

**Intelligent Network (IN);
Intelligent Network Application Protocol (INAP);
Capability Set 2 (CS2);
Part 3: Test Suite Structure and Test Purposes (TSS&TP)
specification for Service Switching Function (SSF);
Sub-part 3: Specialized Resource Functions (SRF)**



Reference

DEN/SPS-03038-3-3

Keywords

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Foreword

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

The present document is part 3, sub-part 3 of a multi-part EN covering the Intelligent Network Application Protocol (INAP) capability set 2, as identified below:

Part 1: "Protocol specification";

Part 2: "Protocol Implementation Conformance Statement (PICS) proforma specification";

Part 3: "Test Suite Structure and Test Purposes (TSS&TP) specification for Service Switching Function (SSF)";

Sub-part 1: "Basic capability set of CS-1 including CS-2 complements";

Sub-part 2: "Call Party Handling (CPH)";

Sub-part 3: "Specialized Resource Functions (SRF)";

Part 4: "Abstract Test Suite (ATS) specification and Partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma for Service Switching Function (SSF)";

Part 5: "Distributed Functional Plane (DFP) [ITU-T Recommendation Q.1224 (1997) modified]".

Proposed national transposition dates	
Date of latest announcement of this EN (doa):	3 months after ETSI publication
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	6 months after doa
Date of withdrawal of any conflicting National Standard (dow):	6 months after doa

1 Scope

The present document contains the Test Purposes (TPs) for Specialized Resource Functions (SRF) testing, part of CoreINAP CS2. The present document complements the initial document EN 301 140-3-1 [1] and EN 301 140-3-2 [2].

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, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies.
- A non-specific reference to an ETS shall also be taken to refer to later versions published as an EN with the same number.

[1] ETSI EN 301 140-3-1: "Intelligent Network (IN); Intelligent Network Application Protocol (INAP); Capability Set 2 (CS2); Part 3: Test Suite Structure and Test Purposes (TSS&TP) specification for Service Switching Function (SSF); Sub-part 1: Basic capability set of CS-1 including CS-2 complements".

[2] ETSI EN 301 140-3-2: "Intelligent Network (IN); Intelligent Network Application Protocol (INAP); Capability Set 2 (CS2); Part 3: Test Suite Structure and Test Purposes (TSS&TP) specification for Service Switching Function (SSF); Sub-part 2: Call Party Handling (CPH)".

3 Definitions and abbreviations

3.1 Definitions

For the purposes of the present document, the terms and definitions given in EN 301 140-3-1 [1] apply:

3.2 Abbreviations

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

CPH	Call Party Handling
CS	Call Segment
CS	Capability Set
INAP	Intelligent Network Application Protocol
IUT	Implementation Under Test
MSC	Message Sequence Chart
PIXIT	Protocol Implementation eXtra Information for Testing
SCF	Service Control Function
SRF	Specialized Resource Function
SSF	Service Switching Function
SSP	Service Switching Point
TP	Test Purpose
TSS	Test Suite Structure

4 Void

See EN 301 140-3-1 [1].

5 Void

See EN 301 140-3-1 [1].

6 Void

See EN 301 140-3-1 [1].

7 Void

See EN 301 140-3-2 [2].

8 TP for SRF functions

8.1 Introduction

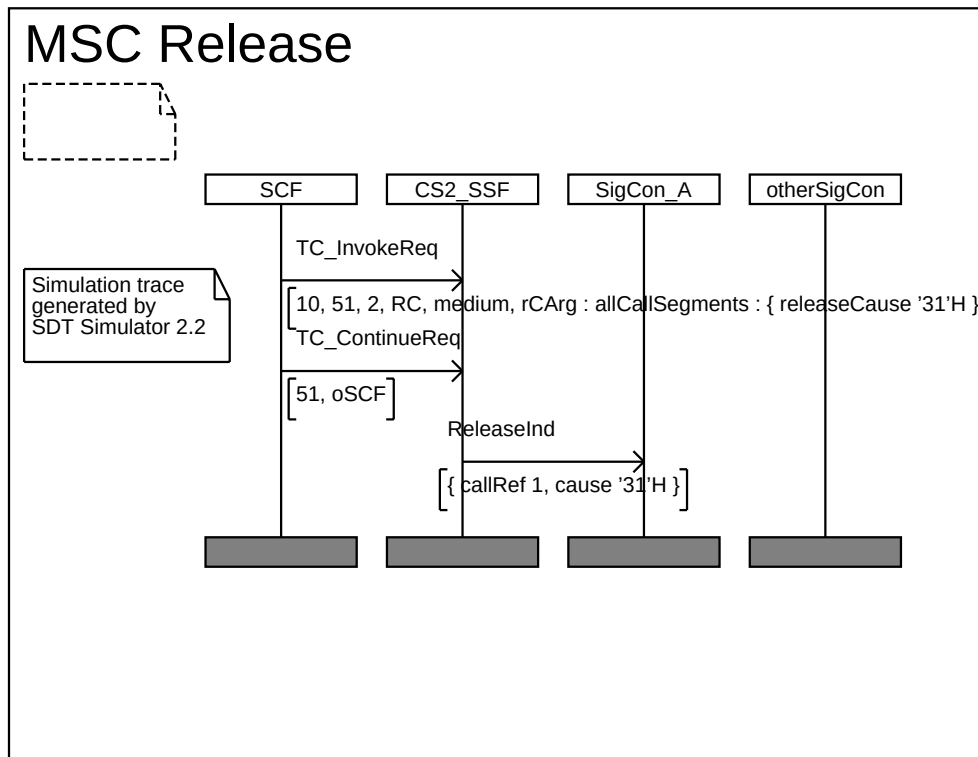
Testing SRF requires several different configurations. These configurations are described in annex A of EN 301 140-3-1 [1].

8.2 Preamble used for SRF testing

SRF testing uses the preamble named O_OS_null_null defined for CPH testing (see EN 301 140-3-2 [2]).

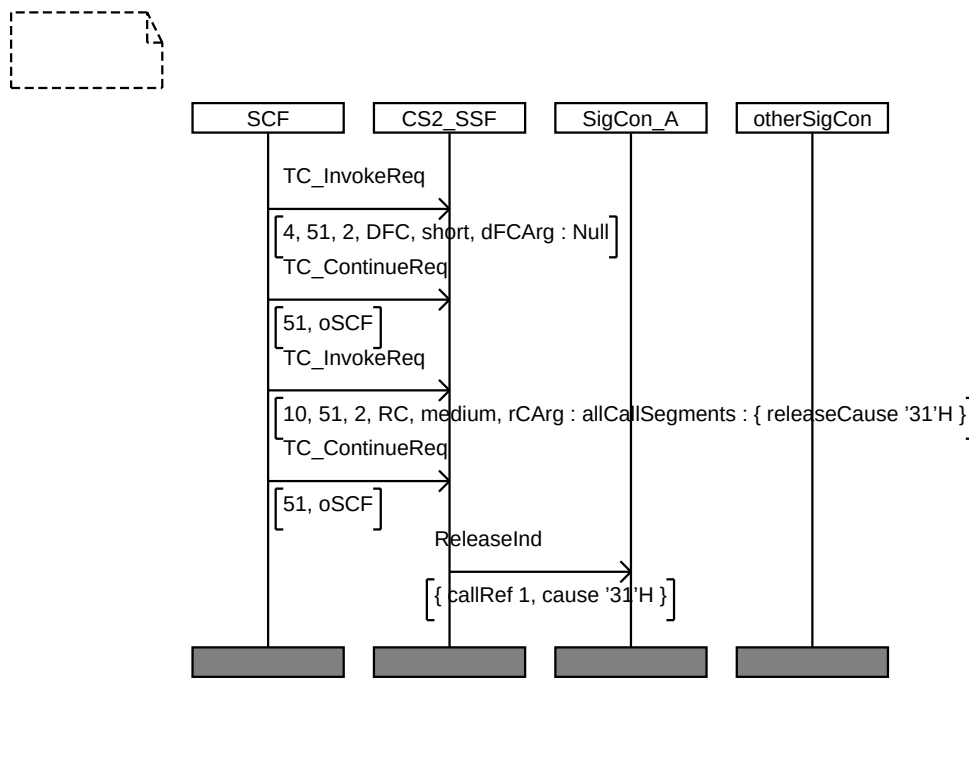
8.3 Postambles used for SRF testing

8.3.1 Release



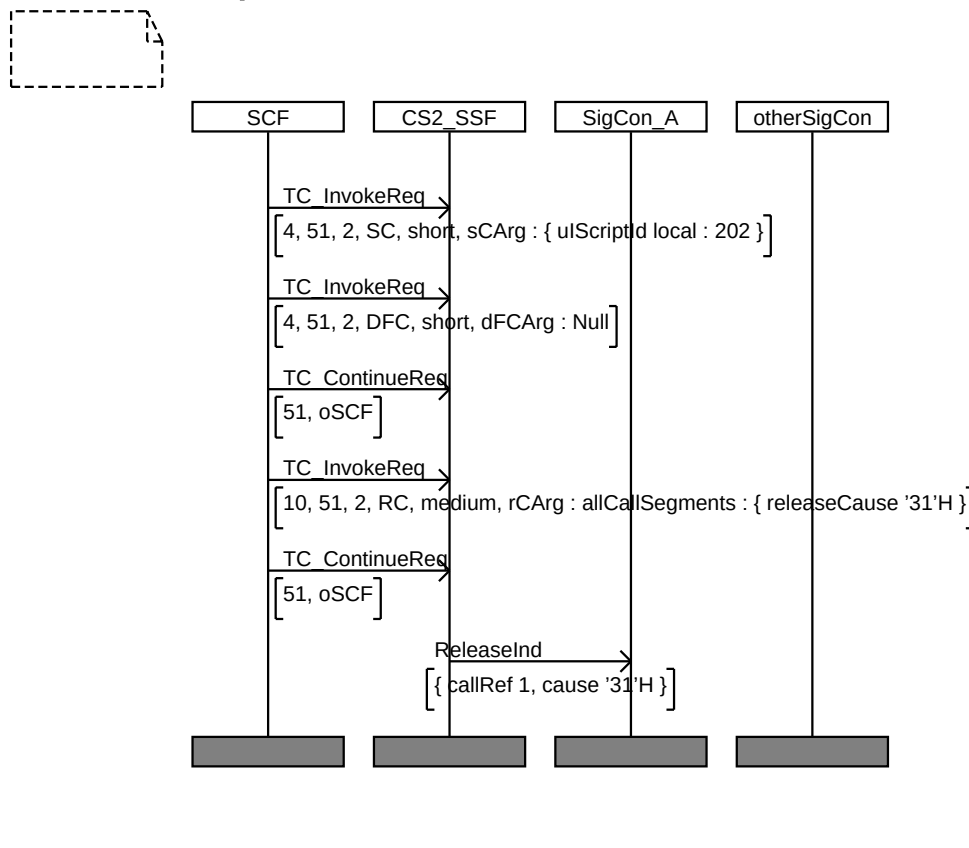
8.3.2 DisconnectAndRelease

MSC DisconnectAndRelease



8.3.3 ScriptCloseDisconnectAndRelease

MSC ScriptCloseDisconnectAndRelease



8.4 Configuration where SSF is the IUT

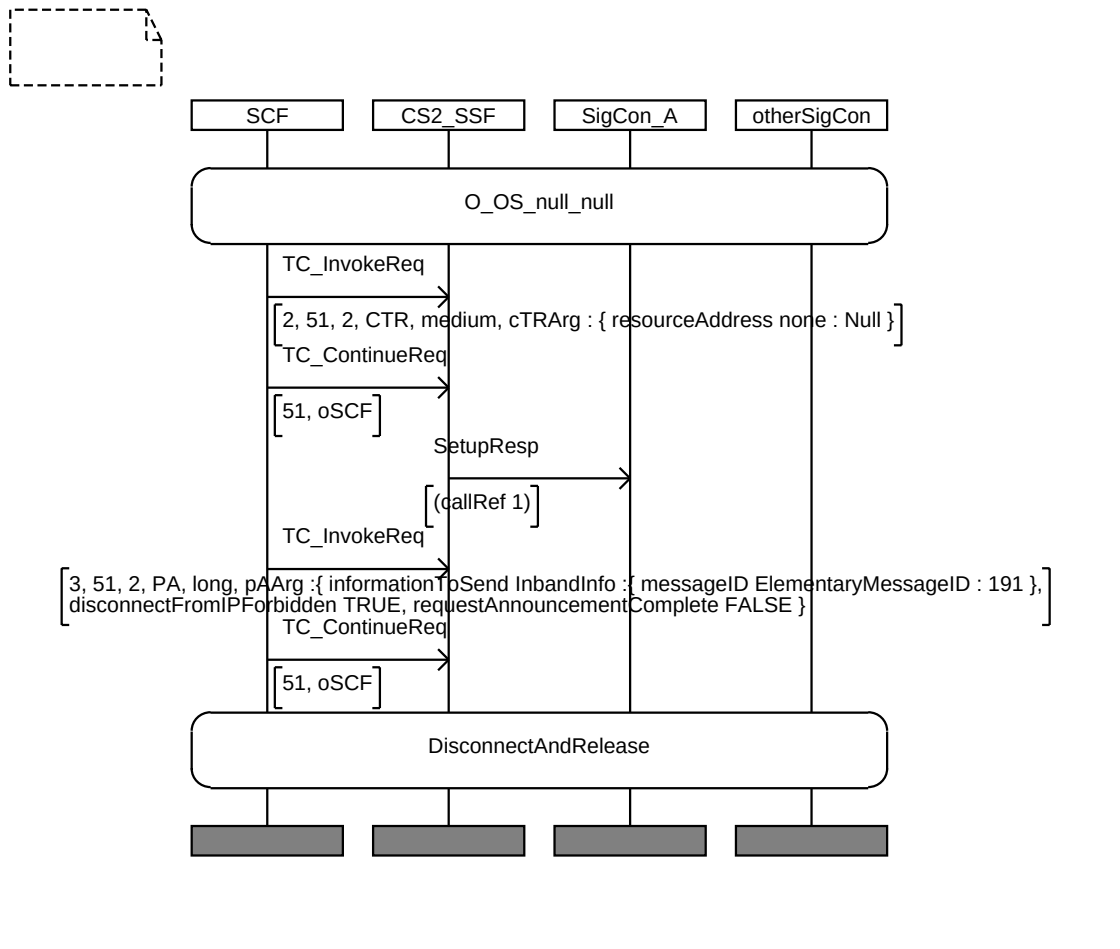
For these TP, the implementation under test (IUT) is an SSF with an integrated SRF. The main tester is the SCF. SigconA and SigconB are parallel points of observation. Refer to functional configuration 1.4 defined in Annex A.

The MSCs have the usual representation of the following: SCF, SSF, SigconA and SigconB.

8.4.1 ConnectToResource (CR) procedure

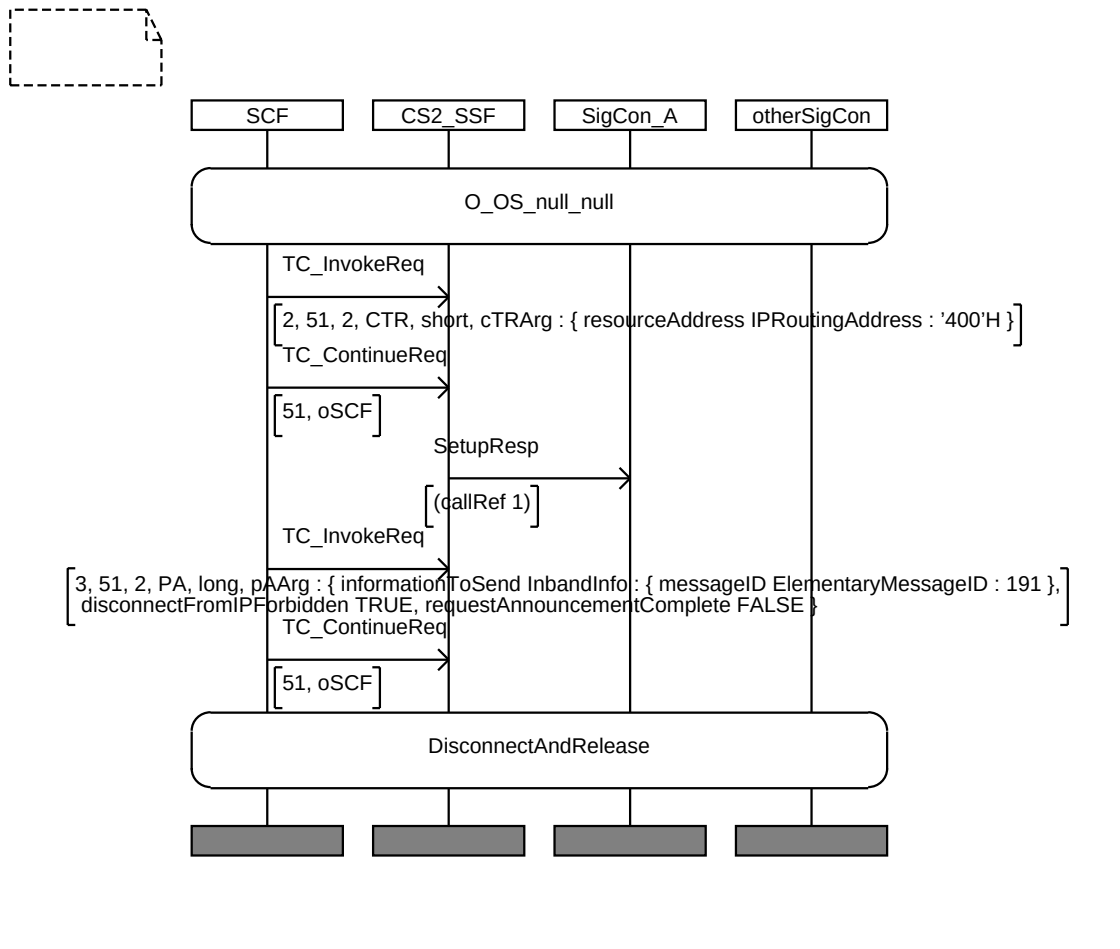
IN2_A_BASIC_CR_CA_01	
Purpose:	Test of ConnectToResource procedure
Requirement ref	
Selection Cond.	
Preamble:	O_OS_null_null
Test description	SCF sends to IUT a ConnectToResource invoke containing mandatory parameters only with: - resourceAddress being none
Pass criteria	- Check that IUT establishes a connection between the calling party and SRF To check it, SCF sends to IUT a PlayAnnouncement invoke containing mandatory parameters only with: - informationToSend - inbandInfo - messageID - elementaryMessageID being any valid value This invoke has to be accepted by the IUT
Postamble:	DisconnectAndRelease

MSC IN2_A_BASIC_CR_CA_01



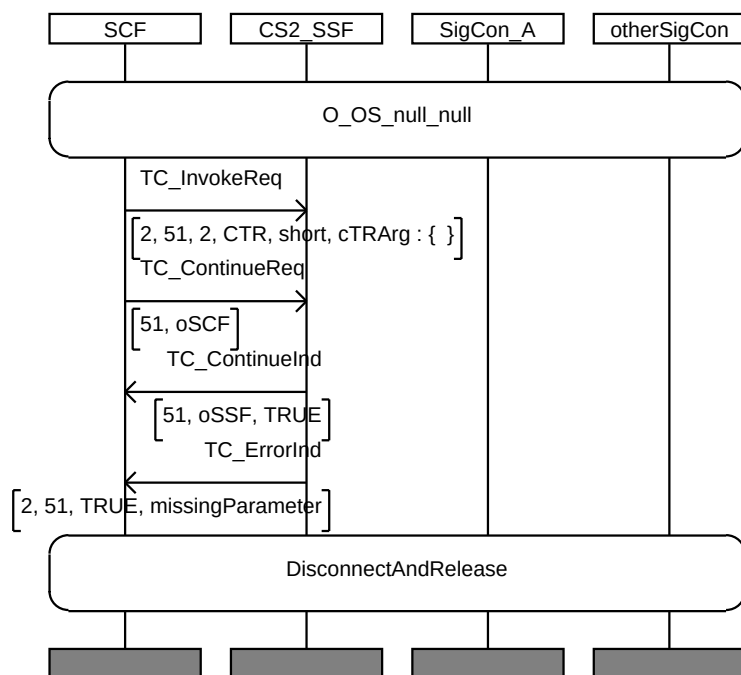
IN2_A_BASIC_CR_CA_02	
Purpose:	Test of ConnectToResource procedure
Requirement ref	
Selection Cond.	
Preamble:	O_OS_null_null
Test description	SCF sends to IUT a ConnectToResource invoke containing mandatory parameters only with: - resourceAddress being iPRoutingAddress with any valid value
Pass criteria	- Check that IUT establishes a connection between the call and SRF To check it, SCF sends to IUT a PlayAnnouncement invoke containing mandatory parameters only with: - informationToSend - inbandInfo - messageID - elementaryMessageID being any valid value
Postamble:	DisconnectAndRelease

MSC IN2_A_BASIC_CR_CA_02



IN2_A_BASIC_CR_BI_01	
Purpose:	Test of ConnectToResource procedure with missing parameter
Requirement ref	
Selection Cond.	
Preamble:	O_OS_null_null
Test description	SCF sends to IUT a ConnectToResource invoke NOT containing mandatory parameter
Pass criteria	- Check that IUT returns ConnectToResource error with missing parameter
Postamble:	DisconnectAndRelease

MSC IN2_A_BASIC_CR_BI_01

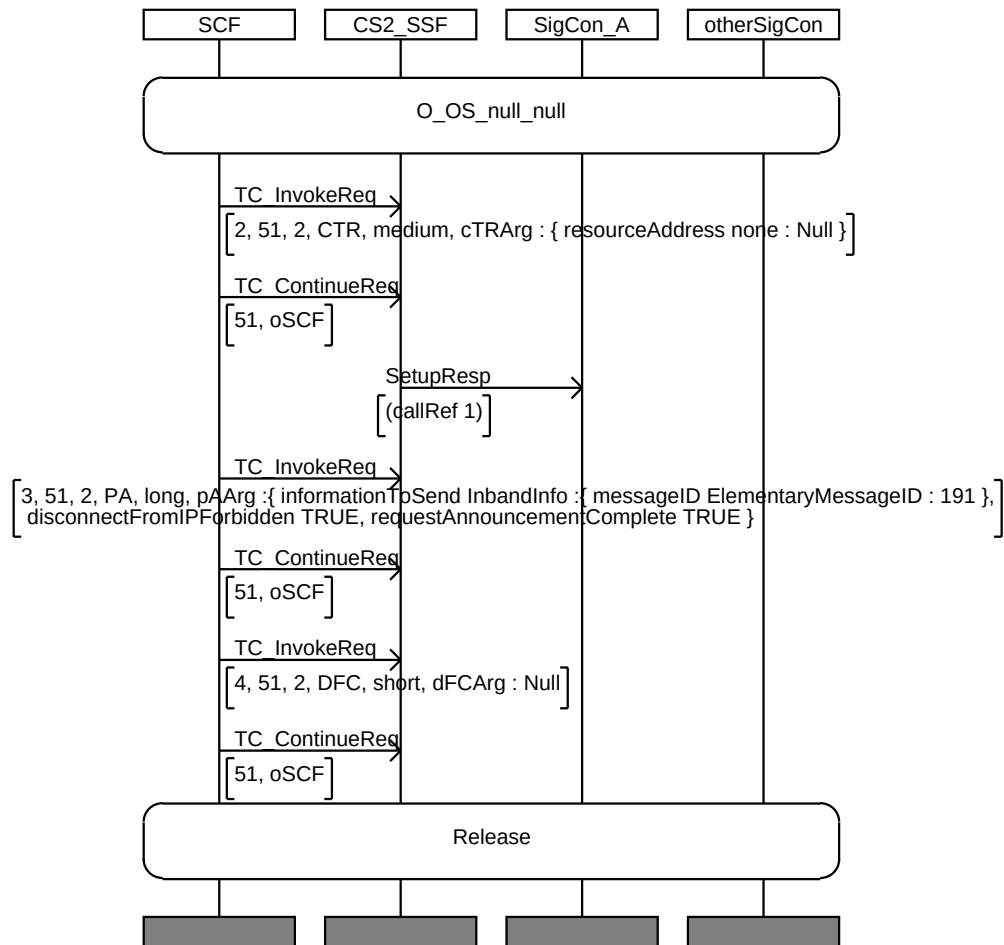


8.4.2 DisconnectForwardConnection

8.4.2.1 DisconnectForwardConnection (DF) procedure

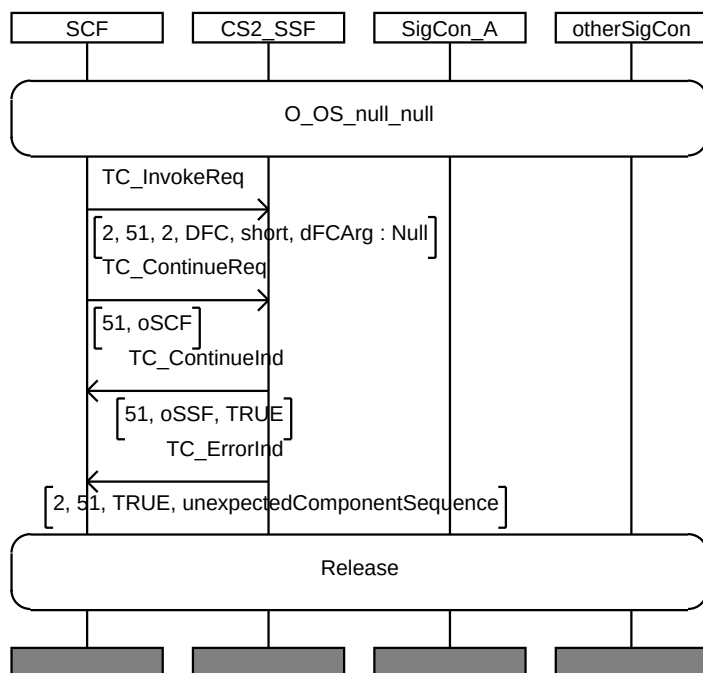
IN2_A_BASIC_DF_CA_01	
Purpose:	Test of DisconnectForwardConnection procedure
Requirement ref	
Selection Cond.	
Preamble:	O_OS_null_null
Test description	- SCF sends to IUT a ConnectToResource invoke containing mandatory parameters only with: ☐ resourceAddress being none -SCF sends to IUT an PlayAnnouncement invoke containing parameter ☐ informationToSend any valid value ☐ disconnectFromIPForbidden set to TRUE ☐ requestAnnouncementComplete set to TRUE - SCF sends to IUT a DisconnectForwardConnection invoke
Pass criteria	- Check that IUT accepts the operation
Postamble:	Release

MSC IN2_A_BASIC_DF_CA_01



IN2_A_BASIC_DF_BO_01	
Purpose:	Test of DisconnectForwardConnection procedure in wrong state
Requirement ref	
Selection Cond.	
Preamble:	O_OS_null_null
Test description	SCF sends to IUT a DisconnectForwardConnection invoke
Pass criteria	- Check that IUT returns DisconnectForwardConnection error with UnexpectedComponentSequence
Postamble:	Release

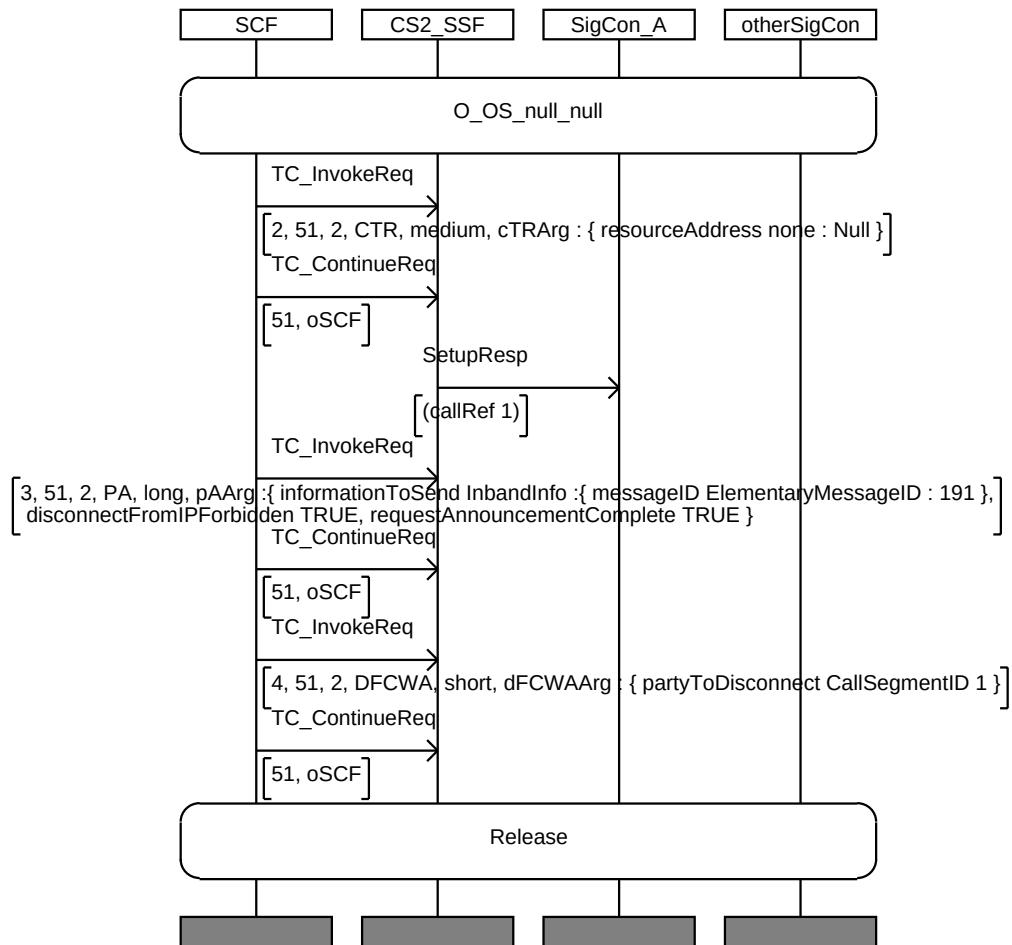
MSC IN2_A_BASIC_DF_BO_01



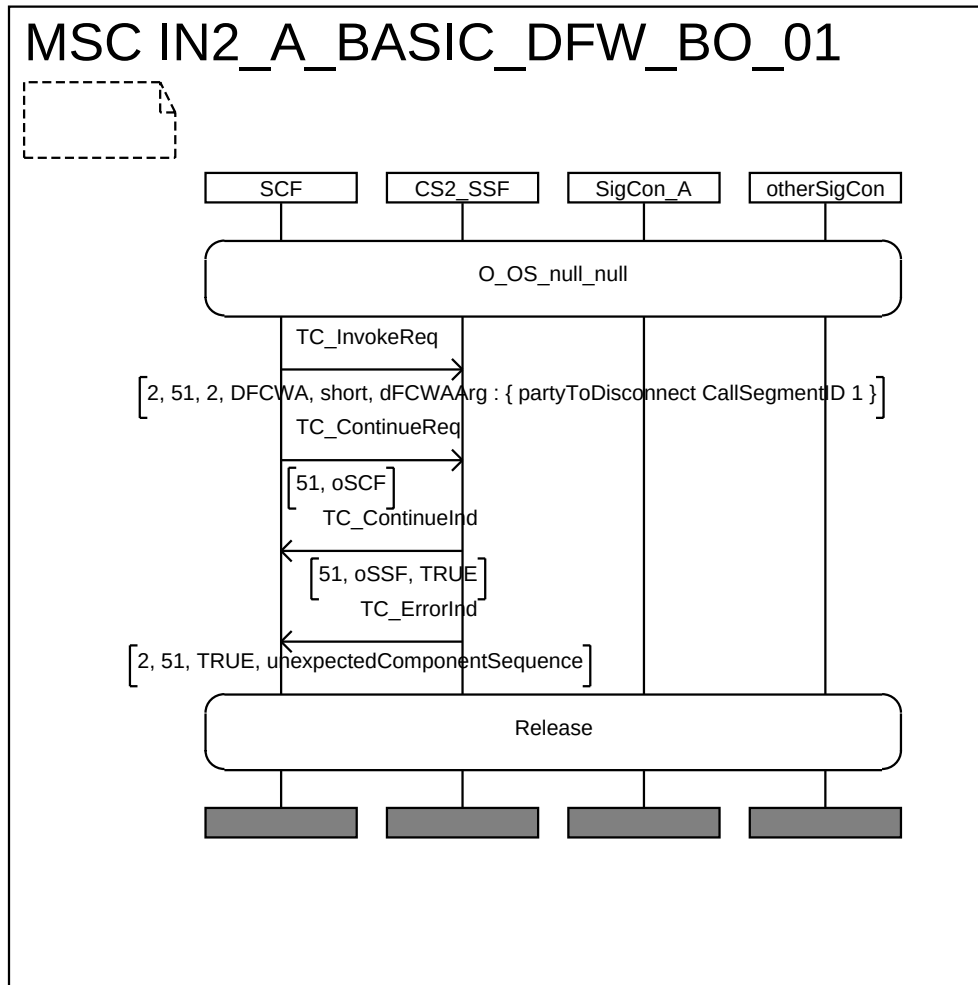
8.4.2.2 DisconnectForwardConnectionWithArgument (DFW) procedure

IN2_A_BASIC_DFW_CA_01	
Purpose:	Test of DisconnectForwardConnectionWithArgument procedure
Requirement ref	
Selection Cond.	
Preamble:	O_OS_null_null
Test description	- SCF sends to IUT a ConnectToResource invoke containing mandatory parameters only with: • resourceAddress being none - SCF sends to IUT an PlayAnnouncement invoke containing parameter: • informationToSend any valid value • disconnectFromIPForbidden set to TRUE • requestAnnouncementComplete set to TRUE SCF sends to IUT a DisconnectForwardConnectionWithArgument invoke containing callSegmentID 1
Pass criteria	- Check that IUT accepts the operation
Postamble:	Release

MSC IN2_A_BASIC_DFW_CA_01



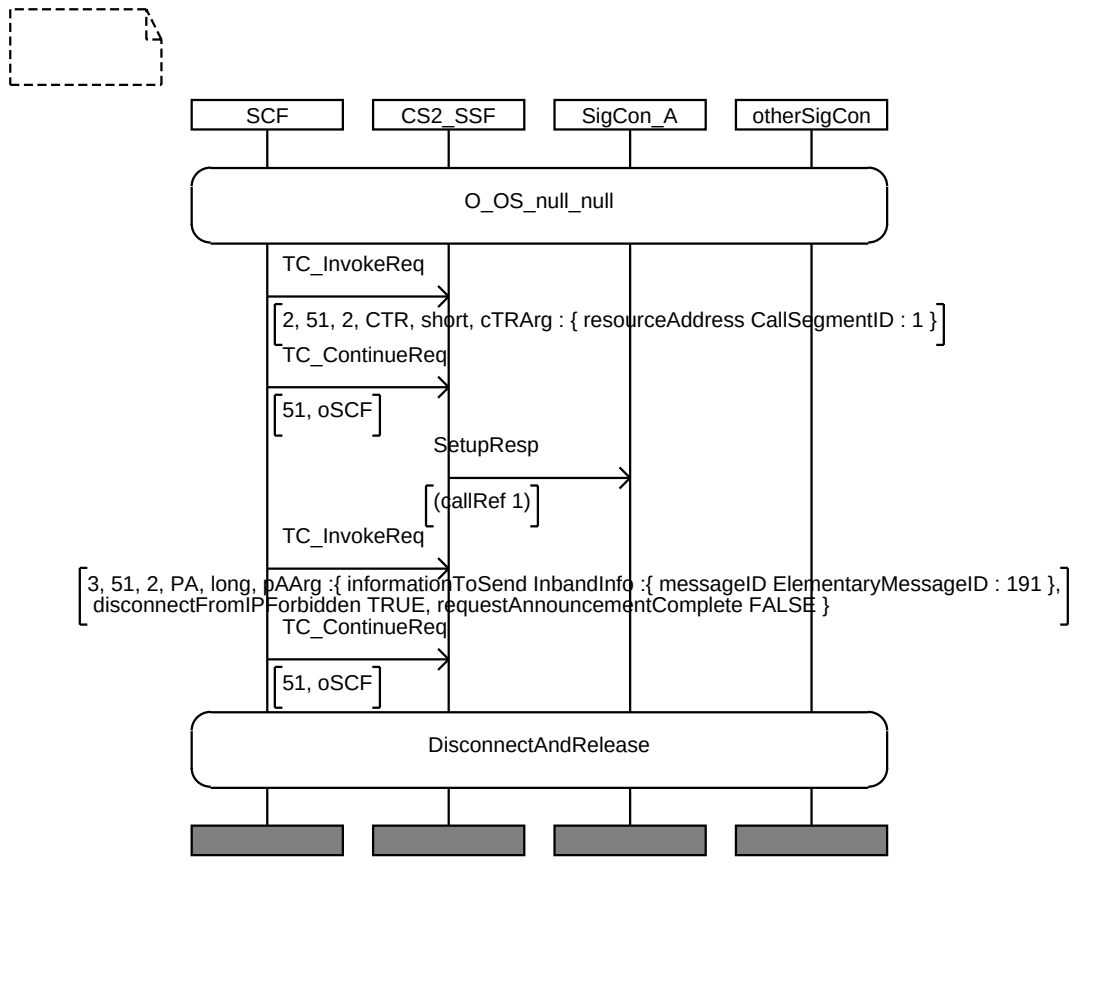
IN2_A_BASIC_DFW_BO_01	
Purpose:	Test of DisconnectForwardConnectionWithArgument procedure in wrong state
Requirement ref	
Selection Cond.	
Preamble:	O_OS_null_null
Test description	SCF sends to IUT a DisconnectForwardConnectionWithArgument invoke
Pass criteria	- Check that IUT returns DisconnectForwardConnectionWithArgument error with UnexpectedComponentSequence
Postamble:	Release



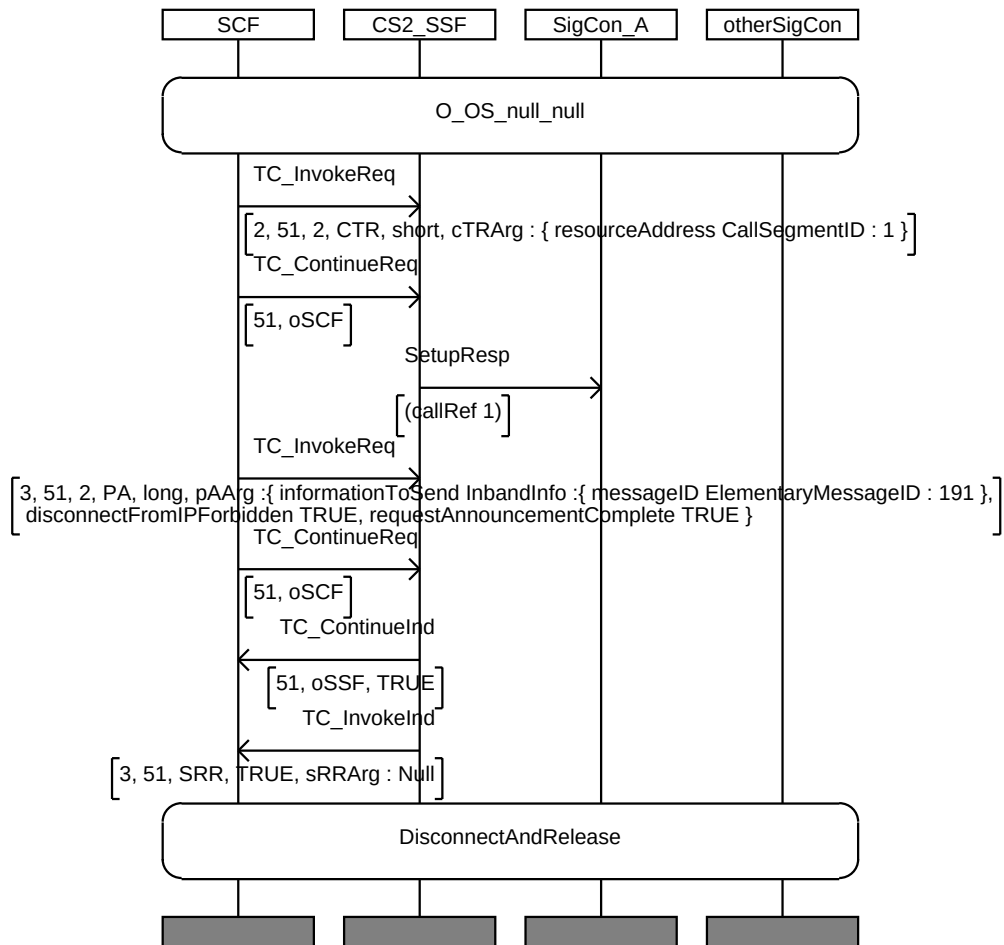
8.4.3 Play Announcement (PA) procedure

IN2_A_BASIC_PA_BV_01	
Purpose:	Test of PlayAnnouncement procedure
Requirement ref	
Selection Cond.	
Preamble:	O_OS_null_null
Test description	SCF sends to IUT a ConnectToResource invoke containing mandatory parameters only with: ☐ resourceAddress being iPRoutingAddress with any valid value - SCF sends to IUT an PlayAnnouncement invoke containing parameter ☐ informationToSend any valid value ☐ disconnectFromIPForbidden set to TRUE ☐ requestAnnouncementComplete set to FALSE
Pass criteria	Check that the IUT (SRF) doesn't send any error
Postamble:	DisconnectAndRelease

MSC IN2_A_BASIC_PA_BV_01

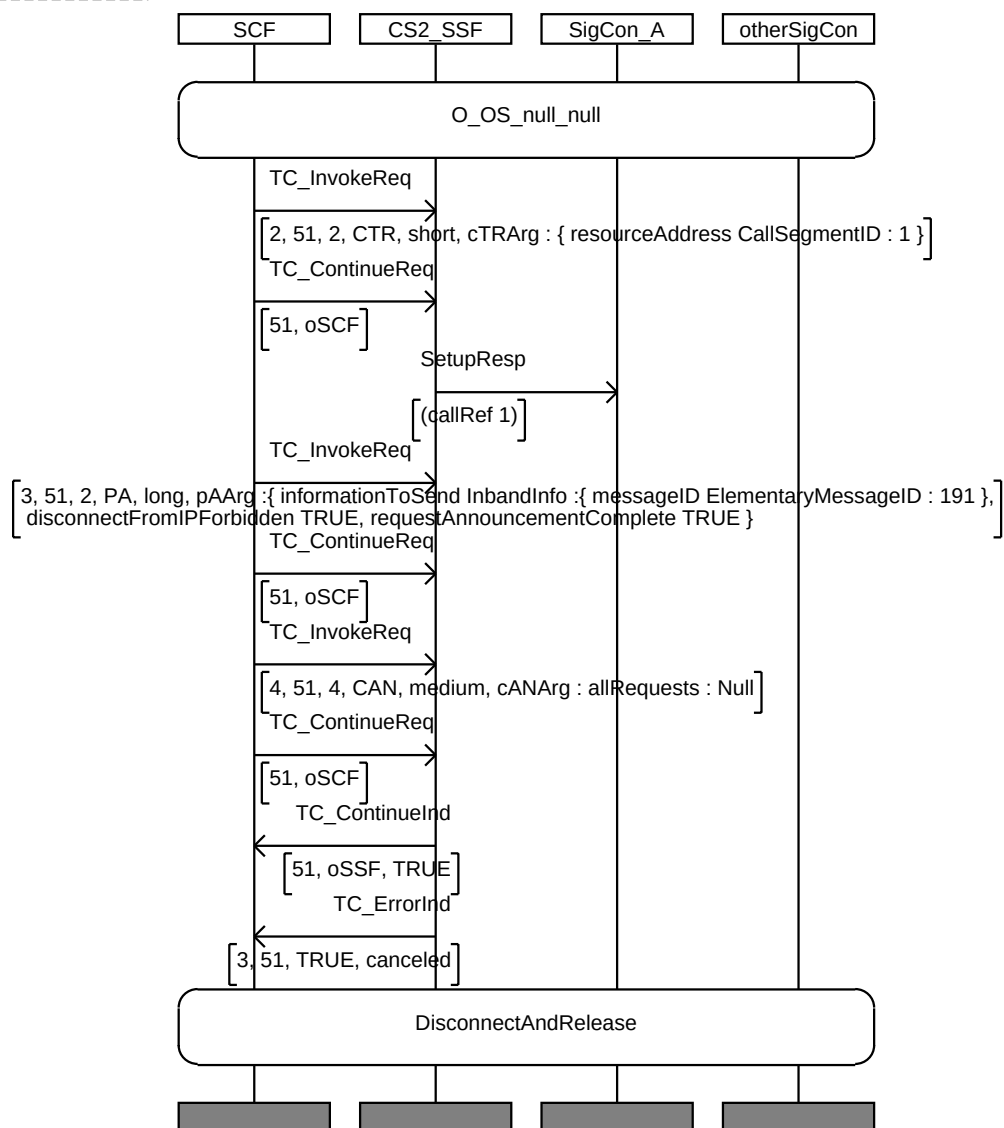


IN2_A_BASIC_PA_BV_02	
Purpose:	Test of PlayAnnouncement procedure
Requirement ref	
Selection Cond.	
Preamble:	O_OS_null_null
Test description	- SCF sends to IUT a ConnectToResource invoke containing mandatory parameters only with: ☐ resourceAddress being iPRoutingAddress with any valid value - SCF sends to IUT an PlayAnnouncement invoke containing parameter ☐ informationToSend any valid value ☐ disconnectFromIPForbidden set to TRUE ☐ requestAnnouncementComplete set to TRUE
Pass criteria	Check that the IUT (SRF) sends a SpecializedResourceReport after the PlayAnnouncement is executed.
Postamble:	DisconnectAndRelease



IN2_A_BASIC_PA_BV_03	
Purpose:	Test of PlayAnnouncement procedure
Requirement ref	
Selection Cond.	
Preamble:	O_OS_null_null
Test description	- SCF sends to IUT a ConnectToResource invoke containing mandatory parameters only with: ☐ resourceAddress being iPRoutingAddress with any valid value - SCF sends to IUT an PlayAnnouncement invoke containing parameter ☐ informationToSend any valid value ☐ disconnectFromIPForbidden set to TRUE ☐ requestAnnouncementComplete set to TRUE - SCF sends a Cancel operation while PlayAnnouncement is executing
Pass criteria	Check that the IUT (SRF) sends an errorInd being Canceled
Postamble:	DisconnectAndRelease

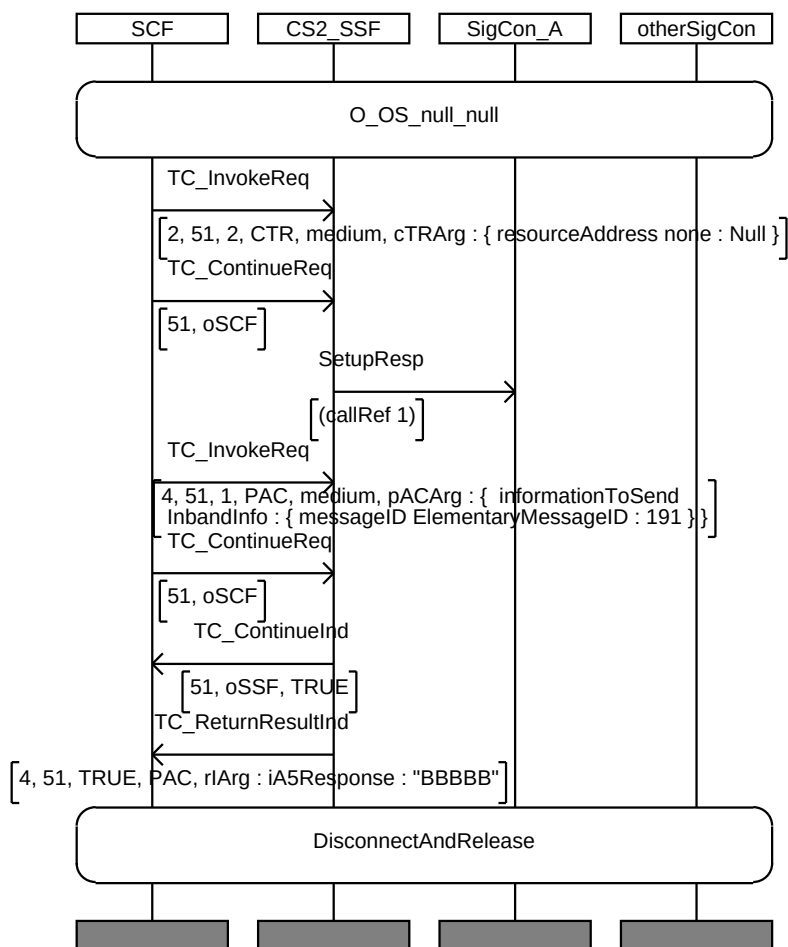
MSC IN2_A_BASIC_PA_BV_03



8.4.4 PromptAndCollectUserInfo (PC) procedure

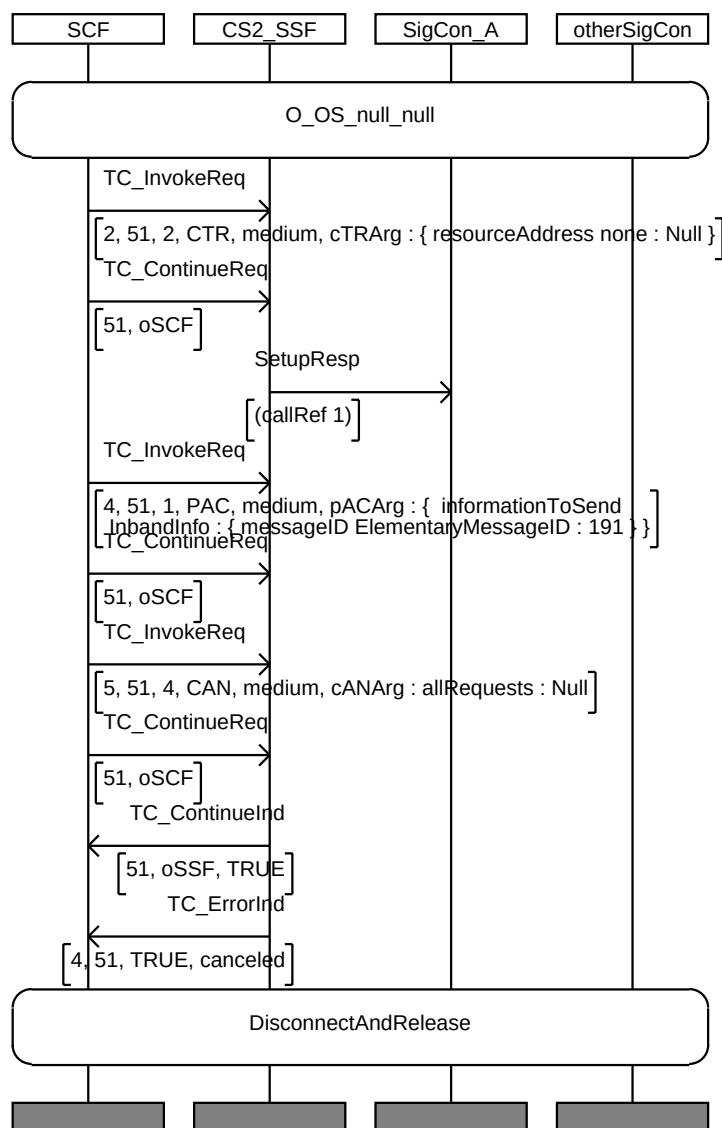
IN2_A_BASIC_PC_BV_01	
Purpose:	Test of PromptAndCollectUserInfo procedure
Requirement ref	
Selection Cond.	
Preamble:	O_OS_null_null
Test description	- SCF sends to IUT a ConnectToResource invoke containing mandatory parameters only with: resourceAddress being iPRoutingAddress with any valid value - SCF sends to IUT an PromptAndCollectUserInfo invoke containing parameter • informationToSend being any valid value • disconnectFromIPForbidden set to TRUE
Pass criteria	Check that the IUT (SRF) sends a ReturnResultInd
Postamble:	DisconnectAndRelease

MSC IN2_A_BASIC_PC_BV_01



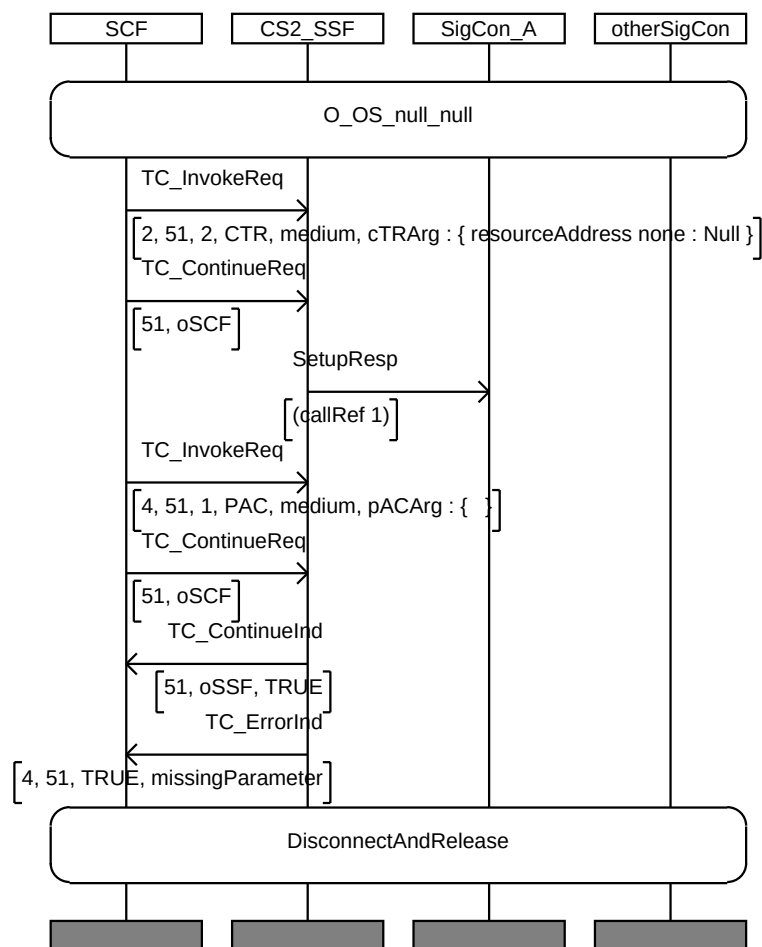
IN2_A_BASIC_PC_BV_02	
Purpose:	Test of PromptAndCollectUserInfo procedure
Requirement ref	
Selection Cond.	
Preamble:	O_OS_null_null
Test description	- SCF sends to IUT a ConnectToResource invoke containing mandatory parameters only with: resourceAddress being iPRoutingAddress with any valid value - SCF sends to IUT an PromptAndCollectUserInfo invoke containing parameter • informationToSend being any valid value • disconnectFromIPForbidden set to TRUE - SCF sends a Cancel operation while PlayAnnouncement is executing
Pass criteria	Check that the IUT (SRF) sends an errorInd being Canceled
Postamble:	DisconnectAndRelease

MSC IN2_A_BASIC_PC_BV_02



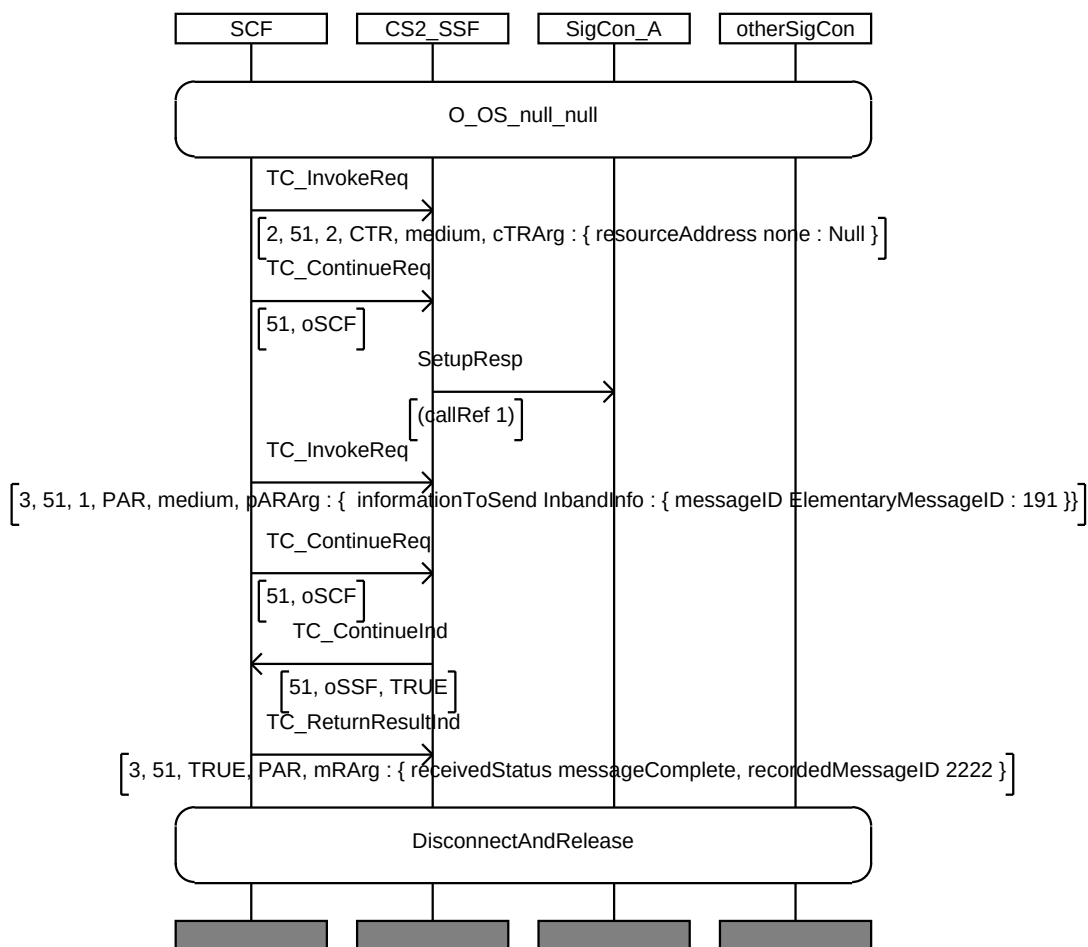
IN2_A_BASIC_PC_BI_01	
Purpose:	Test of PromptAndCollectUserInfo procedure
Requirement ref	
Selection Cond.	
Preamble:	O_OS_null_null
Test description	- SCF sends to IUT a ConnectToResource invoke containing mandatory parameters only with: • resourceAddress being iPRoutingAddress with any valid value - SCF sends to IUT an PromptAndCollectUserInfo without mandatory informationToSend parameter
Pass criteria	Check that the IUT (SRF) sends a missingParameter error
Postamble:	DisconnectAndRelease

MSC IN2_A_BASIC_PC_BI_01



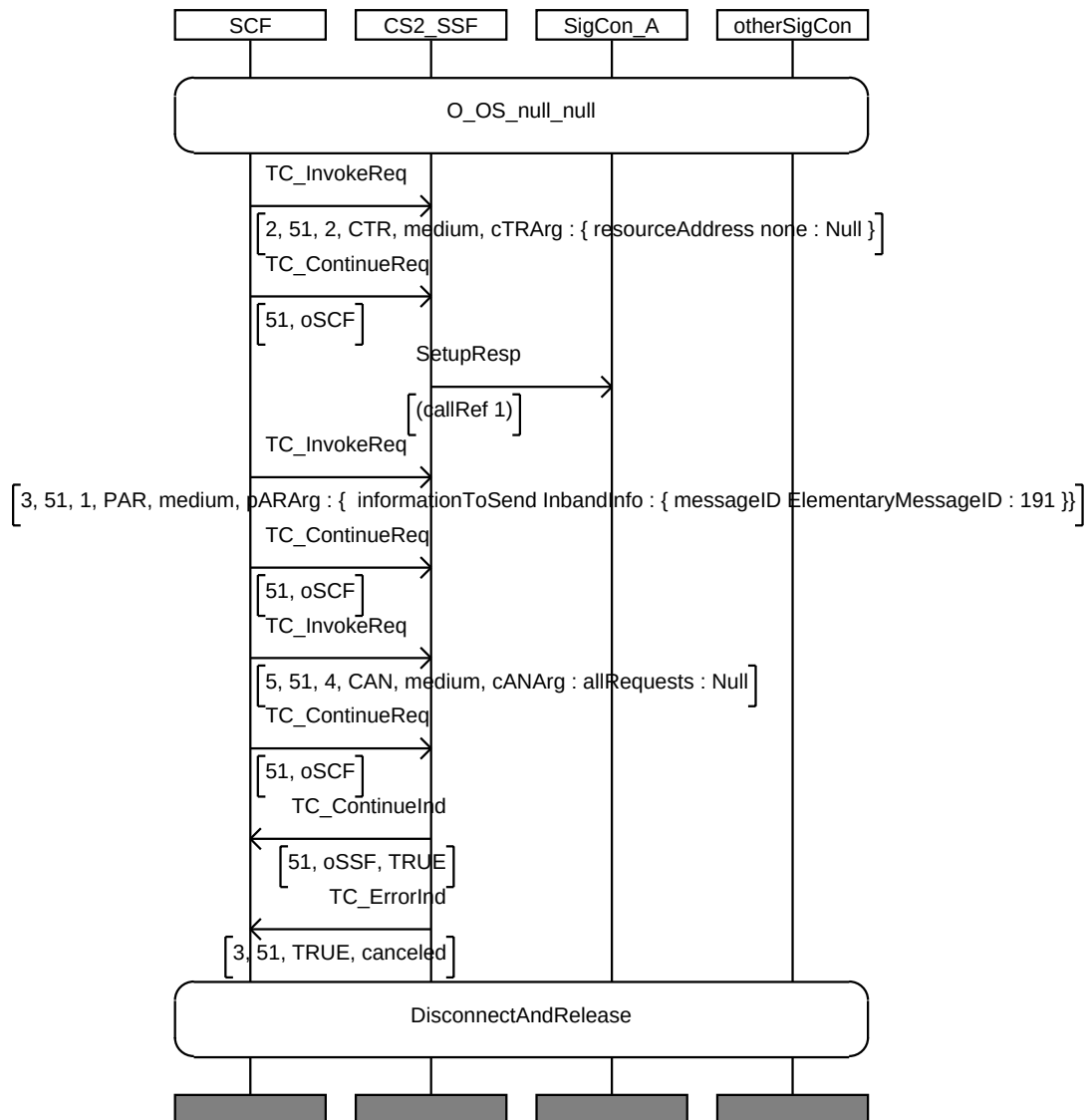
8.4.5 PromptAndReceiveMessage (PR) procedure

IN2_A_BASIC_PR_BV_01	
Purpose:	Test of PromptAndReceiveMessage procedure
Requirement ref	
Selection Cond.	
Preamble:	O_OS_null_null
Test description	- SCF sends to IUT a ConnectToResource invoke containing mandatory parameters only with: - resourceAddress being iPRoutingAddress with any valid value - SCF sends to IUT an PromptAndReceiveMessage invoke containing parameter - informationToSend being any valid value - disconnectFromIPForbidden set to TRUE - media set to DEFAULT
Pass criteria	Check that the IUT (SRF) sends a ReturnResult containing the recordedMessageID
Postamble:	DisconnectAndReceive



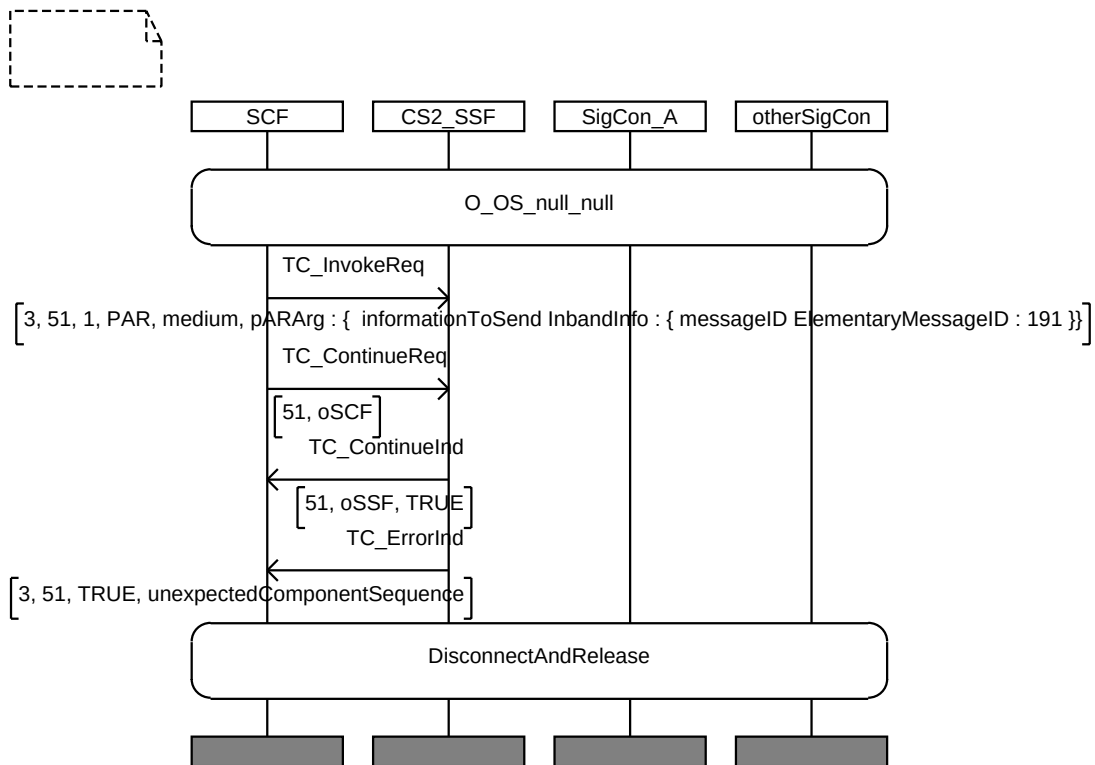
IN2_A_BASIC_PR_BV_02	
Purpose:	Test of PromptAndReceiveMessage procedure
Requirement ref	
Selection Cond.	
Preamble:	O_OS_null_null
Test description	- SCF sends to IUT a ConnectToResource invoke containing mandatory parameters only with: • resourceAddress being iPRoutingAddress with any valid value - SCF sends to IUT an PromptAndReceiveMessage invoke containing parameter • informationToSend being any valid value • disconnectFromIPForbidden set to TRUE • media set to DEFAULT - SCF sends a Cancel operation while PlayAnnouncement is executing
Pass criteria	Check that the IUT (SRF) sends an errorInd being Canceled
Postamble:	DisconnectAndReceive

MSC IN2_A_BASIC_PR_BV_02



IN2_A_BASIC_PR_BO_01	
Purpose:	Test of PromptAndReceiveMessage procedure
Requirement ref	
Selection Cond.	
Preamble:	O_OS_null_null
Test description	- SCF sends to IUT a ConnectToResource invoke containing mandatory parameters only with: resourceAddress being iPRoutingAddress with any valid value - The SCF sends a PromptAndReceiveMessage with mandatory parameters
Pass criteria	Check that the IUT (SRF) sends a unexpectedComponentSequence error
Postamble:	DisconnectAndRelease

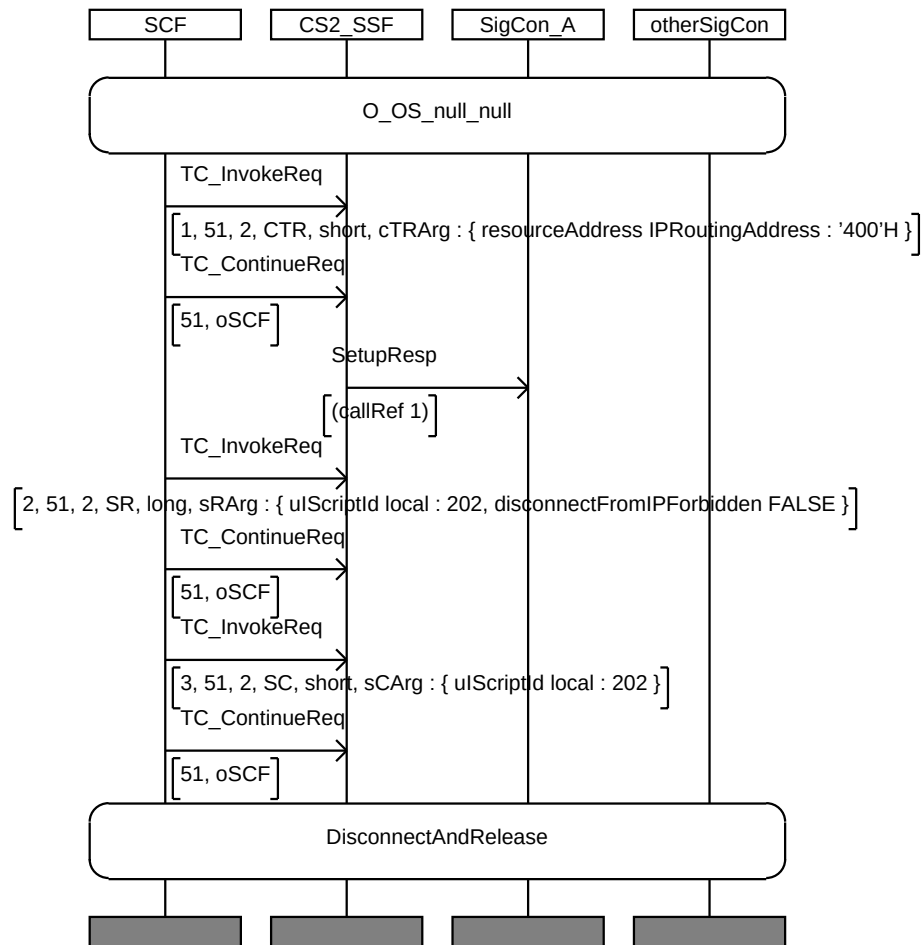
MSC IN2_A_BASIC_PR_BO_01



8.4.6 ScriptClose

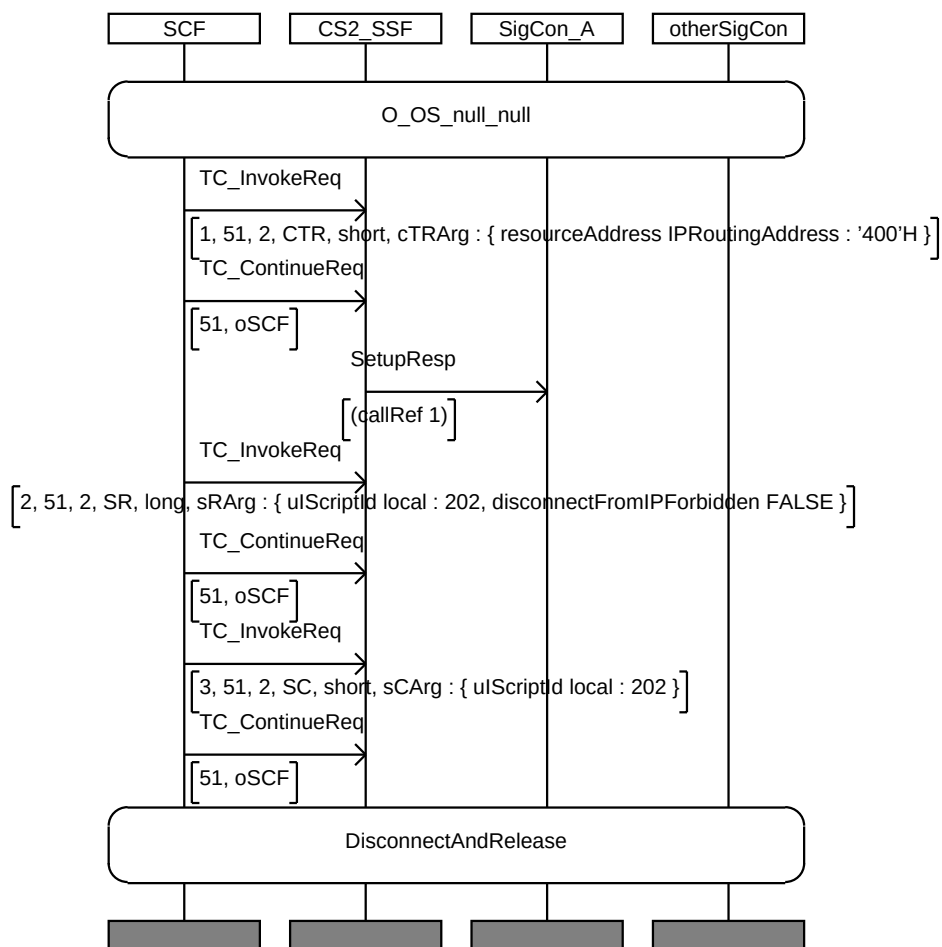
IN2_A_BASIC_SC_CA_01	
Purpose:	Test of ScriptClose procedure
Requirement ref	
Selection Cond.	
Preamble:	O_OS_null_null
Test description	- SCF sends to IUT a ConnectToResource invoke containing mandatory parameters only with: resourceAddress being iPRoutingAddress with any valid value - SCF sends a ScriptRun with parameter uiScriptId being a valid ID which got a corresponding UI-script on the SRF - The SCF sends ScriptClose with parameter • uiScriptId with ID corresponding to a previously started script
Pass criteria	Check that IUT does not send any error
Postamble:	DisconnectAndRelease

MSC IN2_A_BASIC_SC_CA_01



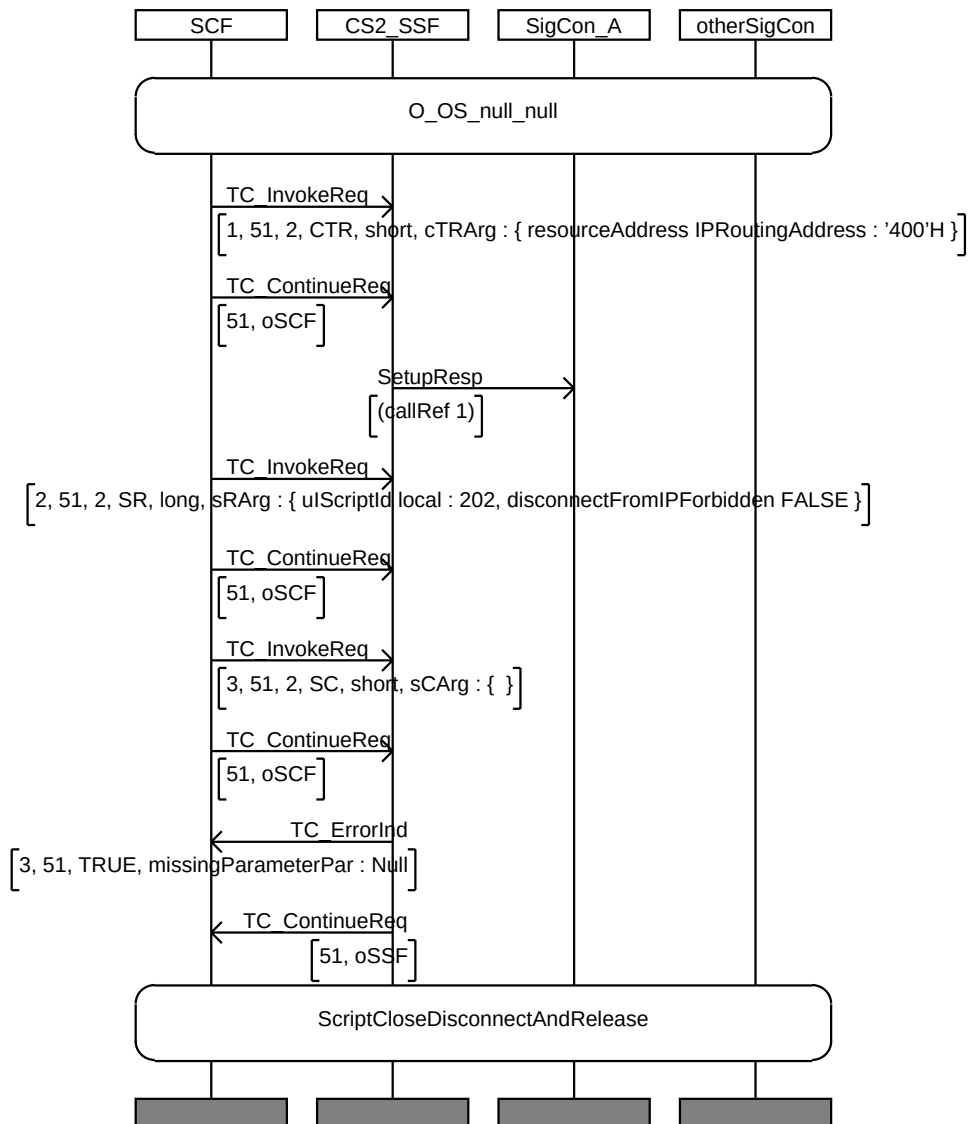
IN2_A_BASIC_SC_BO_01	
Purpose:	Test of ScriptClose procedure in wrong state
Requirement ref	
Selection Cond.	
Preamble:	O_OS_null_null
Test description	- SCF sends to IUT a ConnectToResource invoke containing mandatory parameters only with: - The SCF sends ScriptClose with parameter • uiScriptId with ID corresponding to a previously started script
Pass criteria	Check that IUT sends the taskRefused error
Postamble:	DisconnectAndRelease

MSC IN2_A_BASIC_SC_BO_01



IN2_A_BASIC_SC_BI_01	
Purpose:	Test of ScriptClose procedure without parameter
Requirement ref	
Selection Cond.	
Preamble:	O_OS_null_null
Test description	- SCF sends to IUT a ConnectToResource invoke containing mandatory parameters only with: resourceAddress being iPRoutingAddress with any valid value - SCF sends a ScriptRun with parameter uiScriptId being a valid ID which got a corresponding UI-script on the SRF - The SCF sends ScriptClose without parameter
Pass criteria	Check that IUT does send missingParameter error
Postamble:	ScriptCloseDisconnectAndRelease

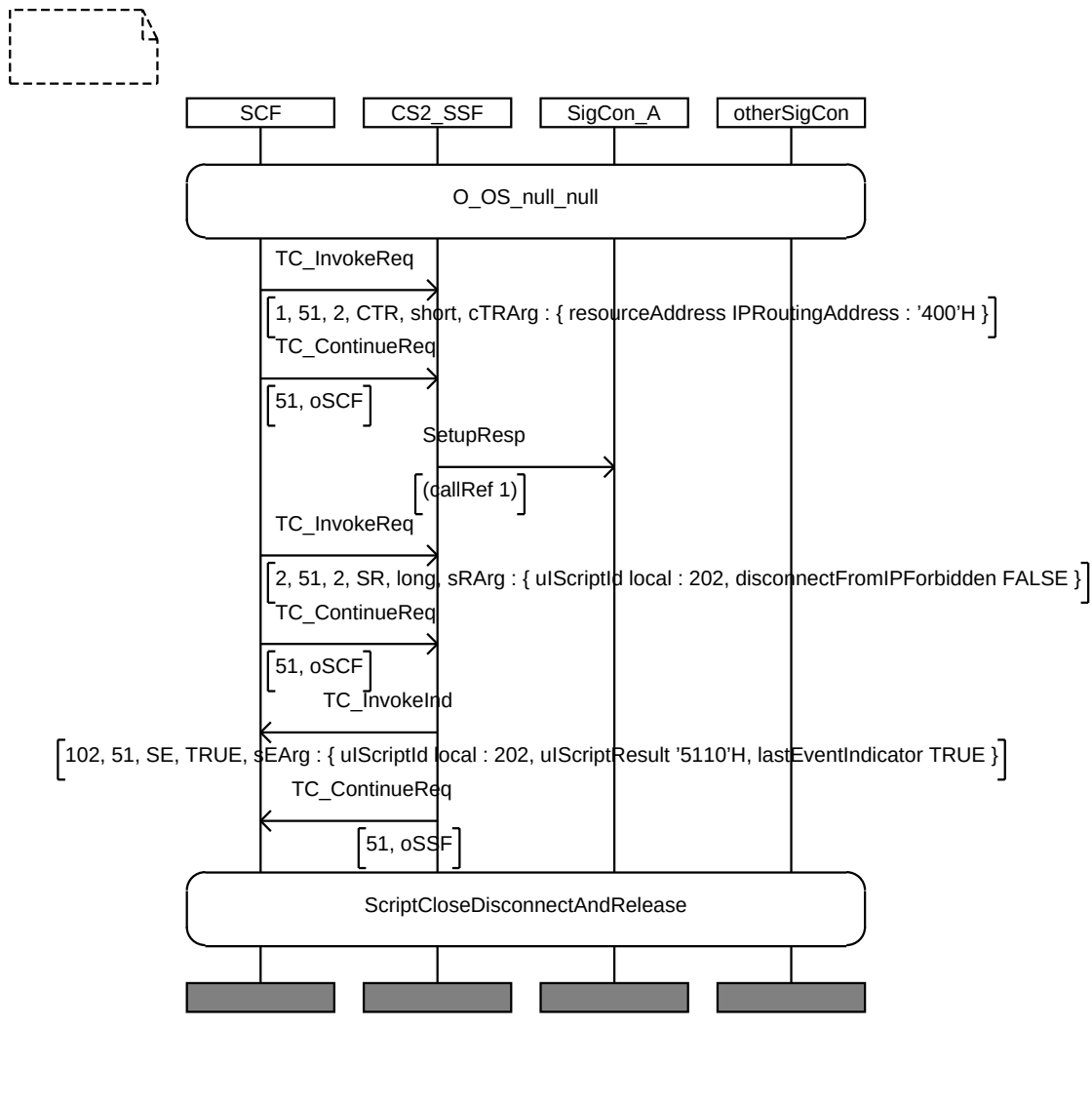
MSC IN2_A_BASIC_SC_BI_01



8.4.7 ScriptEvent

IN2_A_BASIC_SE_CA_01	
Purpose:	Test of ScriptEvent procedure (explicit termination)
Requirement ref	
Selection Cond.	
Preamble:	O_OS_null_null
Test description	- SCF sends to IUT a ConnectToResource invoke containing mandatory parameters only with: resourceAddress being iPRoutingAddress with any valid value - SCF sends a ScriptRun with parameter uiScriptId being a valid ID which got a corresponding UI-script on the SRF
Pass criteria	Check that IUT does send ScriptEvent operation with • iuScriptId the same ID which was used by ScriptRun operation • uiScriptResult being correct what the uiResult definition of that script is concerned • lastEventIndicator is set to true
Postamble:	ScriptCloseDisconnectAndRelease

MSC IN2_A_BASIC_SE_CA_01

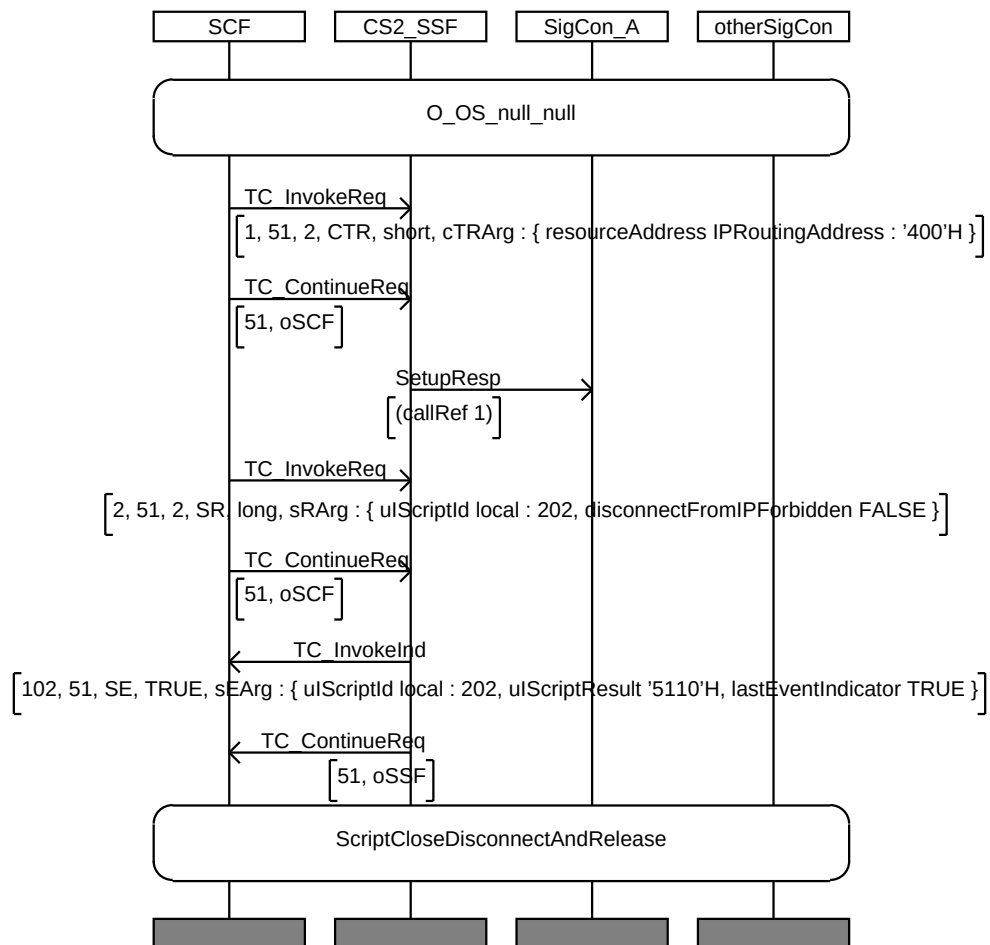


8.4.8 ScriptInformation

IN2_A_BASIC_SI_CA_01	
Purpose:	Test of ScriptInformation
Requirement ref	
Selection Cond.	
Preamble:	O_OS_null_null
Test description	- SCF sends to IUT a ConnectToResource invoke containing mandatory parameters only with: resourceAddress being iPRoutingAddress with any valid value - SCF sends a ScriptRun with parameter uiScriptId being a valid ID which got a corresponding UI-script on the SRF - SCF sends ScriptInformation with parameter • uiScriptId same ID which was used by ScriptRun operation • uiScriptSpecificInfo which fits to the uiScriptsSpecificInfo defined for that

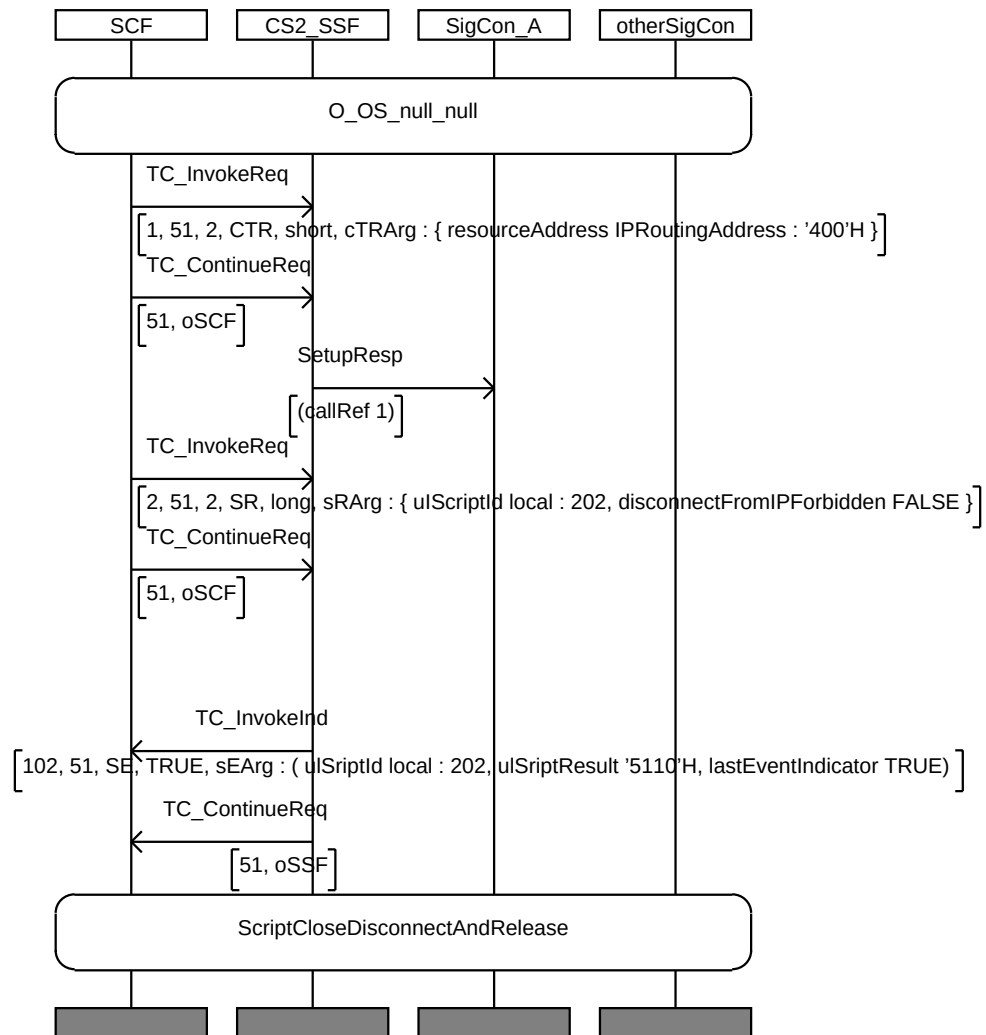
	class instance of UISCRIPT
Pass criteria	Check if the IUT does not send any error
Postamble:	ScriptCloseDisconnectAndRelease

MSC IN2_A_BASIC_SI_CA_01



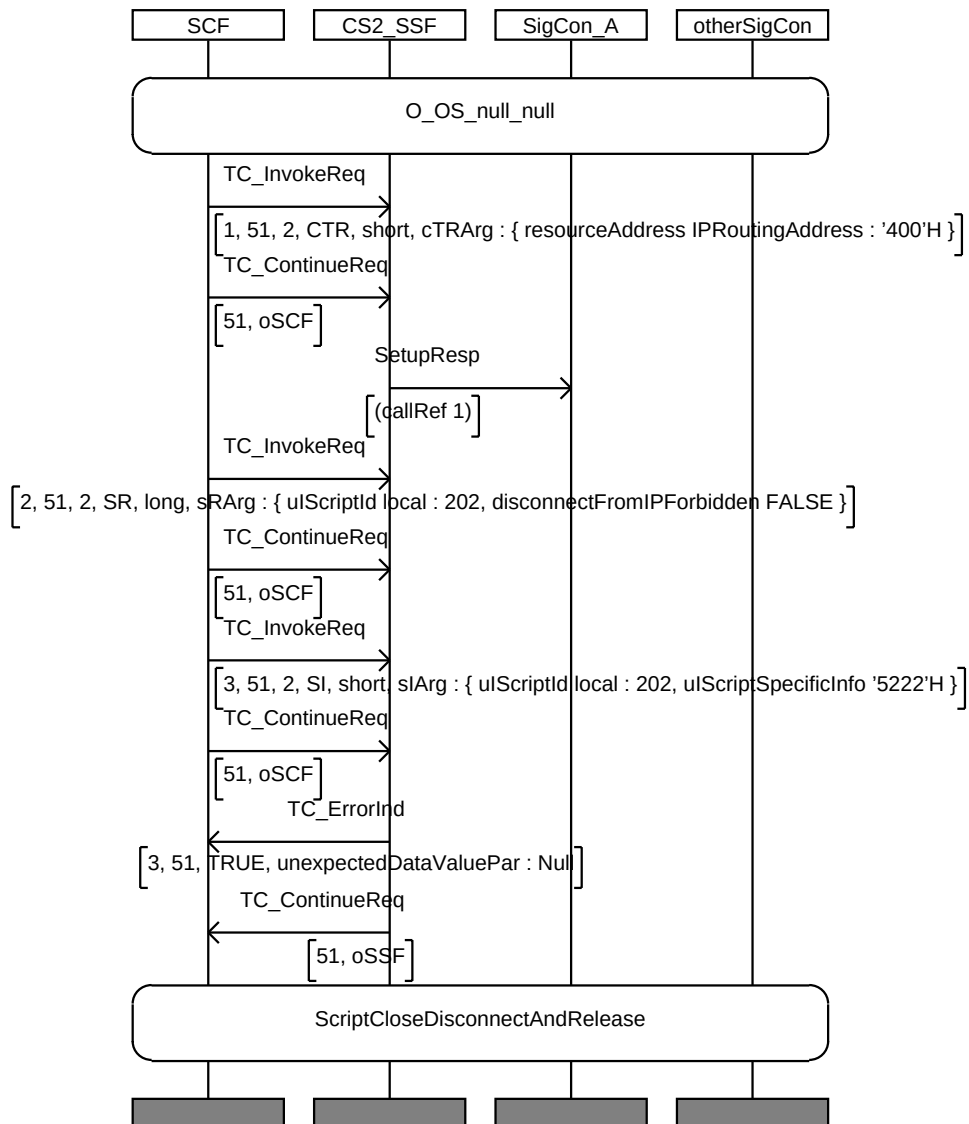
IN2_A_BASIC_SI_CA_02	
Purpose:	Test of ScriptInformation
Requirement ref	
Selection Cond.	
Preamble:	O_OS_null_null
Test description	- SCF sends to IUT a ConnectToResource invoke containing mandatory parameters only with: resourceAddress being iPRoutingAddress with any valid value - SCF sends a ScriptRun with parameter uiScriptId being a valid ID which got a corresponding UI-script on the SRF - Check that IUT does send ScriptEvent operation with • iuScriptId the same ID which was used by ScriptRun operation • uiScriptResult being correct what the uiResult definition of that script is concerned • lastEventIndicator is set to <i>false</i> - SCF sends ScriptInformation with parameter • uiScriptId same ID which was used by ScriptRun operation • uiScriptSpecificInfo which fits to the uiScriptsSpecificInfo defined for that class instance of UISCRIPT
Pass criteria	Check if the IUT does not send any error
Postamble:	ScriptCloseDisconnectAndRelease

MSC IN2_A_BASIC_SI_CA_02



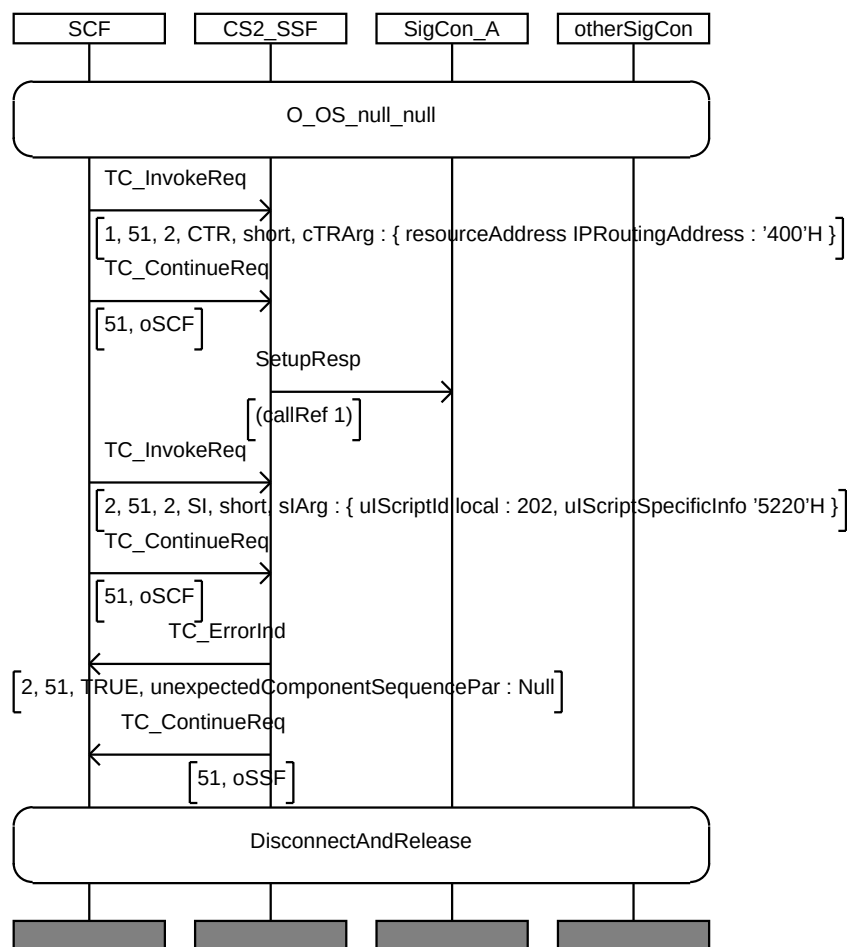
IN2_A_BASIC_SI_BI_01	
Purpose:	Test of ScriptInformation
Requirement ref	
Selection Cond.	
Preamble:	O_OS_null_null
Test description	- SCF sends to IUT a ConnectToResource invoke containing mandatory parameters only with: resourceAddress being iPRoutingAddress with any valid value - SCF sends a ScriptRun with parameter uiScriptId being a valid ID which got a corresponding UI-script on the SRF - SCF sends ScriptInformation with parameter • uiScriptId with same ID which was used by ScriptRun operation • uiScriptSpecificInfo which does not fits to the uiScriptsSpecificInfo defined for that class instance of UISCRIPT
Pass criteria	Check if the IUT does send unexpectedParameter error
Postamble:	ScriptCloseDisconnectAndRelease

MSC IN2_A_BASIC_SI_BI_01



IN2_A_BASIC_SI_BO_01	
Purpose:	Test of ScriptInformation
Requirement ref	
Selection Cond.	
Preamble:	O_OS_null_null
Test description	- SCF sends to IUT a ConnectToResource invoke containing mandatory parameters only with: resourceAddress being iPRoutingAddress with any valid value - SCF sends ScriptInformation with parameter • uiScriptId some ID • uiScriptSpecificInfo which fits to the uiScriptspecificInfo defined for that class instance of UISCRIPT
Pass criteria	Check that the IUT does send taskRefused
Postamble:	DisconnectAndRelease

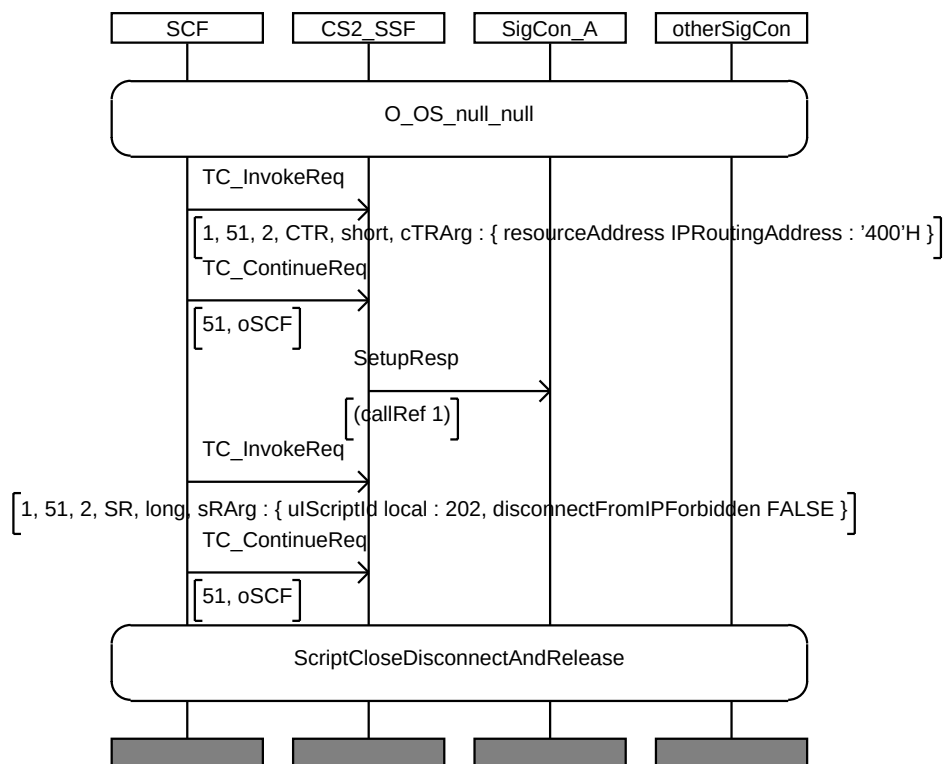
MSC IN2_A_BASIC_SI_BO_01



8.4.9 ScriptRun

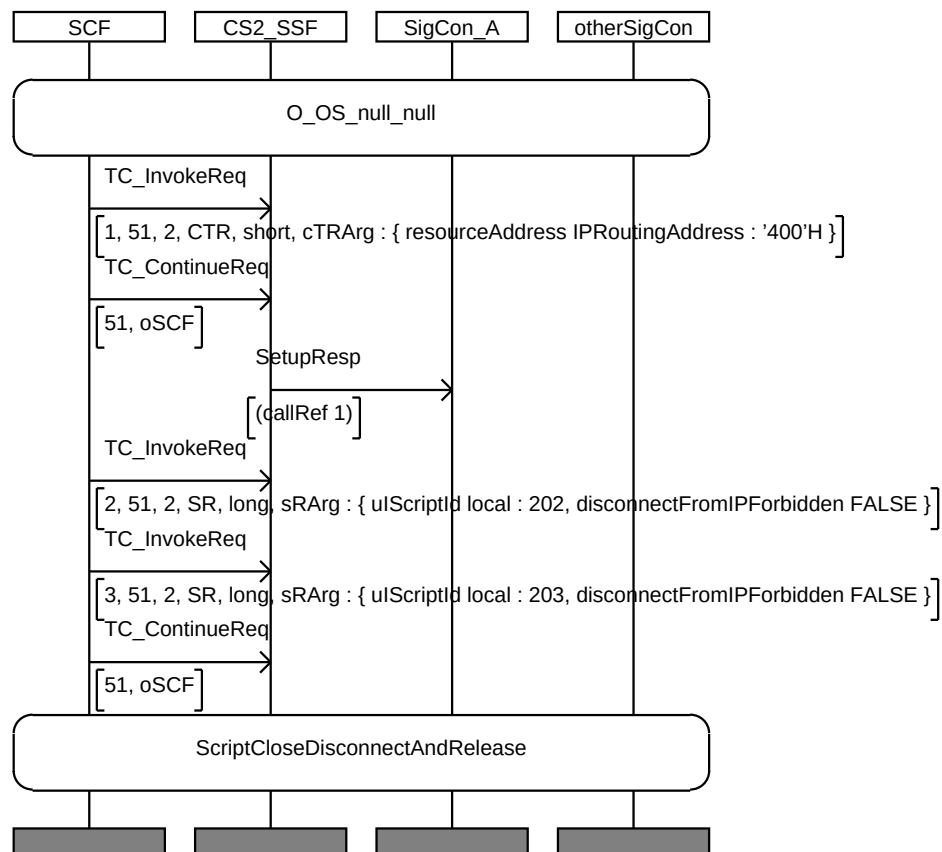
IN2_A_BASIC_SR_CA_01	
Purpose:	Test of ScriptRun
Requirement ref	
Selection Cond.	
Preamble:	O_OS_null_null
Test description	- SCF sends to IUT a ConnectToResource invoke containing mandatory parameters only with: resourceAddress being iPRoutingAddress with any valid value - SCF sends a ScriptRun with parameter uiScriptId being a valid ID which got a corresponding UI-script on the SRF
Pass criteria	Check that the IUT does not send any error
Postamble:	ScriptCloseDisconnectAndRelease

MSC IN2_A_BASIC_SR_CA_01



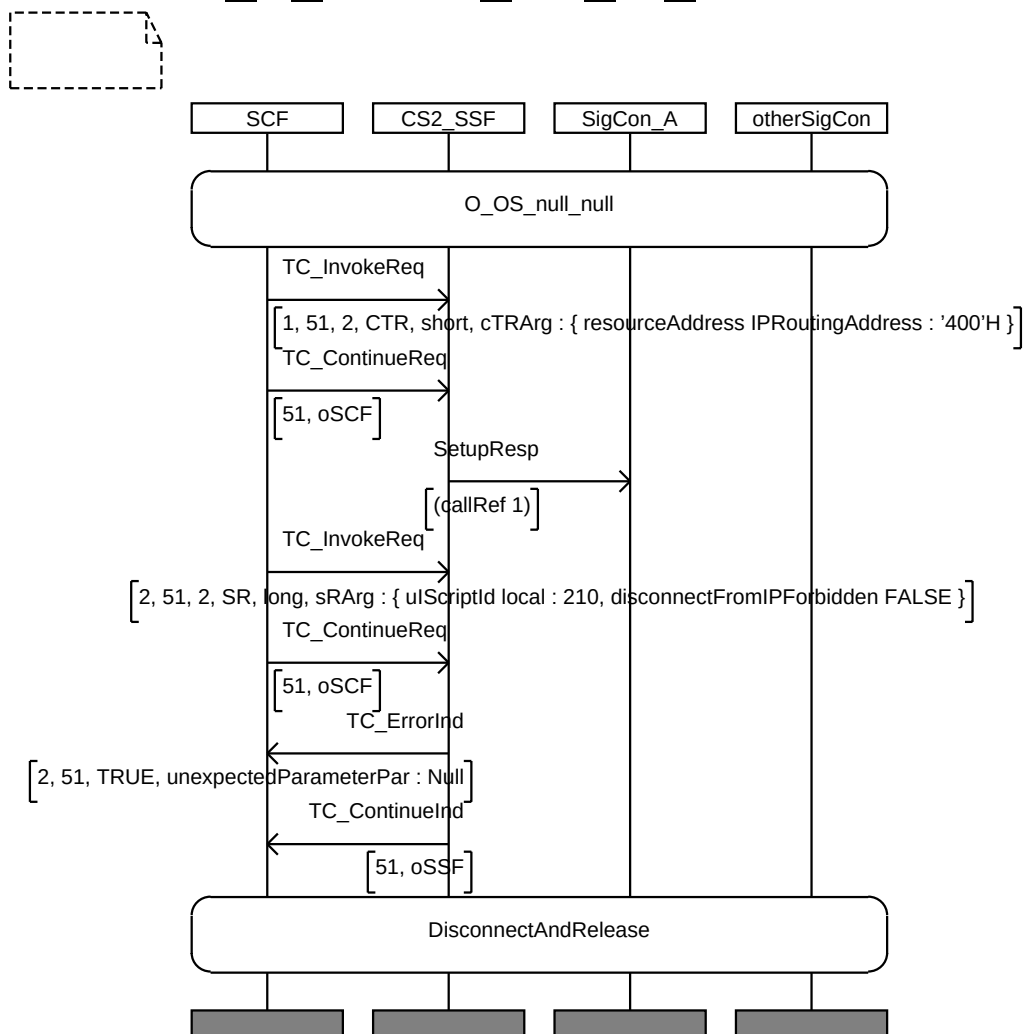
IN2_A_BASIC_SR_CA_02	
Purpose:	Test of ScriptRun
Requirement ref	
Selection Cond.	
Preamble:	O_OS_null_null
Test description	- SCF sends to IUT a ConnectToResource invoke containing mandatory parameters only with: resourceAddress being iPRoutingAddress with any valid value - SCF sends a ScriptRun with parameter uiScriptId being a valid ID which got a corresponding UI-script on the SRF SCF sends a ScriptRun with parameter uiScriptId being a valid ID which got a corresponding UI-script on the SRF
Pass criteria	Check if the IUT does not send any error
Postamble:	ScriptCloseDisconnectAndRelease

MSC IN2_A_BASIC_SR_CA_02



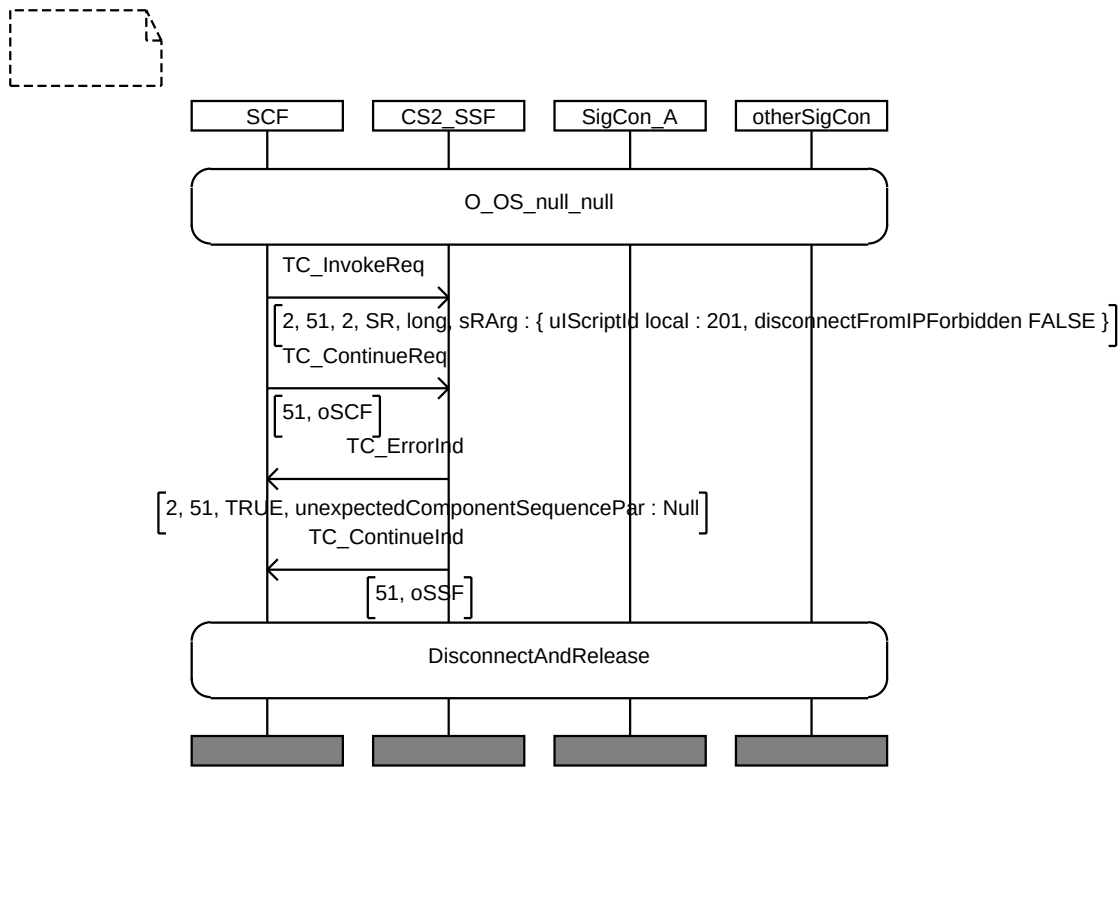
IN2_A_BASIC_SR_BI_01	
Purpose:	Test of ScriptRun
Requirement ref	
Selection Cond.	
Preamble:	O_OS_null_null
Test description	- SCF sends to IUT a ConnectToResource invoke containing mandatory parameters only with: resourceAddress being iPRoutingAddress with any valid value - SCF sends a ScriptRun with parameter uiScriptId being a NOT valid ID which got a corresponding UI-script on the SRF
Pass criteria	Check if the IUT does send the unexpectedParameter error
Postamble:	DisconnectAndRelease

MSC IN2_A_BASIC_SR_BI_01



IN2_A_BASIC_SR_BO_01	
Purpose:	Test of ScriptRun
Requirement ref	
Selection Cond.	
Preamble:	O_OS_null_null
Test description	- SCF sends a ScriptRun with parameter uiScriptId being a valid ID which got a corresponding UI-script on the SRF
Pass criteria	Check if the IUT does send unexpectedComponentSequence error
Postamble:	DisconnectAndRelease

MSC IN2_A_BASIC_SR_BO_01



8.5 Configuration where initiating SSF is the IUT

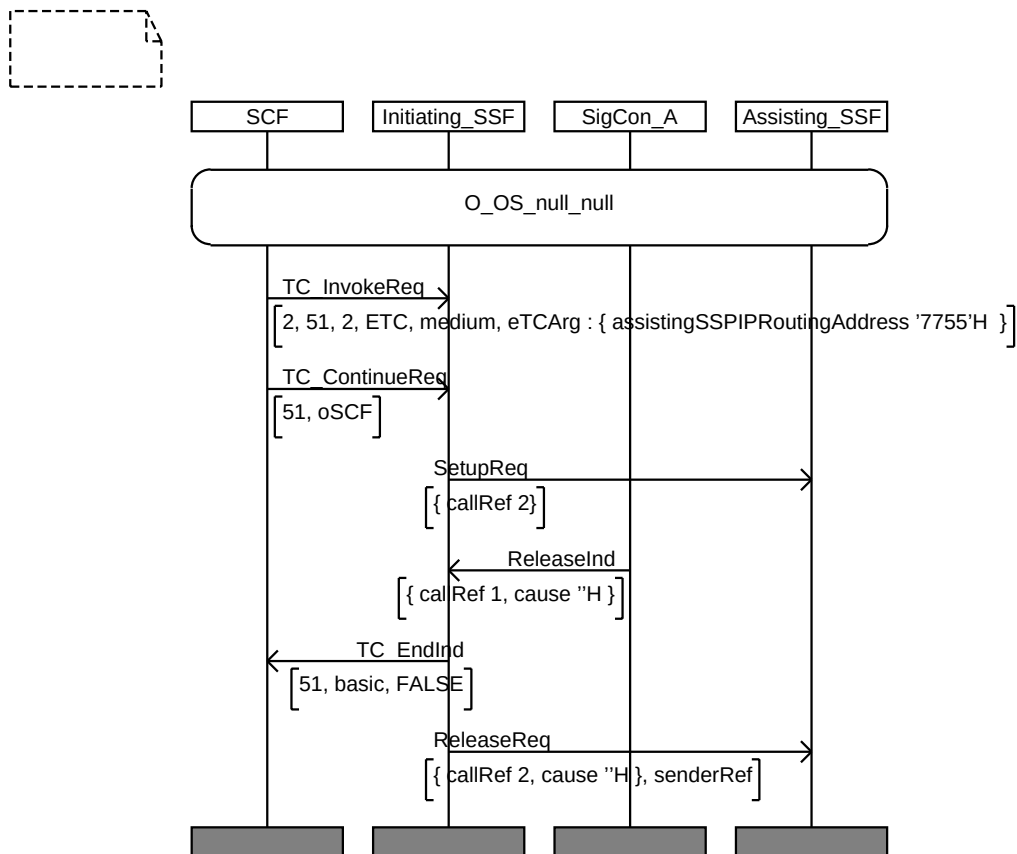
For these TPs, the implementation under test (IUT) is an initiating SSF. The main tester is the SCF. SigconA and SigconB which represents the assisting SSF with an integrated SRF are parallel testers. Refer to functional configuration 3.3 defined in Annex A.

The MSCs have the following representation: SCF, initiating SSF, SigconA and SigconB for assisting SSF.

8.5.1 EstablishTemporaryConnection (EC) procedure

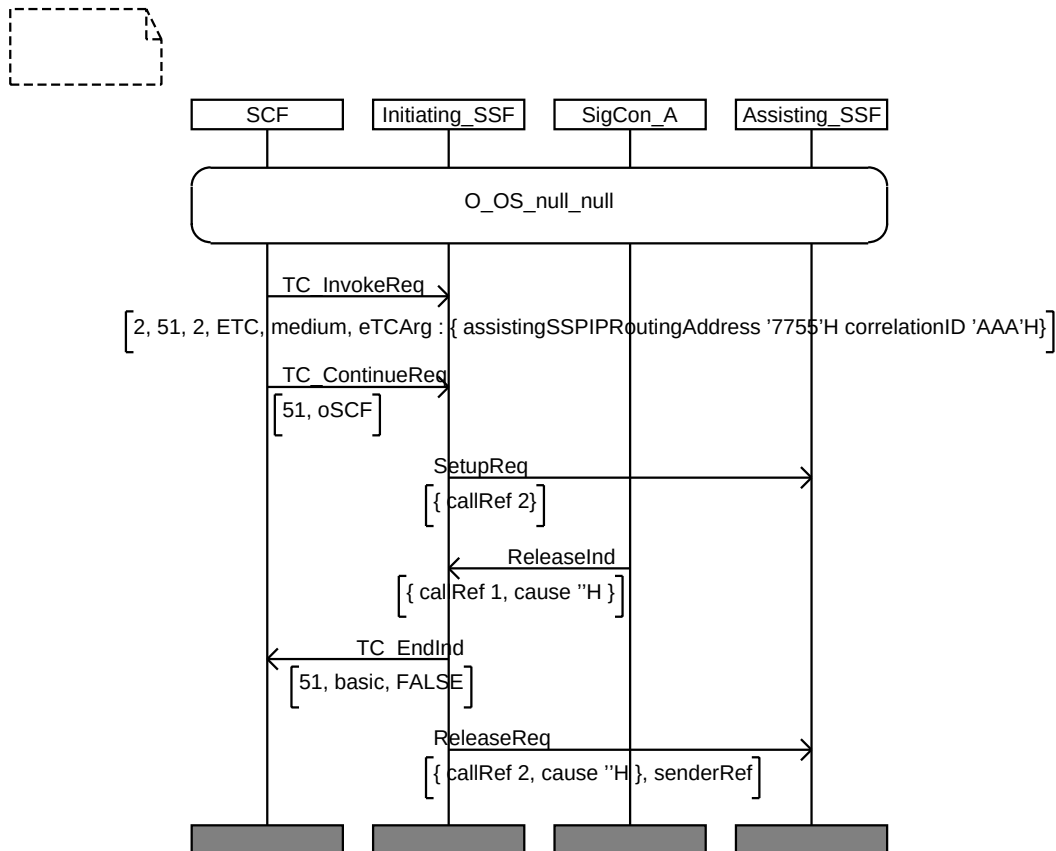
IN2_A_BASIC_EC_CA_01	
Purpose:	Test of EstablishTemporaryConnection procedure
Requirement ref	
Selection Cond.	
Preamble:	O_OS_null_null
Test description	SCF sends to IUT an EstablishTemporaryConnection invoke with parameter - assistingSSIPRoutingAddress being any valid value
Pass criteria	- Check that IUT establishes a connection to the assisting SSF (SetupReq/SetupConf)
Postamble:	none - A party releases, then B

MSC IN2_A_BASIC_EC_CA_01



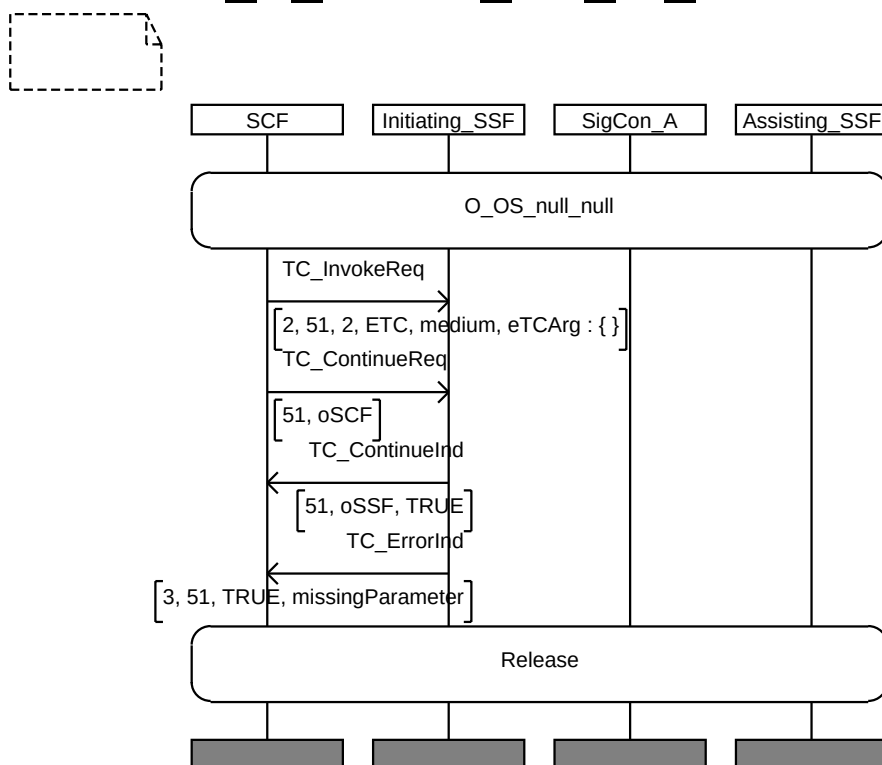
IN2_A_BASIC_EC_BV_01	
Purpose:	Test of EstablishTemporaryConnection procedure
Requirement ref	
Selection Cond.	
Preamble:	O_OS_null_null
Test description	SCF sends to IUT an EstablishTemporaryConnection invoke with parameter - assistingSSIPRoutingAddress being any valid value - correlationID being any valid value
Pass criteria	- Check that IUT establishes a connection to the assisting SSF (SetupReq/SetupConf)
Postamble:	none - A party releases, then B

MSC IN2_A_BASIC_EC_BV_01



IN2_A_BASIC_EC_BI_01	
Purpose:	Test of EstablishTemporaryConnection procedure with missing parameter
Requirement ref	
Selection Cond.	
Preamble:	O_OS_null_null
Test description	SCF sends to IUT an EstablishTemporaryConnection invoke without mandatory assistingSSIPRoutingAddress parameter
Pass criteria	- Check that IUT sends back EstablishTemporaryConnection error with missing parameter
Postamble:	Release

MSC IN2_A_BASIC_EC_BI_01



8.6 Configuration where assisting SSF is the IUT

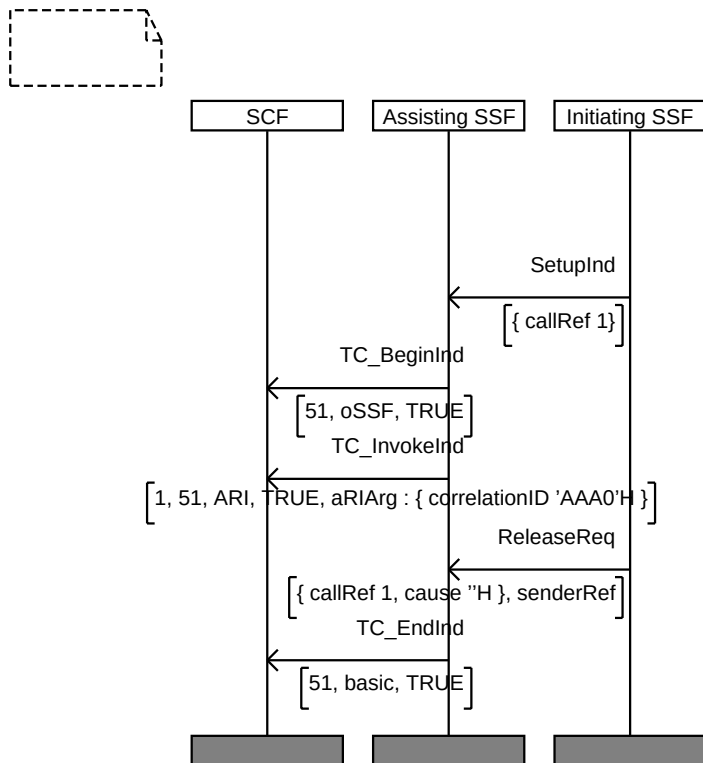
For these TP, the implementation under test (IUT) is an assisting SSF with an integrated SRF. The main tester is the SCF. SigconA represents the initiating SSF. Refer to functional configuration 3.4 defined in Annex A.

The MSCs have the following representation: SCF, assisting SSF, SigconA for initiating SSF.

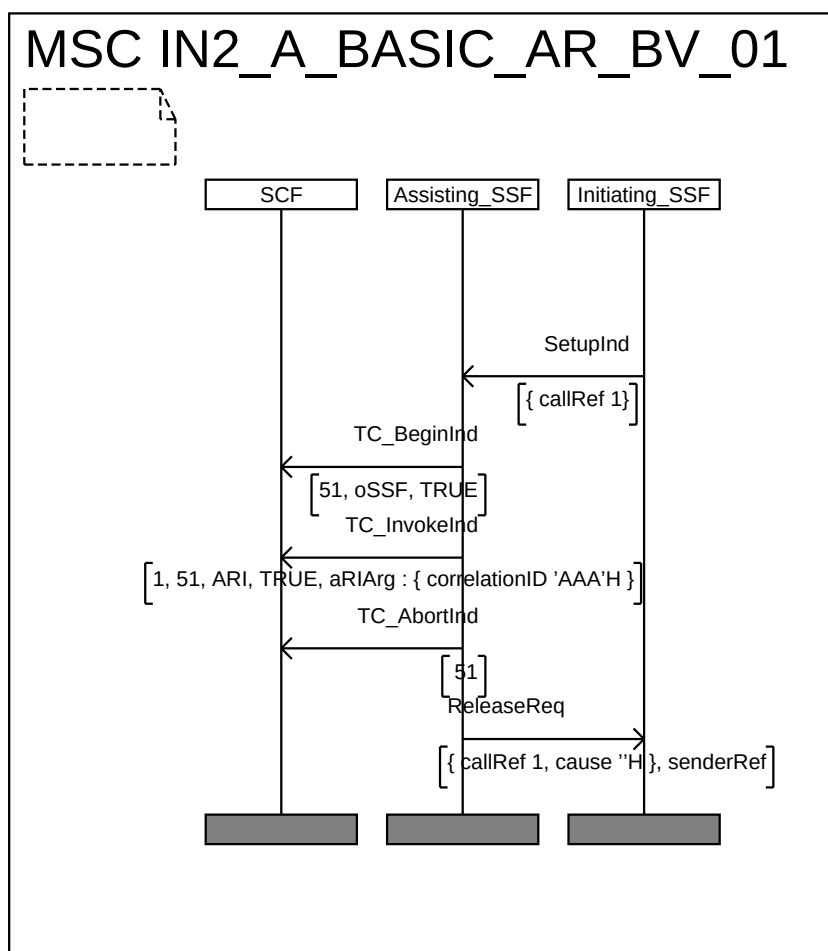
8.6.1 AssistRequestInstructions procedure

IN2_A_BASIC_AR_CA_01	
Purpose:	Test of AssistRequestInstructions procedure
Requirement ref	
Selection Cond.	
Preamble:	none
Test description	A sends to IUT an assist indication
Pass criteria	- Check that IUT sends to SCF an AssistRequestInstructions invoke containing parameter -correlationID
Postamble:	none - initiating SSF sends a release to the assisting SSF

MSC IN2_A_BASIC_AR_CA_01



IN2_A_BASIC_AR_BV_01	
Purpose:	Test of AssistRequestInstructions procedure with SSF timeout
Requirement ref	
Selection Cond.	
Preamble:	none
Test description	- A sends to IUT an assist indication - IUT sends to SCF an AssistRequestInstructions invoke containing parameter - correlationID
Pass criteria	- Check that after Tssf expiration, IUT aborts the dialogue and releases A
Postamble:	none



Annex A (normative):

Parameter values used in MSCs for CORE INAP CS2 - SRF primitives

Table A.1 is an abstract from the PIXIT for CORE INAP CS2, 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	"xxx"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
	PIX_RouteSelectFailure2Cause	Cause	"xx"H	0C
	PIX_ScflD	ScflD	"xxxx"H	8881

Item	Parameter	Parameter type	Explanation/Format	Value
	PIX_ServiceInteractionIndicators	ServiceInteractionIndicator s	"xx"H	22
	PIX_ServiceKey1	ServiceKey	"xx"H	27
	PIX_ServiceKey2	ServiceKey	"xx"H	28
	PIX_SFBillingChargingCharacteristics	SFBillingChargingCharact eristics	"xxxx"H	BBBB
	PIX_StartTime	DateAndTime	YYMMDDHHMMSS	971128113015
	PIX_StopTime	DateAndTime	YYMMDDHHMMSS	971212113015
	PIX_ElementaryMessageID	integer	xxx	191
	PIX_CorrelationId	correlationID	"xx"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

Document history			
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V1.1.3	February 2000	Vote	V 200017: 2000-02-28 to 2000-04-28