2) Assisting SSF, or
- 3) Handed-off SSF.

Table 7 gives an overview on application and main differences of configurations A and B.

Table 7: Overview of configurations A and B differences

Configuration	Connecting operation(s)	Comments
Configuration A	ConnectToRessource EstablishTemporaryConnection	<p>The IUT is composed of the SSF exchanging INAP operations with the SCF/Tester, plus SRF, plus intermediate Assisting/Handed-off SSF, if existing.</p> <p>The interface between the SSF and the SRF or the SSF and the Assisting/Handed-off SSF is "hidden"; it is only implicitly tested.</p> <p>When the ConnectToRessource operation is used to establish the connection to the SRF, the SSF acts as a relay for succeeding operations like PlayAnnouncement etc. The effect of these operations is observed at L1, SigCon A and SigConB.</p> <p>The EstablishTemporaryConnection operation is only used in this configuration, when the SRF is incorporated in the SSF or is directly addressed by the SSF, i.e. when there is no intermediate Assisting/Handed-off SSF.</p> <p>Since within the scope of the present document the direct interface between SCF and SRF is not tested, no user interaction procedures like PlayAnnouncement can be simulated in this case.</p>
Configuration B	EstablishTemporaryConnection/ Connect	<p>In this configuration the IUT consists of the Initiating SSF only, and the interface between the Initiating SSF and the Assisting/Handed-off SSF (simulated by the Tester) is part of the testing interface.</p> <p>The signalling messages exchanged between Initiating SSF and Assisting/Handed-off SSF at SigConC (and SigCon D) are treated in the same way as the signalling messages exchanged between Initiating SSF and users A and B (SigConA and SigConB).</p>

6 Test purposes for SRF functions

6.1 SRF-related procedures

6.1.1 List of procedures

The Test Purposes for SRF-related functionalities are grouped according to the following procedures:

AR	AssistRequestInstructions
AT	ActivityTest
CG	CallGap
CO	Connect (only to Handed-off SSF)
CR	ConnectToResource
DF	DisconnectForwardConnection
EC	EstablishTemporaryConnection
PA	PlayAnnouncement
PC	PromptAndCollectUserInformation
PR	PromptAndReceiveMessage
RP	ReportUTSI
RU	RequestReportUTSI
SC	ScriptClose
SE	ScriptEvent
SI	ScriptInformation
SR	ScriptRun
SU	SendSTUI

6.1.2 Definitions of the procedures

ActivityTest procedure (AT)

Invoke: ActivityTest
Return Result: ActivityTest
Return Error: None

AssistRequestInstructions procedure (AR)

Invoke: AssistRequestInstructions
Return Result: None
Return Error: AssistRequestInstructions

CallGap procedure (CG)

Invoke: CallGap
Return Result: None
Return Error: None

ConnectToResource procedure (CR)

Invoke: ConnectToResource
Return Result: None
Return Error: ConnectToResource

DisconnectForwardConnection procedure (DF)

Invoke: DisconnectForwardConnection
Return Result: None
Return Error: DisconnectForwardConnection

DisconnectForwardConnectionWithArgument procedure (DW)

Invoke: DisconnectForwardConnectionWithArgument
Return Result: None
Return Error: DisconnectForwardConnectionWithArgument

EstablishTemporaryConnection procedure (EC)

Invoke: EstablishTemporaryConnection
Return Result: None
Return Error: EstablishTemporaryConnection

PlayAnnouncement procedure (PA)

Invoke: PlayAnnouncement
Cancel
Return Result: SpecializedResourceReport
Return Error: PlayAnnouncement

PromptAndCollectUserInformation procedure (PC)

Invoke: PromptAndCollectUserInformation
Cancel
Return Result: PromptAndCollectUserInformation
Return Error: PromptAndCollectUserInformation

PromptAndReceiveMessage procedure (PR)

Invoke: PromptAndReceiveMessage
Cancel
Return Result: PromptAndReceiveMessage
Return Error: PromptAndReceiveMessage

RequestReportUTSI procedure (RU)

Invoke: RequestReportUTSI
Return Result: None
Return Error: RequestReportUTSI

ReportUTSI procedure (RP)

Invoke: ReportUTSI
Return Result: None
Return Error: None

ScriptRun procedure (SR)

Invoke: ScriptRun
Return Result: None
Return Error: ScriptRun

ScriptClose procedure (SC)

Invoke: ScriptClose
Return Result: None
Return Error: ScriptClose

ScriptInformation procedure (SI)

Invoke: ScriptInformation
Return Result: None
Return Error: ScriptInformation

ScriptEvent procedure (SE)

Invoke: ScriptEvent
Return Result: None
Return Error: None

SendSTUI procedure (SU)

Invoke: SendSTUI
Return Result: None
Return Error: SendSTUI

6.2 Structure of the test purposes

Test purposes for the relay method			
Procedure/Group	Group identifier	Category	Number
AssistRequestInstructions	IN3_A_SRF_AR	BV	4
		BI	0
		BO	0
ActivityTest	IN3_A_SRF_AT	BV	1
		BI	0
		BO	0
CallGap	IN3_A_SRF_CG	BV	0
		BI	0
		BO	0
ConnectToResource	IN3_A_SRF_CR	BV	19
		BI	8
		BO	0
DisconnectForwardConnection (without argument)	IN3_A_SRF_DF	BV	2
		BI	0
		BO	2
DisconnectForwardConnectionWithArgument	IN3_A_SRF_DW	BV	2
		BI	3
		BO	2
PlayAnnouncement	IN3_A_SRF_PA	BV	6
		BI	4
		BO	2
PromptAndCollectUserInformation	IN3_A_SRF_PC	BV	5
		BI	3
		BO	3
PromptAndReceiveMessage	IN3_A_SRF_PR	BV	5
		BI	3
		BO	3
ScriptRun	IN3_A_SRF_SR	BV	2
		BI	4
		BO	1
ScriptClose	IN3_A_SRF_SC	BV	1
		BI	4
		BO	1
ScriptEvent	IN3_A_SRF_SE	BV	2
		BI	0
		BO	0
ScriptInformation	IN3_A_SRF_SI	BV	1
		BI	4
		BO	1
RequestReportUTSI	IN3_A_SRF_RU	BV	3
		BI	3
		BO	1
SendSTUI	IN3_A_SRF_SU	BV	3
		BI	4
		BO	1
ReportUTSI	IN3_A_SRF_RP	BV	2
		BI	0
		BO	0
Total:			115

Test purposes for the direct SCF-SRF interaction method			
Initiating SSF (IUT) interacting with Assisting SSF			
Procedure/Group	Group identifier	Category	Number
EstablishTemporaryConnection	IN3_A_SRF_EC	BV	5
		BI	5
		BO	0
DisconnectForwardConnection (without argument)	IN3_A_SRF_DF	BV	2
		BI	0
		BO	2
DisconnectForwardConnectionWithArgument	IN3_A_SRF_DW	BV	2
		BI	3
		BO	2
Connect	IN3_A_SRF_CO	BV	4
		BI	2
		BO	0
Initiating SSF (IUT) directly interacting with SRF			
EstablishTemporaryConnection	IN3_A_SRF_EC	BV	5
		BI	4
		BO	0
DisconnectForwardConnection (without argument)	IN3_A_SRF_DF	BV	2
		BI	0
		BO	2
DisconnectForwardConnectionWithArgument	IN3_A_SRF_DW	BV	2
		BI	3
		BO	2
Total:			47

6.3 Notations

The notations of EN 301 933-1 [5] and EN 301 933-2 [6] are applicable, with the following additions:

When a message parameter is defined to be OPTIONAL or DEFAULT, and in the TP formulation or description a value for that parameter is indicated to be "valid" without further specification, then the omission of a value for this parameter is not precluded.

The Abstract Signalling Primitives related to messages exchanged on the signalling links have been defined in clause 6.2.2.2 of EN 301 931-2 [2]. Some SRF-related operations can have an effect upon the signalling connection(s) and/or on the in-band connections between user and SSF/SRF.

The modelling of the effect on a signalling link and/or on the in-band connection related to a **PromptAndCollectUserInformation** or **PromptAndCollectMessage** operation, is a **CallProgress** Abstract Signalling Primitive sent by the SSF/SRF and a **Data** Abstract Signalling Primitive sent by the user.

The modelling of the effect on a signalling link and/or on the in-band connection related to a **PlayAnnouncement** operation is a **CallProgress** Abstract Signalling Primitive sent by the SSF/SRF, but there is no explicit indication in the TPs.

NOTE: It is recommended, that an ATS based on these TPs will receive this Abstract Signalling Primitive as an unexpected acceptable event in the default.

When **Scripts** require user interaction on a signalling link and/or on an in-band connection, also the **CallProgress** and **Data** Abstract Signalling Primitives are used to model this situation.

The modelling of the effect on a signalling link of a **SendSTUI** and **RequestReportUTSI** operation is a **CallProgress** Abstract Signalling Primitive sent by the SSF/SRF. The resulting information sent on a signalling link by the user, leading to a **ReportUTSI** operation sent by the SSF/SRF, is modelled as a **Data** Abstract Signalling Primitive.

In order to express this appropriately in the TP descriptions, parameters have been defined for CallProgress and Data Abstract Signalling Primitives. The parameters defined for the **CallProgress** Abstract Signalling Primitive together with their possible values, are defined in table 8. The parameters defined for the **Data** Abstract Signalling Primitive and their possible values, are defined in table 9.

Table 8: Parameters of the CallProgress Abstract Signalling Primitive

Parameter name	Parameter values	Description
CPType	CPType_PA	The CallProgress Abstract Signalling Primitive indicates a signal resulting from a Play announcement operation.
	CPType_PCU	The CallProgress Abstract Signalling Primitive indicates a signal resulting from a PromtAndCollectUserInformation operation.
	CPType_PCM	The CallProgress Abstract Signalling Primitive indicates a signal resulting from a PromtAndCollectMessage operation.
	CPType_STUI	The CallProgress Abstract Signalling Primitive indicates a signal resulting from a SendSTUI operation.
	CPType_RR_UTSI	The CallProgress Abstract Signalling Primitive indicates a signal resulting from a RequestReportUTSI operation.
	CPType_SCRIPT	The CallProgress Abstract Signalling Primitive indicates one or more CallProgress signals received from the SSF/SRF during script operation (see note). This Abstract Signalling Primitive is issued, when (depending on the script) either no more CallProgress signal is issued by the SSF/SRF before the script terminates, or when a user interaction is required.
	CPType_Any	This parameter value is assigned, when a CallProgress Abstract Signalling Primitive is received which does not correspond to one of the previously defined types.
Script_ID	UISCRIPT.&id	This parameter is only applicable to CallProgress Abstract Signalling Primitives of type CPType_SCRIPT. Information about script IDs and the expected properties of scripts used for testing are contained in table 10.
CPEnd_Ind	TRUE, FALSE	This parameter is only applicable to CallProgress Abstract Signalling Primitives of type CPType_SCRIPT. It indicates, whether the current CallProgress Abstract Signalling Primitive is the last (TRUE) or not the last (FALSE) CallProgress Abstract Signalling Primitive expected in the current script.
NOTE:	Depending on the script, the contents of the signal(s) leading to a CallProgress Abstract Signalling Primitive of CPType_SCRIPT may be undistinguishable from signals indicating PlayAnnouncement etc. But from the context (ScriptRun issued), the distinction can be made (for an implementor). Number and kind of CallProgress signals received on the signalling link (or in-band), before the CallProgress Abstract Signalling Primitive of CPType_SCRIPT is issued, depends on the script and on the signalling procedures implemented.	

In the TP descriptions, CallProgress Abstract Signalling Primitive and its parameters are received in the following two forms:

- a) CP1_n?CallProgress(CPType_SCRIPT, <Script_No>, <CPEnd_Ind>),
where <Script_No> and <CPEnd_Ind> are valid values for parameters Script_No and CPEnd_Ind respectively;
- b) CP1_n?CallProgress(CPType),
where CPType is one of the specified types except CPType_SCRIPT.

Table 9: Parameters of the Data Abstract Signalling Primitive

Parameter name	Parameter values	Description
DataType	DataType_PCU_Result	The Data Abstract Signalling Primitive requests a signal to be sent by the user to answer the previously invoked PromptAndCollectUserInformation operation.
	DataType_PCM_Result	The Data Abstract Signalling Primitive requests a signal to be sent by the user to answer the previously invoked PromptAndCollectMessage operation.
	DataType_SCRIPT	The Data Abstract Signalling Primitive requests one or more signals to be sent by the user during script operation (see note).
Script_No	Positive Integers, starting from 1.	This parameter is only applicable to Data Abstract Signalling Primitives of type DataType_SCRIPT. See also table 8.
NOTE:	Depending on the script, the contents of the signal(s) to be sent can possibly be answers to PromptAndCollectUserInformation or other operations, if the script invokes such operations. Number and kind of Data signals required to be sent by the user on the signalling link (or in-band), in order to execute the Data Abstract Signalling Primitive of DataType_SCRIPT, depends on the individual script and on the signalling procedures implemented.	

In the TP descriptions, Data Abstract Signalling Primitive and its parameters are received in the following two forms:

- a) CP1_n!Data(DataType_SCRIPT, <Script_No>),
where <Script_No> is a valid value for parameter Script_No;
- b) CP1_n!Data(DataType),
where DataType is one of the specified types except CPTYPE_SCRIPT.

The following table 10 lists the script ID parameters associated with scripts used for testing.

Table 10: Scripts used for testing

Script ID parameter	Expected Script behaviour
SCRIPT_1	General purpose script. It is run with parameter disconnectFromIPForbidden set to TRUE . It does not matter, whether the script sends ScriptEvent operations or expects ScriptInformation operations.
SCRIPT_2	The script is run with parameter disconnectFromIPForbidden set to FALSE . In order to get a defined operational condition for the postamble, it is assumed that the script sends a ScriptEvent invoke component indicating lastEventIndicator = FALSE .
SCRIPT_3	The script is assumed to send a ScriptEvent invoke component indicating lastEventIndicator = TRUE . The script possibly sends n ScriptEvent invoke components indicating lastEventIndicator = FALSE before. The number n shall not exceed the value of 2 (but may be 0). It is assumed that n ScriptInformation invoke components have to be sent by the SCF, each one following a ScriptEvent invoke component indicating lastEventIndicator = FALSE . Test Parameters SCRIPT_INFO_1 and SCRIPT_INFO_2 contain the necessary information to be sent by the SCF as ulScriptSpecificInfo in these cases.
SCRIPT_4	This script fulfils the same requirements as SCRIPT_3, except that n must be greater or equal to 1 (ScriptInformation is actually sent).
NOTE:	The possibility that all Script IDs identify the same script is not excluded.

6.4 Preambles and postambles for SRF

6.4.1 Preambles used for SRF function testing

6.4.1.1 PRE_WFI preamble

This preamble initiates an incoming call in the SSF and leaves the SSF in the "Waiting for instructions" state for the single existing CS, containing one leg (leg 1).

The preamble is applicable to an IUT acting as Initiating SSF, Assisting SSF or Handed-off SSF. Parameters defined in clause "Test purpose selection" are used to distinguish between these 3 options. In case of Assisting SSF and Handed-off SSF the scfID and correlationID may be implicitly contained in the assistingSSPIRoutingAddress or destinationRoutingAddress respectively.

[SSF_IS_INITIATING]

CP1_1!SetUpInd

L1?InitialDP

PRE_WFI

[SSF_IS_ASSISTING]

CP1_1!SetUpInd(assistingSSPIRoutingAddress,scfID, correlationID)

L1?AssistRequestInstructions(correlationID)

PRE_WFI

[SSF_IS_HANDED_OFF]

CP1_1!SetUpInd(destinationRoutingAddress,scfID, correlationID)

L1?AssistRequestInstructions(correlationID)

PRE_WFI

6.4.1.2 PRE_S2P_MON preamble

This preamble is used in TPs for the ConnectToResource operation. It initiates an incoming call in the **Initiating SSF** and connects the call to user B, leaving the SSF in the "**Monitoring**" FSM for CS state for the single existing CS, containing two legs (leg 1 (controlling) and leg 2 (passive)).

oMidcall event detection points are set so that the "**Wait for instructions**" FSM for CS state can be easily reached.

CP1_1!SetUpInd

L1?InitialDP

L1!RequestReportBCSMEEvent(1,notifyAndContinue,oDisconnect)

L1!RequestReportBCSMEEvent(2,notifyAndContinue,oDisconnect)

L1!RequestReportBCSMEEvent(1,interrupted,oMidCall)

L1!RequestReportBCSMEEvent(2,interrupted,oMidCall)

L1!Connect(2,1)

CP1_2?SetUpReq

CP1_2!SetUpConf

CP1_1!SetUpResp

PRE_S2P_MON

6.4.1.3 PRE_S1P_1P_MON preamble

This preamble initiates an incoming call in the initiating SSF, connects the call to user B and splits the controlling leg, leaving the SSF in the "Monitoring" state for the two existing CSs, each containing one leg (CS 1: leg 2 (passive) and CS 2: leg 1 (controlling)).

PRE_S2P_MON

L1!SplitLeg(1,2)

L1?SplitLegReturnResult

L1!ContinueWithArgument (csID = 1)

PRE_S1P_1P_MON

6.4.1.4 PRE_1P_MON preamble

This preamble disconnects leg 2 in PRE_S2P_MON, leaving the initial CS with leg 1 (controlling).

PRE_S2P_MON

L1!DisconnectLeg(2)

L1?DisconnectLeg ReturnResult

CP1_2?ReleaseReq

L1!ContinueWithArgument (csID = 1)

PRE_1P_MON

6.4.1.5 PRE_S1P_1P_WFI preamble

This preamble initiates an incoming call in the initiating SSF, connects the call to user B and splits the controlling leg, leaving the SSF in the "**Waiting for instructions**" state for the two existing CSs, each containing one leg (CS 1: leg 2 (passive) and CS 2: leg 1 (controlling)).

PRE_S2P_MON

L1!SplitLeg(1,2)

L1?SplitLegReturnResult

PRE_S1P_1P_WFI

6.4.1.6 PRE_1P_WFI preamble

This preamble disconnects leg 2 in PRE_S2P_MON, leaving the initial CS with leg 1 (controlling) .

PRE_S2P_MON

L1!DisconnectLeg(2)

L1?DisconnectLeg ReturnResult

CP1_2?ReleaseReq

PRE_1P_WFI

6.4.1.7 PRE_OS_ASSIST preamble

This preamble initiates an incoming call. It is used to test the AssistRequestInstructions procedure in the Assisting SSF. The scfID and correlationID may be implicitly contained in the assistingSSPIRoutingAddress.

```
CP1_1!SetupInd(assistingSSPIRoutingAddress,scfID, correlationID)
```

```
PRE_OS_ASSIST
```

6.4.1.8 PRE_OS_HANDED_OFF preamble

This preamble initiates an incoming call. It is used to test the AssistRequestInstructions procedure in the Handed-off SSF. The scfID and correlationID may be implicitly contained in the destinationRoutingAddress.

```
CP1_1!SetupInd(destinationRoutingAddress,scfID, correlationID)
```

```
PRE_OS_HANDED_OFF
```

6.4.1.9 PRE_UI_S2P_MON preamble

This preamble initiates an incoming call in the **Initiating SSF** and connects the call to user B, leaving the SSF in the "**Monitoring**" FSM for CS state for the single existing CS, containing two legs (leg 1 (controlling) and leg 2 (passive)). No EDPs for MidCall events are set.

```
CP1_1!SetupInd
```

```
L1?InitialDP
```

```
L1!RequestReportBCSMEEvent(1,notifyAndContinue,oDisconnect)
```

```
L1!RequestReportBCSMEEvent(2,notifyAndContinue,oDisconnect)
```

```
L1!Connect(2,1)
```

```
CP1_2?SetupReq
```

```
CP1_2!SetupConf
```

```
CP1_1!SetupResp
```

```
PRE_UI_S2P_MON
```

6.4.1.10 PRE_UI_S1P_1P_MON preamble

This preamble initiates an incoming call in the **Initiating SSF**, connects the call to user B and splits the controlling leg, leaving the SSF in the "Monitoring" state for the two existing CSs, each containing one leg (CS 1: leg 2 (passive) and CS 2: leg 1 (controlling)). No EDPs for MidCall events are set.

```
PRE_UI_S2P_MON
```

```
L1!SplitLeg(1,2)
```

```
L1?SplitLegReturnResult
```

```
L1!ContinueWithArgument (csID = 1)
```

```
PRE_UI_S1P_1P_MON
```

6.4.1.11 PRE_UI_1P_MON preamble

```
[SSF_IS_INITIATING]
```

```
PRE_UI_S2P_MON
```

```
L1!DisconnectLeg(2)
```

L1?DisconnectLeg ReturnResult

CP1_2?ReleaseReq

L1!ContinueWithArgument (csID = 1)

PRE_UI_1P_MON

[SSF_IS_ASSISTING]

CP1_1!SetUpInd(assistingSSPIRoutingAddress,scfID, correlationID)

L1?AssistRequestInstructions(correlationID)

PRE_UI_1P_MON

[SSF_IS_HANDED_OFF]

CP1_1!SetUpInd(destinationRoutingAddress,scfID, correlationID)

L1?AssistRequestInstructions(correlationID)

PRE_UI_1P_MON

6.4.1.12 PRE_UI_1P_WFI preamble

This preamble is similar to PRE_UI_1P_MON, but it leaves the Initiating SSF in the "Waiting for Instructions" state.

[SSF_IS_INITIATING]

PRE_UI_S2P_MON

L1!DisconnectLeg(2)

L1?DisconnectLeg ReturnResult

CP1_2?ReleaseReq

PRE_UI_1P_MON

[SSF_IS_ASSISTING]

CP1_1!SetUpInd(assistingSSPIRoutingAddress,scfID, correlationID)

L1?AssistRequestInstructions(correlationID)

PRE_UI_1P_MON

[SSF_IS_HANDED_OFF]

CP1_1!SetUpInd(destinationRoutingAddress,scfID, correlationID)

L1?AssistRequestInstructions(correlationID)

PRE_UI_1P_MON

6.4.1.13 PRE_UI_CTR_PA preamble

This preamble is used to test user interaction procedure **PlayAnnouncement**, being relayed through the SSF. It is applicable to Initiating SSF, Assisting SSF and Handed-off SSF.

PRE_UI_1P_MON

L1!ConnectToResource(UI_CTR_RES_ADDR_PA)

PRE_UI_CTR_PA

6.4.1.14 PRE_UI_CTR_PR_S2P preamble

This preamble is used to test procedures **PromptAndCollectUserInformation**, **PromptAndReceiveMessage**, and **Script** operations, all operations being relayed through the SSF, when the CS addressed in the operation contains 2 legs. It is only applicable to an **Initiating SSF**.

PRE_UI_S2P_MON

L1!ConnectToResource(UI_CTR_RES_ADDR_PR_S2P)

PRE_UI_CTR_PR_S2P

6.4.1.15 PRE_UI_CTR_PR_S1P_1P preamble

This preamble is used to test procedures **PromptAndCollectUserInformation**, **PromptAndReceiveMessage**, and **Script** operations, all operations being relayed through the SSF, when the CS addressed in the operation contains 1 leg (controlling). It is only applicable to an **Initiating SSF**.

PRE_UI_S1P_1P_MON

L1!ConnectToResource(UI_CTR_RES_ADDR_PR_S1P_1P)

PRE_UI_CTR_PR_S1P_1P

6.4.1.16 PRE_UI_CTR_PR_1P preamble

This preamble is used to test procedures **PromptAndCollectUserInformation**, **PromptAndReceiveMessage**, and **Script** operations, all operations being relayed through the SSF, when the CS addressed in the operation contains 1 leg (the initial leg). It is applicable to an **Initiating SSF**, **Assisting SSF** and **Handed-off SSF**.

PRE_UI_1P_WFI

L1!ConnectToResource(UI_CTR_RES_ADDR_PR_1P)

PRE_UI_CTR_PR_1P

6.4.1.17 PRE_UI_CTR_UT_S2P preamble

This preamble is used to test user interaction procedures **ReportUTSI**, **RequestReportUTSI** and **SendSTU**, all operations being relayed through the SSF, when the CS addressed in the operation contains 2 legs. It is only applicable to an **Initiating SSF**.

PRE_S2P_MON

L1!ConnectToResource(UI_CTR_RES_ADDR_UT_S2P)

PRE_UI_CTR_UT_S2P

6.4.1.18 PRE_UI_CTR_UT_S1P_1P preamble

This preamble is used to test user interaction procedures **ReportUTSI**, **RequestReportUTSI** and **SendSTU**, all operations being relayed through the SSF, when the CS addressed in the operation contains 1 leg (controlling). It is only applicable to an **Initiating SSF**.

PRE_UI_S1P_1P_MON

L1!ConnectToResource(UI_CTR_RES_ADDR_UT_S1P_1P)

PRE_UI_CTR_UT_S1P_1P

6.4.1.19 PRE_UI_CTR_UT_1P preamble

This preamble is used to test user interaction procedures **ReportUTSI**, **RequestReportUTSI** and **SendSTU**, all operations being relayed through the SSF, when the CS addressed in the operation contains 1 leg (the initial leg). It is applicable to an **Initiating SSF**, **Assisting SSF** and **Handed-off SSF**.

PRE_UI_1P_MON

L1!ConnectToResource(UI_CTR_RES_ADDR_UT_1P)

PRE_UI_CTR_UT_1P

6.4.2 Postambles used for SRF function testing

6.4.2.1 ReleaseA

A connection to the SRF does not exist. The connection at SigConA is released.

[SSF_IS_INITIATING]

L1!ReleaseCall(allCallSegments)

CP1_1?ReleaseReq

CP1_2?ReleaseReq

ReleaseA

[SSF_IS_ASSISTING OR SSF_IS_HANDED_OFF]

CP1_1!ReleaseInd

CP1_2!ReleaseInd

ReleaseA

6.4.2.2 ReleaseAB

A connection to the SRF does not exist. The connections at SigConA and SigConB are released.

L1!ReleaseCall(allCallSegments)

CP1_1?ReleaseReq

CP1_2?ReleaseReq

ReleaseAB

6.4.2.3 ReleaseAC

The connections at SigConA and SigConC are released.

L1!ReleaseCall(allCallSegments)

CP1_1?ReleaseReq

CP1_3?ReleaseReq

ReleaseAC

6.4.2.4 ReleaseABC

The connections at SigConA, SigConB and SigConC are released.

L1!ReleaseCall(allCallSegments)

CP1_1?ReleaseReq

CP1_2?ReleaseReq

CP1_3?ReleaseReq

ReleaseABC

6.4.2.5 ReleaseABCD

The connections at SigConA, SigConB, SigConC and SigConD are released.

L1!ReleaseCall(allCallSegments)

CP1_1?ReleaseReq

CP1_2?ReleaseReq

CP1_3?ReleaseReq

CP1_4?ReleaseReq

ReleaseABCD

6.4.2.6 DisconnectForwardReleaseA

The connections at SigConA and the temporary connection to the SRF are released.

L1!DisconnectForwardConnection

ReleaseA

DisconnectForwardReleaseA

6.4.2.7 DisconnectForwardReleaseAB

The connections at SigConA, SigConB and the (invisible) temporary connection to the SRF are released.

L1!DisconnectForwardConnection

ReleaseAB

DisconnectForwardReleaseAB

6.4.2.8 DisconnectForwardReleaseAC

The connection at SigConA and the temporary connection to the assisting/handed-off SSF are released.

L1!DisconnectForwardConnection

CP1_3?ReleaseReq

DisconnectForwardReleaseAC

6.4.2.9 DisconnectForwardReleaseABC

The connections at SigConA, SigConB and the temporary connection to the assisting/handed-off SSF are released.

L1!DisconnectForwardConnection

CP1_3?ReleaseReq

ReleaseAB

DisconnectForwardReleaseABC

6.4.2.10 ScriptCloseDisconnectForwardReleaseA()

The running script is closed, the connection at SigConA and the temporary connection to the SRF are released. The postamble is parameterized with parameters scriptID, scriptspecificInfo and csID.

L1!ScriptClose(scriptID, scriptspecificInfo, csID)

L1!DisconnectForwardConnection

ReleaseA

ScriptCloseDisconnectForwardReleaseA

6.4.2.11 ScriptCloseDisconnectForwardReleaseAB()

The running script is closed, the connections at SigConA and SigConB, and the temporary connection to the SRF are released. The postamble is parameterized with parameters scriptID, scriptspecificInfo and csID.

L1!ScriptClose(scriptID, scriptspecificInfo, csID)

L1!DisconnectForwardConnection

ReleaseAB

ScriptCloseDisconnectForwardReleaseAB

6.4.2.12 DisconnectFWAReleaseA()

The connection at SigConA and the temporary connection to the SRF are released. The CSA contains more than one CS, so DisconnectForwardConnectionWithArgument is used. The postamble is parameterized with parameter **partyToDisconnect**.

L1!DisconnectForwardConnectionWithArgument(partyToDisconnect)

ReleaseA

DisconnectFWAReleaseA

6.4.2.13 DisconnectFWAReleaseAB()

The connections at SigConA, SigConB and the temporary connection to the SRF are released. The CSA contains more than one CS, so DisconnectForwardWithArgument is used. The postamble is parameterized with parameter **partyToDisconnect**.

L1!DisconnectForwardConnectionWithArgument(partyToDisconnect)

ReleaseAB

DisconnectFWAReleaseAB

6.4.2.14 DisconnectFWAReleaseAB2()

The connections at SigConA, SigConB and the temporary connections to the SRF are released. The CSA contains 2 CSs, where an independent temporary connection is established to each of the 2 CSs. DisconnectForwardWithArgument is used twice. The postamble is parameterized with 2 parameters of type **partyToDisconnect**.

L1!DisconnectForwardConnectionWithArgument(partyToDisconnect1)

L1!DisconnectForwardConnectionWithArgument(partyToDisconnect2)

ReleaseAB

DisconnectFWAReleaseAB2

6.4.2.15 DisconnectFWAReleaseAC()

The connections at SigConA and SigConC are released. The postamble is parameterized with parameter **partyToDisconnect**.

L1!DisconnectForwardConnectionWithArgument(partyToDisconnect)

CP1_3?ReleaseReq

ReleaseA

DisconnectFWAReleaseAC

6.4.2.16 DisconnectFWAReleaseABC()

The connections at SigConA, SigConB and SigConC are released. The postamble is parameterized with parameter **partyToDisconnect**.

L1!DisconnectForwardConnectionWithArgument(partyToDisconnect)

CP1_3?ReleaseReq

ReleaseAB

DisconnectFWAReleaseABC

6.4.2.17 DisconnectFWAReleaseABCD()

The connections at SigConA, SigConB, SigConC and SigConD are released. The postamble is parameterized with 2 parameters of type **partyToDisconnect**.

L1!DisconnectForwardConnectionWithArgument(partyToDisconnect1)

L1!DisconnectForwardConnectionWithArgument(partyToDisconnect2)

CP1_3?ReleaseReq

CP1_4?ReleaseReq

ReleaseAB

DisconnectFWAReleaseABCD

6.5 Test purposes for the relay method

This group of TPs is selected/deselected by selection expression **RelayMethod**.

6.5.1 AssistRequestInstructions procedure

IN3_A_SRF_AR_BV_01	
Work item no.:	ITEM_SRF_32
IN2 Ref(tmp)	IN2_A_BASIC_AR_CA_01
Purpose:	Verify that the Assisting SSF sends to SCF an AssistRequestInstructions invoke component containing the parameter correlationID, when it receives a SetupInd from the Initiating SSF, containing an assist indication.
Requirement ref	Part 1.2: 8.3.2, 11.5 Part 1.3: 7.2, 7.2.2, 8.2.1, 9.2
Selection Cond.	Assisting
Preamble:	PRE_OS_ASSIST
Test description	SetupInd from the Initiating SSF received (in the preamble), containing an assist indication.
Pass criteria	L1?AssistRequestInstructions(correlationID)
Postamble:	ReleaseA

IN3_A_SRF_AR_BV_02	
Work item no.:	ITEM_SRF_33
IN2 Ref(tmp)	IN2_A_BASIC_AR_BV_01
Purpose:	Verify that the Assisting SSF aborts the dialogue and releases SigCon A when timeout of Tssf occurs after having sent to SCF an AssistRequestInstructions invoke component.
Requirement ref	Part 1.2: 8.3.2, 11.5 Part 1.3: 7.2, 7.2.2, 8.2.1, 9.2
Selection Cond.	AssistingAndTimeout
Preamble:	PRE_OS_ASSIST
Test description	SetupInd from the Initiating SSF received (in the preamble), containing an assist indication. ?Timeout Tssf L1?Abort CP1_1?ReleaseReq
Pass criteria	- Check that after Tssf expiration, IUT aborts the dialogue and releases SigCon A
Postamble:	None

IN3_A_SRF_AR_BV_03	
Work item no.:	ITEM_SRF_34
IN2 Ref(tmp)	None
Purpose:	Verify that the Handed-off SSF sends to SCF an AssistRequestInstructions invoke component containing the parameter correlationID, when it receives a SetupInd from the Initiating SSF, containing an assist indication.
Requirement ref	Part 1.2: 8.4.2, 11.5 Part 1.3: 7.2, 7.2.2, 8.2.1, 9.2
Selection Cond.	HandedOff
Preamble:	PRE_OS_HANDED_OFF
Test description	SetupInd from the Initiating SSF received (in the preamble), containing an assist indication.
Pass criteria	L1?AssistRequestInstructions(correlationID)
Postamble:	ReleaseA

IN3_A_SRF_AR_BV_04	
Work item no.:	ITEM_SRF_35
IN2 Ref(tmp)	None
Purpose:	Verify that the Handed-off SSF aborts the dialogue and releases SigCon A when timeout of Tssf occurs after having sent to SCF an AssistRequestInstructions invoke component.
Requirement ref	Part 1.2: 8.3.2, 11.5 Part 1.3: 7.2, 7.2.2, 8.2.1, 9.2
Selection Cond.	AssistingAndTimeout
Preamble:	PRE_OS_HANDED_OFF
Test description	SetupInd from the Initiating SSF received (in the preamble), containing an assist indication. ?Timeout Tssf L1?TCAP-Abort CP1_1?ReleaseReq
Pass criteria	- Check that after Tssf expiration, IUT aborts the dialogue and releases SigCon A
Postamble:	None

6.5.2 ConnectToResource (CR) procedure

IN3_A_SRF_CR_BV_01	
Work item no.:	ITEM_SRF_1
IN2 Ref(tmp)	IN2_A_BASIC_CR_CA_01
Purpose:	Verify that the SSF, handling a single-CS CSA with a single leg and being in the "Wait for instructions" FSM for CS state, accepts a ConnectToResource invoke component received from the SCF (does not send a returnError component), when the resourceAddress received indicates "none". In case of an Assisting or Handed-off SSF: verify also that a SetupResp is sent to the Initiating SSF.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.13 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 13.1.1
Selection Cond.	PredefinedSRF
Preamble:	PRE_WFI
Test description	L1!ConnectToResource (resourceAddress none)
Pass criteria	[SSF_IS_INITIATING] no ConnectToResource returnError received (within some Wait-time) [SSF_IS_ASSISTING] CP1_1?SetupResp
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_CR_BV_02	
Work item no.:	ITEM_SRF_36
IN2 Ref(tmp)	None
Purpose:	Verify that the Initiating SSF, handling a single CS in the "Stable_2_Party" CSCV state and being in the "Monitoring" FSM for CS state, accepts a ConnectToResource invoke component received from the SCF (does not send a returnError component), when the resourceAddress received indicates "none".
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 11.13 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 13.1.1
Selection Cond.	InitiatingPredefinedSRF
Preamble:	PRE_S2P_MON
Test description	L1!ConnectToResource (resourceAddress = none)
Pass criteria	no ConnectToResource returnError received (within some Wait-time)
Postamble:	DisconnectForwardReleaseAB

IN3_A_SRF_CR_BV_03	
Work item no.:	ITEM_SRF_37
IN2 Ref(tmp)	None
Purpose:	Verify that the Initiating SSF, handling a single CS in the "Stable_2_Party" CSCV state and being in the "Wait for instructions" FSM for CS state, accepts a ConnectToResource invoke component received from the SCF (does not send a returnError component), when the resourceAddress received indicates "none".
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 11.13 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 13.1.1
Selection Cond.	InitiatingPredefinedSRF
Preamble:	PRE_S2P_MON
Test description	CP1_1!ServiceFeatureIndication L1?EventReportBCSM(1,oMidCall) L1!ConnectToResource (resourceAddress = none)
Pass criteria	no ConnectToResource returnError received (within some Wait-time)
Postamble:	DisconnectForwardReleaseAB

IN3_A_SRF_CR_BV_04	
Work item no.:	ITEM_SRF_38
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, handling a single-CS CSA with a single leg and being in the "Wait for instructions" FSM for CS state, accepts a ConnectToResource invoke component received from the SCF (does not send a returnError component), when the resourceAddress received indicates "legID 1". In case of an Assisting or Handed-off SSF: verify also that a SetupResp is sent to the Initiating SSF.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.13 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 13.1.1
Selection Cond.	InitiatingPredefinedSRF
Preamble:	PRE_WFI
Test description	L1!ConnectToResource (resourceAddress legID 1)
Pass criteria	no ConnectToResource returnError received (within some Wait-time)
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_CR_BV_05	
Work item no.:	ITEM_SRF_39
IN2 Ref(tmp)	None
Purpose:	Verify that the Initiating SSF, handling a single CS in the "Stable_2_Party" CSCV state and being in the "Monitoring" FSM for CS state, accepts a ConnectToResource invoke component received from the SCF (does not send a returnError component), when the resourceAddress received indicates "legID 2".
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 11.13 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 13.1.1
Selection Cond.	InitiatingPredefinedSRF
Preamble:	PRE_S2P_MON
Test description	L1!ConnectToResource (resourceAddress = legID 2)
Pass criteria	no ConnectToResource returnError received (within some Wait-time)
Postamble:	DisconnectForwardReleaseAB

IN3_A_SRF_CR_BV_06	
Work item no.:	ITEM_SRF_40
IN2 Ref(tmp)	None
Purpose:	Verify that the Initiating SSF, being in the CS configuration S1P_1P and being in the "Wait for instructions" FSM for CS state for CS2, accepts a ConnectToResource invoke component received from the SCF (does not send a returnError component), when the resourceAddress received indicates "legID 1".
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 11.13 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 13.1.1
Selection Cond.	InitiatingPredefinedSRF
Preamble:	PRE_S1P_1P_MON
Test description	CP1_1!ServiceFeatureIndication L1!ConnectToResource (resourceAddress = legID 1)
Pass criteria	no ConnectToResource returnError received (within some Wait-time)
Postamble:	DisconnectFWAReleaseAB(legID 1)

IN3_A_SRF_CR_BV_07	
Work item no.:	ITEM_SRF_41
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, handling a single-CS CSA with a single leg and being in the "Wait for instructions" FSM for CS state, accepts a ConnectToResource invoke component received from the SCF (does not send a returnError component), when the resourceAddress received indicates "csID 1". In case of an Assisting or Handed-off SSF: verify also that a SetupResp is sent to the Initiating SSF.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.13 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 13.1.1
Selection Cond.	InitiatingPredefinedSRF
Preamble:	PRE_WFI
Test description	L1!ConnectToResource (resourceAddress csID 1)
Pass criteria	no ConnectToResource returnError received (within some Wait-time)
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_CR_BV_08	
Work item no.:	ITEM_SRF_42
IN2 Ref(tmp)	None
Purpose:	Verify that the Initiating SSF, being in the CS configuration S1P_1P and being in the "Monitoring" FSM for CS state for CS1, accepts a ConnectToResource invoke component received from the SCF (does not send a returnError component), when the resourceAddress received indicates "csID 1".
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 11.13 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 13.1.1
Selection Cond.	InitiatingPredefinedSRF
Preamble:	PRE_S1P_1P_MON
Test description	L1!ConnectToResource (resourceAddress = csID 1)
Pass criteria	no ConnectToResource returnError received (within some Wait-time)
Postamble:	DisconnectFWAResourceAB(csID 1)

IN3_A_SRF_CR_BV_09	
Work item no.:	ITEM_SRF_43
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, handling a single-CS CSA with a single leg and being in the "Wait for instructions" FSM for CS state, accepts a ConnectToResource invoke component received from the SCF (does not send a returnError component), when the resourceAddress received indicates "ipRoutingAddress", ipRoutingAddress being a valid SRF address. In case of an Assisting or Handed-off SSF: verify also that a SetupResp is sent to the Initiating SSF.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.13 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 13.1.1
Selection Cond.	AddressedSRF
Preamble:	PRE_WFI
Test description	L1!ConnectToResource (resourceAddress ipRoutingAddress)
Pass criteria	[SSF_IS_INITIATING] no ConnectToResource returnError received (within some Wait-time) [SSF_IS_ASSISTING] CP1_1?SetupResp
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_CR_BV_10	
Work item no.:	ITEM_SRF_44
IN2 Ref(tmp)	None
Purpose:	Verify that the Initiating SSF, handling a single CS in the "Stable_2_Party" CSCV state and being in the "Monitoring" FSM for CS state, accepts a ConnectToResource invoke component received from the SCF (does not send a returnError component), when the resourceAddress received indicates "ipRoutingAddress", ipRoutingAddress being a valid SRF address.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 11.13 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 13.1.1
Selection Cond.	InitiatingAddressedSRF
Preamble:	PRE_S2P_MON
Test description	L1!ConnectToResource (resourceAddress = ipRoutingAddress)
Pass criteria	no ConnectToResource returnError received (within some Wait-time)
Postamble:	DisconnectForwardReleaseAB

IN3_A_SRF_CR_BV_11	
Work item no.:	ITEM_SRF_45
IN2 Ref(tmp)	None
Purpose:	Verify that the Initiating SSF, handling a single CS in the "Stable_2_Party" CSCV state and being in the "Wait for instructions" FSM for CS state, accepts a ConnectToResource invoke component received from the SCF (does not send a returnError component), when the resourceAddress received indicates "ipRoutingAddress", ipRoutingAddress being a valid SRF address.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 11.13 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 13.1.1
Selection Cond.	InitiatingAddressedSRF
Preamble:	PRE_S2P_MON
Test description	CP1_1!ServiceFeatureIndication L1?EventReportBCSM(1,oMidCall) L1!ConnectToResource (resourceAddress = ipRoutingAddress)
Pass criteria	no ConnectToResource returnError received (within some Wait-time)
Postamble:	DisconnectForwardReleaseAB

IN3_A_SRF_CR_BV_12	
Work item no.:	ITEM_SRF_46
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, handling a single-CS CSA with a single leg and being in the "Wait for instructions" FSM for CS state, accepts a ConnectToResource invoke component received from the SCF (does not send a returnError component), when the resourceAddress received indicates "ipAddressAndLegID; ipRoutingAddress being a valid SRF address, legID=leg 1". In case of an Assisting or Handed-off SSF: verify also that a SetupResp is sent to the Initiating SSF.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.13 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 13.1.1
Selection Cond.	InitiatingAddressedSRF
Preamble:	PRE_WFI
Test description	L1!ConnectToResource (resourceAddress: ipRoutingAddress = valid SRF address, legID 1)
Pass criteria	no ConnectToResource returnError received (within some Wait-time)
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_CR_BV_13	
Work item no.:	ITEM_SRF_47
IN2 Ref(tmp)	None
Purpose:	Verify that the Initiating SSF, handling a single CS in the "Stable_2_Party" CSCV state and being in the "Monitoring" FSM for CS state, accepts a ConnectToResource invoke component received from the SCF (does not send a returnError component), when the resourceAddress received indicates "ipAddressAndLegID; ipRoutingAddress being a valid SRF address, legID=leg 2".
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 11.13 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 13.1.1
Selection Cond.	InitiatingAddressedSRF
Preamble:	PRE_S2P_MON
Test description	L1!ConnectToResource (resourceAddress: ipRoutingAddress = valid SRF address, legID 2)
Pass criteria	no ConnectToResource returnError received (within some Wait-time)
Postamble:	DisconnectForwardReleaseAB

IN3_A_SRF_CR_BV_14	
Work item no.:	ITEM_SRF_48
IN2 Ref(tmp)	None
Purpose:	Verify that the Initiating SSF, being in the CS configuration S1P_1P and being in the "Wait for instructions" FSM for CS state for CS2, accepts a ConnectToResource invoke component received from the SCF (does not send a returnError component), when the resourceAddress received indicates "ipAddressAndLegID; ipRoutingAddress being a valid SRF address, legID=leg 1".
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 11.13 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 13.1.1
Selection Cond.	InitiatingAddressedSRF
Preamble:	PRE_S1P_1P_MON
Test description	CP1_1!ServiceFeatureIndication L1!ConnectToResource (resourceAddress: ipRoutingAddress = valid SRF address, legID 1)
Pass criteria	no ConnectToResource returnError received (within some Wait-time)
Postamble:	DisconnectFWAReleaseAB(legID 1)

IN3_A_SRF_CR_BV_15	
Work item no.:	ITEM_SRF_49
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, handling a single-CS CSA with a single leg and being in the "Wait for instructions" FSM for CS state, accepts a ConnectToResource invoke component received from the SCF (does not send a returnError component), when the resourceAddress received indicates "ipAddressAndCallSegment; ipRoutingAddress being a valid SRF address, csID=CS 1". In case of an Assisting or Handed-off SSF: verify also that a SetupResp is sent to the Initiating SSF.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.13 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 13.1.1
Selection Cond.	InitiatingAddressedSRF
Preamble:	PRE_WFI
Test description	L1!ConnectToResource (resourceAddress: ipAddressAndCallSegment; ipRoutingAddress being a valid SRF address, csID 1)
Pass criteria	no ConnectToResource returnError received (within some Wait-time)
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_CR_BV_16	
Work item no.:	ITEM_SRF_50
IN2 Ref(tmp)	None
Purpose:	Verify that the Initiating SSF, being in the CS configuration S1P_1P and being in the "Monitoring" FSM for CS state for CS1, accepts a ConnectToResource invoke component received from the SCF (does not send a returnError component), when the resourceAddress received indicates "ipAddressAndCallSegment; ipRoutingAddress being a valid SRF address, csID 1".
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 11.13 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 13.1.1
Selection Cond.	InitiatingAddressedSRF
Preamble:	PRE_S1P_1P_MON
Test description	L1!ConnectToResource (resourceAddress: ipAddressAndCallSegment; ipRoutingAddress being a valid SRF address, csID 1)
Pass criteria	no ConnectToResource returnError received (within some Wait-time)
Postamble:	DisconnectFWAReleaseAB(csID 1)

IN3_A_SRF_CR_BV_17	
Work item no.:	ITEM_SRF_51
IN2 Ref(tmp)	None
Purpose:	Verify that the Assisting or Handed-off SSF, handling a single-CS CSA with a single leg and being in the "Wait for instructions" FSM for CS state, aborts the TCAP transaction when it receives a ReleaseInd from the Initiating SSF at SigCon A (before a ConnectToResource invoke component has been received from the SCF).
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.13, 15.1.1.1.1.2 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 13.1.1
Selection Cond.	AssistingOrHandedOff
Preamble:	PRE_WFI
Test description	CP1_1!ReleaseInd(Normal clearing)
Pass criteria	TCAP dialog abort received
Postamble:	None

IN3_A_SRF_CR_BV_18	
Work item no.:	ITEM_SRF_52
IN2 Ref(tmp)	None
Purpose:	Verify that the Assisting or Handed-off SSF, handling a single-CS CSA with a single leg and being in the "Wait for instructions" FSM for CS state, accepts a ConnectToResource invoke component received from the SCF (does not send a returnError component), when the resourceAddress received indicates a valid resourceAddress. Verify also that a SetupResp is sent to the Initiating SSF.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.13 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 13.1.1
Selection Cond.	AssistingOrHandedOff
Preamble:	PRE_WFI
Test description	L1!ConnectToResource (valid resourceAddress)
Pass criteria	CP1_1?SetupResp CP1_1!ReleaseInd(Normal clearing)
Postamble:	None

IN3_A_SRF_CR_BV_19	
Work item no.:	ITEM_SRF_144
IN2 Ref(tmp)	None
Purpose:	Verify that the Initiating SSF, being in the CS configuration S1P_1P and being in the "Monitoring" FSM for CS state for CS1 and CS2, accepts two ConnectToResource invoke components received from the SCF, one for each CS.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.13 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 13.1.1
Selection Cond.	InitiatingA
Preamble:	PRE_S1P_1P_MON
Test description	L1!ConnectToResource (valid resourceAddress indicating csID=1) Wait a while L1!ConnectToResource (valid resourceAddress indicating csID=2) Wait a while
Pass criteria	No ConnectToResource returnError received
Postamble:	DisconnectFWAResourceReleaseAB2(csID 1,csID 2)

IN3_A_SRF_CR_BI_01	
Work item no.:	ITEM_SRF_3
IN2 Ref(tmp)	IN2_A_BASIC_CR_BI_01
Purpose:	Verify that the SSF sends a ConnectToResource returnError component indicating errorCode "missing parameter" after having received a ConnectToResource invoke component without parameter " resourceAddress "
Requirement ref	Part 1.2: 8.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3
Selection Cond.	ConfigurationA
Preamble:	PRE_WFI
Test description	SCF sends to the SSF a ConnectToResource invoke component NOT containing mandatory parameter " resourceAddress "
Pass criteria	L1?ConnectToResource returnError(missingParameter)
Postamble:	ReleaseA

IN3_A_SRF_CR_BI_02	
Work item no.:	ITEM_SRF_53
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF sends a ConnectToResource returnError component indicating errorCode "unknownLegID", after having received a ConnectToResource invoke component with resourceAddress indicating "legID 2" (invalid).
Requirement ref	Part 1.2: 8.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3
Selection Cond.	InitiatingPredefinedSRF
Preamble:	PRE_WFI
Test description	L1! ConnectToResource invoke (resourceAddress = "legID 2")
Pass criteria	L1? ConnectToResource returnError(unknownLegID)
Postamble:	ReleaseA

IN3_A_SRF_CR_BI_03	
Work item no.:	ITEM_SRF_54
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF sends a ConnectToResource returnError component indicating errorCode "unexpectedDataValue", after having received a ConnectToResource invoke component with resourceAddress indicating "csID 2" (invalid).
Requirement ref	Part 1.2: 8.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3
Selection Cond.	InitiatingPredefinedSRF
Preamble:	PRE_WFI
Test description	L1! ConnectToResource invoke (resourceAddress = "csID 2")
Pass criteria	L1? ConnectToResource returnError(unexpectedDataValue)
Postamble:	ReleaseA

IN3_A_SRF_CR_BI_04	
Work item no.:	ITEM_SRF_55
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF sends a ConnectToResource returnError component indicating errorCode "unknownLegID", after having received a ConnectToResource invoke component with resourceAddress indicating "ipAddressAndLegID; ipRoutingAddress being a valid SRF address, legID 2" (invalid).
Requirement ref	Part 1.2: 8.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3
Selection Cond.	InitiatingAddressedSRF
Preamble:	PRE_WFI
Test description	L1! ConnectToResource invoke (resourceAddress: "ipAddressAndLegID; ipRoutingAddress being a valid SRF address, legID 2" (invalid))
Pass criteria	L1? ConnectToResource returnError(unknownLegID)
Postamble:	ReleaseA

IN3_A_SRF_CR_BI_05	
Work item no.:	ITEM_SRF_56
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF sends a ConnectToResource returnError component indicating errorCode "unexpectedDataValue", after having received a ConnectToResource invoke component with resourceAddress indicating "ipAddressAndCallSegment; ipRoutingAddress being a valid SRF address, csID 2" (invalid).
Requirement ref	Part 1.2: 8.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3
Selection Cond.	InitiatingAddressedSRF
Preamble:	PRE_WFI
Test description	L1! ConnectToResource invoke (resourceAddress: ipAddressAndCallSegment; ipRoutingAddress being a valid SRF address, csID 2)
Pass criteria	L1? ConnectToResource returnError(unexpectedDataValue)
Postamble:	ReleaseA

IN3_A_SRF_CR_BI_06	
Work item no.:	ITEM_SRF_57
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF sends a ConnectToResource returnError component indicating errorCode "unexpectedDataValue", after having received a ConnectToResource invoke component with resourceAddress indicating "ipAddressAndLegID; ipRoutingAddress being an invalid SRF address, legID 1".
Requirement ref	Part 1.2: 8.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3
Selection Cond.	InitiatingAddressedSRF
Preamble:	PRE_WFI
Test description	L1! ConnectToResource invoke (resourceAddress: "ipAddressAndLegID; ipRoutingAddress being an invalid SRF address, legID 1")
Pass criteria	L1? ConnectToResource returnError(unexpectedDataValue)
Postamble:	ReleaseA

IN3_A_SRF_CR_BI_07	
Work item no.:	ITEM_SRF_58
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF sends a ConnectToResource returnError component indicating errorCode "unexpectedComponentSequence", after having received a ConnectToResource invoke component with resourceAddress indicating "none" (because 2 CSs are present).
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 11.13 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 13.1.1
Selection Cond.	InitiatingPredefinedSRF
Preamble:	PRE_S1P_1P_MON
Test description	L1! ConnectToResource (resourceAddress = none)
Pass criteria	L1? ConnectToResource returnError(unexpectedComponentSequence)
Postamble:	ReleaseAB

IN3_A_SRF_CR_BI_08	
Work item no.:	ITEM_SRF_59
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF sends a ConnectToResource returnError component indicating errorCode "unexpectedComponentSequence", after having received a ConnectToResource invoke component with resourceAddress indicating "ipRoutingAddress" with a valid SRF address (because 2 CSs are present).
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 11.13 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 13.1.1
Selection Cond.	InitiatingAddressedSRF
Preamble:	PRE_S1P_1P_MON
Test description	L1! ConnectToResource (resourceAddress = ipRoutingAddress)
Pass criteria	L1? ConnectToResource returnError(unexpectedComponentSequence)
Postamble:	ReleaseAB

6.5.3 DisconnectForwardConnection procedures

6.5.3.1 DisconnectForwardConnection (DF) procedure (without argument)

IN3_A_SRF_DF_BV_01	
Work item no.:	ITEM_SRF_158
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF, related to a single-CS CSA with a single leg, and being in the "Waiting for End of User Interaction" FSM for CS state, does not send a DisconnectForwardConnection returnError component when having received a DisconnectForwardConnection invoke component from the SCF.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.4, 8.2.2.6, 8.2.2.7, 8.3.3, 8.4.2, 8.4.3, 11.18 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.18.1, 9.18.3.1, 9.8, 13.1.1
Selection Cond.	
Preamble:	PRE_WFI
Test description	L1!ConnectToResource invoke(resourceAddress: valid, identifying CS1/leg1) Wait L1! DisconnectForwardConnection invoke
Pass criteria	No DisconnectForwardConnection returnError received (during some wait-time)
Postamble:	ReleaseA

IN3_A_SRF_DF_BV_02	
Work item no.:	ITEM_SRF_159
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF, related to a single-CS CSA in the "Stable_2_Party" (S2P) CSCV state and being in the "Waiting for End of End of User Interaction (MON)" FSM for CS state, does not send a DisconnectForwardConnection returnError component when having received a DisconnectForwardConnection invoke component from the SCF.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.4, 8.2.2.6, 8.2.2.7, 8.3.3, 8.4.2, 8.4.3, 11.18 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.18.1, 9.18.3.1, 9.8, 13.1.1
Selection Cond.	
Preamble:	PRE_S2P_MON
Test description	L1!ConnectToResource invoke(resourceAddress: valid, identifying CS1) Wait L1! DisconnectForwardConnection invoke
Pass criteria	No DisconnectForwardConnection returnError received (during some wait-time)
Postamble:	ReleaseAB

IN3_A_SRF_DF_BO_01	
Work item no.:	ITEM_SRF_160
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, operating a single-CS CSA in the "Originating_Setup" (OS) CSCV state and being in the "Wait for Instructions" FSM for CS state (not having established a connection to the SRF), sends a DisconnectForwardConnection returnError component indicating errorCode "unexpectedComponentSequence", after having received an DisconnectForwardConnection invoke component.
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.3, 8.2.2.4, 8.2.2.6, 8.2.2.7, 8.3.3, 8.4.3, 11.18
Selection Cond.	
Preamble:	PRE_WFI
Test description	L1! DisconnectForwardConnection invoke
Pass criteria	L1? DisconnectForwardConnection returnError(UnexpectedComponentSequence)
Postamble:	ReleaseA

IN3_A_SRF_DF_BO_02	
Work item no.:	ITEM_SRF_161
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, operating a single-CS CSA in the "Stable_2_Party (S2P) CSCV state and being in the "Monitoring" FSM for CS state (not having established a connection to the SRF), sends a DisconnectForwardConnection returnError component indicating errorCode "unexpectedComponentSequence", after having received an DisconnectForwardConnection invoke component.
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.3, 8.2.2.4, 8.2.2.6, 8.2.2.7, 8.3.3, 8.4.3, 11.18
Selection Cond.	
Preamble:	PRE_S2P_MON
Test description	L1! DisconnectForwardConnection invoke
Pass criteria	L1? DisconnectForwardConnection returnError(UnexpectedComponentSequence)
Postamble:	ReleaseAB

6.5.3.2 DisconnectForwardConnectionWithArgument (DW) procedure

IN3_A_SRF_DW_BV_01	
Work item no.:	ITEM_SRF_162
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF, related to a single-CS CSA with a single leg and being in the "Waiting for End of User Interaction" FSM for CS state, does not send a DisconnectForwardConnectionWithArgument returnError component when having received from the SCF a DisconnectForwardConnectionWithArgument invoke component, indicating partyToDisconnect "legID 1".
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.4, 8.2.2.6, 8.2.2.7, 8.3.3, 8.4.2, 8.4.3, 11.18 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.18.1, 9.18.3.1, 9.8, 13.1.1
Selection Cond.	
Preamble:	PRE_WFI
Test description	L1!ConnectToResource invoke(resourceAddress: valid, identifying CS1/leg1) Wait L1! DisconnectForwardConnectionWithArgument invoke(partyToDisconnect "legID 1")
Pass criteria	No DisconnectForwardConnectionWithArgument returnError component received (during some wait-time)
Postamble:	ReleaseA

IN3_A_SRF_DW_BV_02	
Work item no.:	ITEM_SRF_163
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF, related to a two-CS CSA in the "Stable_1_Party" (S1P) and "1_Party" (1P) CSCV states respectively, and being in the "Waiting for End of End of User Interaction (MON)" FSM for CS state for CS 2, does not send a DisconnectForwardConnectionWithArgument returnError component when having received from the SCF a DisconnectForwardConnectionWithArgument invoke component, indicating partyToDisconnect "csID 2".
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.4, 8.2.2.6, 8.2.2.7, 8.3.3, 8.4.2, 8.4.3, 11.18 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.18.1, 9.18.3.1, 9.8, 13.1.1
Selection Cond.	
Preamble:	PRE_S1P_1P_MON
Test description	L1!ConnectToResource invoke(resourceAddress: valid, identifying CS2/leg1) Wait L1! DisconnectForwardConnectionWithArgument invoke (partyToDisconnect "csID 2")
Pass criteria	No DisconnectForwardConnectionWithArgument returnError component received (during some wait-time)
Postamble:	ReleaseAB

IN3_A_SRF_DW_BI_01	
Work item no.:	ITEM_SRF_164
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF, related to a single-CS CSA with a single leg, and being in the "Waiting for End of End of User Interaction" FSM for CS state, sends a DisconnectForwardConnectionWithArgument returnError component indicating errorCode "missingParameter", after having received an DisconnectForwardConnectionWithArgument invoke component without partyToDisconnect parameter.
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.3, 8.2.2.4, 8.2.2.6, 8.2.2.7, 8.3.3, 8.4.3, 11.18
Selection Cond.	
Preamble:	PRE_WFI
Test description	L1!ConnectToResource invoke(resourceAddress: valid, identifying CS1/leg1) Wait L1! DisconnectForwardConnectionWithArgument invoke(no partyToDisconnect parameter)
Pass criteria	L1? DisconnectForwardConnectionWithArgument returnError(missingParameter)
Postamble:	DisconnectFWAReleaseA(legID 1)

IN3_A_SRF_DW_BI_02	
Work item no.:	ITEM_SRF_165
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF, related to a two-CS CSA in the "Stable_1_Party (S2P) and "1_Party" CSCV states respectively, and being in the "Waiting for End of End of User Interaction" FSM for CS state related to CS1, sends a DisconnectForwardConnectionWithArgument returnError component indicating errorCode "unknownLegID", after having received an DisconnectForwardConnectionWithArgument invoke component with partyToDisconnect parameter value indicating "legID 3" (invalid).
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.3, 8.2.2.4, 8.2.2.6, 8.2.2.7, 8.3.3, 8.4.3, 11.18
Selection Cond.	
Preamble:	PRE_S1P_1P_MON
Test description	CP1_2!ServiceFeatureIndication L1!ConnectToResource invoke(resourceAddress: valid, identifying CS2/leg1) Wait L1! DisconnectForwardConnectionWithArgument invoke(partyToDisconnect parameter: "legID 3")
Pass criteria	L1? DisconnectForwardConnectionWithArgument returnError(unknownLegID)
Postamble:	DisconnectFWAReleaseAB(legID 2)

IN3_A_SRF_DW_BI_03	
Work item no.:	ITEM_SRF_166
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF, related to a two-CS CSA in the "Stable_1_Party (S2P) and "1_Party" CSCV states respectively, and being in the "Waiting for End of End of User Interaction (MON)" FSM for CS state related to CS2, sends a DisconnectForwardConnectionWithArgument returnError component indicating errorCode "unexpectedDataValue", after having received an DisconnectForwardConnectionWithArgument invoke component with partyToDisconnect parameter value indicating "csID 3" (invalid).
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.3, 8.2.2.4, 8.2.2.6, 8.2.2.7, 8.3.3, 8.4.3, 11.18
Selection Cond.	
Preamble:	PRE_S1P_1P_MON
Test description	L1!ConnectToResource invoke(resourceAddress: valid, identifying CS2/leg1) Wait L1! DisconnectForwardConnectionWithArgument invoke(partyToDisconnect parameter: "csID 3")
Pass criteria	L1? DisconnectForwardConnectionWithArgument returnError(unexpectedDataValue)
Postamble:	DisconnectFWAReleaseAB(csID 2)

IN3_A_SRF_DW_BO_01	
Work item no.:	ITEM_SRF_167
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, operating a single-CS CSA in the "Originating_Setup" (OS) CSCV state and being in the "Wait for Instructions" FSM for CS state (not having established a connection to the SRF), sends a DisconnectForwardConnectionWithArgument returnError component indicating errorCode "unexpectedComponentSequence", after having received an DisconnectForwardConnectionWithArgument invoke component (partyToDisconnect legID 1).
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.3, 8.2.2.4, 8.2.2.6, 8.2.2.7, 8.3.3, 8.4.3, 11.18
Selection Cond.	
Preamble:	PRE_WFI
Test description	L1! DisconnectForwardConnectionWithArgument invoke(partyToDisconnect legID 1)
Pass criteria	L1? DisconnectForwardConnectionWithArgument returnError(UnexpectedComponentSequence)
Postamble:	ReleaseA

IN3_A_SRF_DW_BO_02	
Work item no.:	ITEM_SRF_168
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, operating a single-CS CSA in the "Stable_2_Party (S2P) CSCV state and being in the "Monitoring" FSM for CS state (not having established a connection to the SRF), sends a DisconnectForwardConnectionWithArgument returnError component indicating errorCode "unexpectedComponentSequence", after having received an DisconnectForwardConnectionWithArgument invoke component indicating partyToDisconnect "legID 1".
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.3, 8.2.2.4, 8.2.2.6, 8.2.2.7, 8.3.3, 8.4.3, 11.18
Selection Cond.	
Preamble:	PRE_S2P_MON
Test description	L1! DisconnectForwardConnectionWithArgument invoke(partyToDisconnect "legID 1")
Pass criteria	L1? DisconnectForwardConnectionWithArgument returnError(UnexpectedComponentSequence)
Postamble:	ReleaseAB

6.5.4 Play Announcement (PA) procedure

This group of TPs is selected/deselected by selection expression **PAImplemented**.

IN3_A_SRF_PA_BV_01	
Work item no.:	ITEM_SRF_8
IN2 Ref(tmp)	IN2_A_BASIC_PA_BV_01
Purpose:	Verify that the SSF, having established a connection to the SRF for a CS containing one leg, does not send a PlayAnnouncement returnError component, when having received a PlayAnnouncement invoke component from the SCF, containing parameters informationToSend (any valid value), disconnectFromIPForbidden (TRUE; DEFAULT), requestAnnouncementComplete (FALSE) and connectedParty (valid).
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.5.3.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.18.1, 9.18.3.1, 9.8, 13.1.1
Selection Cond.	
Preamble:	PRE_UI_CTR_PA
Test description	L1!PlayAnnouncement invoke (informationToSend: "any valid value"; disconnectFromIPForbidden: TRUE; requestAnnouncementComplete: FALSE; connectedParty: valid)
Pass criteria	The IUT does not send a PlayAnnouncement returnError component (within some Wait-time)
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_PA_BV_02	
Work item no.:	ITEM_SRF_95
IN2 Ref(tmp)	None
Purpose:	Verify that the Initiating SSF, having established a connection to the SRF for a CS containing two legs, does not send a PlayAnnouncement returnError component, when having received a PlayAnnouncement invoke component from the SCF, containing parameters informationToSend (any valid value), disconnectFromIPForbidden (TRUE; DEFAULT), requestAnnouncementComplete (FALSE) and connectedParty (valid).
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.5.3.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.18.1, 9.18.3.1, 9.8, 13.1.1
Selection Cond.	InitiatingA
Preamble:	PRE_S2P_MON
Test description	L1!ConnectToResource(UI_CTR_RES_ADDR_PA_S2P) L1!PlayAnnouncement invoke (informationToSend: "any valid value"; disconnectFromIPForbidden: TRUE; requestAnnouncementComplete: FALSE; connectedParty: valid)
Pass criteria	The IUT does not send a PlayAnnouncement returnError component (within some Wait-time)
Postamble:	DisconnectForwardReleaseAB

IN3_A_SRF_PA_BV_03	
Work item no.:	ITEM_SRF_96
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF for a CS containing one leg, does not send a PlayAnnouncement returnError component, when having received a PlayAnnouncement invoke component from the SCF, containing parameters informationToSend (any valid value), disconnectFromIPForbidden (FALSE), requestAnnouncementComplete (FALSE) and connectedParty (valid).
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.5.3.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.18.1, 9.18.3.1, 9.8, 13.1.1
Selection Cond.	NotRelayAssistingMethod
Preamble:	PRE_UI_CTR_PA
Test description	L1!PlayAnnouncement invoke (informationToSend: "any valid value"; disconnectFromIPForbidden: FALSE ; requestAnnouncementComplete: FALSE; connectedParty: valid)
Pass criteria	The IUT does not send a PlayAnnouncement returnError component (within some Wait-time)
Postamble:	ReleaseA

IN3_A_SRF_PA_BV_04	
Work item no.:	ITEM_SRF_86
IN2 Ref(tmp)	IN2_A_BASIC_PA_BV_02
Purpose:	Verify that the SSF, having established a connection to the SRF, sends a SpecializedResourceReport invoke component, when having received a PlayAnnouncement invoke component from the SCF, containing parameters informationToSend (any valid value), disconnectFromIPForbidden (TRUE; DEFAULT), requestAnnouncementComplete (TRUE; DEFAULT) and connectedParty (valid).
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.5.3.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.18.1, 9.18.3.1, 9.8, 13.1.1
Selection Cond.	
Preamble:	PRE_UI_CTR_PA
Test description	L1!PlayAnnouncement invoke (informationToSend: "any valid value"; disconnectFromIPForbidden: TRUE; requestAnnouncementComplete: TRUE; connectedParty: valid)
Pass criteria	L1?SpecializedResourceReport invoke
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_PA_BV_05	
Work item no.:	ITEM_SRF_87
IN2 Ref(tmp)	IN2_A_BASIC_PA_BV_03
Purpose:	Verify that the SSF, having established a connection to the SRF, sends a PlayAnnouncement returnError component indicating errorCode "cancelled", when having received a PlayAnnouncement invoke component from the SCF, containing parameters informationToSend (any valid value enabling interruption/cancellation), disconnectFromIPForbidden (TRUE; DEFAULT), requestAnnouncementComplete (FALSE) and connectedParty (valid), during PlayAnnouncement operation followed by a CANCEL invoke component indicating "invokeID" to identify the operation to be cancelled.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.5.3.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.18.1, 9.18.3.1, 9.8, 13.1.1
Selection Cond.	PAInterruptable
Preamble:	PRE_UI_CTR_PA
Test description	L1!PlayAnnouncement invoke (informationToSend: "any valid value enabling interruption/cancellation"; disconnectFromIPForbidden: TRUE; requestAnnouncementComplete: TRUE; connectedParty: valid) L1!CANCEL invoke(invokeID)
Pass criteria	L1?PlayAnnouncement returnError(cancelled)
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_PA_BV_06	
Work item no.:	ITEM_SRF_93
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF, sends a PlayAnnouncement returnError component indicating errorCode "cancelled", when having received a PlayAnnouncement invoke component from the SCF, containing parameters informationToSend (any valid value enabling interruption/cancellation), disconnectFromIPForbidden (TRUE; DEFAULT), requestAnnouncementComplete (FALSE) and connectedParty (valid), during PlayAnnouncement operation followed by a CANCEL invoke component indicating "callSegmentToCancel" to identify the operation to be cancelled.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.5.3.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.18.1, 9.18.3.1, 9.8, 13.1.1
Selection Cond.	PAInterruptable
Preamble:	PRE_UI_CTR_PA
Test description	L1!PlayAnnouncement invoke (informationToSend: "any valid value enabling interruption/cancellation"; disconnectFromIPForbidden: TRUE; requestAnnouncementComplete: TRUE; connectedParty: (valid) L1!CANCEL invoke(callSegmentToCancel (invokeID, csID=UI_PA_CS)
Pass criteria	L1?PlayAnnouncement returnError(cancelled)
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_PA_BI_01	
Work item no.:	ITEM_SRF_88
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF, sends a PlayAnnouncement returnError component indicating errorCode "missingParameter", when having received a PlayAnnouncement invoke component from the SCF, without mandatory parameter informationToSend .
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.5.3.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.18.1, 9.18.3.1, 9.8, 13.1.1
Selection Cond.	
Preamble:	PRE_UI_CTR_PA
Test description	L1!PlayAnnouncement invoke (no informationToSend; disconnectFromIPForbidden: TRUE; requestAnnouncementComplete: FALSE; connectedParty: valid)
Pass criteria	L1?PlayAnnouncement returnError(missingParameter)
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_PA_BI_02	
Work item no.:	ITEM_SRF_89
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF, sends a PlayAnnouncement returnError component indicating errorCode "unknownLegID", when having received a PlayAnnouncement invoke component from the SCF, with parameter connectedParty legID 3 (invalid).
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.5.3.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.18.1, 9.18.3.1, 9.8, 13.1.1
Selection Cond.	
Preamble:	PRE_UI_CTR_PA
Test description	L1!PlayAnnouncement invoke (valid informationToSend; disconnectFromIPForbidden: TRUE; requestAnnouncementComplete: FALSE; connectedParty: legID 3)
Pass criteria	L1?PlayAnnouncement returnError(unknownLegID)
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_PA_BI_03	
Work item no.:	ITEM_SRF_90
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF, sends a PlayAnnouncement returnError component indicating errorCode "unexpectedDataValue", when having received a PlayAnnouncement invoke component from the SCF, with parameter connectedParty csID 3 (invalid).
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.5.3.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.18.1, 9.18.3.1, 9.8, 13.1.1
Selection Cond.	
Preamble:	PRE_UI_CTR_PA
Test description	L1!PlayAnnouncement invoke (valid informationToSend; disconnectFromIPForbidden: TRUE; requestAnnouncementComplete: FALSE; connectedParty: csID 3)
Pass criteria	L1?PlayAnnouncement returnError(unexpectedDataValue)
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_PA_BI_04	
Work item no.:	ITEM_SRF_91
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF, sends a PlayAnnouncement returnError component indicating errorCode "unexpectedDataValue", when having received a PlayAnnouncement invoke component from the SCF, with parameter connectedParty indicating a valid legID or csID not being compatible with the resourceAddress used in the ConnectToResource invoke component received.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.5.3.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.18.1, 9.18.3.1, 9.8, 13.1.1
Selection Cond.	
Preamble:	PRE_UI_CTR_PA
Test description	L1!PlayAnnouncement invoke (valid informationToSend; disconnectFromIPForbidden: TRUE; requestAnnouncementComplete: FALSE; connectedParty: incompatible value)
Pass criteria	L1?PlayAnnouncement returnError(unexpectedDataValue)
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_PA_BO_01	
Work item no.:	ITEM_SRF_92
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, not having established a connection to the SRF, sends a PlayAnnouncement returnError component indicating errorCode "taskRefused" or "unexpectedComponentSequence", when having received a PlayAnnouncement invoke component from the SCF.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.5.3.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.18.1, 9.18.3.1, 9.8, 13.1.1
Selection Cond.	
Preamble:	PRE_S1P_1P_MON
Test description	L1!PlayAnnouncement invoke (valid informationToSend; disconnectFromIPForbidden: TRUE; requestAnnouncementComplete: FALSE; connectedParty: valid)
Pass criteria	L1?PlayAnnouncement returnError("taskRefused" or "unexpectedComponentSequence")
Postamble:	ReleaseAB

IN3_A_SRF_PA_BO_02	
Work item no.:	ITEM_SRF_94
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF, sends a Cancel returnError component indicating errorCode "cancelFailed", when having received a PlayAnnouncement invoke component from the SCF, containing parameters informationToSend (any valid value enabling interruption/cancellation), disconnectFromIPForbidden (TRUE; DEFAULT), requestAnnouncementComplete (FALSE) and connectedParty (valid), after PlayAnnouncement operation completion followed by a CANCEL invoke component.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.5.3.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.18.1, 9.18.3.1, 9.8, 13.1.1
Selection Cond.	
Preamble:	PRE_UI_CTR_PA
Test description	L1!PlayAnnouncement invoke (valid informationToSend; disconnectFromIPForbidden: TRUE; requestAnnouncementComplete: TRUE) Wait for PA end L1!CANCEL invoke(invokeID)
Pass criteria	L1?Cancel returnError(cancelFailed)
Postamble:	DisconnectForwardReleaseA

6.5.5 PromptAndCollectUserInformation (PC) procedure

This group of TPs is selected/deselected by selection expression **PCUImplemented**.

IN3_A_SRF_PC_BV_01	
Work item no.:	ITEM_SRF_11
IN2 Ref(tmp)	IN2_A_BASIC_PC_BV_01
Purpose:	Verify that the SSF, having established a connection to the SRF for a CS containing one joined leg, sends a PromptAndCollectUserInformation returnResult component, when having received a PromptAndCollectUserInformation invoke component from the SCF, containing parameters collectedInfo (any valid value) informationToSend (any valid value), disconnectFromIPForbidden (TRUE; DEFAULT) and callSegmentID (valid).
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1, 11.18.3.1, 11.19.1, 11.19.3.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.9, 9.9.3.1, 9.9.4.1, 13.1.1
Selection Cond.	
Preamble:	PRE_UI_CTR_PR_1P
Test description	L1!PromptAndCollectUserInformation invoke (collectedInfo: any valid value; disconnectFromIPForbidden: TRUE; informationToSend: any valid value; callSegmentID: valid) CP1_1?CallProgress(CPType_PCU) CP1_1!Data(DataType_PCU_Result)
Pass criteria	L1?PromptAndCollectUserInformation returnResult
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_PC_BV_02	
Work item no.:	ITEM_SRF_12
IN2 Ref(tmp)	IN2_A_BASIC_PC_BV_02
Purpose:	Verify that the SSF, having established a connection to the SRF for a CS containing one joined leg, sends a PromptAndCollectUserInformation returnResult component, when having received a PromptAndCollectUserInformation invoke component from the SCF, containing parameters collectedInfo (any valid value) informationToSend (any valid value), disconnectFromIPForbidden (FALSE) and callSegmentID (valid).
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1, 11.18.3.1, 11.19.1, 11.19.3.1, 11.9.1, 11.9.1.1.1, 11.9.3.1, 11.9.3.2 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.10.4.2, 9.3, 9.8.4.2, 9.9, 9.9.3.1, 9.9.4.1, 9.9.4.2, 11.1, 11.1.1.1.1, 11.1.1.1.2, 13.1.1
Selection Cond.	NotRelayAssistingMethod
Preamble:	PRE_UI_CTR_PR_1P
Test description	L1!PromptAndCollectUserInformation invoke (collectedInfo: any valid value; disconnectFromIPForbidden: FALSE ; informationToSend: any valid value; callSegmentID: valid) CP1_1?CallProgress(CPType_PCU) CP1_1!Data(DataType_PCU_Result)
Pass criteria	L1?PromptAndCollectUserInformation returnResult
Postamble:	ReleaseA

IN3_A_SRF_PC_BV_03	
Work item no.:	ITEM_SRF_102
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF for the initial CS containing one joined leg, sends a PromptAndCollectUserInformation returnResult component, when having received a PromptAndCollectUserInformation invoke component from the SCF, containing parameters collectedInfo (any valid value) informationToSend (any valid value) and disconnectFromIPForbidden (TRUE; DEFAULT), parameter callSegmentID being omitted.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1, 11.18.3.1, 11.19.1, 11.19.3.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.9, 9.9.3.1, 9.9.4.1, 13.1.1
Selection Cond.	
Preamble:	PRE_UI_CTR_PR_1P
Test description	L1!PromptAndCollectUserInformation invoke (collectedInfo: any valid value; informationToSend: any valid value; disconnectFromIPForbidden: TRUE; callSegmentID: omitted) CP1_1?CallProgress(CPType_PCU) CP1_1!Data(DataType_PCU_Result)
Pass criteria	L1?PromptAndCollectUserInformation returnResult
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_PC_BV_04	
Work item no.:	ITEM_SRF_97
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF, sends a PromptAndCollectUserInformation returnError component indicating errorCode "cancelled", when having received a PromptAndCollectUserInformation invoke component from the SCF, containing parameters collectedInfo (any valid value) informationToSend (any valid value), disconnectFromIPForbidden (TRUE;DEFAULT) and callSegmentID (valid), during PromptAndCollectUserInformation operation followed by a CANCEL invoke component.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1, 11.18.3.1, 11.19.1, 11.19.3.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.9, 9.9.3.1, 9.9.4.1, 13.1.1
Selection Cond.	
Preamble:	PRE_UI_CTR_PR_1P
Test description	L1!PromptAndCollectUserInformation invoke (collectedInfo: any valid value; informationToSend: any valid value; disconnectFromIPForbidden: TRUE; callSegmentID: valid) CP1_1?CallProgress(CPType_PCU) L1!CANCEL
Pass criteria	L1?PromptAndCollectUserInformation returnError(cancelled)
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_PC_BV_05	
Work item no.:	ITEM_SRF_98
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF, sends a PromptAndCollectUserInformation returnResult component and does not send a PlayAnnouncement returnError component, when having received a PromptAndCollectUserInformation invoke component, followed by a PlayAnnouncement invoke component (the SRF buffers the PlayAnnouncement operation until the PromptAndCollectUserInformation operation is completed).
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1, 11.18.3.1, 11.19.1, 11.19.3.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.9, 9.9.3.1, 9.9.4.1, 13.1.1
Selection Cond.	
Preamble:	PRE_UI_CTR_PR_S1P_1P
Test description	L1!PromptAndCollectUserInformation invoke (collectedInfo: any valid value; informationToSend: any valid value; disconnectFromIPForbidden: TRUE; callSegmentID: valid) L1!PlayAnnouncement invoke (informationToSend: "any valid value"; disconnectFromIPForbidden: TRUE; requestAnnouncementComplete: FALSE; connectedParty: valid) CP1_1?CallProgress(CPType_PCU) CP1_1!Data(DataType_PCU_Result) L1?PromptAndCollectUserInformation ReturnResultInd
Pass criteria	The IUT does not send a PlayAnnouncement returnError component (within some Wait-time)
Postamble:	DisconnectFWAResponseAB(legID 1)

IN3_A_SRF_PC_BI_01	
Work item no.:	ITEM_SRF_13
IN2 Ref(tmp)	IN2_A_BASIC_PC_BI_01
Purpose:	Verify that the SSF, having established a connection to the SRF, sends a PromptAndCollectUserInformation returnError component indicating errorCode "missingParameter", when having received a PromptAndCollectUserInformation invoke component from the SCF, without mandatory parameter collectedInfo .
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1, 11.18.3.1, 11.19.1, 11.19.3.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.9, 9.9.3.1, 9.9.4.1, 13.1.1
Selection Cond.	
Preamble:	PRE_UI_CTR_PR_1P
Test description	L1!PromptAndCollectUserInformation invoke (collectedInfo: omitted ; informationToSend: any valid value; disconnectFromIPForbidden: TRUE; callSegmentID: valid)
Pass criteria	L1?PromptAndCollectUserInformation returnError(missingParameter)
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_PC_BI_02	
Work item no.:	ITEM_SRF_99
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF, sends a PromptAndCollectUserInformation returnError component indicating errorCode "unexpectedDataValue", when having received a PromptAndCollectUserInformation invoke component from the SCF, with parameter callSegmentID=3 (invalid).
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1, 11.18.3.1, 11.19.1, 11.19.3.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.9, 9.9.3.1, 9.9.4.1, 13.1.1
Selection Cond.	
Preamble:	PRE_UI_CTR_PR_1P
Test description	L1!PromptAndCollectUserInformation invoke (collectedInfo: any valid value; informationToSend: any valid value; disconnectFromIPForbidden: TRUE; callSegmentID: 3 (invalid))
Pass criteria	L1?PromptAndCollectUserInformation returnError(unexpectedDataValue)
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_PC_BI_03	
Work item no.:	ITEM_SRF_100
IN2 Ref(tmp)	None
Purpose:	Verify that the Initiating SSF, having established a connection to the SRF, sends a PromptAndCollectUserInformation returnError component indicating errorCode "unexpectedDataValue", when having received a PromptAndCollectUserInformation invoke component from the SCF, with parameter callSegmentID indicating a valid cslD not being compatible with the resourceAddress used in the ConnectToResource invoke component received.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1, 11.18.3.1, 11.19.1, 11.19.3.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.9, 9.9.3.1, 9.9.4.1, 13.1.1
Selection Cond.	InitiatingA
Preamble:	PRE_UI_CTR_PR_S1P_1P
Test description	L1!PromptAndCollectUserInformation invoke (collectedInfo: any valid value; informationToSend: any valid value; disconnectFromIPForbidden: TRUE; callSegmentID: 1 (invalid))
Pass criteria	L1?PromptAndCollectUserInformation returnError(unexpectedDataValue)
Postamble:	DisconnectFWAResourceReleaseAB(legID 1)

IN3_A_SRF_PC_BO_01	
Work item no.:	ITEM_SRF_101
IN2 Ref(tmp)	None
Purpose:	Verify that the Initiating SSF, having established a connection to the SRF for a CS containing two legs, sends a PromptAndCollectUserInformation returnError component indicating errorCode "taskRefused" or "unexpectedComponentSequence", when having received a PromptAndCollectUserInformation invoke component from the SCF, containing parameters collectedInfo (any valid value) informationToSend (any valid value), disconnectFromIPForbidden (TRUE; DEFAULT) and callSegmentID (valid).
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1, 11.18.3.1, 11.19.1, 11.19.3.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.9, 9.9.3.1, 9.9.4.1, 13.1.1
Selection Cond.	InitiatingA
Preamble:	PRE_UI_CTR_PR_S2P
Test description	L1!PromptAndCollectUserInformation invoke (collectedInfo: any valid value; informationToSend: any valid value; disconnectFromIPForbidden: TRUE; callSegmentID: 1)
Pass criteria	L1?PromptAndCollectUserInformation returnError("taskRefused" or "unexpectedComponentSequence")
Postamble:	DisconnectForwardReleaseAB

IN3_A_SRF_PC_BO_02	
Work item no.:	ITEM_SRF_103
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, not having established a connection to the SRF, sends a PromptAndCollectUserInformation returnError component indicating errorCode "taskRefused" or "unexpectedComponentSequence", when having received a PromptAndCollectUserInformation invoke component from the SCF.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1, 11.18.3.1, 11.19.1, 11.19.3.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.9, 9.9.3.1, 9.9.4.1, 13.1.1
Selection Cond.	
Preamble:	PRE_UI_1P_WFI
Test description	L1!PromptAndCollectUserInformation invoke (collectedInfo: any valid value; informationToSend: any valid value; disconnectFromIPForbidden: TRUE; callSegmentID: valid)
Pass criteria	L1?PromptAndCollectUserInformation returnError("taskRefused" or "unexpectedComponentSequence")
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_PC_BO_03	
Work item no.:	ITEM_SRF_104
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF, sends a Cancel returnError component indicating errorCode "cancelFailed", when having received a CANCEL invoke component after PromptAndCollectUserInformation operation completion.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1, 11.18.3.1, 11.19.1, 11.19.3.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.9, 9.9.3.1, 9.9.4.1, 13.1.1
Selection Cond.	
Preamble:	PRE_UI_CTR_PR_1P
Test description	L1!PromptAndCollectUserInformation invoke (collectedInfo: any valid value; informationToSend: any valid value; disconnectFromIPForbidden: TRUE; callSegmentID: valid) CP1_1?CallProgress(CPType_PCU) CP1_1!Data(DataType_PCU_Result) L1?PromptAndCollectUserInformation returnResult L1!CANCEL
Pass criteria	L1?CANCEL returnError(cancelFailed)
Postamble:	DisconnectForwardReleaseA

6.5.6 PromptAndReceiveMessage (PR) procedure

This group of TPs is selected/deselected by selection expression **PRMImplemented**.

IN3_A_SRF_PR_BV_01	
Work item no.:	ITEM_SRF_105
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF for a CS containing one joined leg, sends a PromptAndReceiveMessage returnResult component, when having received a PromptAndReceiveMessage invoke component from the SCF, containing parameters informationToRecord (any valid value) informationToSend (any valid value), disconnectFromIPForbidden (TRUE; DEFAULT) and callSegmentID (valid).
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1, 11.18.3.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.10, 9.10.3.1, 9.2.4.1
Selection Cond.	
Preamble:	PRE_UI_CTR_PR_1P
Test description	L1!PromptAndReceiveMessage invoke (informationToRecord: any valid value; informationToSend: any valid value; disconnectFromIPForbidden: TRUE; callSegmentID: valid) CP1_1?CallProgress(CPType_PCM) CP1_1!Data(DataType_PCM_Result)
Pass criteria	L1?PromptAndReceiveMessage returnResult
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_PR_BV_02	
Work item no.:	ITEM_SRF_106
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF for a CS containing one joined leg, sends a PromptAndReceiveMessage returnResult component, when having received a PromptAndReceiveMessage invoke component from the SCF, containing parameters informationToRecord (any valid value) informationToSend (any valid value), disconnectFromIPForbidden (FALSE) and callSegmentID (valid).
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1, 11.18.3.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.10, 9.10.3.1, 9.2.4.1
Selection Cond.	NotRelayAssistingMethod
Preamble:	PRE_UI_CTR_PR_1P
Test description	L1!PromptAndReceiveMessage invoke (informationToRecord: any valid value; informationToSend: any valid value; disconnectFromIPForbidden: FALSE ; callSegmentID: valid) CP1_1?CallProgress(CPType_PCM) CP1_1!Data(DataType_PCM_Result)
Pass criteria	L1?PromptAndReceiveMessage returnResult
Postamble:	ReleaseA

IN3_A_SRF_PR_BV_03	
Work item no.:	ITEM_SRF_107
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF for the initial CS containing one joined leg, sends a PromptAndReceiveMessage returnResult component, when having received a PromptAndReceiveMessage invoke component from the SCF, containing parameters informationToRecord (any valid value) informationToSend (any valid value) and disconnectFromIPForbidden (TRUE; DEFAULT), parameter callSegmentID being omitted.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1, 11.18.3.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.10, 9.10.3.1, 9.2.4.1
Selection Cond.	
Preamble:	PRE_UI_CTR_PR_1P
Test description	L1!PromptAndReceiveMessage invoke (informationToRecord: any valid value; informationToSend: any valid value; disconnectFromIPForbidden: TRUE; callSegmentID: omitted) CP1_1?CallProgress(CPType_PCM) CP1_1!Data(DataType_PCM_Result)
Pass criteria	L1?PromptAndReceiveMessage returnResult
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_PR_BV_04	
Work item no.:	ITEM_SRF_108
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF, sends a PromptAndReceiveMessage returnError component indicating errorCode "cancelled", when having received a PromptAndReceiveMessage invoke component from the SCF, containing parameters informationToRecord (any valid value) informationToSend (any valid value), disconnectFromIPForbidden (TRUE;DEFAULT) and callSegmentID (valid), during PromptAndReceiveMessage operation followed by a CANCEL invoke component.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1, 11.18.3.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.10, 9.10.3.1, 9.2.4.1
Selection Cond.	
Preamble:	PRE_UI_CTR_PR_1P
Test description	L1!PromptAndReceiveMessage invoke (informationToRecord: any valid value; informationToSend: any valid value; disconnectFromIPForbidden: TRUE; callSegmentID: valid) CP1_1?CallProgress(CPType_PCM) L1!CANCEL
Pass criteria	L1?PromptAndReceiveMessage returnError(cancelled)
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_PR_BV_05	
Work item no.:	ITEM_SRF_177
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF, sends a PromptAndReceiveMessage returnResult component and does not send a PlayAnnouncement returnError component, when having received a PromptAndReceiveMessage invoke component, followed by a PlayAnnouncement invoke component (the SRF buffers the PlayAnnouncement operation until the PromptAndReceiveMessage operation is completed).
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1, 11.18.3.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.10, 9.10.3.1, 9.2.4.1
Selection Cond.	
Preamble:	PRE_UI_CTR_PR_1P
Test description	L1!PromptAndReceiveMessage invoke (informationToRecord: any valid value; informationToSend: any valid value; disconnectFromIPForbidden: TRUE; callSegmentID: valid) L1!PlayAnnouncement invoke (informationToSend: "any valid value"; disconnectFromIPForbidden: TRUE; requestAnnouncementComplete: FALSE; connectedParty: valid) CP1_1?CallProgress(CPType_PCM) CP1_1!Data(DataType_PCM_Result) L1?PromptAndReceiveMessage ReturnResultInd
Pass criteria	The IUT does not send a PlayAnnouncement returnError component (within some Wait-time)
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_PR_BI_01	
Work item no.:	ITEM_SRF_109
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF, sends a PromptAndReceiveMessage returnError component indicating errorCode "missingParameter", when having received a PromptAndReceiveMessage invoke component from the SCF, without mandatory parameter informationToRecord .
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1, 11.18.3.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.10, 9.10.3.1, 9.2.4.1
Selection Cond.	
Preamble:	PRE_UI_CTR_PR_1P
Test description	L1!PromptAndReceiveMessage invoke (informationToRecord: omitted ; informationToSend: any valid value; disconnectFromIPForbidden: TRUE; callSegmentID: valid; 7media: valid)
Pass criteria	L1?PromptAndReceiveMessage returnError(missingParameter)
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_PR_BI_02	
Work item no.:	ITEM_SRF_110
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF, sends a PromptAndReceiveMessage returnError component indicating errorCode "unexpectedDataValue", when having received a PromptAndReceiveMessage invoke component from the SCF, with parameter callSegmentID=3 (invalid).
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1, 11.18.3.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.10, 9.10.3.1, 9.2.4.1
Selection Cond.	
Preamble:	PRE_UI_CTR_PR_1P
Test description	L1!PromptAndReceiveMessage invoke (informationToRecord: any valid value; informationToSend: any valid value; disconnectFromIPForbidden: TRUE; callSegmentID: 3 (invalid))
Pass criteria	L1?PromptAndReceiveMessage returnError(unexpectedDataValue)
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_PR_BI_03	
Work item no.:	ITEM_SRF_111
IN2 Ref(tmp)	None
Purpose:	Verify that the Initiating SSF, having established a connection to the SRF, sends a PromptAndReceiveMessage returnError component indicating errorCode "unexpectedDataValue", when having received a PromptAndReceiveMessage invoke component from the SCF, with parameter callSegmentID indicating a valid cslD not being compatible with the resourceAddress used in the ConnectToResource invoke component received.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1, 11.18.3.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.10, 9.10.3.1, 9.2.4.1
Selection Cond.	InitiatingA
Preamble:	PRE_UI_CTR_PR_S1P_1P
Test description	L1!PromptAndReceiveMessage invoke (informationToRecord: any valid value; informationToSend: any valid value; disconnectFromIPForbidden: TRUE; callSegmentID: 1 (invalid))
Pass criteria	L1?PromptAndReceiveMessage returnError(unexpectedDataValue)
Postamble:	DisconnectFWAResourceAB(legID 1)

IN3_A_SRF_PR_BO_01	
Work item no.:	ITEM_SRF_112
IN2 Ref(tmp)	None
Purpose:	Verify that the Initiating SSF, having established a connection to the SRF for a CS containing two legs, sends a PromptAndReceiveMessage returnError component indicating errorCode "taskRefused" or "unexpectedComponentSequence", when having received a PromptAndReceiveMessage invoke component from the SCF, containing parameters informationToRecord (any valid value) informationToSend (any valid value), disconnectFromIPForbidden (TRUE; DEFAULT) and callSegmentID (valid).
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1, 11.18.3.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.10, 9.10.3.1, 9.2.4.1
Selection Cond.	InitiatingA
Preamble:	PRE_UI_CTR_PR_S2P
Test description	L1!PromptAndReceiveMessage invoke (informationToRecord: any valid value; informationToSend: any valid value; disconnectFromIPForbidden: TRUE; callSegmentID: 1)
Pass criteria	L1?PromptAndReceiveMessage returnError("taskRefused" or "unexpectedComponentSequence")
Postamble:	DisconnectForwardReleaseAB

IN3_A_SRF_PR_BO_02	
Work item no.:	ITEM_SRF_113
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, not having established a connection to the SRF, sends a PromptAndReceiveMessage returnError component indicating errorCode "taskRefused" or "unexpectedComponentSequence", when having received a PromptAndReceiveMessage invoke component from the SCF.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1, 11.18.3.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.10, 9.10.3.1, 9.2.4.1
Selection Cond.	
Preamble:	PRE_UI_1P_WFI
Test description	L1!PromptAndReceiveMessage invoke (informationToRecord: any valid value; informationToSend: any valid value; disconnectFromIPForbidden: TRUE; callSegmentID: valid)
Pass criteria	L1?PromptAndReceiveMessage returnError("taskRefused" or "unexpectedComponentSequence")
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_PR_BO_03	
Work item no.:	ITEM_SRF_114
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF, sends a Cancel returnError component indicating errorCode "cancelFailed", when having received a CANCEL invoke component after PromptAndReceiveMessage operation completion.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1, 11.18.3.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.10, 9.10.3.1, 9.2.4.1
Selection Cond.	
Preamble:	PRE_UI_CTR_PR_1P
Test description	L1!PromptAndReceiveMessage invoke (informationToRecord: any valid value; informationToSend: any valid value; disconnectFromIPForbidden: TRUE; callSegmentID: valid) CP1_1?CallProgress(CPType_PCM) CP1_1!Data(DataType_PCM_Result) L1?PromptAndReceiveMessage returnResult L1!CANCEL
Pass criteria	L1?CANCEL returnError(cancelFailed)
Postamble:	DisconnectForwardReleaseA

6.5.7 Scripts

This group of TPs is selected/deselected by selection expression **ScriptsImplemented**. It is assumed, that scripts can be freely "programmed", if the implementation of scripts is generally supported. Special assumptions made on scripts used for testing are contained in table 10.

6.5.7.1 ScriptRun

IN3_A_SRF_SR_BV_01	
Work item no.:	ITEM_SRF_25
IN2 Ref(tmp)	IN2_A_BASIC_SR_CA_01
Purpose:	Verify that the SSF, having established a connection to the SRF related to a CS (containing only one leg), does not send a ScriptRun returnError component, when having received a ScriptRun invoke component from the SCF, containing parameters ulScriptId (valid value), ulScriptSpecificInfo (valid value), disconnectFromIPForbidden (TRUE; DEFAULT) and csID (valid value).
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1 Part 1.3: 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.17, 9.2.4.1
Selection Cond.	
Preamble:	PRE_UI_CTR_PR_1P
Test description	L1!ScriptRun invoke(ulScriptId: SCRIPT_1; ulScriptSpecificInfo: valid; disconnectFromIPForbidden: TRUE; csID: 1)
Pass criteria	L1?ScriptEvent(SCRIP_T_1, ulScriptResult: any; csID: 1; lastEventIndicator: any), or CP1_1?CallProgress(CPType_Script, SCRIP_T_1, CPEnd_Ind: any), or ?Timeout (No ScriptRun returnError received)
Postamble:	ScriptCloseDisconnectForwardReleaseA(SCRIP_T_1,SCRIP_T_INFO1,1)

IN3_A_SRF_SR_BV_02	
Work item no.:	ITEM_SRF_131
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF related to a CS (containing only one leg), does not send a ScriptRun returnError component, when having received a ScriptRun invoke component from the SCF, containing parameters ulScriptId (valid value), ulScriptSpecificInfo (valid value), disconnectFromIPForbidden (FALSE) and csID (valid value).
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1 Part 1.3: 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.17, 9.2.4.1
Selection Cond.	
Preamble:	PRE_UI_CTR_PR_1P
Test description	L1!ScriptRun invoke(ulScriptId: SCRIPT_2; ulScriptSpecificInfo: valid; disconnectFromIPForbidden: FALSE; csID: 1)
Pass criteria	L1?ScriptEvent(SCRIP_T_1, ulScriptResult: any; csID: 1; lastEventIndicator: FALSE) NOTE: CallProgress indications of CPType_Script are ignored.
Postamble:	ScriptCloseDisconnectForwardReleaseA(SCRIP_T_2,SCRIP_T_INFO2,1)

IN3_A_SRF_SR_BI_01	
Work item no.:	ITEM_SRF_132
IN2 Ref(tmp)	IN2_A_BASIC_SR_BI_01
Purpose:	Verify that the SSF, having established a connection to the SRF related to a CS, sends a ScriptRun returnError component with error code "unexpectedDataValue", when having received a ScriptRun invoke component from the SCF, where parameter ulScriptId does not identify a script implemented on the SSF/SRF (unknown ulScriptId).
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1 Part 1.3: 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.17, 9.2.4.1
Selection Cond.	
Preamble:	PRE_UI_CTR_PR_1P
Test description	L1!ScriptRun invoke(ulScriptId: unknown ID; ulScriptSpecificInfo: valid; disconnectFromIPForbidden: TRUE; csID: 1)
Pass criteria	L1?ScriptRun returnError(unexpectedDataValue)
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_SR_BI_02	
Work item no.:	ITEM_SRF_133
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF related to a CS, sends a ScriptRun returnError component with error code "missingParameter", when having received a ScriptRun invoke component from the SCF, with mandatory parameter ulScriptId missing.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1 Part 1.3: 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.17, 9.2.4.1
Selection Cond.	
Preamble:	PRE_UI_CTR_PR_1P
Test description	L1!ScriptRun invoke(ulScriptId: omitted ; ulScriptSpecificInfo: valid; disconnectFromIPForbidden: TRUE; csID: 1)
Pass criteria	L1?ScriptRun returnError(missingParameter)
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_SR_BI_03	
Work item no.:	ITEM_SRF_134
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF related to a CS, sends a ScriptRun returnError component with error code "unexpectedDataValue", when having received a ScriptRun invoke component from the SCF, with parameter csID having a value not being assigned to an existing CS.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1 Part 1.3: 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.17, 9.2.4.1
Selection Cond.	
Preamble:	PRE_UI_CTR_PR_1P
Test description	L1!ScriptRun invoke(ulScriptId: SCRIPT_1; ulScriptSpecificInfo: valid; disconnectFromIPForbidden: TRUE; csID: 3)
Pass criteria	L1?ScriptRun returnError(unexpectedDataValue)
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_SR_BI_04	
Work item no.:	ITEM_SRF_135
IN2 Ref(tmp)	None
Purpose:	Verify that the Initiating SSF, having established a connection to the SRF related to a CS, sends a ScriptRun returnError component with error code "unexpectedDataValue", when having received a ScriptRun invoke component from the SCF, with parameter csID having a value being assigned to an existing CS, but not identifying the CS being connected to the resource.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1 Part 1.3: 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.17, 9.2.4.1
Selection Cond.	InitiatingA
Preamble:	PRE_UI_CTR_PR_S1P_1P
Test description	L1!ScriptRun invoke(ulScriptId: SCRIPT_1; ulScriptSpecificInfo: valid; disconnectFromIPForbidden: TRUE; csID: 1)
Pass criteria	L1?ScriptRun returnError(unexpectedDataValue)
Postamble:	DisconnectFWAResourceAB(legID 1)

IN3_A_SRF_SR_BO_01	
Work item no.:	ITEM_SRF_28
IN2 Ref(tmp)	IN2_A_BASIC_SR_BO_01
Purpose:	Verify that the SSF, not having established a connection to the SRF related to a CS, sends a ScriptRun returnError component with error code "taskRefused" or "unexpectedComponentSequence", when having received a ScriptRun invoke component from the SCF, containing parameters ulScriptId (valid value), ulScriptSpecificInfo (valid value), disconnectFromIPForbidden (TRUE; DEFAULT) and csID (valid).
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2, 8.3.3, 8.4.3, 11.18.1 Part 1.3: 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.17, 9.2.4.1
Selection Cond.	
Preamble:	PRE_UI_1P_WFI
Test description	L1!ScriptRun invoke(ulScriptId: SCRIPT_1; ulScriptSpecificInfo: valid; disconnectFromIPForbidden: TRUE; csID: valid)
Pass criteria	L1?ScriptRun returnError("taskRefused" or "unexpectedComponentSequence")
Postamble:	ReleaseA

6.5.7.2 ScriptClose

If not explicitly stated differently in particular cases, a "valid value" for a parameter sent in the ScriptClose invoke component is compatible with the parameters sent in the ScriptRun invoke component.

IN3_A_SRF_SC_BV_01	
Work item no.:	ITEM_SRF_17
IN2 Ref(tmp)	IN2_A_BASIC_SC_CA_01
Purpose:	Verify that the SSF, having established a connection to the SRF related to a CS and invoked a ScriptRun operation successfully (disconnectFromIPForbidden), does not send a ScriptClose returnError component, when having received a ScriptClose invoke component from the SCF, containing parameters ulScriptId (valid value), ulScriptSpecificInfo (valid value) and csID (valid).
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.14, 9.15.3.1, 9.17, 9.2.4.1
Selection Cond.	
Preamble:	PRE_UI_CTR_PR_1P
Test description	L1!ScriptRun invoke(ulScriptId: SCRIPT_1; ulScriptSpecificInfo: valid; disconnectFromIPForbidden: TRUE; csID: 1) Wait a while, ignoring: L1?ScriptEvent invoke(SCRIPT_1, ulScriptResult: any; csID: 1; lastEventIndicator: any), or CP1_1?CallProgress(CPType_Script, SCRIPT_1, CPEnd_Ind: any). ?Timeout L1!ScriptClose invoke(ulScriptId: SCRIPT_1; ulScriptSpecificInfo: valid; csID: 1) Wait a while
Pass criteria	No ScriptClose returnError received during last wait-period.
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_SC_BI_01	
Work item no.:	ITEM_SRF_136
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF related to a CS and invoked a ScriptRun operation successfully (disconnectFromIPForbidden), sends a ScriptClose returnError component with error code "missingParameter", when having received a ScriptClose invoke component from the SCF, with mandatory parameter ulScriptId missing.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.14, 9.15.3.1, 9.17, 9.2.4.1
Selection Cond.	
Preamble:	PRE_UI_CTR_PR_1P
Test description	L1!ScriptRun invoke(ulScriptId: SCRIPT_1; ulScriptSpecificInfo: valid; disconnectFromIPForbidden: TRUE; csID: 1) Wait a while, ignoring: L1?ScriptEvent invoke(SCRIPT_1, ulScriptResult: any; csID: 1; lastEventIndicator: any), or CP1_1?CallProgress(CPType_Script, SCRIPT_1, CPEnd_Ind: any). ?Timeout L1!ScriptClose invoke(ulScriptId: omitted ; ulScriptSpecificInfo: valid; csID: 1)
Pass criteria	L1?ScriptClose returnError(missingParameter).
Postamble:	ScriptCloseDisconnectForwardReleaseA(SCRIPT_1,SCRIPT_INFO1,1)

IN3_A_SRF_SC_BI_02	
Work item no.:	ITEM_SRF_137
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF related to a CS and invoked a ScriptRun operation successfully (disconnectFromIPForbidden), sends a ScriptClose returnError component with error code "unexpectedDataValue", when having received a ScriptClose invoke component from the SCF, where parameter ulScriptId does not identify the script started in the ScriptRun operation.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.14, 9.15.3.1, 9.17, 9.2.4.1
Selection Cond.	
Preamble:	PRE_UI_CTR_PR_1P
Test description	L1!ScriptRun invoke(ulScriptId: SCRIPT_1; ulScriptSpecificInfo: valid; disconnectFromIPForbidden: TRUE; csID: 1) Wait a while, ignoring: L1?ScriptEvent invoke(SCRIPT_1, ulScriptResult: any; csID: 1; lastEventIndicator: any), or CP1_1?CallProgress(CPType_Script, SCRIPT_1, CPEnd_Ind: any). ?Timeout L1!ScriptClose invoke(ulScriptId: different from SCRIPT_1 (NOTE); ulScriptSpecificInfo: valid; csID: 1) NOTE: If SCRIPT_2 to SCRIPT_4 identify the same script as SCRIPT_1 (see table 10), these script identifiers cannot be taken as value for parameter ulScriptId).
Pass criteria	L1?ScriptClose returnError(unexpectedDataValue).
Postamble:	ScriptCloseDisconnectForwardReleaseA(SCRIPT_1,SCRIPT_INFO1,1)

IN3_A_SRF_SC_BI_03	
Work item no.:	ITEM_SRF_138
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF related to a CS and invoked a ScriptRun operation successfully (disconnectFromIPForbidden), sends a ScriptClose returnError component with error code "unexpectedDataValue", when having received a ScriptClose invoke component from the SCF, with parameter csID having a value not being assigned to an existing CS.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.14, 9.15.3.1, 9.17, 9.2.4.1
Selection Cond.	
Preamble:	PRE_UI_CTR_PR_1P
Test description	L1!ScriptRun invoke(ulScriptId: SCRIPT_1; ulScriptSpecificInfo: valid; disconnectFromIPForbidden: TRUE; csID: 1) Wait a while, ignoring: L1?ScriptEvent invoke(SCRIPT_1, ulScriptResult: any; csID: 1; lastEventIndicator: any), or CP1_1?CallProgress(CPType_Script, SCRIPT_1, CPEnd_Ind: any). ?Timeout L1!ScriptClose invoke(ulScriptId: SCRIPT_1; ulScriptSpecificInfo: valid; csID: 3)
Pass criteria	L1?ScriptClose returnError(unexpectedDataValue).
Postamble:	ScriptCloseDisconnectForwardReleaseA(SCRIPT_1,SCRIPT_INFO1,1)

IN3_A_SRF_SC_BI_04	
Work item no.:	ITEM_SRF_139
IN2 Ref(tmp)	None
Purpose:	Verify that the Initiating SSF, having established a connection to the SRF related to a CS and invoked a ScriptRun operation successfully (disconnectFromIPForbidden), sends a ScriptClose returnError component with error code "unexpectedDataValue", when having received a ScriptClose invoke component from the SCF, with parameter csID having a value being assigned to an existing CS, but not identifying the CS being connected to the resource.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.14, 9.15.3.1, 9.17, 9.2.4.1
Selection Cond.	InitiatingA
Preamble:	PRE_UI_CTR_PR_S1P_1P
Test description	L1!ScriptRun invoke(ulScriptId: SCRIPT_1; ulScriptSpecificInfo: valid; disconnectFromIPForbidden: TRUE; csID: 1) Wait a while, ignoring: L1?ScriptEvent invoke(SCRIPT_1, ulScriptResult: any; csID: 1; lastEventIndicator: any), or CP1_1?CallProgress(CPType_Script, SCRIPT_1, CPEnd_Ind: any). ?Timeout L1!ScriptClose invoke(ulScriptId: SCRIPT_1; ulScriptSpecificInfo: valid; csID: 1)
Pass criteria	L1?ScriptClose returnError(unexpectedDataValue).
Postamble:	ScriptCloseDisconnectForwardReleaseAB(SCRIPT_1,SCRIPT_INFO1,1)

IN3_A_SRF_SC_BO_01	
Work item no.:	ITEM_SRF_18
IN2 Ref(tmp)	IN2_A_BASIC_SC_BO_01
Purpose:	Verify that the SSF, having established a connection to the SRF related to a CS, but not having invoked a ScriptRun operation, sends a ScriptClose returnError component with error code "taskRefused" or "unexpectedComponentSequence", when having received a ScriptClose invoke component from the SCF, containing parameters ulScriptId (valid value), ulScriptSpecificInfo (valid value) and csID (valid value).
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3 Part 1.3: 7.2, 7.2.2, 7.2.3, 8.2.2, 9.14, 9.15.3.1
Selection Cond.	
Preamble:	PRE_UI_CTR_PR_1P
Test description	L1!ScriptClose invoke(ulScriptId: SCRIPT_1; ulScriptSpecificInfo: valid; csID: 1)
Pass criteria	L1?ScriptClose returnError("taskRefused" or "unexpectedComponentSequence").
Postamble:	DisconnectForwardReleaseA

6.5.7.3 ScriptEvent

IN3_A_SRF_SE_BV_01	
Work item no.:	ITEM_SRF_20
IN2 Ref(tmp)	IN2_A_BASIC_SE_CA_01
Purpose:	Verify that the SSF, having established a connection to the SRF related to a CS and invoked a ScriptRun operation, where the script is designed to invoke a ScriptEvent operation, sends a ScriptEvent invoke component, containing parameters ulScriptId and csID having the same values as in the ScriptRun operation, also having a valid value for parameter ulScriptResult (if present), and parameter lastEventIndicator is set to FALSE .
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.15, 9.17, 9.2.4.1, 10.11
Selection Cond.	
Preamble:	PRE_UI_CTR_PR_1P
Test description	L1!ScriptRun invoke(ulScriptId: SCRIPT_4; ulScriptSpecificInfo: valid; disconnectFromIPForbidden: TRUE; csID: 1) If received: CP1_1?CallProgress(CPType_Script, SCRIPT_4, CPEnd_Ind: any) Answer with: CP1_1Data(CPType_Script, SCRIPT_4) Then: L1?ScriptEvent invoke(SCRIPT_4, ulScriptResult: any; csID: 1; lastEventIndicator: FALSE)
Pass criteria	ScriptEvent invoke component received
Postamble:	ScriptCloseDisconnectForwardReleaseA(SCRIPT_4,SCRIPT_INFO4,1)

IN3_A_SRF_SE_BV_02	
Work item no.:	ITEM_SRF_140
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF related to a CS and invoked a ScriptRun operation, where the script is designed to invoke a ScriptEvent operation, sends a ScriptEvent invoke component, containing parameters ulScriptId and csID having the same values as in the ScriptRun operation, also having a valid value for parameter ulScriptResult (if present), and parameter lastEventIndicator is set to TRUE .
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.15, 9.17, 9.2.4.1, 10.11
Selection Cond.	
Preamble:	PRE_UI_CTR_PR_1P
Test description	L1!ScriptRun invoke(ulScriptId: SCRIPT_3; ulScriptSpecificInfo: valid; disconnectFromIPForbidden: TRUE; csID: 1) As long as received: CP1_1?CallProgress(CPType_Script, SCRIPT_3, CPEnd_Ind: any) Answer with: CP1_1Data(CPType_Script, SCRIPT_3) As long as received: L1?ScriptEvent invoke(SCRIPT_3, ulScriptResult: any; csID: 1; lastEventIndicator: FALSE) Answer with: L1!ScriptInformation invoke(SCRIPT_3, ulScriptSpecificInfo: any valid; csID: 1) If received: L1?ScriptEvent invoke(SCRIPT_3, ulScriptResult: any; csID: 1; lastEventIndicator: TRUE) End
Pass criteria	L1?ScriptEvent invoke(SCRIPT_3, ulScriptResult: any; csID: 1; lastEventIndicator: TRUE)
Postamble:	ScriptCloseDisconnectForwardReleaseA(SCRIPT_3,SCRIPT_INFO3,1)

6.5.7.4 ScriptInformation

IN3_A_SRF_SI_BV_01	
Work item no.:	ITEM_SRF_21
IN2 Ref(tmp)	IN2_A_BASIC_SI_CA_01
Purpose:	Verify that the SSF, having established a connection to the SRF related to a CS and invoked a ScriptRun operation, where the script is designed to invoke ScriptEvent and ScriptInformation operations, does not send a ScriptInformation returnError component, when having sent a ScriptEvent invoke component (lastEventIndicator = FALSE; expecting a ScriptInformation invoke) and having received a ScriptInformation invoke component, containing parameters ulScriptId and csID having the same values as in the ScriptRun operation, and also containing a valid value for parameter ulScriptSpecificInfo (if present).
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1 Part 1.3: 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.16, 9.17, 9.2.4.1
Selection Cond.	
Preamble:	PRE_UI_CTR_PR_1P
Test description	L1!ScriptRun invoke(ulScriptId: SCRIPT_3; ulScriptSpecificInfo: valid; disconnectFromIPForbidden: TRUE; csID: 1) As long as received: CP1_1?CallProgress(CPType_Script, SCRIPT_3, CPEnd_Ind: any) Answer with: CP1_1Data(CPType_Script, SCRIPT_3) When received: L1?ScriptEvent invoke(SCRIPT_3, ulScriptResult: any; csID: 1; lastEventIndicator: FALSE) Answer with: L1!ScriptInformation invoke(SCRIPT_3, ulScriptSpecificInfo: any valid; csID: 1)
Pass criteria	No ScriptInformation returnError received
Postamble:	ScriptCloseDisconnectForwardReleaseA(SCRIPT_3,SCRIPT_INFO3,1)

IN3_A_SRF_SI_BI_01	
Work item no.:	ITEM_SRF_23
IN2 Ref(tmp)	IN2_A_BASIC_SI_BI_01
Purpose:	Verify that the SSF, having established a connection to the SRF related to a CS and invoked a ScriptRun operation, where the script is designed to invoke ScriptEvent and ScriptInformation operations, sends a ScriptInformation returnError component with error value "unexpectedDataValue", when having sent a ScriptEvent invoke component (lastEventIndicator = FALSE; expecting a ScriptInformation invoke) and having received a ScriptInformation invoke component, where parameter ulScriptId does not identify the script started with the ScriptRun operation..
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.15, 9.16, 9.17, 9.2.4.1, 10.11
Selection Cond.	
Preamble:	PRE_UI_CTR_PR_1P
Test description	L1!ScriptRun invoke(ulScriptId: SCRIPT_3; ulScriptSpecificInfo: valid; disconnectFromIPForbidden: TRUE; csID: 1) As long as received: CP1_1?CallProgress(CPType_Script, SCRIPT_3, CPEnd_Ind: any) Answer with: CP1_1Data(CPType_Script, SCRIPT_3) When received: L1?ScriptEvent invoke(SCRIPT_3, ulScriptResult: any; csID: 1; lastEventIndicator: FALSE) Answer with: L1!ScriptInformation invoke(ulScriptId: invalid , ulScriptSpecificInfo: any valid; csID: 1)
Pass criteria	L1?ScriptInformation returnError(unexpectedDataValue)
Postamble:	ScriptCloseDisconnectForwardReleaseA(SCRIPT_3,SCRIPT_INFO3,1)

IN3_A_SRF_SI_BI_02	
Work item no.:	ITEM_SRF_141
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF related to a CS and invoked a ScriptRun operation, where the script is designed to invoke ScriptEvent and ScriptInformation operations, sends a ScriptInformation returnError component with error value "missingParameter", when having sent a ScriptEvent invoke component (lastEventIndicator = FALSE; expecting a ScriptInformation invoke) and having received a ScriptInformation invoke component, with mandatory parameter ulScriptId missing.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.15, 9.16, 9.17, 9.2.4.1, 10.11
Selection Cond.	
Preamble:	PRE_UI_CTR_PR_1P
Test description	L1!ScriptRun invoke(ulScriptId: SCRIPT_3; ulScriptSpecificInfo: valid; disconnectFromIPForbidden: TRUE; csID: 1) As long as received: CP1_1?CallProgress(CPType_Script, SCRIPT_3, CPEnd_Ind: any) Answer with: CP1_1Data(CPType_Script, SCRIPT_3) When received: L1?ScriptEvent invoke(SCRIPT_3, ulScriptResult: any; csID: 1; lastEventIndicator: FALSE) Answer with: L1!ScriptInformation invoke(ulScriptId: missing , ulScriptSpecificInfo: any valid for SCRIPT_3; csID: 1)
Pass criteria	L1?ScriptInformation returnError(missingParameter)
Postamble:	ScriptCloseDisconnectForwardReleaseA(SCRIPT_3,SCRIPT_INFO3,1)

IN3_A_SRF_SI_BI_03	
Work item no.:	ITEM_SRF_142
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF related to a CS and invoked a ScriptRun operation, where the script is designed to invoke ScriptEvent and ScriptInformation operations, sends a ScriptInformation returnError component with error value "unexpectedDataValue", when having sent a ScriptEvent invoke component (lastEventIndicator = FALSE; expecting a ScriptInformation invoke) and having received a ScriptInformation invoke component, with parameter callSegmentID having a value not assigned to an existing CS.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.15, 9.16, 9.17, 9.2.4.1, 10.11
Selection Cond.	
Preamble:	PRE_UI_CTR_PR_1P
Test description	L1!ScriptRun invoke(ulScriptId: SCRIPT_3; ulScriptSpecificInfo: valid; disconnectFromIPForbidden: TRUE; csID: 1) As long as received: CP1_1?CallProgress(CPType_Script, SCRIPT_3, CPEnd_Ind: any) Answer with: CP1_1Data(CPType_Script, SCRIPT_3) When received: L1?ScriptEvent invoke(SCRIPT_3, ulScriptResult: any; csID: 1; lastEventIndicator: FALSE) Answer with: L1!ScriptInformation invoke(ulScriptId: SCRIPT_3, ulScriptSpecificInfo: any valid; csID: 3)
Pass criteria	L1?ScriptInformation returnError(unexpectedDataValue)
Postamble:	ScriptCloseDisconnectForwardReleaseA(SCRIPT_3,SCRIPT_INFO3,1)

IN3_A_SRF_SI_BI_04	
Work item no.:	ITEM_SRF_143
IN2 Ref(tmp)	None
Purpose:	Verify that the Initiating SSF, having established a connection to the SRF related to a CS and invoked a ScriptRun operation, where the script is designed to invoke ScriptEvent and ScriptInformation operations, sends a ScriptInformation returnError component with error value "unexpectedDataValue", when having sent a ScriptEvent invoke component (lastEventIndicator = FALSE; expecting a ScriptInformation invoke) and having received a ScriptInformation invoke component, with parameter callSegmentID having a value assigned to an existing CS, but not being equal to the CS identified in the ScriptRun operation.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3, 11.18.1 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.15, 9.16, 9.17, 9.2.4.1, 10.11
Selection Cond.	InitiatingA
Preamble:	PRE_UI_CTR_PR_S1P_1P
Test description	L1!ScriptRun invoke(ulScriptId: SCRIPT_3; ulScriptSpecificInfo: valid; disconnectFromIPForbidden: TRUE; csID: 2) As long as received: CP1_1?CallProgress(CPType_Script, SCRIPT_3, CPEnd_Ind: any) Answer with: CP1_1Data(CPType_Script, SCRIPT_3) When received: L1?ScriptEvent invoke(SCRIPT_3, ulScriptResult: any; csID: 2; lastEventIndicator: FALSE) Answer with: L1!ScriptInformation invoke(ulScriptId: SCRIPT_3, ulScriptSpecificInfo: any valid; csID: 1)
Pass criteria	L1?ScriptInformation returnError(unexpectedDataValue)
Postamble:	ScriptCloseDisconnectForwardReleaseA(SCRIPT_3,SCRIPT_INFO3,2)

IN3_A_SRF_SI_BO_01	
Work item no.:	ITEM_SRF_24
IN2 Ref(tmp)	IN2_A_BASIC_SI_BO_01
Purpose:	Verify that the SSF, having established a connection to the SRF related to a CS but not having invoked a ScriptRun operation, sends a ScriptInformation returnError component with error value "unexpectedComponentSequence", when having received a ScriptInformation invoke component.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.6, 8.3.3, 8.4.2, 8.4.3 Part 1.3: 7.2.3, 9.16
Selection Cond.	
Preamble:	PRE_UI_CTR_PR_1P
Test description	L1!ScriptInformation invoke(uIScriptId: SCRIPT_3, uIScriptSpecificInfo: any valid; csID: 1)
Pass criteria	L1?ScriptInformation returnError(unexpectedComponentSequence)
Postamble:	DisconnectForwardReleaseA

6.5.8 User-service information (USI) procedures

The TPs of this group are selected/deselected by selection expression **UTSIImplemented**.

The procedures are tested with an "external SRF connection" (**serviceIndicator** parameter set appropriately). Note that in this case ReportUTSI operations are only expected when "triggered" by an SendSTUI operation.

6.5.8.1 RequestReportUTSI procedure

IN3_A_SRF_RU_BV_01	
Work item no.:	ITEM_SRF_115
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF related to a leg (the CS containing only this leg), does not send a RequestReportUTSI returnError component, when having received a RequestReportUTSI invoke component from the SCF, containing parameters requestedUTSIList (uSIServiceIndicator indicating "External SRF connection" and uSImonitorMode = "monitoringActive") and legID (valid value).
Requirement ref	Part 1.2: 6.5.1.2.2, 6.7, 10, 11.39 Part 1.3: 7.2.3, 7.3.1.1, 7.3.2
Selection Cond.	
Preamble:	PRE_UI_CTR_UT_1P
Test description	L1!RequestReportUTSI invoke(uSIServiceIndicator: External SRF connection; uSImonitorMode = monitoringActive; legID =1)
Pass criteria	The IUT does not send a RequestReportUTSI returnError component (within some Wait-time)
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_RU_BV_02	
Work item no.:	ITEM_SRF_116
IN2 Ref(tmp)	None
Purpose:	Verify that the Initiating SSF, having established a connection to the SRF related to a leg (the CS containing this leg and another leg), does not send a RequestReportUTSI returnError component, when having received a RequestReportUTSI invoke component from the SCF, containing parameters requestedUTSIList (uSIServiceIndicator indicating "External SRF connection" and uSImonitorMode = "monitoringActive") and legID (valid value).
Requirement ref	Part 1.2: 6.5.1.2.2, 6.7, 10, 11.39 Part 1.3: 7.2.3, 7.3.1.1, 7.3.2
Selection Cond.	InitiatingA
Preamble:	PRE_UI_CTR_UT_S2P
Test description	L1!RequestReportUTSI invoke(uSIServiceIndicator: External SRF connection; uSImonitorMode = monitoringActive; legID =1)
Pass criteria	The IUT does not send a RequestReportUTSI returnError component (within some Wait-time)
Postamble:	DisconnectForwardReleaseAB

IN3_A_SRF_RU_BV_03	
Work item no.:	ITEM_SRF_117
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF related to the initial leg (only this leg exists in the CSA), does not send a RequestReportUTSI returnError component, when having received a RequestReportUTSI invoke component from the SCF, containing parameter requestedUTSIList (uSIServiceIndicator indicating "External SRF connection" and uSImonitorMode = "monitoringActive") and parameter legID is omitted.
Requirement ref	Part 1.2: 6.5.1.2.2, 6.7, 10, 11.39 Part 1.3: 7.2.3, 7.3.1.1, 7.3.2
Selection Cond.	
Preamble:	PRE_UI_CTR_UT_1P
Test description	L1!RequestReportUTSI invoke(uSIServiceIndicator: External SRF connection; uSImonitorMode = monitoringActive; legID omitted)
Pass criteria	The IUT does not send a RequestReportUTSI returnError component (within some Wait-time)
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_RU_BI_01	
Work item no.:	ITEM_SRF_118
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF related to a leg, sends a RequestReportUTSI returnError component indicating error value "missingParameter", when having received a RequestReportUTSI invoke component from the SCF, where mandatory parameter requestedUTSIList is missing and legID has a valid value.
Requirement ref	Part 1.2: 6.5.1.2.2, 6.7, 10, 11.39 Part 1.3: 7.2.3, 7.3.1.1, 7.3.2
Selection Cond.	
Preamble:	PRE_UI_CTR_UT_1P
Test description	L1!RequestReportUTSI invoke(requestedUTSIList omitted; legID =1)
Pass criteria	L1? RequestReportUTSI returnError(missingParameter)
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_RU_BI_02	
Work item no.:	ITEM_SRF_119
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF related to a leg, sends a RequestReportUTSI returnError component indicating error value "unknownLegID", when having received a RequestReportUTSI invoke component from the SCF, containing parameter requestedUTSIList (uSIServiceIndicator indicating "External SRF connection" and uSImonitorMode = "monitoringActive") and legID has a value not identifying an existing leg.
Requirement ref	Part 1.2: 6.5.1.2.2, 6.7, 10, 11.39 Part 1.3: 7.2.3, 7.3.1.1, 7.3.2
Selection Cond.	
Preamble:	PRE_UI_CTR_UT_1P
Test description	L1!RequestReportUTSI invoke(uSIServiceIndicator: External SRF connection; uSImonitorMode = monitoringActive; legID =3 (invalid))
Pass criteria	L1? RequestReportUTSI returnError(unknownLegID)
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_RU_BI_03	
Work item no.:	ITEM_SRF_120
IN2 Ref(tmp)	None
Purpose:	Verify that the Initiating SSF, having established a connection to the SRF related to a leg, sends a RequestReportUTSI returnError component indicating error value "unexpectedDataValue", when having received a RequestReportUTSI invoke component from the SCF, containing parameter requestedUTSIList (uSIServiceIndicator indicating "External SRF connection" and uSImonitorMode = "monitoringActive") and legID has a value belonging to an existing leg, but not compatible to the value used in the ConnectToResource invoke component.
Requirement ref	Part 1.2: 6.5.1.2.2, 6.7, 10, 11.39 Part 1.3: 7.2.3, 7.3.1.1, 7.3.2
Selection Cond.	InitiatingA
Preamble:	PRE_UI_CTR_UT_S1P_1P
Test description	L1!RequestReportUTSI invoke(uSIServiceIndicator: External SRF connection; uSImonitorMode = monitoringActive; legID =2 (incompatible))
Pass criteria	L1? RequestReportUTSI returnError(unexpectedDataValue)
Postamble:	DisconnectFWAReleaseAB(legID 1)

IN3_A_SRF_RU_BO_01	
Work item no.:	ITEM_SRF_176
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, not having established a connection to the SRF, sends a RequestReportUTSI returnError component indicating errorCode "taskRefused" or "unexpectedComponentSequence", when having received a RequestReportUTSI invoke component from the SCF, with uSIServiceIndicator indicating "External SRF connection".
Requirement ref	Part 1.2: 6.5.1.2.2, 6.7, 10, 11.39 Part 1.3: 7.2.3, 7.3.1.1, 7.3.2
Selection Cond.	
Preamble:	PRE_UI_1P_MON
Test description	L1!RequestReportUTSI invoke(uSIServiceIndicator: External SRF connection; uSImonitorMode = monitoringActive; legID =1)
Pass criteria	L1? RequestReportUTSI returnError("taskRefused" or "unexpectedComponentSequence")
Postamble:	ReleaseA

6.6.8.2 SendSTUI procedure

IN3_A_SRF_SU_BV_01	
Work item no.:	ITEM_SRF_121
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF related to a leg (the CS containing only this leg), and having invoked the RequestReportUTSI procedure for this leg, does not send a SendSTUI returnError component, when having received a SendSTUI invoke component from the SCF, containing parameters uSIServiceIndicator (any valid value indicating "External SRF connection"), uSIInformation (any valid value) and legID (valid value).
Requirement ref	Part 1.2: 6.5.1.2.2, 6.7, 10, 11.43 Part 1.3: 7.2.3, 7.3.1.1, 7.3.2
Selection Cond.	
Preamble:	PRE_UI_CTR_UT_1P
Test description	L1!RequestReportUTSI invoke(uSIServiceIndicator: External SRF connection; uSImonitorMode = monitoringActive; legID =1) L1!SendSTUI invoke(uSIServiceIndicator: External SRF connection; uSIInformation: valid value; legID =1)
Pass criteria	The IUT does not send a SendSTUI returnError component (within some Wait-time) NOTE: received ReportUTSI invoke components are ignored during the Wait-time.
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_SU_BV_02	
Work item no.:	ITEM_SRF_122
IN2 Ref(tmp)	None
Purpose:	Verify that the Initiating SSF, having established a connection to the SRF related to a leg (the CS containing this leg and another leg), not having invoked the RequestReportUTSI procedure for a leg, does not send a SendSTUI returnError component, when having received a SendSTUI invoke component from the SCF, containing parameters uSIServiceIndicator (any valid value indicating "External SRF connection"), uSIInformation (any valid value) and legID (valid value).
Requirement ref	Part 1.2: 6.5.1.2.2, 6.7, 10, 11.43 Part 1.3: 7.2.3, 7.3.1.1, 7.3.2
Selection Cond.	InitiatingA
Preamble:	PRE_UI_CTR_UT_S2P
Test description	L1!SendSTUI invoke(uSIServiceIndicator: External SRF connection; uSIInformation: valid value; legID =1)
Pass criteria	The IUT does not send a SendSTUI returnError component (within some Wait-time) NOTE: received ReportUTSI invoke components are ignored during the Wait-time.
Postamble:	DisconnectForwardReleaseAB

IN3_A_SRF_SU_BV_03	
Work item no.:	ITEM_SRF_123
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF related to the initial leg (only this leg exists in the CSA), not having invoked the RequestReportUTSI procedure for this leg, does not send a SendSTUI returnError component, when having received a SendSTUI invoke component from the SCF, containing parameters uSIServiceIndicator (any valid value indicating "External SRF connection") and uSIInformation (any valid value), and parameter legID is omitted.
Requirement ref	Part 1.2: 6.5.1.2.2, 6.7, 10, 11.43 Part 1.3: 7.2.3, 7.3.1.1, 7.3.2
Selection Cond.	
Preamble:	PRE_UI_CTR_UT_1P
Test description	L1!SendSTUI invoke(uSIServiceIndicator: External SRF connection; uSIInformation: valid value; legID omitted)
Pass criteria	The IUT does not send a SendSTUI returnError component (within some Wait-time) NOTE: received ReportUTSI invoke components are ignored during the Wait-time.
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_SU_BI_01	
Work item no.:	ITEM_SRF_124
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF related to a leg, sends a SendSTUI returnError component indicating error value "missingParameter", when having received a SendSTUI invoke component from the SCF, where mandatory parameter uSIServiceIndicator is missing and parameters uSIInformation and legID have valid values.
Requirement ref	Part 1.2: 6.5.1.2.2, 6.7, 10, 11.43 Part 1.3: 7.2.3, 7.3.1.1, 7.3.2
Selection Cond.	
Preamble:	PRE_UI_CTR_UT_1P
Test description	L1!RequestReportUTSI invoke(uSIServiceIndicator: External SRF connection; uSImonitorMode = monitoringActive; legID =1) L1!SendSTUI invoke(uSIServiceIndicator: omitted ; uSIInformation: valid value; legID =1)
Pass criteria	L1?SendSTUI returnError(missingParameter)
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_SU_BI_02	
Work item no.:	ITEM_SRF_125
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF related to a leg, sends a SendSTUI returnError component indicating error value "missingParameter", when having received a SendSTUI invoke component from the SCF, where mandatory parameter uSIInformation is missing and parameters uSIServiceIndicator and legID have valid values.
Requirement ref	Part 1.2: 6.5.1.2.2, 6.7, 10, 11.43 Part 1.3: 7.2.3, 7.3.1.1, 7.3.2
Selection Cond.	
Preamble:	PRE_UI_CTR_UT_1P
Test description	L1!RequestReportUTSI invoke(uSIServiceIndicator: External SRF connection; uSImonitorMode = monitoringActive; legID =1) L1!SendSTUI invoke(uSIServiceIndicator: External SRF connection; uSIInformation: omitted ; legID =1)
Pass criteria	L1?SendSTUI returnError(missingParameter)
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_SU_BI_03	
Work item no.:	ITEM_SRF_126
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF related to a leg, sends a SendSTUI returnError component indicating error value "unknownLegID", when having received a SendSTUI invoke component from the SCF, where parameters uSIInformation and uSIServiceIndicator have valid values and legID has a value not belonging to an existing leg.
Requirement ref	Part 1.2: 6.5.1.2.2, 6.7, 10, 11.43 Part 1.3: 7.2.3, 7.3.1.1, 7.3.2
Selection Cond.	
Preamble:	PRE_UI_CTR_UT_1P
Test description	L1!RequestReportUTSI invoke(uSIServiceIndicator: External SRF connection; uSImonitorMode = monitoringActive; legID =1) L1!SendSTUI invoke(uSIServiceIndicator: External SRF connection; uSIInformation: valid value; legID =3 (invalid))
Pass criteria	L1?SendSTUI returnError(unknownLegID)
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_SU_BI_04	
Work item no.:	ITEM_SRF_127
IN2 Ref(tmp)	None
Purpose:	Verify that the Initiating SSF, having established a connection to the SRF related to a leg, sends a SendSTUI returnError component indicating error value "taskRefused" or "unexpectedComponentSequence", when having received a SendSTUI invoke component from the SCF, where parameters uSIInformation and uSIServiceIndicator have valid values and legID has a value belonging to an existing leg, but not compatible to the value used in the ConnectToResource invoke component.
Requirement ref	Part 1.2: 6.5.1.2.2, 6.7, 10, 11.43 Part 1.3: 7.2.3, 7.3.1.1, 7.3.2
Selection Cond.	InitiatingA
Preamble:	PRE_UI_CTR_UT_S1P_1P
Test description	L1!RequestReportUTSI invoke(uSIServiceIndicator: External SRF connection; uSImonitorMode = monitoringActive; legID =1) L1!SendSTUI invoke(uSIServiceIndicator: External SRF connection; uSIInformation: valid value; legID =2 (invalid))
Pass criteria	L1?SendSTUI returnError("taskRefused" or "unexpectedComponentSequence")
Postamble:	DisconnectFWAReleaseAB(legID 1)

IN3_A_SRF_SU_BO_01	
Work item no.:	ITEM_SRF_128
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, not having established a connection to the SRF, sends a SendSTUI returnError component indicating errorCode "taskRefused" or "unexpectedComponentSequence", when having received a SendSTUI invoke component from the SCF, with uSIServiceIndicator indicating "External SRF connection".
Requirement ref	Part 1.2: 6.5.1.2.2, 6.7, 10, 11.43 Part 1.3: 7.2.3, 7.3.1.1, 7.3.2
Selection Cond.	
Preamble:	PRE_UI_1P_MON
Test description	L1!SendSTUI invoke(uSIServiceIndicator: External SRF connection; uSIInformation: valid value; legID =1)
Pass criteria	L1?SendSTUI returnError("taskRefused" or "unexpectedComponentSequence")
Postamble:	ReleaseA

6.5.8.3 ReportUTSI procedure

IN3_A_SRF_RP_BV_01	
Work item no.:	ITEM_SRF_129
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF related to a leg, having also invoked the RequestReportUTSI procedure for this leg, with USIMonitorMode set to "monitoringActive", sends a ReportUTSI invoke component with valid values of parameters uSIServiceIndicator , uSIInformation and legID , when having received a SendSTUI invoke component from the SCF, containing parameters uSIServiceIndicator (any valid value indicating "External SRF connection"), uSIInformation (any valid value), and legID (valid value).
Requirement ref	Part 1.2: 6.5.1.2.2, 6.7, 10, 11.33 Part 1.3: 7.2.3, 7.3.1.1, 7.3.2
Selection Cond.	
Preamble:	PRE_UI_CTR_UT_1P
Test description	L1!RequestReportUTSI invoke(uSIServiceIndicator: External SRF connection; uSImonitorMode = monitoringActive; legID =1) L1!SendSTUI invoke(uSIServiceIndicator: External SRF connection; uSIInformation: valid value; legID =1)
Pass criteria	L1? ReportUTSI invoke(uSIServiceIndicator: External SRF connection; uSIInformation: valid value; legID =1)
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_RP_BV_02	
Work item no.:	ITEM_SRF_130
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF related to a leg, having also invoked the RequestReportUTSI procedure for this leg, with USIMonitorMode set to "monitoringInactive", does not send a ReportUTSI invoke component, when having received a SendSTUI invoke component from the SCF, containing parameters uSIServiceIndicator (any valid value indicating "External SRF connection"), uSIInformation (any valid value), and legID (valid value).
Requirement ref	Part 1.2: 6.5.1.2.2, 6.7, 10, 11.33 Part 1.3: 7.2.3, 7.3.1.1, 7.3.2
Selection Cond.	
Preamble:	PRE_UI_CTR_UT_1P
Test description	L1!RequestReportUTSI invoke(uSIServiceIndicator: External SRF connection; uSImonitorMode = monitoringInactive; legID =1) L1!SendSTUI invoke(uSIServiceIndicator: External SRF connection; uSIInformation: valid value; legID =1)
Pass criteria	The SSF/SRF does not send an ReportUTSI invoke component (during some Wait-time)
Postamble:	DisconnectForwardReleaseA

6.5.9 ActivityTest (AT) procedure

This group of TPs is selected/deselected by selection expression **PAImplemented** (PlayAnnouncement implemented) and uses the ConnectToResource resource parameters of PlayAnnouncement, because this is the most commonly implemented procedure, where an activity test of the SRF can be performed.

IN3_A_SRF_AT_BV_01	
Work item no.:	ITEM_SRF_175
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a connection to the SRF, sends an ActivityTest returnResult component after having received an ActivityTest invoke component from the SCF.
Requirement ref	Part 1.3: 9.1, 13.1.1
Selection Cond.	PAImplemented
Preamble:	PRE_UI_CTR_PA
Test description	L1!ActivityTest invoke L1?ActivityTest returnResult
Pass criteria	L1?ActivityTest returnResult
Postamble:	DisconnectForwardReleaseA

6.6 Test purposes for the direct SCF-SRF interaction method

This group of TPs is selected by expression **DirectMethod**.

NOTE: When the TP description requires valid values for the **assistingSSPIPRoutingAddress**, **correlationID** and **scfID** parameters, the possibility that correlationID and scfID are implicitly contained in the assistingSSPIPRoutingAddress is included. In the test campaign, the values of these elements should be parameterized appropriately (without affecting the TP).

6.6.1 Initiating SSF (IUT) interacting with Assisting SSF

This group of TPs is applicable to Configuration B only.

6.6.1.1 EstablishTemporaryConnection (EC) procedure

IN3_A_SRF_EC_BV_01	
Work item no.:	ITEM_SRF_29
IN2 Ref(tmp)	IN2_A_BASIC_EC_CA_01
Purpose:	Verify that the SSF, handling a single-CS CSA with a single leg and being in the "Wait for instructions" FSM for CS state, accepts an EstablishTemporaryConnection invoke component received from the SCF (does not send a returnError component), when the assistingSSPIPRoutingAddress , correlationID and scfID parameters are contained in the component and have valid values, but the partyToConnect parameter is not contained in the received component. Verify also that a SetupReq is sent from SigCon C.
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.4, 8.2.2.7, 11.18.1, 11.19.1, 11.22 Part 1.3: 7.2.2, 7.3.1.1, 7.3.5
Selection Cond.	InitiatingBAssist
Preamble:	PRE_WFI
Test description	L1!EstablishTemporaryConnection(assistingSSPIPRoutingAddress, correlationID, scfID, no partyToConnect)
Pass criteria	CP1_3?SetupReq
Postamble:	DisconnectForwardReleaseAC

IN3_A_SRF_EC_BV_02	
Work item no.:	ITEM_SRF_60
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, handling a single-CS CSA in the "Stable_2_Party (S2P) CSCV state and in the "Monitoring" FSM for CS state, accepts an EstablishTemporaryConnection invoke component received from the SCF (does not send a returnError component), when the assistingSSIPRoutingAddress , correlationID and scfID parameters are contained in the component and have valid values, but the partyToConnect parameter is not contained in the received component. Verify also that a SetupReq is sent from SigCon C.
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.4, 8.2.2.7, 11.18.1, 11.19.1, 11.22 Part 1.3: 7.2.2, 7.3.1.1, 7.3.5
Selection Cond.	InitiatingBAssist
Preamble:	PRE_S2P_MON
Test description	L1!EstablishTemporaryConnection(assistingSSIPRoutingAddress, correlationID, scfID, no partyToConnect)
Pass criteria	CP1_3?SetupReq
Postamble:	DisconnectForwardReleaseABC

IN3_A_SRF_EC_BV_03	
Work item no.:	ITEM_SRF_61
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, handling a two-CS CSA in the "Stable_1_Party (S1P) and "1_Party" CSCV states respectively and being in the "Monitoring" FSM for CS state for CS1, accepts an EstablishTemporaryConnection invoke component received from the SCF (does not send a returnError component), when the assistingSSIPRoutingAddress , correlationID and scfID parameters are contained in the component and have valid values, and the partyToConnect parameter value is "legID 2". Verify also that a SetupReq is sent from SigCon C.
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.4, 8.2.2.7, 11.18.1, 11.19.1, 11.22 Part 1.3: 7.2.2, 7.3.1.1, 7.3.5
Selection Cond.	InitiatingBAssist
Preamble:	PRE_S1P_1P_MON
Test description	L1!EstablishTemporaryConnection(assistingSSIPRoutingAddress, correlationID, scfID, partyToConnect: legID 2)
Pass criteria	CP1_3?SetupReq
Postamble:	DisconnectFWAReleaseABC(legID 2)

IN3_A_SRF_EC_BV_04	
Work item no.:	ITEM_SRF_62
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, handling a two-CS CSA in the "Stable_1_Party (S1P) and "1_Party" CSCV states respectively and being in the "Wait for Instructions" FSM for CS state for CS2, accepts an EstablishTemporaryConnection invoke component received from the SCF (does not send a returnError component), when the assistingSSIPRoutingAddress , correlationID and scfID parameters are contained in the component and have valid values, and the partyToConnect parameter value is csID 2. Verify also that a SetupReq is sent from SigCon C.
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.4, 8.2.2.7, 11.18.1, 11.19.1, 11.22 Part 1.3: 7.2.2, 7.3.1.1, 7.3.5
Selection Cond.	InitiatingBAssist
Preamble:	PRE_S1P_1P_MON
Test description	CP1_1!ServiceFeatureIndication L1!EstablishTemporaryConnection(assistingSSIPRoutingAddress, correlationID, scfID, partyToConnect: csID 2)
Pass criteria	CP1_3?SetupReq
Postamble:	DisconnectFWAReleaseABC(csID 2)

IN3_A_SRF_EC_BV_05	
Work item no.:	ITEM_SRF_145
IN2 Ref(tmp)	None
Purpose:	Verify that the Initiating SSF, being in the CS configuration S1P_1P and being in the "Monitoring" FSM for CS state for CS1 and CS2, accepts two EstablishTemporaryConnection invoke components received from the SCF, one for each CS.
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.4, 8.2.2.7, 11.18.1, 11.19.1, 11.22 Part 1.3: 7.2.2, 7.3.1.1, 7.3.5
Selection Cond.	InitiatingBAssist
Preamble:	PRE_S1P_1P_MON
Test description	L1!EstablishTemporaryConnection(assistingSSPIPRoutingAddress, correlationID1, scfID, partyToConnect: csID 1) CP1_3?SetupReq L1!EstablishTemporaryConnection(assistingSSPIPRoutingAddress, correlationID2, scfID, partyToConnect: csID 2) CP1_4?SetupReq
Pass criteria	SetupReq received from SigConC and SigConD.
Postamble:	DisconnectFWAReleaseABCD(csID 1,csID 2)

IN3_A_SRF_EC_BI_01	
Work item no.:	ITEM_SRF_31
IN2 Ref(tmp)	IN2_A_BASIC_EC_BI_01
Purpose:	Verify that the SSF sends an EstablishTemporaryConnection returnError component indicating errorCode "missingParameter", after having received an EstablishTemporaryConnection invoke component without mandatory parameter assistingSSPIPRoutingAddress .
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.4, 8.2.2.7, 11.18.1, 11.19.1, 11.22 Part 1.3: 7.2.2, 7.3.1.1, 7.3.5
Selection Cond.	InitiatingBAssist
Preamble:	PRE_1P_MON
Test description	SCF sends to IUT an EstablishTemporaryConnection invoke component without mandatory parameter assistingSSPIPRoutingAddress.
Pass criteria	L1!EstablishTemporaryConnection returnError(missingParameter) NOTE: no SetupReq is issued from SigCon C.
Postamble:	ReleaseA

IN3_A_SRF_EC_BI_02	
Work item no.:	ITEM_SRF_63
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF sends an EstablishTemporaryConnection returnError component indicating errorCode "missingParameter", after having received an EstablishTemporaryConnection invoke component without mandatory parameter correlationID .
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.4, 8.2.2.7, 11.18.1, 11.19.1, 11.22 Part 1.3: 7.2.2, 7.3.1.1, 7.3.5
Selection Cond.	InitiatingBAssistExplicitCorrelation
Preamble:	PRE_1P_MON
Test description	SCF sends to IUT an EstablishTemporaryConnection invoke component without mandatory parameter correlationID.
Pass criteria	L1!EstablishTemporaryConnection returnError(missingParameter) NOTE: no SetupReq is issued from SigCon C.
Postamble:	ReleaseA

IN3_A_SRF_EC_BI_03	
Work item no.:	ITEM_SRF_64
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF sends an EstablishTemporaryConnection returnError component indicating errorCode "missingParameter", after having received an EstablishTemporaryConnection invoke component without mandatory parameter scfID .
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.4, 8.2.2.7, 11.18.1, 11.19.1, 11.22 Part 1.3: 7.2.2, 7.3.1.1, 7.3.5
Selection Cond.	InitiatingBAssistExplicitCorrelation
Preamble:	PRE_1P_MON
Test description	SCF sends to IUT an EstablishTemporaryConnection invoke component without mandatory parameter scfID .
Pass criteria	L1!EstablishTemporaryConnection returnError(missingParameter) NOTE: no SetupReq is issued from SigCon C.
Postamble:	ReleaseA

IN3_A_SRF_EC_BI_04	
Work item no.:	ITEM_SRF_65
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF sends an EstablishTemporaryConnection returnError component indicating errorCode "eTCFailed", after having received an EstablishTemporaryConnection invoke component with valid values for parameters assistingSSIPRoutingAddress , correlationID , scfID and partyToConnect , but the Assisting SSF does not accept the temporary connection (backwards release).
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.4, 8.2.2.7, 11.18.1, 11.19.1, 11.22 Part 1.3: 7.2.2, 7.3.1.1, 7.3.5
Selection Cond.	InitiatingBAssist
Preamble:	PRE_1P_MON
Test description	SCF sends to IUT a valid EstablishTemporaryConnection invoke component.
Pass criteria	CP1_3?SetupReq CP1_3!ReleaseInd L1?EstablishTemporaryConnection returnError(eTCFailed)
Postamble:	ReleaseA

IN3_A_SRF_EC_BI_05	
Work item no.:	ITEM_SRF_66
IN2 Ref(tmp)	None
Purpose:	Verify that the Initiating SSF sends an EstablishTemporaryConnection returnError component indicating errorCode "parameter", after having received an EstablishTemporaryConnection invoke component with valid parameter values for the assistingSSIPRoutingAddress, correlationID and scfID parameters, but without parameter partyToConnect, when the CSA contains more than one CS.
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.4, 8.2.2.7, 11.18.1, 11.19.1, 11.22 Part 1.3: 7.2.2, 7.3.1.1, 7.3.5
Selection Cond.	InitiatingBAssist
Preamble:	PRE_S1P_1P_MON
Test description	SCF sends to IUT an EstablishTemporaryConnection invoke component with valid parameter values for the assistingSSIPRoutingAddress , correlationID and scfID parameters, but without parameter partyToConnect.
Pass criteria	L1?EstablishTemporaryConnection returnError(missingParameter) NOTE: No SetupReq is issued from SigCon C.
Postamble:	ReleaseAB

6.6.1.2 Disconnect procedures

6.6.1.2.1 DisconnectForwardConnection (DF) procedure (without argument)

IN3_A_SRF_DF_BV_03	
Work item no.:	ITEM_SRF_75
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a temporary connection related to a single-CS CSA with a single leg and being in the "Waiting for End of Temporary Connection" FSM for CS state, sends a ReleaseReq from SigCon C, when having received from the SCF a DisconnectForwardConnection invoke component.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.4, 8.2.2.6, 8.2.2.7, 8.3.3, 8.4.2, 8.4.3, 11.18 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.18.1, 9.18.3.1, 9.8, 13.1.1
Selection Cond.	InitiatingBAssist
Preamble:	PRE_WFI
Test description	L1!EstablishTemporaryConnection(valid assistingSSPIPRoutingAddress, correlationID, scfID, partyToConnect (if applicable)) CP1_3?SetUpReq L1! DisconnectForwardConnection invoke
Pass criteria	CP1_3?ReleaseReq
Postamble:	ReleaseA

IN3_A_SRF_DF_BV_04	
Work item no.:	ITEM_SRF_76
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a temporary connection related to a single-CS CSA in the "Stable_2_Party" (S2P) CSCV state and being in the "Waiting for End of Temporary Connection (MON)" FSM for CS state, sends a ReleaseReq from SigCon C, when having received from the SCF a DisconnectForwardConnection invoke component.
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.4, 8.2.2.6, 8.2.2.7, 8.3.3, 8.4.2, 8.4.3, 11.18 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.18.1, 9.18.3.1, 9.8, 13.1.1
Selection Cond.	InitiatingBAssist
Preamble:	PRE_S2P_MON
Test description	L1!EstablishTemporaryConnection(valid assistingSSPIPRoutingAddress, correlationID, scfID, partyToConnect (if applicable)) CP1_3?SetUpReq L1! DisconnectForwardConnection invoke
Pass criteria	CP1_3?ReleaseReq
Postamble:	ReleaseAB

IN3_A_SRF_DF_BO_03	
Work item no.:	ITEM_SRF_77
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, operating a single-CS CSA in the "Originating_Setup" (OS) CSCV state and being in the "Wait for Instructions" FSM for CS state (not having established a temporary connection), sends a DisconnectForwardConnection returnError component indicating errorCode "unexpectedComponentSequence", after having received an DisconnectForwardConnection invoke component.
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.3, 8.2.2.4, 8.2.2.6, 8.2.2.7, 8.3.3, 8.4.3, 11.18
Selection Cond.	InitiatingBAssist
Preamble:	PRE_WFI
Test description	L1! DisconnectForwardConnection invoke
Pass criteria	L1? DisconnectForwardConnection returnError(UnexpectedComponentSequence)
Postamble:	ReleaseA

IN3_A_SRF_DF_BO_04	
Work item no.:	ITEM_SRF_78
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, operating a single-CS CSA in the "Stable_2_Party (S2P) CSCV state and being in the "Monitoring" FSM for CS state (not having established a temporary connection), sends a DisconnectForwardConnection returnError component indicating errorCode "unexpectedComponentSequence", after having received an DisconnectForwardConnection invoke component.
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.3, 8.2.2.4, 8.2.2.6, 8.2.2.7, 8.3.3, 8.4.3, 11.18
Selection Cond.	InitiatingBAssist
Preamble:	PRE_S2P_MON
Test description	L1! DisconnectForwardConnection invoke
Pass criteria	L1? DisconnectForwardConnection returnError(UnexpectedComponentSequence)
Postamble:	ReleaseAB

6.6.1.2.2 DisconnectForwardConnectionWithArgument (DW) procedure

IN3_A_SRF_DW_BV_03	
Work item no.:	ITEM_SRF_79
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a temporary connection related to a single-CS CSA with a single leg and being in the "Waiting for End of Temporary Connection" FSM for CS state, sends a ReleaseReq from SigCon C, when having received from the SCF a DisconnectForwardConnectionWithArgument invoke component, indicating partyToDisconnect "legID 1".
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.4, 8.2.2.6, 8.2.2.7, 8.3.3, 8.4.2, 8.4.3, 11.18 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.18.1, 9.18.3.1, 9.8, 13.1.1
Selection Cond.	InitiatingBAssist
Preamble:	PRE_WFI
Test description	L1!EstablishTemporaryConnection(valid assistingSSPIPRoutingAddress, correlationID, scfID, partyToConnect: legID 1) CP1_3?SetUpReq L1! DisconnectForwardConnectionWithArgument invoke(partyToDisconnect "legID 1")
Pass criteria	CP1_3?ReleaseReq
Postamble:	ReleaseA

IN3_A_SRF_DW_BV_04	
Work item no.:	ITEM_SRF_80
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a temporary connection related to a two-CS CSA in the "Stable_1_Party" (S1P) and "1_Party" (1P) CSCV states respectively and being in the "Waiting for End of Temporary Connection (MON)" FSM for CS state for CS 2, sends a ReleaseReq from SigCon C, when having received from the SCF a DisconnectForwardConnectionWithArgument invoke component, indicating partyToDisconnect "csID 2".
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.4, 8.2.2.6, 8.2.2.7, 8.3.3, 8.4.2, 8.4.3, 11.18 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.18.1, 9.18.3.1, 9.8, 13.1.1
Selection Cond.	InitiatingBAssist
Preamble:	PRE_S1P_1P_MON
Test description	L1!EstablishTemporaryConnection(valid assistingSSPIPRoutingAddress, correlationID, scfID, partyToConnect: "csID 2") CP1_3?SetUpReq L1! DisconnectForwardConnectionWithArgument invoke (partyToDisconnect "csID 2")
Pass criteria	CP1_3?ReleaseReq
Postamble:	ReleaseAB

IN3_A_SRF_DW_BI_04	
Work item no.:	ITEM_SRF_83
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a temporary connection related to a single-CS CSA with a single leg and being in the "Waiting for End of Temporary Connection" FSM for CS state, sends a DisconnectForwardConnectionWithArgument returnError component indicating errorCode "missingParameter", after having received an DisconnectForwardConnectionWithArgument invoke component without partyToDisconnect parameter.
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.3, 8.2.2.4, 8.2.2.6, 8.2.2.7, 8.3.3, 8.4.3, 11.18
Selection Cond.	InitiatingBAssist
Preamble:	PRE_WFI
Test description	L1!EstablishTemporaryConnection(valid assistingSSPIPRoutingAddress, correlationID, scfID, partyToConnect: legID 1) CP1_3?SetupReq L1! DisconnectForwardConnectionWithArgument invoke(no partyToDisconnect parameter)
Pass criteria	L1? DisconnectForwardConnectionWithArgument returnError(missingParameter)
Postamble:	DisconnectFWAReleaseAC(legID 1)

IN3_A_SRF_DW_BI_05	
Work item no.:	ITEM_SRF_84
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a temporary connection related to a two-CS CSA in the "Stable_1_Party (S2P) and "1_Party" CSCV states respectively and being in the "Waiting for End of Temporary Connection" FSM for CS state related to CS1, sends a DisconnectForwardConnectionWithArgument returnError component indicating errorCode "unknownLegID", after having received an DisconnectForwardConnectionWithArgument invoke component with partyToDisconnect parameter value indicating "legID 3" (invalid).
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.3, 8.2.2.4, 8.2.2.6, 8.2.2.7, 8.3.3, 8.4.3, 11.18
Selection Cond.	InitiatingBAssist
Preamble:	PRE_S1P_1P_MON
Test description	CP1_2!ServiceFeatureIndication L1!EstablishTemporaryConnection(valid assistingSSPIPRoutingAddress, correlationID, scfID, partyToConnect: legID 2) CP1_3?SetupReq L1! DisconnectForwardConnectionWithArgument invoke(partyToDisconnect parameter: "legID 3")
Pass criteria	L1? DisconnectForwardConnectionWithArgument returnError(unknownLegID)
Postamble:	DisconnectFWAReleaseABC(legID 2)

IN3_A_SRF_DW_BI_06	
Work item no.:	ITEM_SRF_85
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a temporary connection related to a two-CS CSA in the "Stable_1_Party (S2P) and "1_Party" CSCV states respectively and being in the "Waiting for End of Temporary Connection (MON)" FSM for CS state related to CS2, sends a DisconnectForwardConnectionWithArgument returnError component indicating errorCode "unexpectedDataValue", after having received an DisconnectForwardConnectionWithArgument invoke component with partyToDisconnect parameter value indicating "csID 3" (invalid).
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.3, 8.2.2.4, 8.2.2.6, 8.2.2.7, 8.3.3, 8.4.3, 11.18
Selection Cond.	InitiatingBAssist
Preamble:	PRE_S1P_1P_MON
Test description	L1!EstablishTemporaryConnection(valid assistingSSPIPRoutingAddress, correlationID, scfID, partyToConnect: csID 2) CP1_3?SetupReq L1! DisconnectForwardConnectionWithArgument invoke(partyToDisconnect parameter: "csID 3")
Pass criteria	L1? DisconnectForwardConnectionWithArgument returnError(unexpectedDataValue)
Postamble:	DisconnectFWAReleaseABC(csID 2)

IN3_A_SRF_DW_BO_03	
Work item no.:	ITEM_SRF_81
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, operating a single-CS CSA in the "Originating_Setup" (OS) CSCV state and being in the "Wait for Instructions" FSM for CS state (not having established a temporary connection), sends a DisconnectForwardConnectionWithArgument returnError component indicating errorCode "unexpectedComponentSequence", after having received an DisconnectForwardConnectionWithArgument invoke component (partyToDisconnect legID 1).
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.3, 8.2.2.4, 8.2.2.6, 8.2.2.7, 8.3.3, 8.4.3, 11.18
Selection Cond.	InitiatingBAssist
Preamble:	PRE_WFI
Test description	L1! DisconnectForwardConnectionWithArgument invoke(partyToDisconnect legID 1)
Pass criteria	L1? DisconnectForwardConnectionWithArgument returnError(UnexpectedComponentSequence)
Postamble:	ReleaseA

IN3_A_SRF_DW_BO_04	
Work item no.:	ITEM_SRF_82
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, operating a single-CS CSA in the "Stable_2_Party (S2P) CSCV state and being in the "Monitoring" FSM for CS state (not having established a temporary connection), sends a DisconnectForwardConnectionWithArgument returnError component indicating errorCode "unexpectedComponentSequence", after having received an DisconnectForwardConnectionWithArgument invoke component indicating partyToDisconnect "legID 1".
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.3, 8.2.2.4, 8.2.2.6, 8.2.2.7, 8.3.3, 8.4.3, 11.18
Selection Cond.	InitiatingBAssist
Preamble:	PRE_S2P_MON
Test description	L1! DisconnectForwardConnectionWithArgument invoke(partyToDisconnect "legID 1")
Pass criteria	L1? DisconnectForwardConnectionWithArgument returnError(UnexpectedComponentSequence)
Postamble:	ReleaseAB

6.6.2 Initiating SSF (IUT) interacting with Handed-off SSF

This group of TPs is applicable to Configuration B only.

6.6.2.1 Connect (CO) procedure

IN3_A_SRF_CO_BV_01	
Work item no.:	ITEM_SRF_169
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, handling a single-CS CSA with a single leg and being in the "Wait for instructions" FSM for CS state, accepts a Connect invoke component received from the SCF (does not send a returnError component), when the destinationRoutingAddress (identifying the Handed-off SSF), correlationID and scfID parameters are contained in the component and have valid values, legToBeCreated=3 and csID=1. Verify also that a SetupReq is sent from SigCon C.
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.4, 8.2.2.7, 11.18.1, 11.19.1, 11.12 Part 1.3: 7.2.2, 7.3.1.1.5, 7.3.1.1, 7.3.5
Selection Cond.	InitiatingBHandedOff
Preamble:	PRE_WFI
Test description	L1!Connect(destinationRoutingAddress, correlationID, scfID, legToBeCreated=3, csID=1)
Pass criteria	CP1_3?SetupReq
Postamble:	ReleaseAC

IN3_A_SRF_CO_BV_02	
Work item no.:	ITEM_SRF_170
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, handling a two-CS CSA in the "Stable_1_Party (S2P) and "1_Party" CSCV states respectively and being in the "Waiting for Instructions" FSM for CS state for CS1, accepts an Connect invoke component received from the SCF (does not send a returnError component), when the destinationRoutingAddress (identifying the Handed-off SSF), correlationID and scfID parameters are contained in the component and have valid values, legToBeCreated=3 and csID=1. Verify also that a SetupReq is sent from SigCon C.
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.4, 8.2.2.7, 11.18.1, 11.19.1, 11.12 Part 1.3: 7.2.2, 7.3.1.1, 7.3.5
Selection Cond.	InitiatingBHandedOff
Preamble:	PRE_S1P_1P_WFI
Test description	L1!Connect(destinationRoutingAddress, correlationID, scfID, legToBeCreated=3, csID=1)
Pass criteria	CP1_3?SetupReq
Postamble:	ReleaseABC

IN3_A_SRF_CO_BV_03	
Work item no.:	ITEM_SRF_171
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, handling a two-CS CSA in the "Stable_1_Party (S2P) and "1_Party" CSCV states respectively and being in the "Waiting for Instructions" FSM for CS state for CS2, accepts an Connect invoke component received from the SCF (does not send a returnError component), when the destinationRoutingAddress (identifying the Handed-off SSF), correlationID and scfID parameters are contained in the component and have valid values, legToBeCreated=3 and csID=2. Verify also that a SetupReq is sent from SigCon C.
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.4, 8.2.2.7, 11.18.1, 11.19.1, 11.12 Part 1.3: 7.2.2, 7.3.1.1, 7.3.5
Selection Cond.	InitiatingBHandedOff
Preamble:	PRE_S1P_1P_WFI
Test description	L1!Connect(destinationRoutingAddress, correlationID, scfID, legToBeCreated=3 and csID=2)
Pass criteria	CP1_3?SetupReq
Postamble:	ReleaseABC

IN3_A_SRF_CO_BV_04	
Work item no.:	ITEM_SRF_172
IN2 Ref(tmp)	None
Purpose:	Verify that the Initiating SSF, being in the CS configuration S1P_1P and being in the "Waiting for instructions" FSM for CS state for CS1 and CS2, accepts two Connect invoke components received from the SCF, one for each CS.
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.4, 8.2.2.7, 11.18.1, 11.19.1, 11.12 Part 1.3: 7.2.2, 7.3.1.1, 7.3.5
Selection Cond.	InitiatingBHandedOff
Preamble:	PRE_S1P_1P_WFI
Test description	L1!Connect(destinationRoutingAddress, correlationID1, scfID, legToBeCreated=3, csID=1) CP1_3?SetupReq L1!Connect(destinationRoutingAddress, correlationID2, scfID, legToBeCreated=4, csID=2) CP1_4?SetupReq
Pass criteria	SetupReq received from SigConC and SigConD.
Postamble:	ReleaseABCD

IN3_A_SRF_CO_BI_01	
Work item no.:	ITEM_SRF_173
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF sends an Connect returnError component indicating errorCode "missingParameter", after having received an Connect invoke component without mandatory parameter destinationRoutingAddress .
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.4, 8.2.2.7, 11.18.1, 11.19.1, 11.12 Part 1.3: 7.2.2, 7.3.1.1, 7.3.5
Selection Cond.	InitiatingBHandedOff
Preamble:	PRE_1P_WFI
Test description	SCF sends to IUT an Connect invoke component without mandatory parameter destinationRoutingAddress .
Pass criteria	L1!Connect returnError(missingParameter) NOTE: no SetupReq is issued from SigCon C.
Postamble:	ReleaseA

IN3_A_SRF_CO_BI_02	
Work item no.:	ITEM_SRF_174
IN2 Ref(tmp)	None
Purpose:	Verify that the Initiating SSF sends an Connect returnError component indicating errorCode "missingParameter", after having received an Connect invoke component with valid parameter values for the destinationRoutingAddress , correlationID and scfID parameters, but without parameters callSegmentID and legID , when the CSA contains more than one CS.
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.4, 8.2.2.7, 11.18.1, 11.19.1, 11.12 Part 1.3: 7.2.2, 7.3.1.1, 7.3.5
Selection Cond.	InitiatingBHandedOff
Preamble:	PRE_S1P_1P_WFI
Test description	SCF sends to IUT an Connect invoke component with valid parameter values for the destinationRoutingAddress , correlationID and scfID parameters, but without parameters callSegmentID and legID .
Pass criteria	L1?Connect returnError(missingParameter) NOTE: no SetupReq is issued from SigCon C.
Postamble:	ReleaseAB

6.6.3 Initiating SSF (IUT) directly interacting with SRF

This group of TPs is applicable to Configuration A only.

6.6.3.1 EstablishTemporaryConnection (EC) procedure

IN3_A_SRF_EC_BV_06	
Work item no.:	ITEM_SRF_67
IN2 Ref(tmp)	IN2_A_BASIC_EC_CA_01
Purpose:	Verify that the SSF, handling a single-CS CSA with a single leg and being in the "Wait for instructions" FSM for CS state, accepts an EstablishTemporaryConnection invoke component received from the SCF (does not send a returnError component), when the assistingSSPIPRoutingAddress , correlationID and scfID parameters are contained in the component and have valid values, but the partyToConnect parameter is not contained in the received component.
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.4, 8.2.2.7, 11.18.1, 11.19.1, 11.22 Part 1.3: 7.2.2, 7.3.1.1, 7.3.5
Selection Cond.	InitiatingAETcSRF
Preamble:	PRE_WFI
Test description	L1!EstablishTemporaryConnection(assistingSSPIPRoutingAddress, correlationID, scfID, no partyToConnect)
Pass criteria	No returnError component sent (within some Wait-time)
Postamble:	DisconnectForwardReleaseA

IN3_A_SRF_EC_BV_07	
Work item no.:	ITEM_SRF_68
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, handling a single-CS CSA in the "Stable_2_Party (S2P) CSCV state and in the "Monitoring" FSM for CS state, accepts an EstablishTemporaryConnection invoke component received from the SCF (does not send a returnError component), when the assistingSSIPRoutingAddress , correlationID and scfID parameters are contained in the component and have valid values, but the partyToConnect parameter is not contained in the received component.
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.4, 8.2.2.7, 11.18.1, 11.19.1, 11.22 Part 1.3: 7.2.2, 7.3.1.1, 7.3.5
Selection Cond.	InitiatingAEtcSRF
Preamble:	PRE_S2P_MON
Test description	L1!EstablishTemporaryConnection(assistingSSIPRoutingAddress, correlationID, scfID, no partyToConnect)
Pass criteria	No returnError component sent (within some Wait-time)
Postamble:	DisconnectForwardReleaseAB

IN3_A_SRF_EC_BV_08	
Work item no.:	ITEM_SRF_69
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, handling a two-CS CSA in the "Stable_1_Party (S1P) and "1_Party" CSCV states respectively and being in the "Monitoring" FSM for CS state for CS1, accepts an EstablishTemporaryConnection invoke component received from the SCF (does not send a returnError component), when the assistingSSIPRoutingAddress , correlationID and scfID parameters are contained in the component and have valid values, and the partyToConnect parameter value is "legID 2".
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.4, 8.2.2.7, 11.18.1, 11.19.1, 11.22 Part 1.3: 7.2.2, 7.3.1.1, 7.3.5
Selection Cond.	InitiatingAEtcSRF
Preamble:	PRE_S1P_1P_MON
Test description	L1!EstablishTemporaryConnection(assistingSSIPRoutingAddress, correlationID, scfID, partyToConnect: legID 2)
Pass criteria	No returnError component sent (within some Wait-time)
Postamble:	DisconnectFWAReleaseAB(legID 2)

IN3_A_SRF_EC_BV_09	
Work item no.:	ITEM_SRF_71
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, handling a two-CS CSA in the "Stable_1_Party (S1P) and "1_Party" CSCV states respectively and being in the "Wait for Instructions" FSM for CS state for CS2, accepts an EstablishTemporaryConnection invoke component received from the SCF (does not send a returnError component), when the assistingSSIPRoutingAddress , correlationID and scfID parameters are contained in the component and have valid values, and the partyToConnect parameter value is csID 2.
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.4, 8.2.2.7, 11.18.1, 11.19.1, 11.22 Part 1.3: 7.2.2, 7.3.1.1, 7.3.5
Selection Cond.	InitiatingAEtcSRF
Preamble:	PRE_S1P_1P_MON
Test description	CP1_1!ServiceFeatureIndication L1!EstablishTemporaryConnection(assistingSSIPRoutingAddress, correlationID, scfID, partyToConnect: csID 2)
Pass criteria	No returnError component sent (within some Wait-time)
Postamble:	DisconnectFWAReleaseAB(csID 2)

IN3_A_SRF_EC_BV_10	
Work item no.:	ITEM_SRF_146
IN2 Ref(tmp)	None
Purpose:	Verify that the Initiating SSF, being in the CS configuration S1P_1P and being in the "Monitoring" FSM for CS state for CS1 and CS2, accepts two EstablishTemporaryConnection invoke components received from the SCF, one for each CS.
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.4, 8.2.2.7, 11.18.1, 11.19.1, 11.22 Part 1.3: 7.2.2, 7.3.1.1, 7.3.5
Selection Cond.	InitiatingAETcSRF
Preamble:	PRE_S1P_1P_MON
Test description	L1!EstablishTemporaryConnection(assistingSSPIPRoutingAddress, correlationID1, scfID, partyToConnect: csID 1) Wait a while L1!EstablishTemporaryConnection(assistingSSPIPRoutingAddress, correlationID2, scfID, partyToConnect: csID 2) Wait a while
Pass criteria	No EstablishTemporaryConnection returnError received
Postamble:	DisconnectFWAReleaseAB2(csID 1,csID 2)

IN3_A_SRF_EC_BI_06	
Work item no.:	ITEM_SRF_70
IN2 Ref(tmp)	IN2_A_BASIC_EC_BI_01
Purpose:	Verify that the SSF sends an EstablishTemporaryConnection returnError component indicating errorCode "missingParameter", after having received an EstablishTemporaryConnection invoke component without mandatory parameter assistingSSPIPRoutingAddress .
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.4, 8.2.2.7, 11.18.1, 11.19.1, 11.22 Part 1.3: 7.2.2, 7.3.1.1, 7.3.5
Selection Cond.	InitiatingAETcSRF
Preamble:	PRE_1P_MON
Test description	SCF sends to IUT an EstablishTemporaryConnection invoke component without mandatory parameter assistingSSPIPRoutingAddress.
Pass criteria	L1!EstablishTemporaryConnection returnError(missingParameter)
Postamble:	ReleaseA

IN3_A_SRF_EC_BI_07	
Work item no.:	ITEM_SRF_72
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF sends an EstablishTemporaryConnection returnError component indicating errorCode "missingParameter", after having received an EstablishTemporaryConnection invoke component without mandatory parameter correlationID .
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.4, 8.2.2.7, 11.18.1, 11.19.1, 11.22 Part 1.3: 7.2.2, 7.3.1.1, 7.3.5
Selection Cond.	InitiatingAETcExplicitCorrelation
Preamble:	PRE_1P_MON
Test description	SCF sends to IUT an EstablishTemporaryConnection invoke component without mandatory parameter correlationID.
Pass criteria	L1!EstablishTemporaryConnection returnError(missingParameter)
Postamble:	ReleaseA

IN3_A_SRF_EC_BI_08	
Work item no.:	ITEM_SRF_73
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF sends an EstablishTemporaryConnection returnError component indicating errorCode "missingParameter", after having received an EstablishTemporaryConnection invoke component without mandatory parameter scfID.
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.4, 8.2.2.7, 11.18.1, 11.19.1, 11.22 Part 1.3: 7.2.2, 7.3.1.1, 7.3.5
Selection Cond.	InitiatingAETcExplicitCorrelation
Preamble:	PRE_1P_MON
Test description	SCF sends to IUT an EstablishTemporaryConnection invoke component without mandatory parameter scfID.
Pass criteria	L1!EstablishTemporaryConnection returnError(missingParameter)
Postamble:	ReleaseA

IN3_A_SRF_EC_BI_09	
Work item no.:	ITEM_SRF_74
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF sends an EstablishTemporaryConnection returnError component indicating errorCode "unexpectedComponentSequence", after having received an EstablishTemporaryConnection invoke component with valid parameter values for the assistingSSIPRoutingAddress, correlationID and scfID parameters, but without parameter partyToConnect, when the CSA contains more than one CS.
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.4, 8.2.2.7, 11.18.1, 11.19.1, 11.22 Part 1.3: 7.2.2, 7.3.1.1, 7.3.5
Selection Cond.	InitiatingAETcSRF
Preamble:	PRE_S1P_1P_MON
Test description	SCF sends to IUT an EstablishTemporaryConnection invoke component with valid parameter values for the assistingSSIPRoutingAddress , correlationID and scfID parameters, but without parameter partyToConnect.
Pass criteria	L1!EstablishTemporaryConnection returnError(unexpectedComponentSequence)
Postamble:	ReleaseAB

6.6.3.2 Disconnect procedures

This group of TPs is selected/deselected by selection expression InitiatingAETcSRF.

6.6.3.2.1 DisconnectForwardConnection (DF) procedure (without argument)

IN3_A_SRF_DF_BV_05	
Work item no.:	ITEM_SRF_147
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a temporary connection related to a single-CS CSA with a single leg and being in the "Waiting for End of Temporary Connection" FSM for CS state, accepts an DisconnectForwardConnection invoke component received from the SCF (does not send a returnError component).
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.4, 8.2.2.6, 8.2.2.7, 8.3.3, 8.4.2, 8.4.3, 11.18 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.18.1, 9.18.3.1, 9.8, 13.1.1
Selection Cond.	
Preamble:	PRE_WFI
Test description	L1!EstablishTemporaryConnection(valid assistingSSIPRoutingAddress, correlationID, scfID, partyToConnect (if applicable)) Wait L1! DisconnectForwardConnection invoke
Pass criteria	No DisconnectForwardConnection returnError received (during some wait-time)
Postamble:	ReleaseA

IN3_A_SRF_DF_BV_06	
Work item no.:	ITEM_SRF_148
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a temporary connection related to a single-CS CSA in the "Stable_2_Party" (S2P) CSCV state and being in the "Waiting for End of Temporary Connection (MON)" FSM for CS state, accepts an DisconnectForwardConnection invoke component received from the SCF (does not send a returnError component).
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.4, 8.2.2.6, 8.2.2.7, 8.3.3, 8.4.2, 8.4.3, 11.18 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.18.1, 9.18.3.1, 9.8, 13.1.1
Selection Cond.	
Preamble:	PRE_S2P_MON
Test description	L1!EstablishTemporaryConnection(valid assistingSSPIPRoutingAddress, correlationID, scfID, partyToConnect (if applicable)) Wait L1! DisconnectForwardConnection invoke
Pass criteria	No DisconnectForwardConnection returnError received (during some wait-time)
Postamble:	ReleaseAB

IN3_A_SRF_DF_BO_05	
Work item no.:	ITEM_SRF_149
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, operating a single-CS CSA in the "Originating_Setup" (OS) CSCV state and being in the "Wait for Instructions" FSM for CS state (not having established a temporary connection), sends a DisconnectForwardConnection returnError component indicating errorCode "unexpectedComponentSequence", after having received an DisconnectForwardConnection invoke component.
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.3, 8.2.2.4, 8.2.2.6, 8.2.2.7, 8.3.3, 8.4.3, 11.18
Selection Cond.	
Preamble:	PRE_WFI
Test description	L1! DisconnectForwardConnection invoke
Pass criteria	L1? DisconnectForwardConnection returnError(UnexpectedComponentSequence)
Postamble:	ReleaseA

IN3_A_SRF_DF_BO_06	
Work item no.:	ITEM_SRF_150
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, operating a single-CS CSA in the "Stable_2_Party (S2P) CSCV state and being in the "Monitoring" FSM for CS state (not having established a temporary connection), sends a DisconnectForwardConnection returnError component indicating errorCode "unexpectedComponentSequence", after having received an DisconnectForwardConnection invoke component.
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.3, 8.2.2.4, 8.2.2.6, 8.2.2.7, 8.3.3, 8.4.3, 11.18
Selection Cond.	
Preamble:	PRE_S2P_MON
Test description	L1! DisconnectForwardConnection invoke
Pass criteria	L1? DisconnectForwardConnection returnError(UnexpectedComponentSequence)
Postamble:	ReleaseAB

6.6.3.2.2 DisconnectForwardConnectionWithArgument (DW) procedure

IN3_A_SRF_DW_BV_05	
Work item no.:	ITEM_SRF_151
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a temporary connection related to a single-CS CSA with a single leg and being in the "Waiting for End of Temporary Connection" FSM for CS state, does not send a DisconnectForwardConnectionWithArgument returnError component when having received from the SCF a DisconnectForwardConnectionWithArgument invoke component, indicating partyToDisconnect "legID 1".
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.4, 8.2.2.6, 8.2.2.7, 8.3.3, 8.4.2, 8.4.3, 11.18 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.18.1, 9.18.3.1, 9.8, 13.1.1
Selection Cond.	
Preamble:	PRE_WFI
Test description	L1!EstablishTemporaryConnection(valid assistingSSPIPRoutingAddress, correlationID, scfID, partyToConnect: legID 1) Wait L1! DisconnectForwardConnectionWithArgument invoke(partyToDisconnect "legID 1")
Pass criteria	No DisconnectForwardConnectionWithArgument returnError component received (during some wait-time)
Postamble:	ReleaseA

IN3_A_SRF_DW_BV_06	
Work item no.:	ITEM_SRF_152
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a temporary connection related to a two-CS CSA in the "Stable_1_Party" (S1P) and "1_Party" (1P) CSCV states respectively and being in the "Waiting for End of Temporary Connection (MON)" FSM for CS state for CS 2, does not send a DisconnectForwardConnectionWithArgument returnError component when having received from the SCF a DisconnectForwardConnectionWithArgument invoke component, indicating partyToDisconnect "csID 2".
Requirement ref	Part 1.2: 8.2, 8.2.1.2, 8.2.2, 8.2.2.3, 8.2.2.4, 8.2.2.6, 8.2.2.7, 8.3.3, 8.4.2, 8.4.3, 11.18 Part 1.3: 7.2, 7.2.1, 7.2.2, 7.2.3, 8.2.2, 9.18.1, 9.18.3.1, 9.8, 13.1.1
Selection Cond.	
Preamble:	PRE_S1P_1P_MON
Test description	L1!EstablishTemporaryConnection(valid assistingSSPIPRoutingAddress, correlationID, scfID, partyToConnect: "csID 2") Wait L1! DisconnectForwardConnectionWithArgument invoke (partyToDisconnect "csID 2")
Pass criteria	No DisconnectForwardConnectionWithArgument returnError component received (during some wait-time)
Postamble:	ReleaseAB

IN3_A_SRF_DW_BI_07	
Work item no.:	ITEM_SRF_153
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a temporary connection related to a single-CS CSA with a single leg and being in the "Waiting for End of Temporary Connection" FSM for CS state, sends a DisconnectForwardConnectionWithArgument returnError component indicating errorCode "missingParameter", after having received an DisconnectForwardConnectionWithArgument invoke component without partyToDisconnect parameter.
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.3, 8.2.2.4, 8.2.2.6, 8.2.2.7, 8.3.3, 8.4.3, 11.18
Selection Cond.	
Preamble:	PRE_WFI
Test description	L1!EstablishTemporaryConnection(valid assistingSSPIPRoutingAddress, correlationID, scfID, partyToConnect: legID 1) Wait L1! DisconnectForwardConnectionWithArgument invoke(no partyToDisconnect parameter)
Pass criteria	L1? DisconnectForwardConnectionWithArgument returnError(missingParameter)
Postamble:	DisconnectFWAResetA(legID 1)

IN3_A_SRF_DW_BI_08	
Work item no.:	ITEM_SRF_154
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a temporary connection related to a two-CS CSA in the "Stable_1_Party (S2P) and "1_Party" CSCV states respectively and being in the "Waiting for End of Temporary Connection" FSM for CS state related to CS1, sends a DisconnectForwardConnectionWithArgument returnError component indicating errorCode "unknownLegID", after having received an DisconnectForwardConnectionWithArgument invoke component with partyToDisconnect parameter value indicating "legID 3" (invalid).
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.3, 8.2.2.4, 8.2.2.6, 8.2.2.7, 8.3.3, 8.4.3, 11.18
Selection Cond.	
Preamble:	PRE_S1P_1P_MON
Test description	CP1_2!ServiceFeatureIndication L1!EstablishTemporaryConnection(valid assistingSSPIPRoutingAddress, correlationID, scfID, partyToConnect: legID 2) Wait L1! DisconnectForwardConnectionWithArgument invoke(partyToDisconnect parameter: "legID 3")
Pass criteria	L1? DisconnectForwardConnectionWithArgument returnError(unknownLegID)
Postamble:	DisconnectFWAReleaseAB(legID 2)

IN3_A_SRF_DW_BI_09	
Work item no.:	ITEM_SRF_155
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, having established a temporary connection related to a two-CS CSA in the "Stable_1_Party (S2P) and "1_Party" CSCV states respectively and being in the "Waiting for End of Temporary Connection (MON)" FSM for CS state related to CS2, sends a DisconnectForwardConnectionWithArgument returnError component indicating errorCode "unexpectedDataValue", after having received an DisconnectForwardConnectionWithArgument invoke component with partyToDisconnect parameter value indicating "csID 3" (invalid).
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.3, 8.2.2.4, 8.2.2.6, 8.2.2.7, 8.3.3, 8.4.3, 11.18
Selection Cond.	
Preamble:	PRE_S1P_1P_MON
Test description	L1!EstablishTemporaryConnection(valid assistingSSPIPRoutingAddress, correlationID, scfID, partyToConnect: csID 2) Wait L1! DisconnectForwardConnectionWithArgument invoke(partyToDisconnect parameter: "csID 3")
Pass criteria	L1? DisconnectForwardConnectionWithArgument returnError(unexpectedDataValue)
Postamble:	DisconnectFWAReleaseAB(csID 2)

IN3_A_SRF_DW_BO_05	
Work item no.:	ITEM_SRF_156
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, operating a single-CS CSA in the "Originating_Setup" (OS) CSCV state and being in the "Wait for Instructions" FSM for CS state (not having established a temporary connection), sends a DisconnectForwardConnectionWithArgument returnError component indicating errorCode "unexpectedComponentSequence", after having received an DisconnectForwardConnectionWithArgument invoke component (partyToDisconnect legID 1).
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.3, 8.2.2.4, 8.2.2.6, 8.2.2.7, 8.3.3, 8.4.3, 11.18
Selection Cond.	
Preamble:	PRE_WFI
Test description	L1! DisconnectForwardConnectionWithArgument invoke(partyToDisconnect legID 1)
Pass criteria	L1? DisconnectForwardConnectionWithArgument returnError(UnexpectedComponentSequence)
Postamble:	ReleaseA

	IN3_A_SRF_DW_BO_06
Work item no.:	ITEM_SRF_157
IN2 Ref(tmp)	None
Purpose:	Verify that the SSF, operating a single-CS CSA in the "Stable_2_Party (S2P) CSCV state and being in the "Monitoring" FSM for CS state (not having established a temporary connection), sends a DisconnectForwardConnectionWithArgument returnError component indicating errorCode "unexpectedComponentSequence", after having received an DisconnectForwardConnectionWithArgument invoke component indicating partyToDisconnect "legID 1".
Requirement ref	Part 1.2: 8.2.1.2, 8.2.2.3, 8.2.2.4, 8.2.2.6, 8.2.2.7, 8.3.3, 8.4.3, 11.18
Selection Cond.	
Preamble:	PRE_S2P_MON
Test description	L1! DisconnectForwardConnectionWithArgument invoke(partyToDisconnect "legID 1")
Pass criteria	L1? DisconnectForwardConnectionWithArgument returnError(UnexpectedComponentSequence)
Postamble:	ReleaseAB

Annex A (normative): Parameter values used in MSCs for CORE INAP CS3 - SRF primitives

Table A.1 is an abstract from the PIXIT for CORE INAP CS3, showing the values of the parameters of CORE INAP primitives used to design the MSCs.

Table A.1

Item	Parameter	Parameter type	Explanation/Format	Value
	PIX_AChBillingChargingCharacteristics	AChBillingChargingCharacteristics	"xx"H	44
	PIX_AlertingPattern	AlertingPattern	"xxx"H	123
	PIX_AlertingPattern_ICA	AlertingPattern	"xxx"H	124
	PIX_APtyAbandonCause	Cause	"xx"H	0F
	PIX_APtyDiscCause	Cause	"xx"H	10
	PIX_AssistingSSPIRoutingAddress	AssistingSSPIRoutingAddress	"xxxx"H	7755
	PIX_BPtyBusy_UDUBCause	Cause	"xx"H	0D
	PIX_BPtyNoAnswerCause	Cause	"xx"H	09
	PIX_CalledPartyNumber1_CON	CalledPartyNumber	LegId 2 "xxxx"H	2001
	PIX_CalledPartyNumber2_CON	CalledPartyNumber	LegId 3 "xxxx"H	2003
	PIX_CalledPartyNumber3_CON	CalledPartyNumber	LegId 4 "xxxx"H	2005
	PIX_CalledPartyNumber4_CON	CalledPartyNumber	LegId 5 "xxxx"H	2007
	PIX_CalledPartyNumber5_CON	CalledPartyNumber	LegId 6 "xxxx"H	2009
	PIX_CalledPartyNumber6_CON	CalledPartyNumber	LegId 7 "xxxx"H	2011
	PIX_CalledPartyNumber7_CON	CalledPartyNumber	LegId 8 "xxxx"H	2013
	PIX_CalledPartyNumber8_CON	CalledPartyNumber	LegId 9 "xxxx"H	2015
	PIX_CalledPartyNumberInvalid_CON	CalledPartyNumber	"xxxx"H	AA20
	PIX_CalledPartyNumber1_ICA	CalledPartyNumber	LegId 2 "xxxx"H	2100
	PIX_CalledPartyNumber2_ICA	CalledPartyNumber	LegId 3 "xxxx"H	2101
	PIX_CalledPartyNumber3_ICA	CalledPartyNumber	LegId 4 "xxxx"H	2102
	PIX_CalledPartyNumber4_ICA	CalledPartyNumber	LegId 5 "xxxx"H	2103
	PIX_CalledPartyNumber5_ICA	CalledPartyNumber	LegId 6 "xxxx"H	2104
	PIX_CalledPartyNumber6_ICA	CalledPartyNumber	LegId 7 "xxxx"H	2105
	PIX_CalledPartyNumber7_ICA	CalledPartyNumber	LegId 8 "xxxx"H	2106
	PIX_CalledPartyNumber1_SetupInd	CalledPartyNumber	"xxxx"H	2000
	PIX_CalledPartyNumber2_SetupInd	CalledPartyNumber	"xxxx"H	2002
	PIX_CallingPartyNumber1	CallingPartyNumber	"xxxx"H	1000
	PIX_CallingPartyNumber2	CallingPartyNumber	"xxxx"H	1002
	PIX_CallingPartysCategory_CON	CallingPartysCategory	"xx"H	BB
	PIX_CallingPartysCategory_SetupInd	CallingPartysCategory	"xx"H	CC
	PIX_DateAndTime	DateAndTime	YYMMDDHHMMSS	980115123030
	PIX_Duration	Duration	Seconds	66
	PIX_EventTypeCharging1	EventTypeCharging		"AAAA"
	PIX_EventTypeCharging2	EventTypeCharging		"CCCC"
	PIX_FCIBillingChargingCharacteristics	FCIBillingChargingCharacteristics		55
	PIX_InbandInfo_message	InbandInfo	InformationToSend	"AABB"
	PIX_Interval	Integer	Seconds	33
	PIX_IPRoutingAddress	IPRoutingAddress	"xxx"H	400
	PIX_LocationNumber	LocationNumber	"xxxx"H	9001
	PIX_MaximumNumberOfCounters	MaximumNumberOfCounters	"xx"H	14
	PIX_NumberOfCalls	Integer	xx	13
	PIX_OriginalCalledPartyNumber	CalledPartyNumber	"xxxx"H	2211
	PIX_RedirectingPartyNumber	CalledPartyNumber	"xxxx"H	3000
	PIX_RedirectionInformation	RedirectionInformation	"xx"H	AA
	PIX_ReleaseCause	Cause	"xx"H	00
	PIX_RouteSelectFailure1Cause	Cause	"xx"H	0B

Item	Parameter	Parameter type	Explanation/Format	Value
	PIX_RouteSelectFailure2Cause	Cause	"xx"H	0C
	PIX_ScfID	ScfID	"xxxx"H	8881
	PIX_ServiceInteractionIndicators	ServiceInteractionIndicators	"xx"H	22
	PIX_ServiceKey1	ServiceKey	"xx"H	27
	PIX_ServiceKey2	ServiceKey	"xx"H	28
	PIX_SFBillingChargingCharacteristics	SFBillingChargingCharacteristics	"xxxx"H	BBBB
	PIX_StartTime	DateAndTime	YYMMDDHHMMSS	971128113015
	PIX_StopTime	DateAndTime	YYMMDDHHMMSS	971212113015
	PIX_ElementaryMessageID	integer	xxx	191
	PIX_CorrelationId	correlationID	"xxx"H	AAA
	PIX_UiScriptID1	integer	xxx	202
	PIX_UiScriptID2	integer	xxx	203
	PIX_UiScriptIDInvalid	integer	xxx	210
	PIX_UiScriptResult	UiScriptResult	"xxxx"H	5110
	PIX_UiScriptSpecificInfo	UiScriptSpecificInfo	"xxxx"H	5220

History

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