

**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 (ak0rridc.PDF)

---

Keywords

IN, CS2, INAP, TSS&TP

**ETSI**

---

Postal address

F-06921 Sophia Antipolis Cedex - FRANCE

---

Office address

650 Route des Lucioles - Sophia Antipolis  
Valbonne - FRANCE  
Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16  
Siret N° 348 623 562 00017 - NAF 742 C  
Association à but non lucratif enregistrée à la  
Sous-Préfecture de Grasse (06) N° 7803/88

---

Internet

[secretariat@etsi.fr](mailto:secretariat@etsi.fr)  
Individual copies of this ETSI deliverable  
can be downloaded from  
<http://www.etsi.org>  
If you find errors in the present document, send your  
comment to: [editor@etsi.fr](mailto:editor@etsi.fr)

---

**Copyright Notification**

No part may be reproduced except as authorized by written permission.  
The copyright and the foregoing restriction extend to reproduction in all media.

© European Telecommunications Standards Institute 1999.  
All rights reserved.

# Contents

Intellectual Property Rights.....	4
Foreword .....	4
1 Scope.....	5
2 References.....	5
3 Definitions and abbreviations .....	5
3.1 Definitions .....	5
3.2 Abbreviations.....	5
4 Void.....	6
5 Void.....	6
6 Void.....	6
7 Void.....	6
8 TP for SRF functions .....	6
8.1 Introduction.....	6
8.2 Preamble used for SRF testing.....	7
8.3 Postambles used for SRF testing.....	7
8.3.1 Release .....	7
8.3.2 DisconnectAndRelease.....	8
8.3.3 ScriptCloseDisconnectAndRelease .....	9
8.4 Configuration where SSF is the IUT.....	9
8.4.1 ConnectToResource (CR) procedure .....	10
8.4.2 DisconnectForwardConnection .....	13
8.4.2.1 DisconnectForwardConnection (DF) procedure.....	13
8.4.2.2 DisconnectForwardConnectionWithArgument (DFW) procedure .....	16
8.4.3 Play Announcement (PA) procedure.....	19
8.4.4 PromptAndCollectUserInformation (PC) procedure.....	24
8.4.5 PromptAndReceiveMessage (PR) procedure .....	29
8.4.6 ScriptClose .....	34
8.4.7 ScriptEvent.....	39
8.4.8 ScriptInformation .....	41
8.4.9 ScriptRun .....	49
8.5 Configuration where initiating SSF is the IUT.....	52
8.5.1 EstablishTemporaryConnection (EC) procedure.....	53
8.6 Configuration where assisting SSF is the IUT .....	55
8.6.1 AssistRequestInstructions procedure.....	56
<b>Annex A (normative): Parameter values used in MSCs for CORE INAP CS2 - SRF primitives.....</b>	<b>58</b>
History .....	61

---

## Intellectual Property Rights

IPRs essential or potentially essential to the present document may have been declared to ETSI. The information pertaining to these essential IPRs, if any, is publicly available for **ETSI members and non-members**, and can be found in SR 000 314: "*Intellectual Property Rights (IPRs); Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards*", which is available **free of charge** from the ETSI Secretariat. Latest updates are available on the ETSI Web server (<http://www.etsi.org/ipr>).

Pursuant to the ETSI IPR Policy, no investigation, including IPR searches, has been carried out by ETSI. No guarantee can be given as to the existence of other IPRs not referenced in SR 000 314 (or the updates on the ETSI Web server) which are, or may be, or may become, essential to the present document.

---

## 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 Public Enquiry 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]".

<b>Proposed national transposition dates</b>	
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 and EN 301 140-3-2.

---

## 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] 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] 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 the functional CS2 interface; 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 apply.

### 3.2 Abbreviations

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

CPH	Call Party Handling
CS	Capability Set
CS	Call Segment
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

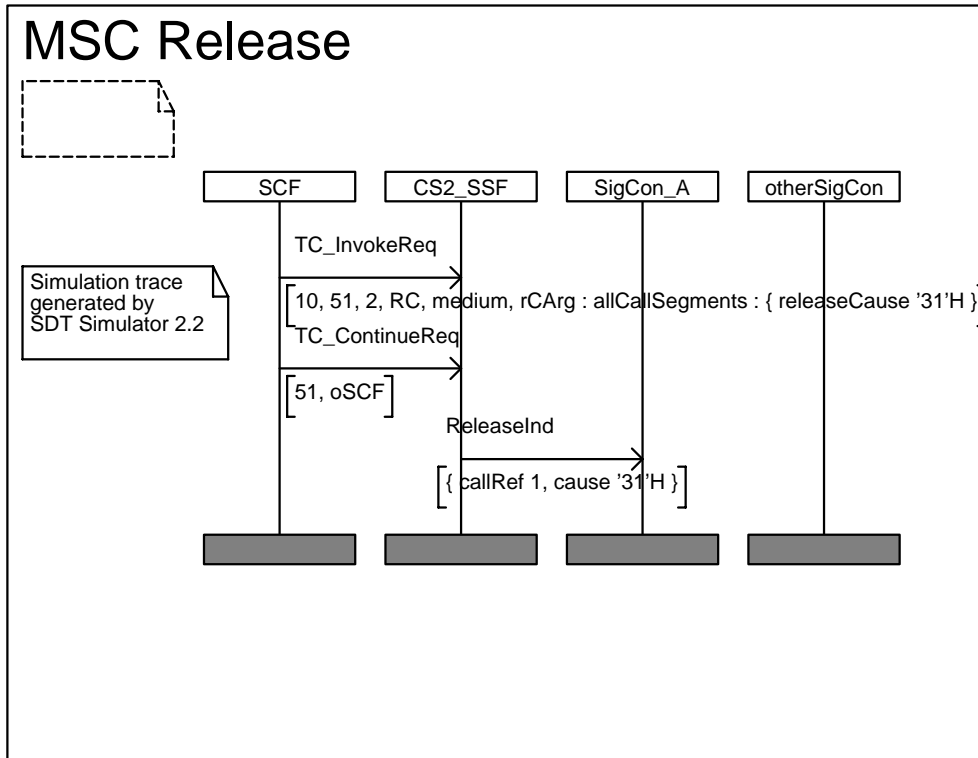
Testing SRF requires several different configurations. These configurations are described in annex A of EN 301 140-3-1 [1].

## 8.2 Preamble used for SRF testing

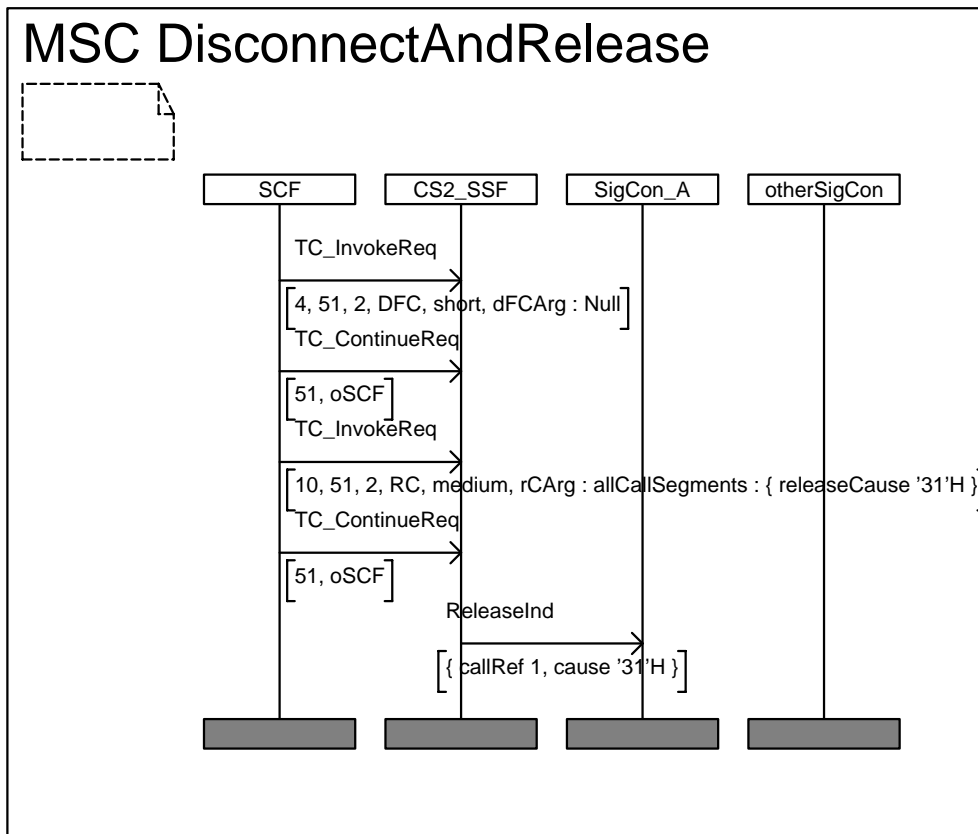
SRF testing uses the preamble named O\_OS\_null\_null defined for CPH testing (see EN 301 140-3-2 [2]).

## 8.3 Postambles used for SRF testing

### 8.3.1 Release

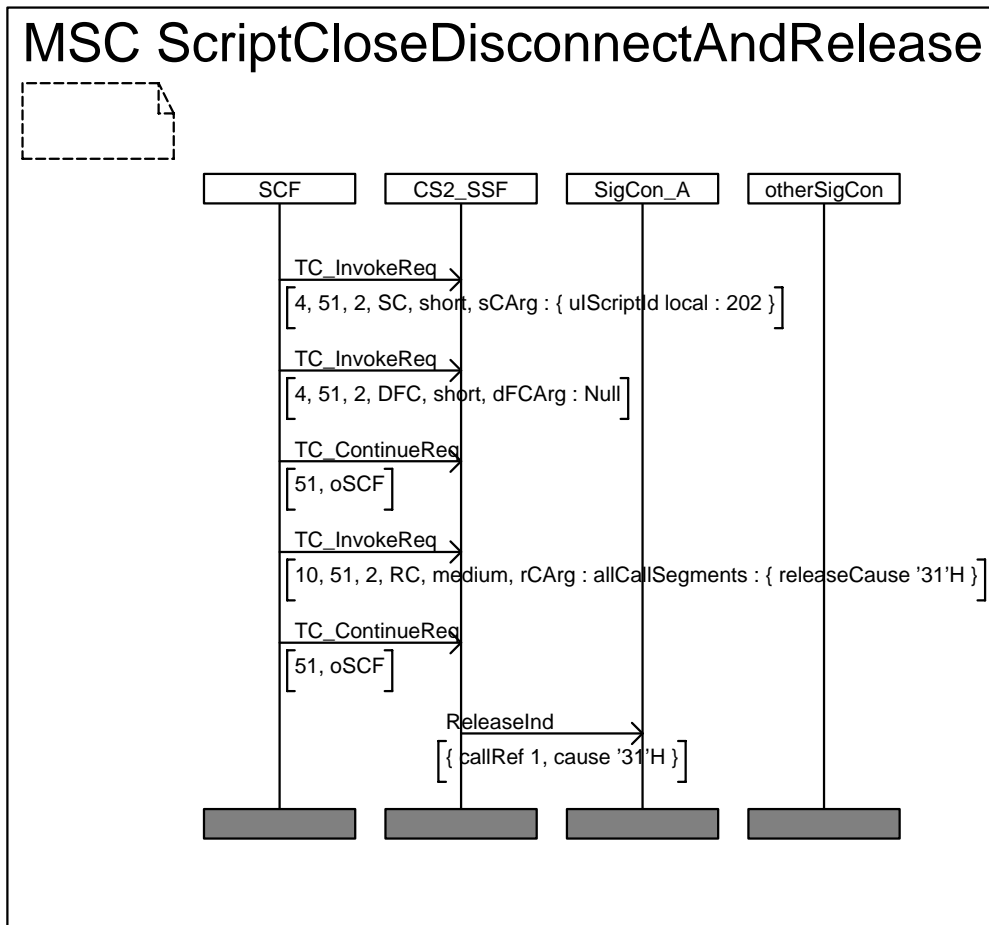


## 8.3.2 DisconnectAndRelease





### 8.3.3 ScriptCloseDisconnectAndRelease



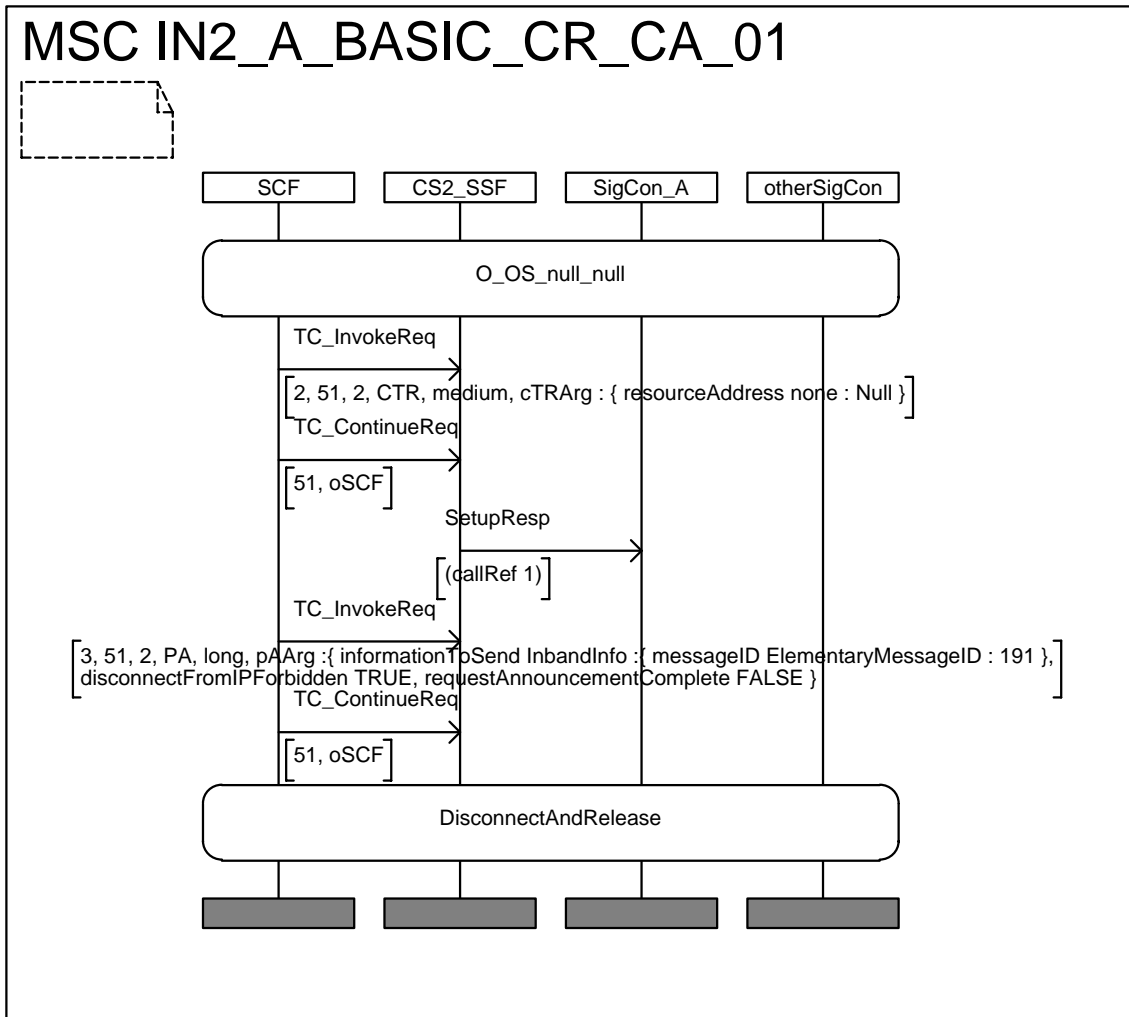
## 8.4 Configuration where SSF is the IUT

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.

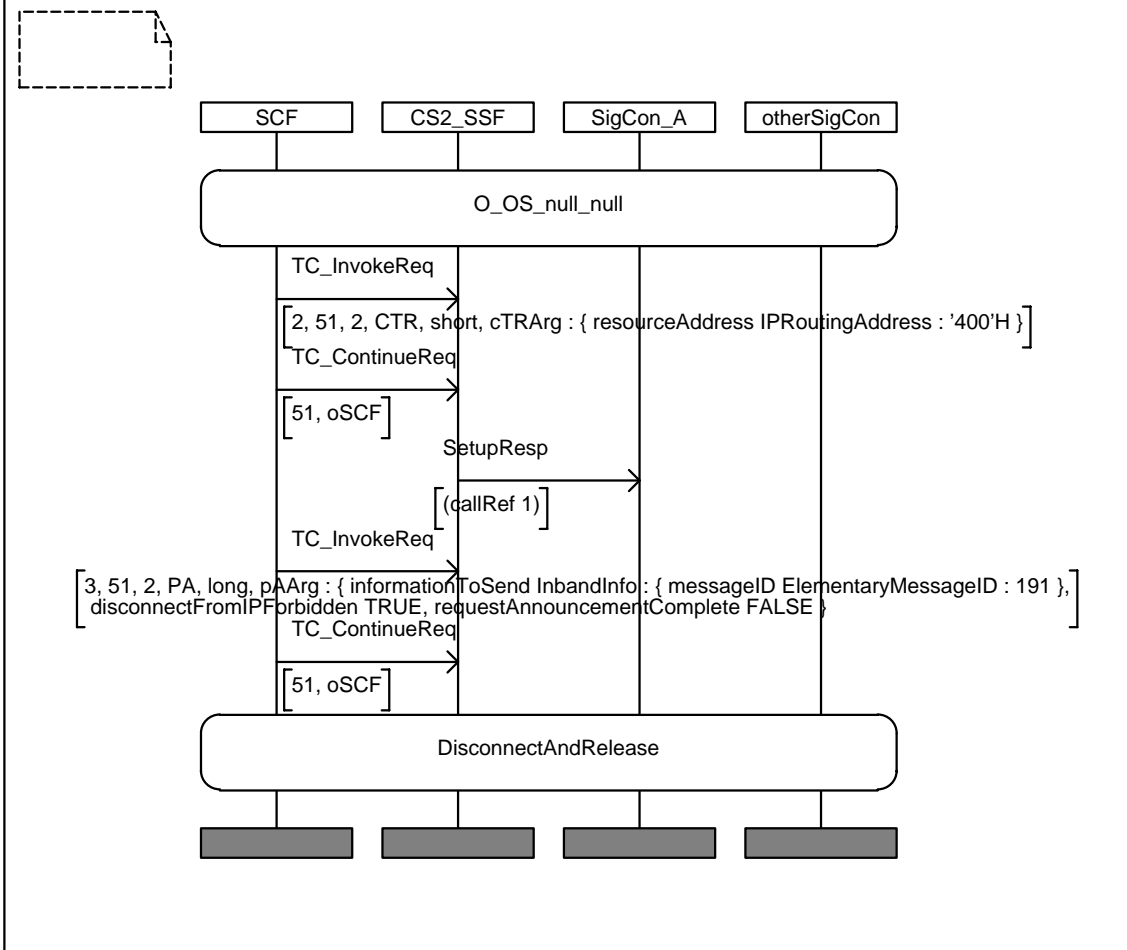
### 8.4.1 ConnectToResource (CR) procedure

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



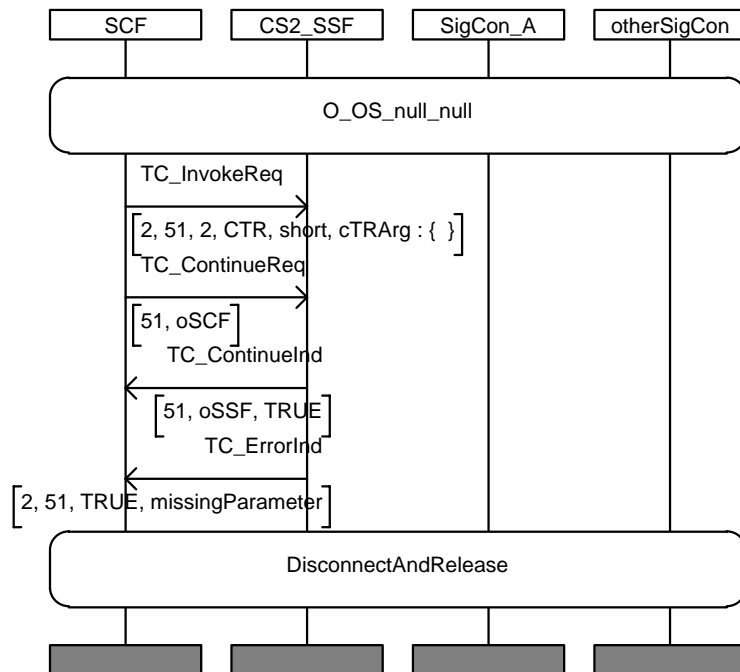
IN2_A_BASIC_CR_CA_02	
<b>Purpose:</b>	Test of <b>ConnectToResource</b> procedure
<b>Requirement ref</b>	
<b>Selection Cond.</b>	
<b>Preamble:</b>	O_OS_null_null
<b>Test description</b>	SCF sends to IUT a <b>ConnectToResource</b> invoke containing mandatory parameters only with: - resourceAddress being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

## MSC IN2\_A\_BASIC\_CR\_CA\_02



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

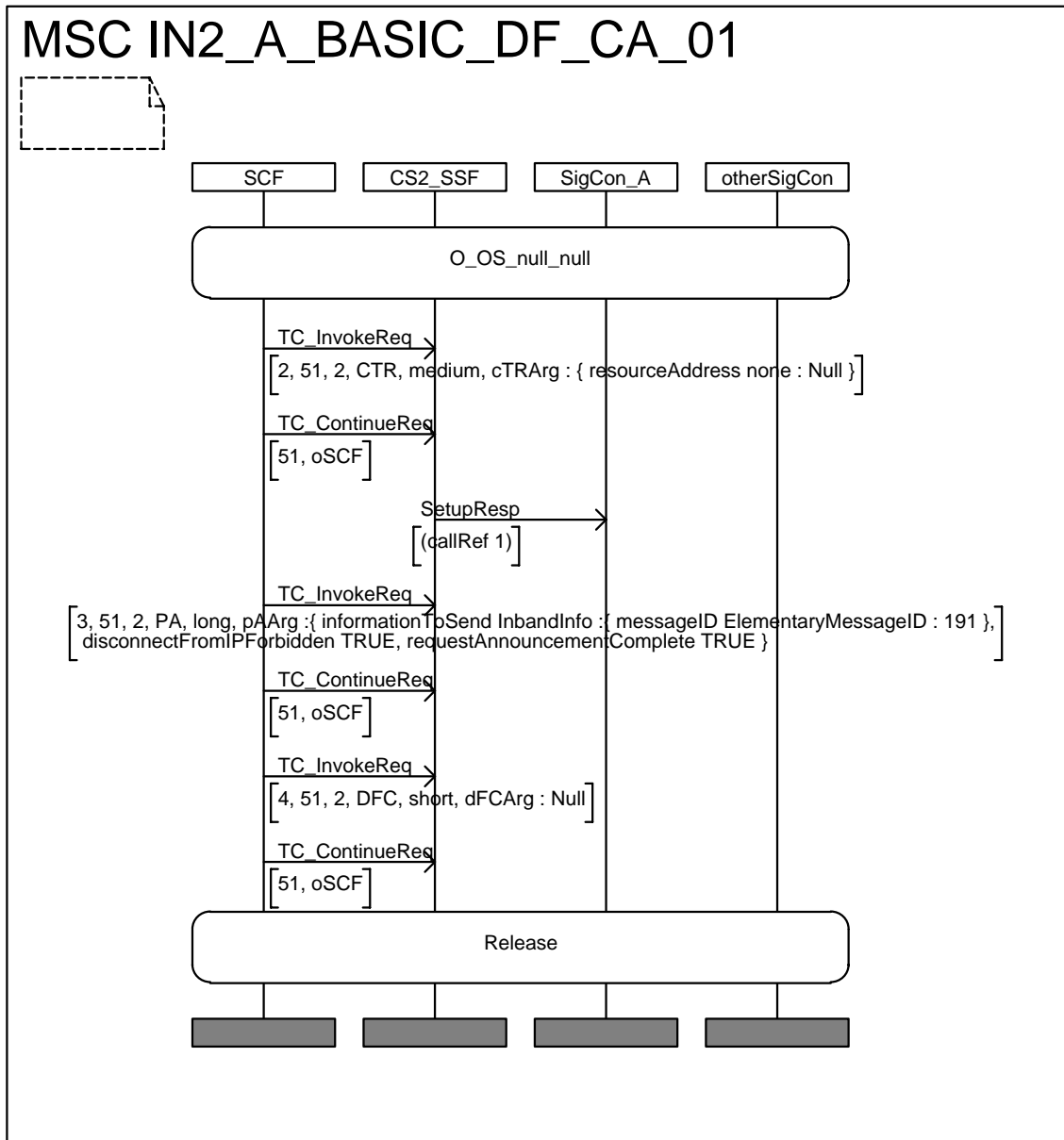
## MSC IN2\_A\_BASIC\_CR\_BI\_01



## 8.4.2 DisconnectForwardConnection

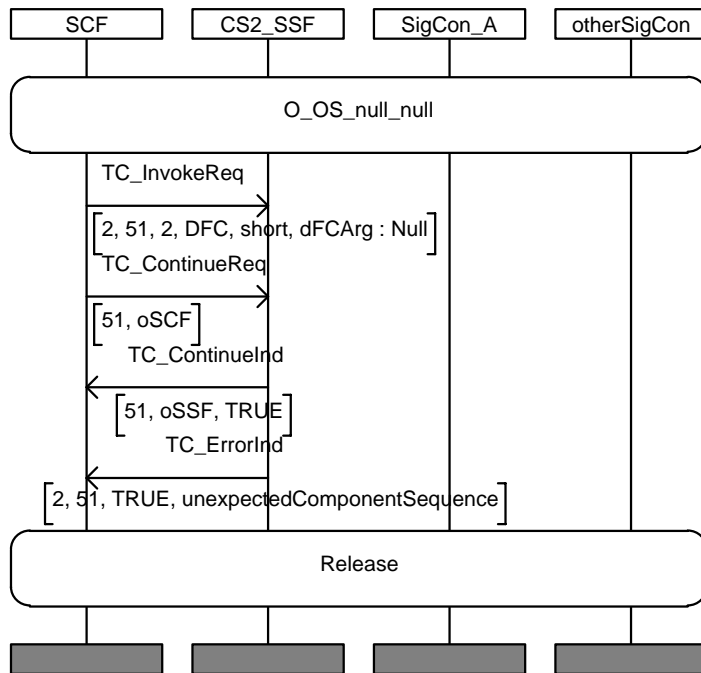
## 8.4.2.1 DisconnectForwardConnection (DF) procedure

IN2_A_BASIC_DF_CA_01	
<b>Purpose:</b>	Test of <b>DisconnectForwardConnection</b> procedure
<b>Requirement ref</b>	
<b>Selection Cond.</b>	
<b>Preamble:</b>	O_OS_null_null
<b>Test description</b>	<p>- SCF sends to IUT a <b>ConnectToResource</b> invoke containing mandatory parameters only with:</p> <ul style="list-style-type: none"> <li>• resourceAddress being none</li> </ul> <p>-SCF sends to IUT an <b>PlayAnnouncement</b> invoke containing parameter</p> <ul style="list-style-type: none"> <li>• informationToSend any valid value</li> <li>• disconnectFromIPForbidden set to TRUE</li> <li>• requestAnnouncementComplete set to TRUE</li> </ul> <p>SCF sends to IUT a <b>DisconnectForwardConnection</b> invoke</p>
<b>Pass criteria</b>	- Check that IUT accepts the operation
<b>Postamble:</b>	Release



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

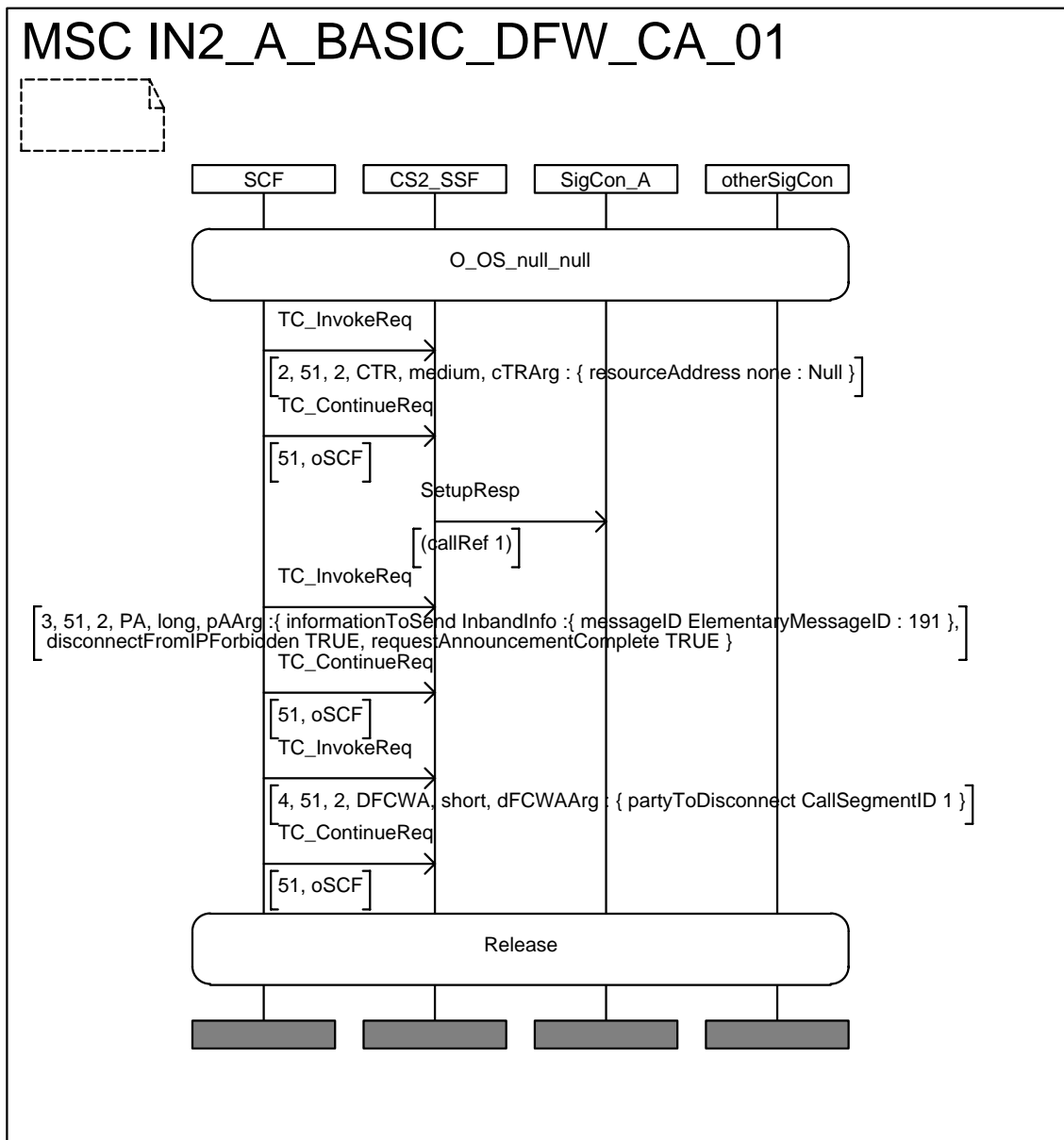
# MSC IN2\_A\_BASIC\_DF\_BO\_01



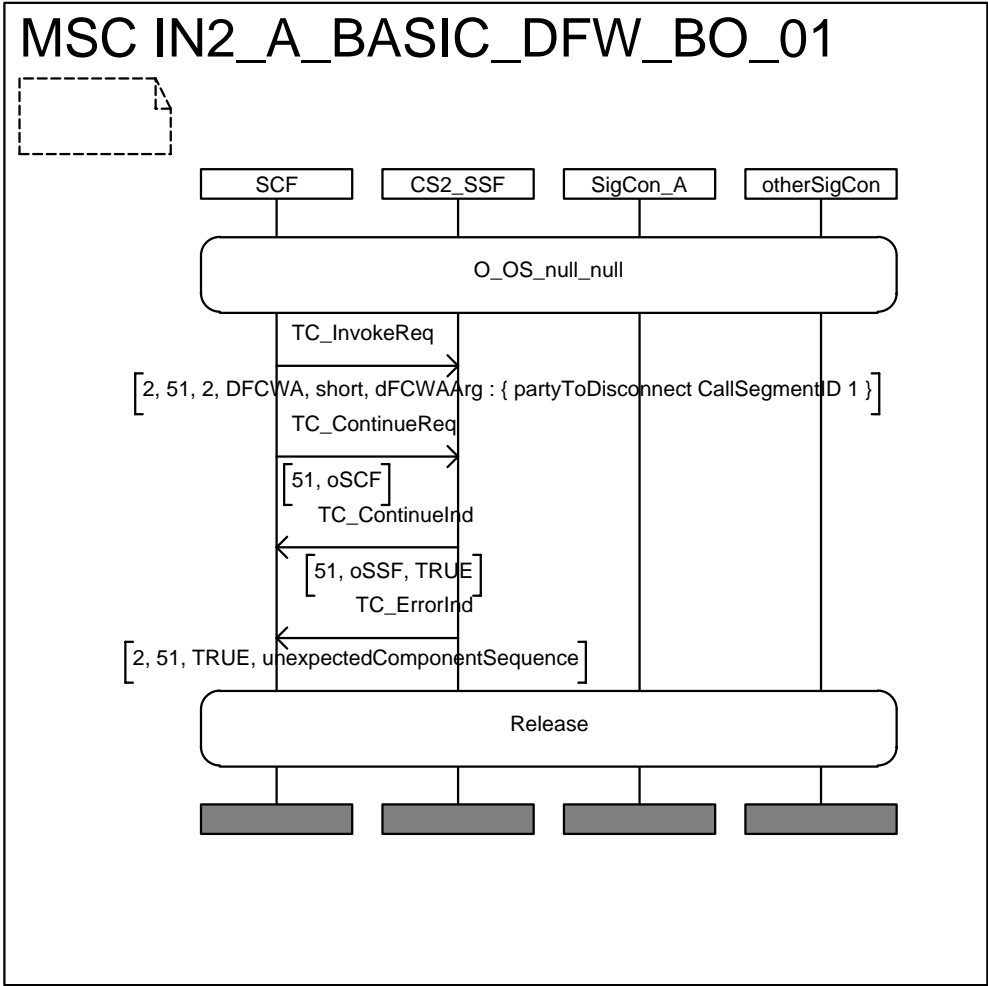
## 8.4.2.2 DisconnectForwardConnectionWithArgument (DFW) procedure

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



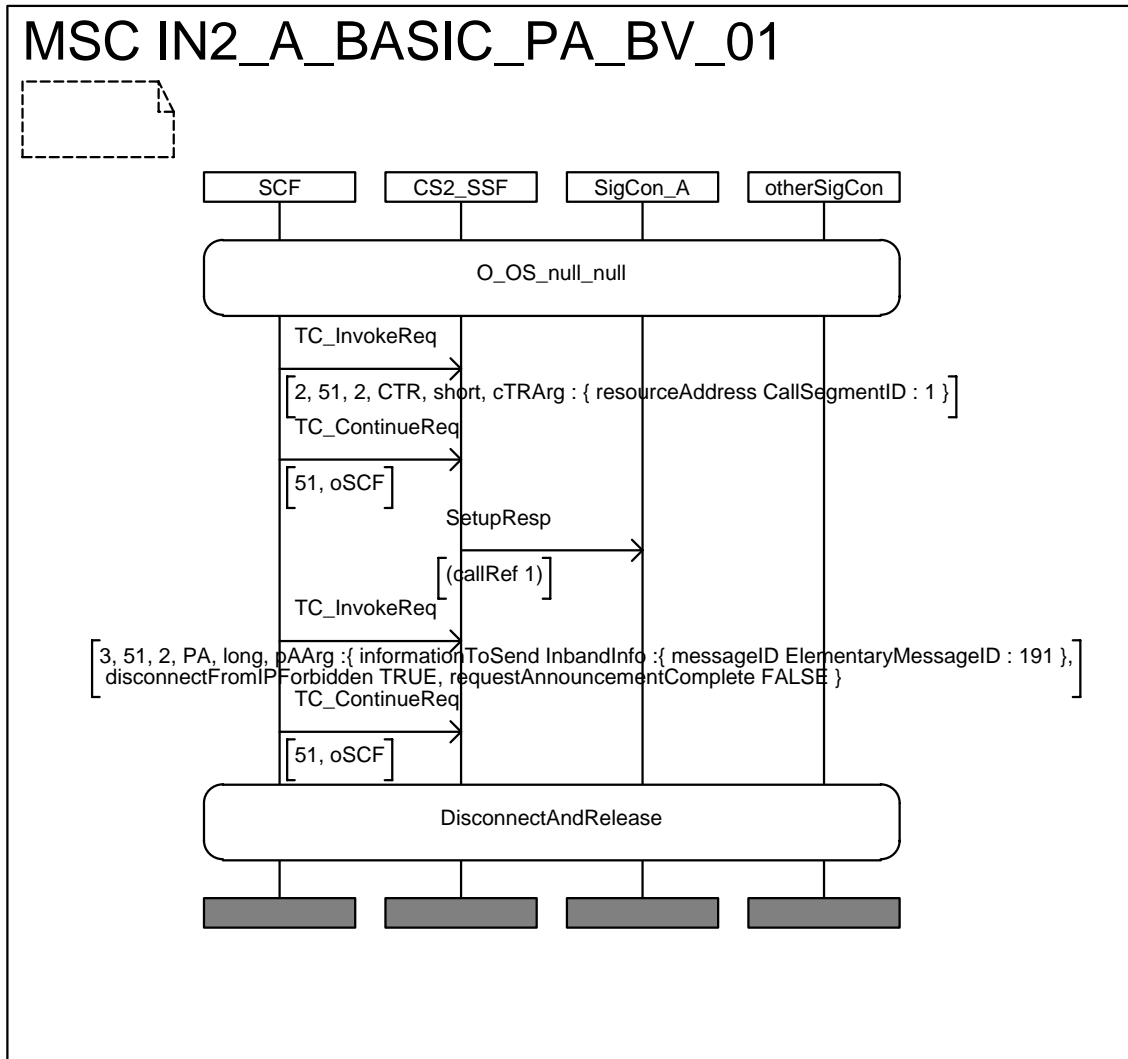


IN2_A_BASIC_DFW_BO_01	
<b>Purpose:</b>	Test of <b>DisconnectForwardConnectionWithArgument</b> procedure in wrong state
<b>Requirement ref</b>	
<b>Selection Cond.</b>	
<b>Preamble:</b>	O_OS_null_null
<b>Test description</b>	SCF sends to IUT a <b>DisconnectForwardConnectionWithArgument</b> invoke
<b>Pass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



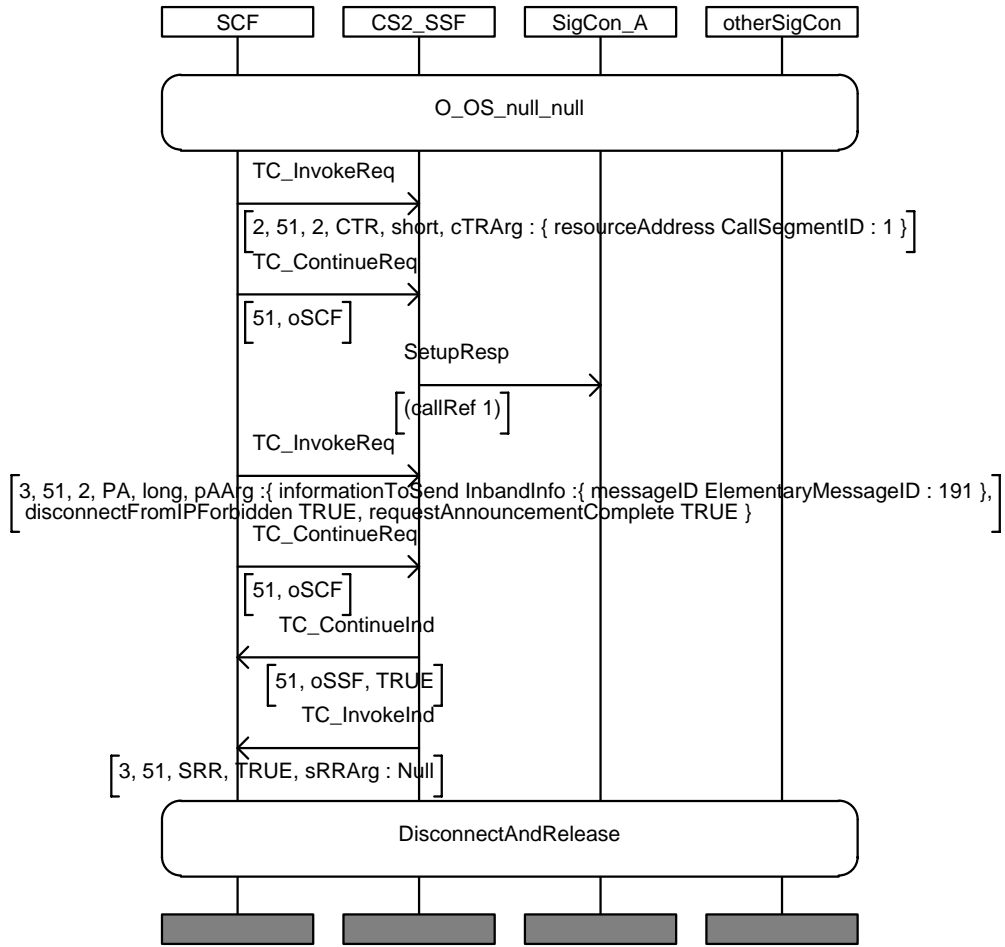
## 8.4.3 Play Announcement (PA) procedure

<b>IN2_A_BASIC_PA_BV_01</b>	
<b>Purpose:</b>	Test of <b>PlayAnnouncement</b> procedure
<b>Requirement ref</b>	
<b>Selection Cond.</b>	
<b>Preamble:</b>	O_OS_null_null
<b>Test description</b>	<p>SCF sends to IUT a <b>ConnectToResource</b> invoke containing mandatory parameters only with:</p> <ul style="list-style-type: none"> <li>• resourceAddress being iPRoutingAddress with any valid value</li> </ul> <p>- SCF sends to IUT an <b>PlayAnnouncement</b> invoke containing parameter</p> <ul style="list-style-type: none"> <li>• informationToSend any valid value</li> <li>• disconnectFromIPForbidden set to TRUE</li> <li>• requestAnnouncementComplete set to FALSE</li> </ul>
<b>Pass criteria</b>	Check that the IUT (SRF) doesn't send any error
<b>Postamble:</b>	DisconnectAndRelease



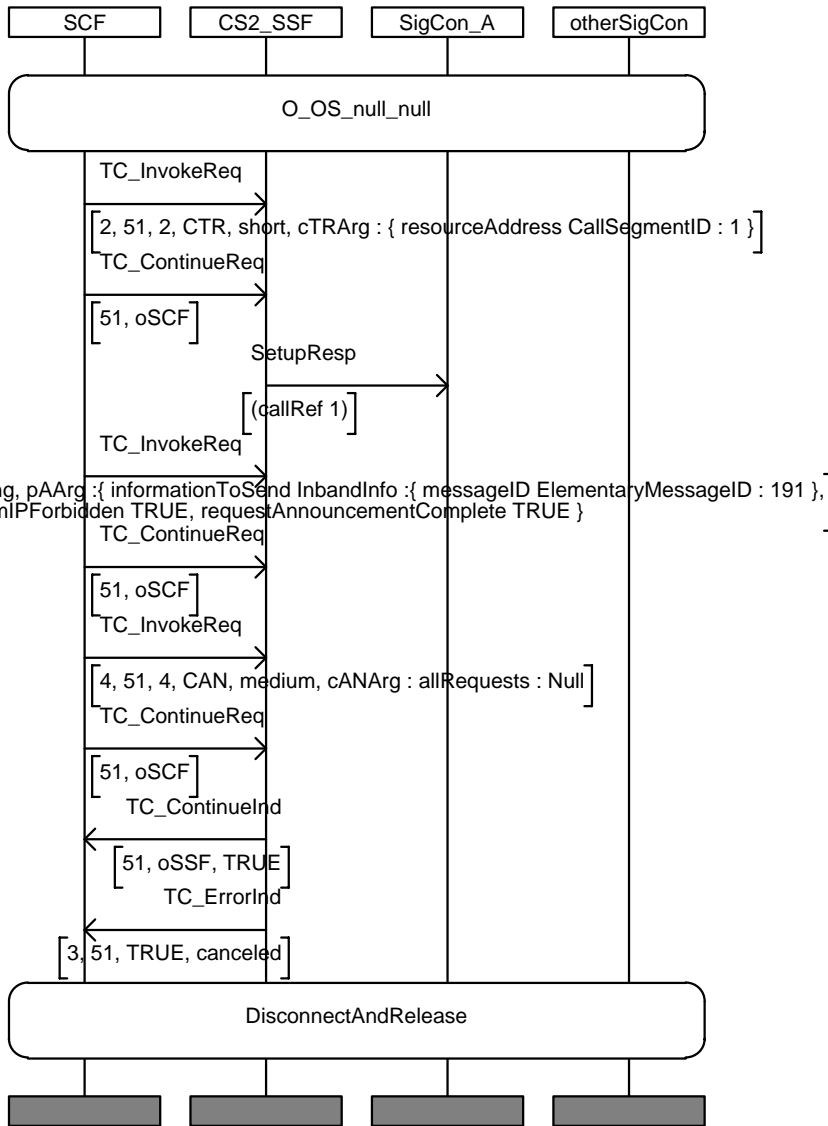
IN2_A_BASIC_PA_BV_02	
<b>Purpose:</b>	Test of <b>PlayAnnouncement</b> procedure
<b>Requirement ref</b>	
<b>Selection Cond.</b>	
<b>Preamble:</b>	O_OS_null_null
<b>Test description</b>	<ul style="list-style-type: none"> <li>- SCF sends to IUT a <b>ConnectToResource</b> invoke containing mandatory parameters only with:               <ul style="list-style-type: none"> <li>• resourceAddress being iPRoutingAddress with any valid value</li> </ul> </li> <li>- SCF sends to IUT an <b>PlayAnnouncement</b> invoke containing parameter               <ul style="list-style-type: none"> <li>• informationToSend any valid value</li> <li>• disconnectFromIPForbidden set to TRUE</li> <li>• requestAnnouncementComplete set to TRUE</li> </ul> </li> </ul>
<b>Pass criteria</b>	Check that the IUT (SRF) sends a SpecializedResourceReport after the PlayAnnouncement is executed.
<b>Postamble:</b>	DisconnectAndRelease

# MSC IN2\_A\_BASIC\_PA\_BV\_02



<b>IN2_A_BASIC_PA_BV_03</b>	
<b>Purpose:</b>	Test of <b>PlayAnnouncement</b> procedure
<b>Requirement ref</b>	
<b>Selection Cond.</b>	
<b>Preamble:</b>	O_OS_null_null
<b>Test description</b>	<p>- SCF sends to IUT a <b>ConnectToResource</b> invoke containing mandatory parameters only with:</p> <ul style="list-style-type: none"> <li>• resourceAddress being iPRoutingAddress with any valid value</li> </ul> <p>- SCF sends to IUT an <b>PlayAnnouncement</b> invoke containing parameter</p> <ul style="list-style-type: none"> <li>• informationToSend any valid value</li> <li>• disconnectFromIPForbidden set to TRUE</li> <li>• requestAnnouncementComplete set to TRUE</li> </ul> <p>- SCF sends a Cancel operation while PlayAnnouncement is executing</p>
<b>Pass criteria</b>	Check that the IUT (SRF) sends an errorInd being Canceled
<b>Postamble:</b>	DisconnectAndRelease

# MSC IN2\_A\_BASIC\_PA\_BV\_03

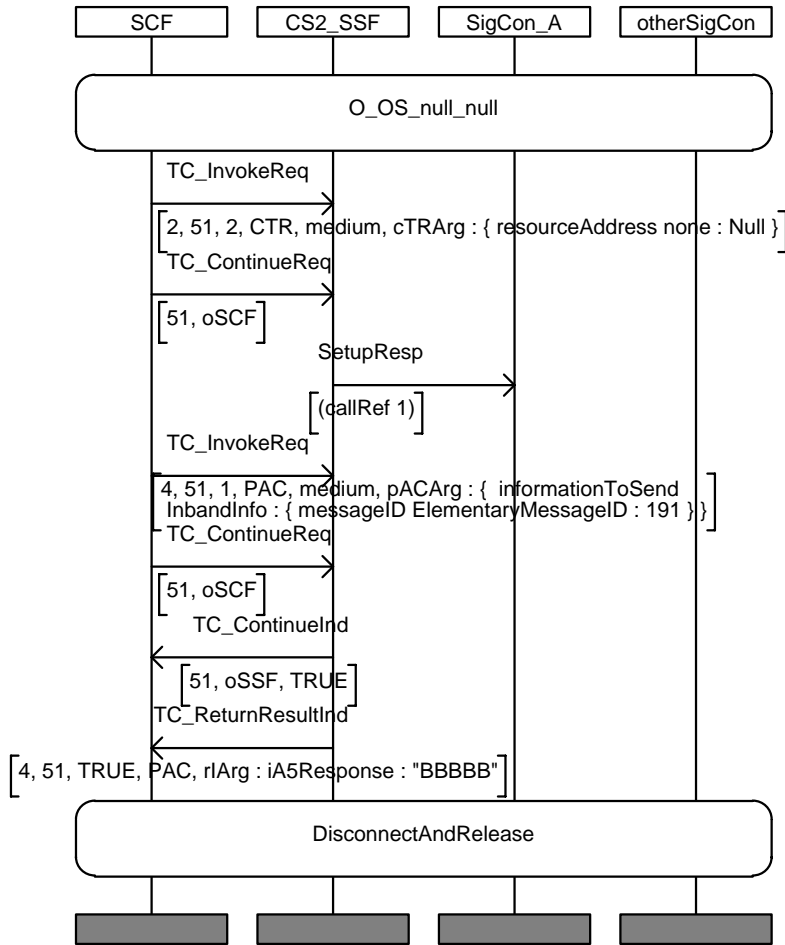


## 8.4.4 PromptAndCollectUserInformation (PC) procedure

<b>IN2_A_BASIC_PC_BV_01</b>	
<b>Purpose:</b>	Test of <b>PromptAndCollectUserInformation</b> procedure
<b>Requirement ref</b>	
<b>Selection Cond.</b>	
<b>Preamble:</b>	O_OS_null_null
<b>Test description</b>	<p>- SCF sends to IUT a <b>ConnectToResource</b> invoke containing mandatory parameters only with: resourceAddress being iPRoutingAddress with any valid value</p> <p>- SCF sends to IUT an <b>PromptAndCollectUserInformation</b> invoke containing parameter</p> <ul style="list-style-type: none"> <li>• informationToSend being any valid value</li> <li>• disconnectFromIPForbidden set to TRUE</li> </ul>
<b>Pass criteria</b>	Check that the IUT (SRF) sends a ReturnResultInd
<b>Postamble:</b>	DisconnectAndRelease

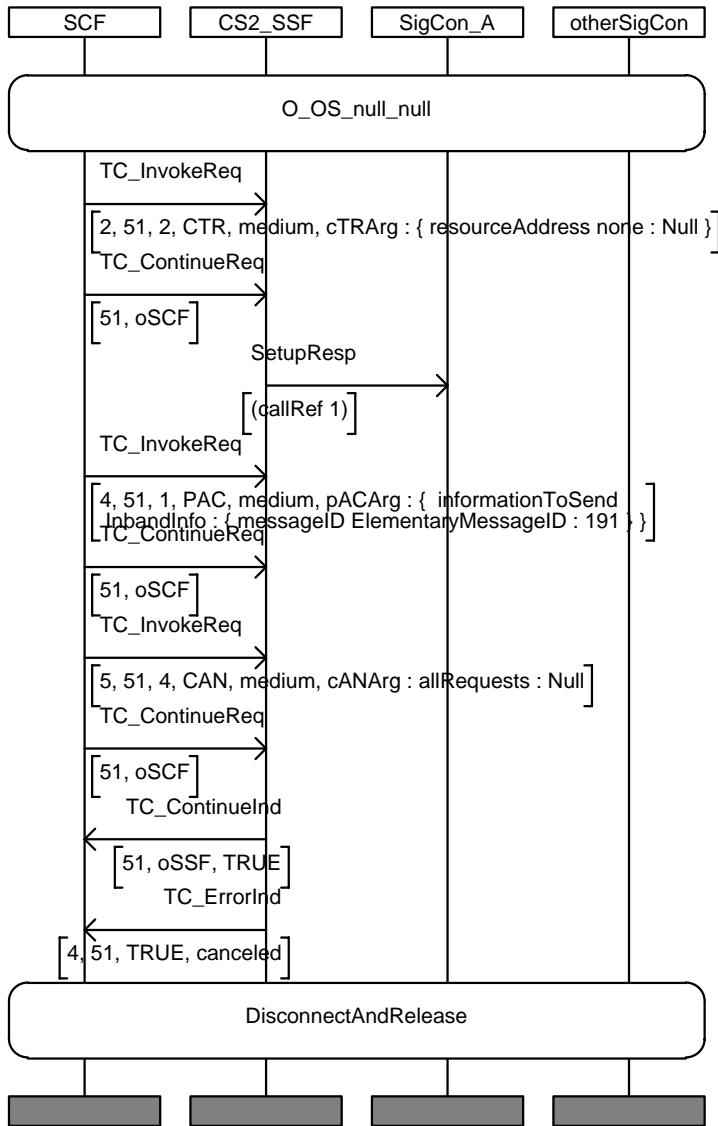


# MSC IN2\_A\_BASIC\_PC\_BV\_01



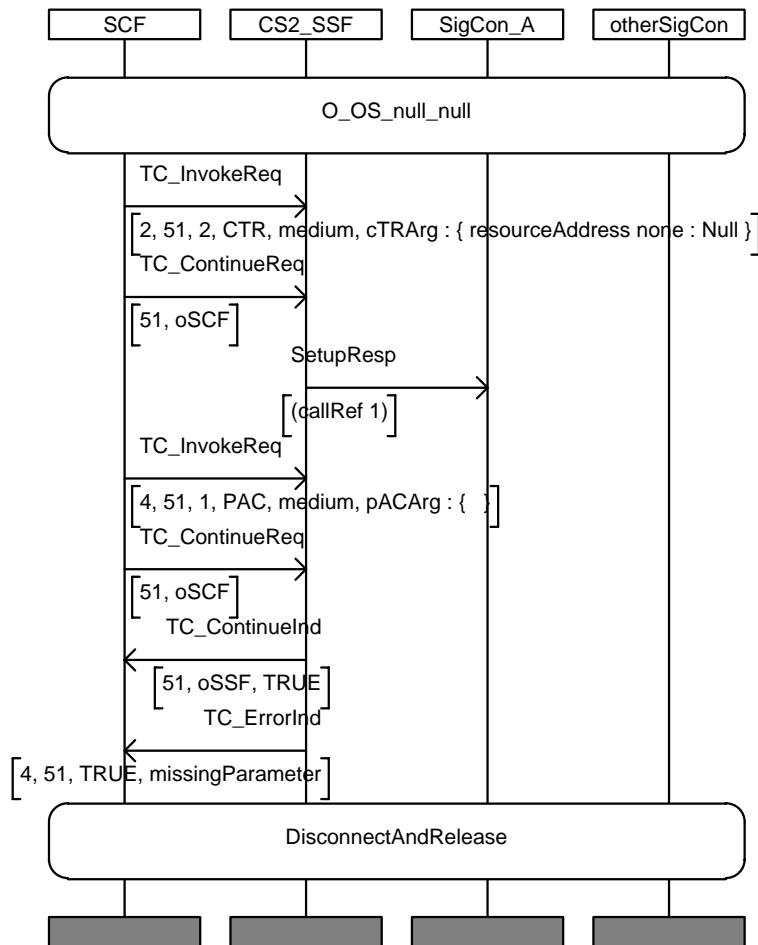
<b>IN2_A_BASIC_PC_BV_02</b>	
<b>Purpose:</b>	Test of <b>PromptAndCollectUserInfo</b> procedure
<b>Requirement ref</b>	
<b>Selection Cond.</b>	
<b>Preamble:</b>	O_OS_null_null
<b>Test description</b>	<p>- SCF sends to IUT a <b>ConnectToResource</b> invoke containing mandatory parameters only with: resourceAddress being iPRoutingAddress with any valid value</p> <p>- SCF sends to IUT an <b>PromptAndCollectUserInfo</b> invoke containing parameter</p> <ul style="list-style-type: none"> <li>• informationToSend being any valid value</li> <li>• disconnectFromIPForbidden set to TRUE</li> </ul> <p>- SCF sends a Cancel operation while PlayAnnouncement is executing</p>
<b>Pass criteria</b>	Check that the IUT (SRF) sends an errorInd being Canceled
<b>Postamble:</b>	DisconnectAndRelease

# MSC IN2\_A\_BASIC\_PC\_BV\_02



IN2_A_BASIC_PC_BI_01	
<b>Purpose:</b>	Test of <b>PromptAndCollectUserInformation</b> procedure
<b>Requirement ref</b>	
<b>Selection Cond.</b>	
<b>Preamble:</b>	O_OS_null_null
<b>Test description</b>	- SCF sends to IUT a <b>ConnectToResource</b> invoke containing mandatory parameters only with: <ul style="list-style-type: none"> <li>resourceAddress being iPRoutingAddress with any valid value</li> </ul> - SCF sends to IUT an <b>PromptAndCollectUserInformation</b> without mandatory informationToSend parameter
<b>Pass criteria</b>	Check that the IUT (SRF) sends a missingParameter error
<b>Postamble:</b>	DisconnectAndRelease

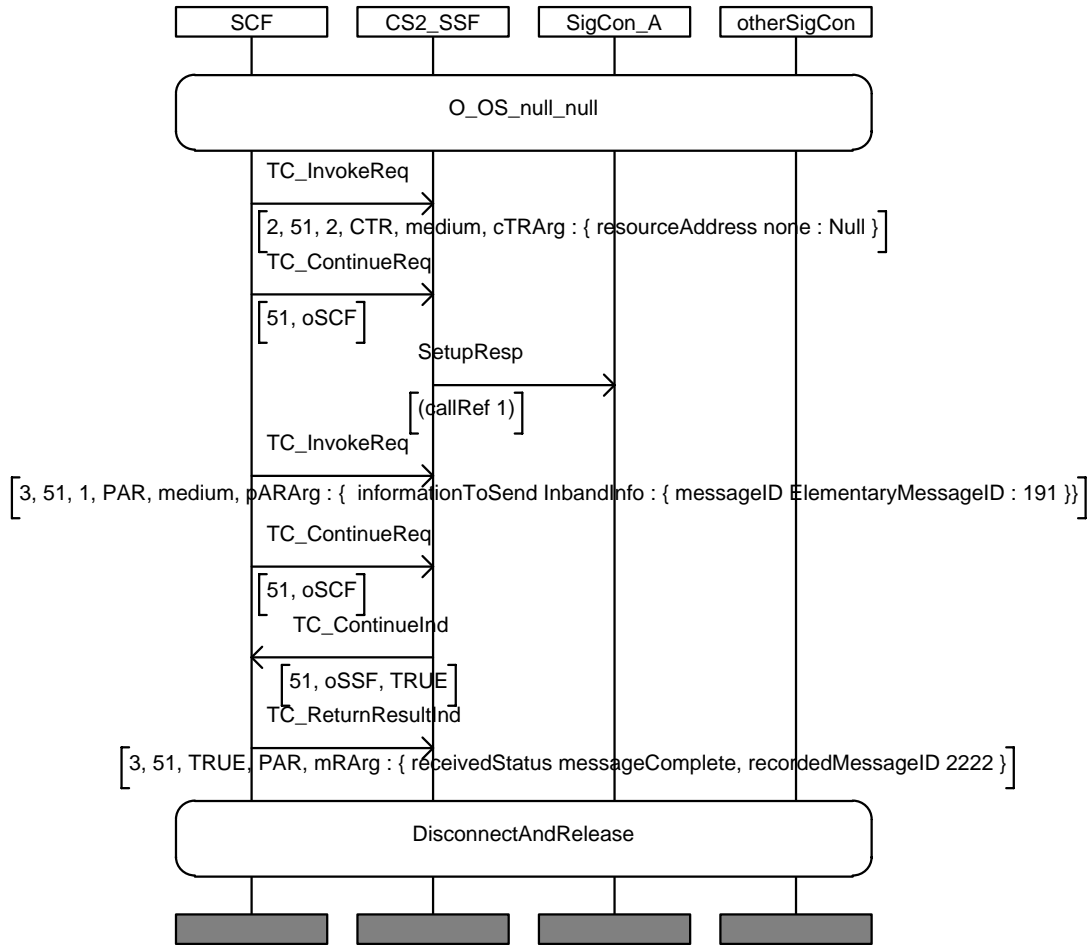
## MSC IN2\_A\_BASIC\_PC\_BI\_01



## 8.4.5 PromptAndReceiveMessage (PR) procedure

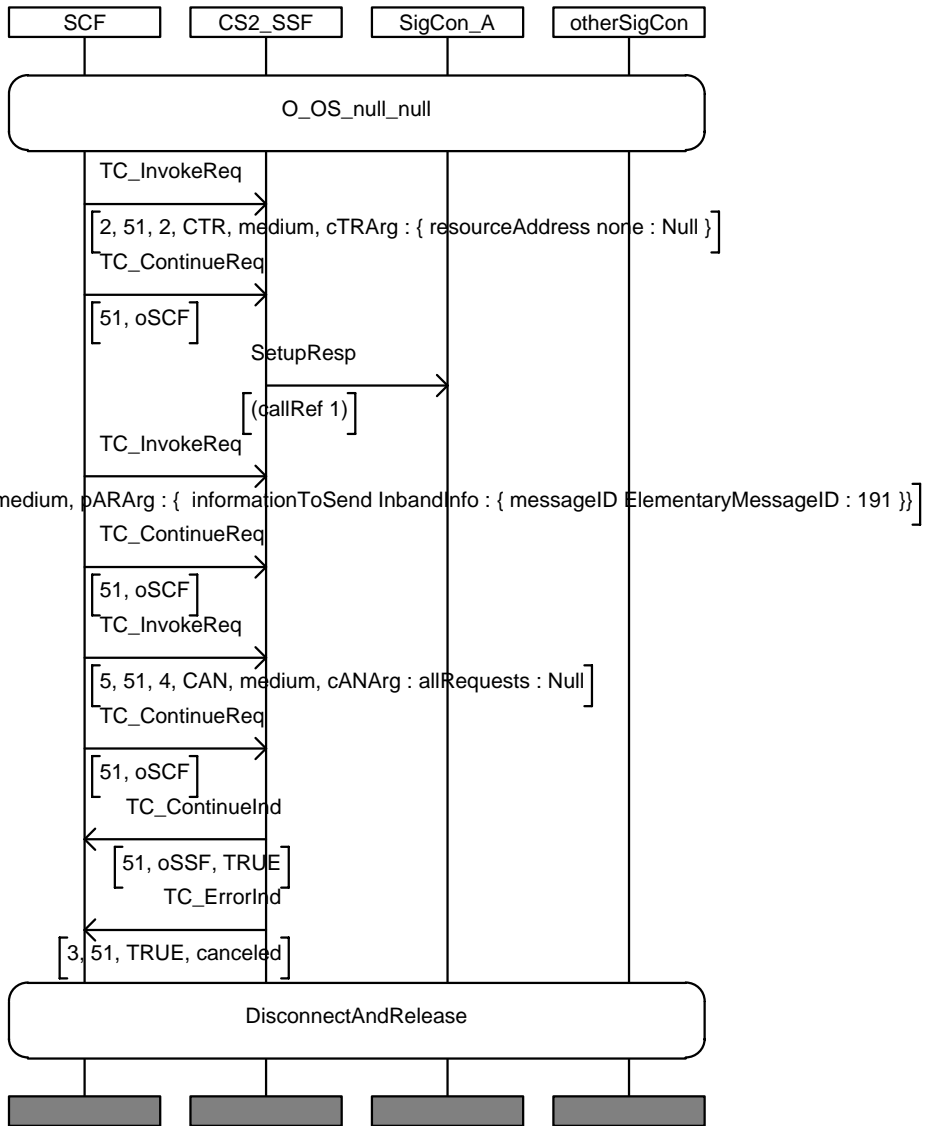
<b>IN2_A_BASIC_PR_BV_01</b>	
<b>Purpose:</b>	Test of <b>PromptAndReceiveMessage</b> procedure
<b>Requirement ref</b>	
<b>Selection Cond.</b>	
<b>Preamble:</b>	O_OS_null_null
<b>Test description</b>	<p>- SCF sends to IUT a <b>ConnectToResource</b> invoke containing mandatory parameters only with:</p> <ul style="list-style-type: none"> <li>• resourceAddress being iPRoutingAddress with any valid value</li> </ul> <p>- SCF sends to IUT an <b>PromptAndReceiveMessage</b> invoke containing parameter</p> <ul style="list-style-type: none"> <li>• informationToSend being any valid value</li> <li>• disconnectFromIPForbidden set to TRUE</li> <li>• media set to DEFAULT</li> </ul>
<b>Pass criteria</b>	Check that the IUT (SRF) sends a ReturnResult containing the recordedMessageID
<b>Postamble:</b>	DisconnectAndReceive

# MSC IN2\_A\_BASIC\_PR\_BV\_01



<b>IN2_A_BASIC_PR_BV_02</b>	
<b>Purpose:</b>	Test of <b>PromptAndReceiveMessage</b> procedure
<b>Requirement ref</b>	
<b>Selection Cond.</b>	
<b>Preamble:</b>	O_OS_null_null
<b>Test description</b>	<p>- SCF sends to IUT a <b>ConnectToResource</b> invoke containing mandatory parameters only with:</p> <ul style="list-style-type: none"> <li>• resourceAddress being iPRoutingAddress with any valid value</li> </ul> <p>- SCF sends to IUT an <b>PromptAndReceiveMessage</b> invoke containing parameter</p> <ul style="list-style-type: none"> <li>• informationToSend being any valid value</li> <li>• disconnectFromIPForbidden set to TRUE</li> <li>• media set to DEFAULT</li> </ul> <p>- SCF sends a Cancel operation while PlayAnnouncement is executing</p>
<b>Pass criteria</b>	Check that the IUT (SRF) sends an errorInd being Canceled
<b>Postamble:</b>	DisconnectAndReceive

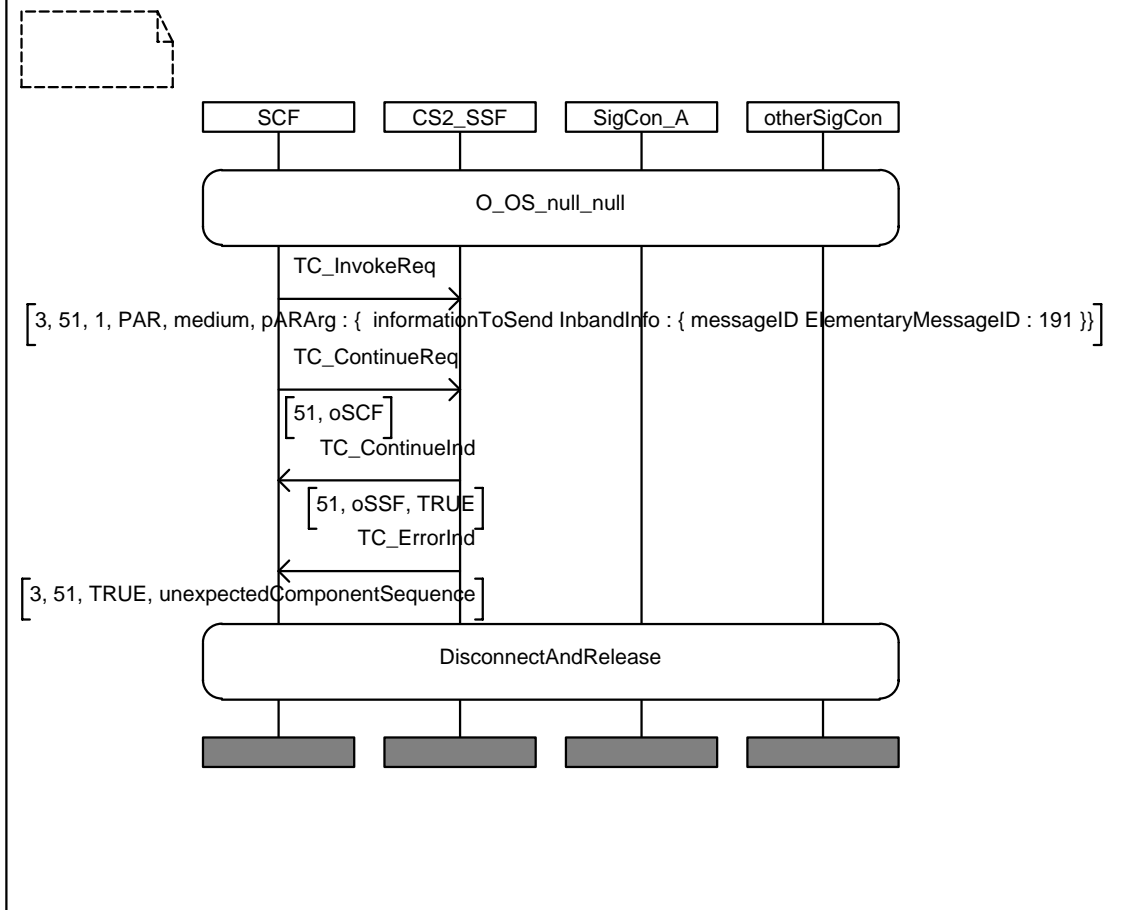
# MSC IN2\_A\_BASIC\_PR\_BV\_02





IN2_A_BASIC_PR_BO_01	
<b>Purpose:</b>	Test of <b>PromptAndReceiveMessage</b> procedure
<b>Requirement ref</b>	
<b>Selection Cond.</b>	
<b>Preamble:</b>	O_OS_null_null
<b>Test description</b>	<ul style="list-style-type: none"> <li>- SCF sends to IUT a <b>ConnectToResource</b> invoke containing mandatory parameters only with: resourceAddress being iPRoutingAddress with any valid value</li> <li>- The SCF sends a PromptAndReceiveMessage with mandatory parameters</li> </ul>
<b>Pass criteria</b>	Check that the IUT (SRF) sends a unexpectedComponentSequence error
<b>Postamble:</b>	DisconnectAndRelease

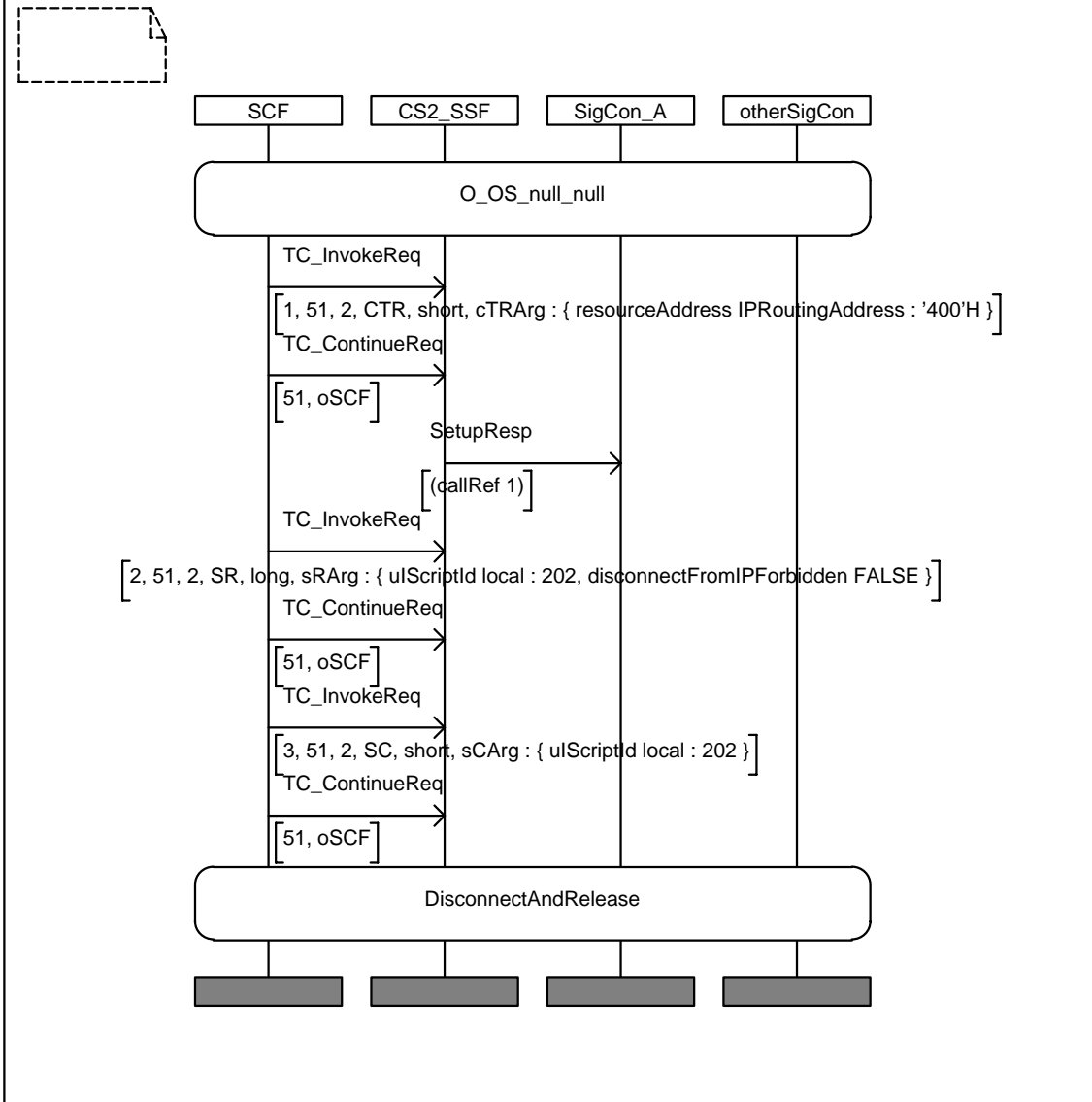
## MSC IN2\_A\_BASIC\_PR\_BO\_01



## 8.4.6 ScriptClose

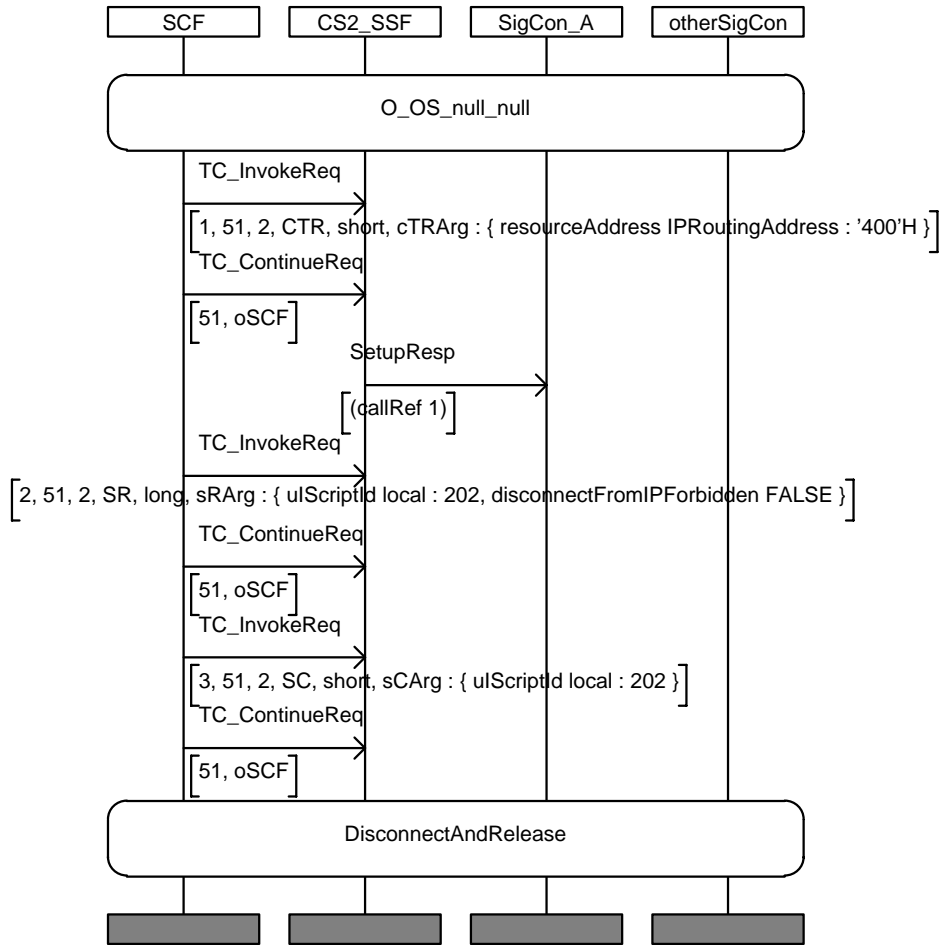
IN2_A_BASIC_SC_CA_01	
<b>Purpose:</b>	Test of <b>ScriptClose</b> procedure
<b>Requirement ref</b>	
<b>Selection Cond.</b>	
<b>Preamble:</b>	O_OS_null_null
<b>Test description</b>	<ul style="list-style-type: none"> <li>- SCF sends to IUT a <b>ConnectToResource</b> invoke containing mandatory parameters only with: resourceAddress being iPRoutingAddress with any valid value</li> <li>- SCF sends a <b>ScriptRun</b> with parameter uiScriptId being a valid ID which got a corresponding UI-script on the SRF</li> <li>- The SCF sends <b>ScriptClose</b> with parameter <ul style="list-style-type: none"> <li>• uiScriptId with ID corresponding to a previously started script</li> </ul> </li> </ul>
<b>Pass criteria</b>	Check that IUT does not send any error
<b>Postamble:</b>	DisconnectAndRelease

# MSC IN2\_A\_BASIC\_SC\_CA\_01



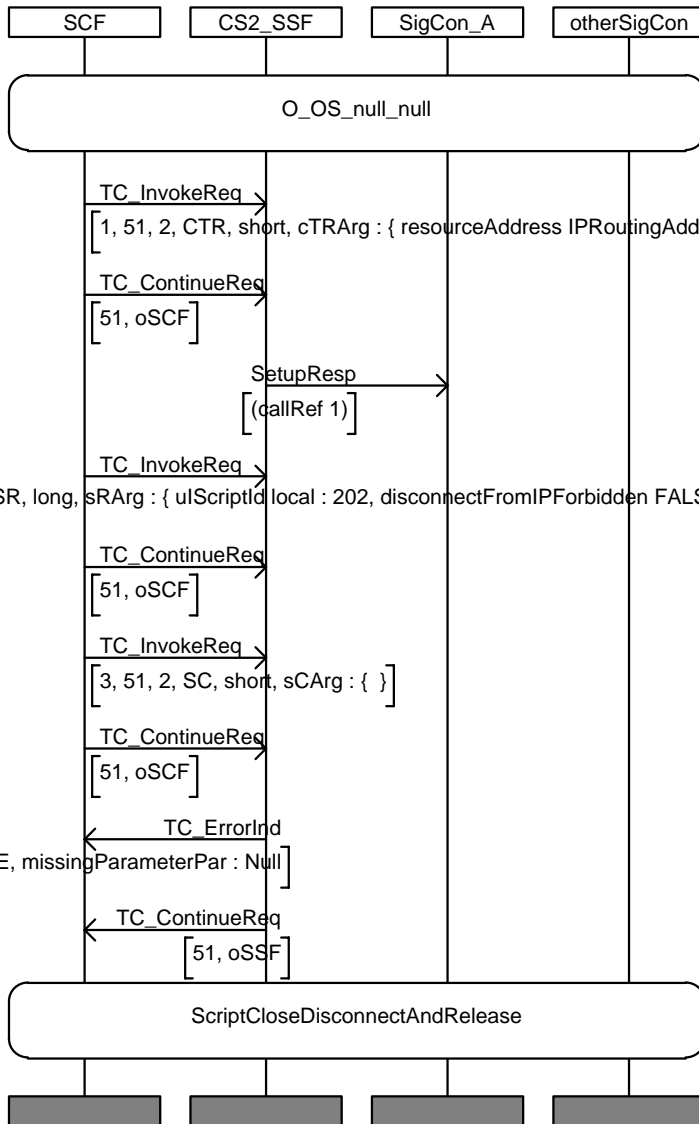
IN2_A_BASIC_SC_BO_01	
<b>Purpose:</b>	Test of <b>ScriptClose</b> procedure in wrong state
<b>Requirement ref</b>	
<b>Selection Cond.</b>	
<b>Preamble:</b>	O_OS_null_null
<b>Test description</b>	<ul style="list-style-type: none"> <li>- SCF sends to IUT a <b>ConnectToResource</b> invoke containing mandatory parameters only with:</li> <li>- The SCF sends <b>ScriptClose</b> with parameter <ul style="list-style-type: none"> <li>• uiScriptId with ID corresponding to a previously started script</li> </ul> </li> </ul>
<b>Pass criteria</b>	Check that IUT sends the taskRefused error
<b>Postamble:</b>	DisconnectAndRelease

# MSC IN2\_A\_BASIC\_SC\_BO\_01



<b>IN2_A_BASIC_SC_BI_01</b>	
<b>Purpose:</b>	Test of <b>ScriptClose</b> procedure without parameter
<b>Requirement ref</b>	
<b>Selection Cond.</b>	
<b>Preamble:</b>	O_OS_null_null
<b>Test description</b>	<ul style="list-style-type: none"> <li>- SCF sends to IUT a <b>ConnectToResource</b> invoke containing mandatory parameters only with: resourceAddress being iPRoutingAddress with any valid value</li> <li>- SCF sends a <b>ScriptRun</b> with parameter uiScriptId being a valid ID which got a corresponding UI-script on the SRF</li> <li>- The SCF sends <b>ScriptClose</b> without parameter</li> </ul>
<b>Pass criteria</b>	Check that IUT does send missingParameter error
<b>Postamble:</b>	ScriptCloseDisconnectAndRelease

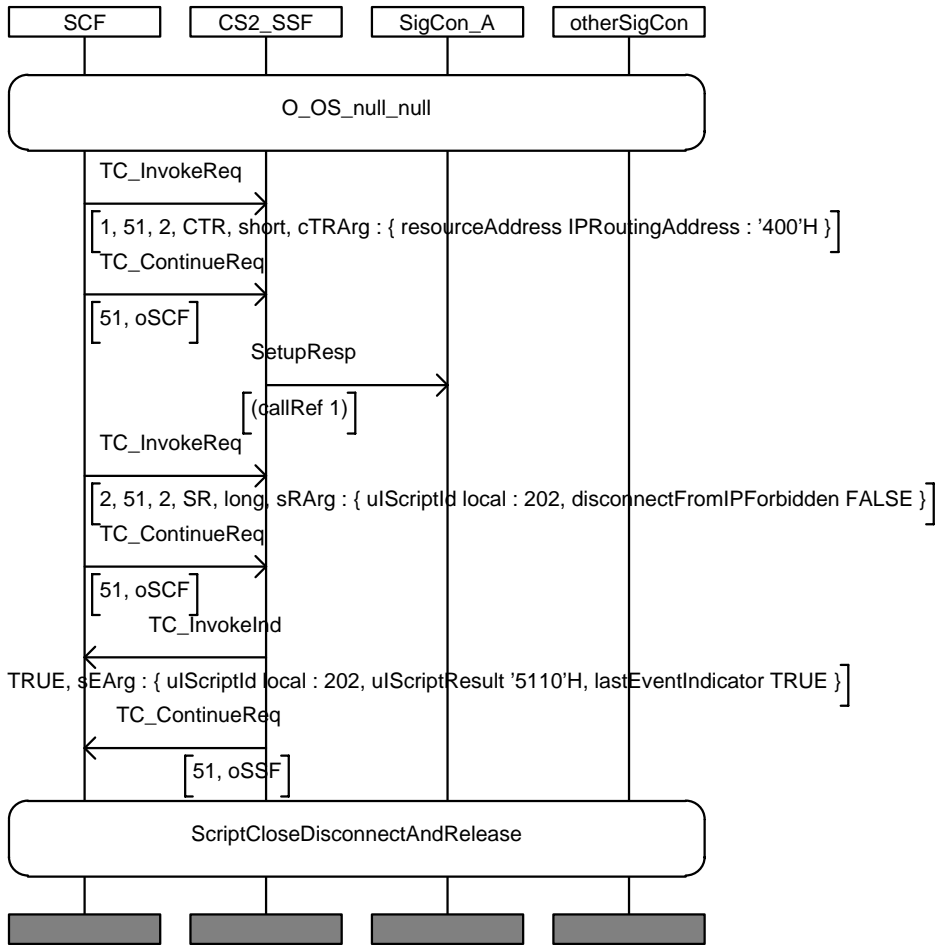
# MSC IN2\_A\_BASIC\_SC\_BI\_01



## 8.4.7 ScriptEvent

<b>IN2_A_BASIC_SE_CA_01</b>	
<b>Purpose:</b>	Test of <b>ScriptEvent</b> procedure (explicit termination)
<b>Requirement ref</b>	
<b>Selection Cond.</b>	
<b>Preamble:</b>	O_OS_null_null
<b>Test description</b>	<p>- SCF sends to IUT a <b>ConnectToResource</b> invoke containing mandatory parameters only with: resourceAddress being iPRoutingAddress with any valid value</p> <p>- SCF sends a <b>ScriptRun</b> with parameter uiScriptId being a valid ID which got a corresponding UI-script on the SRF</p>
<b>Pass criteria</b>	<p>Check that IUT does send <b>ScriptEvent</b> operation with</p> <ul style="list-style-type: none"> <li>• iuScriptId the same ID which was used by ScriptRun operation</li> <li>• uiScriptResult being correct what the uiResult definition of that script is concerned</li> <li>• lastEventIndicator is set to true</li> </ul>
<b>Postamble:</b>	ScriptCloseDisconnectAndRelease

# MSC IN2\_A\_BASIC\_SE\_CA\_01

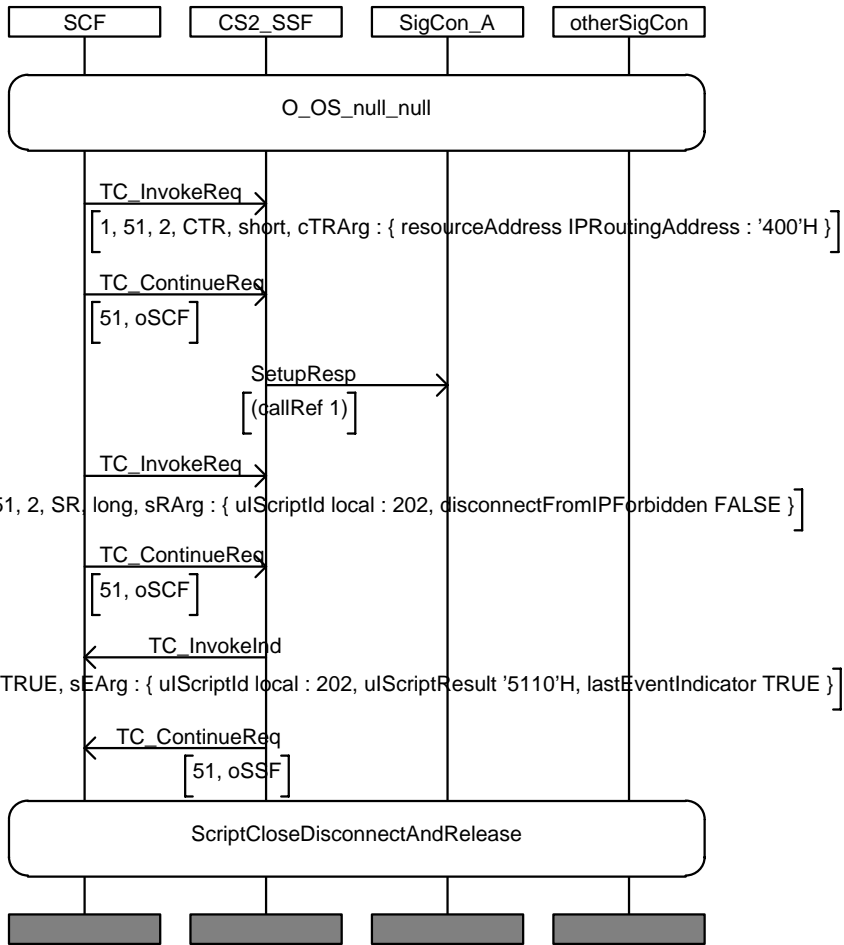




## 8.4.8 ScriptInformation

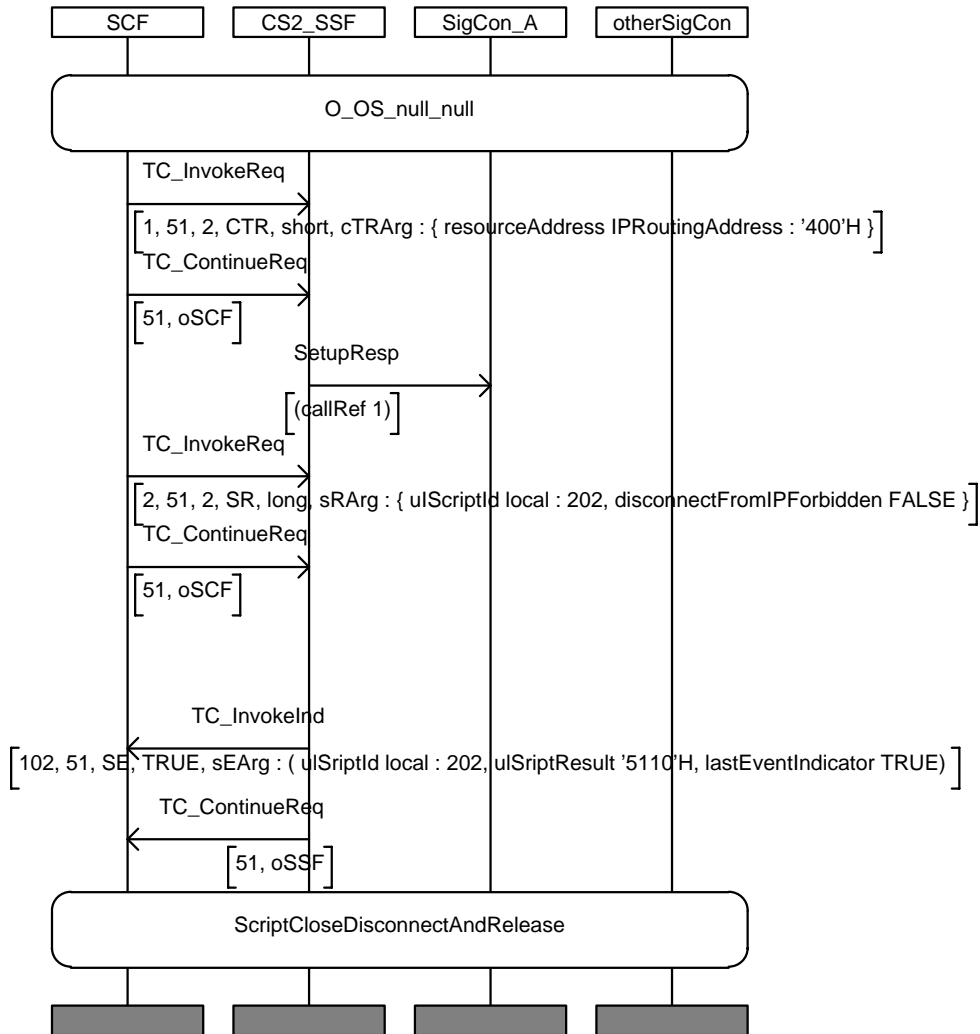
<b>IN2_A_BASIC_SI_CA_01</b>	
<b>Purpose:</b>	Test of <b>ScriptInformation</b>
<b>Requirement ref</b>	
<b>Selection Cond.</b>	
<b>Preamble:</b>	O_OS_null_null
<b>Test description</b>	<p>- SCF sends to IUT a <b>ConnectToResource</b> invoke containing mandatory parameters only with: resourceAddress being iPRoutingAddress with any valid value</p> <p>- SCF sends a <b>ScriptRun</b> with parameter uiScriptId being a valid ID which got a corresponding UI-script on the SRF</p> <p>- SCF sends <b>ScriptInformation</b> with parameter</p> <ul style="list-style-type: none"> <li>• uiScriptId same ID which was used by ScriptRun operation</li> <li>• uiScriptSpecificInfo which fits to the uiScriptspecificInfo defined for that class instance of UISCRIPT</li> </ul>
<b>Pass criteria</b>	Check if the IUT does not send any error
<b>Postamble:</b>	ScriptCloseDisconnectAndRelease

# MSC IN2\_A\_BASIC\_SI\_CA\_01



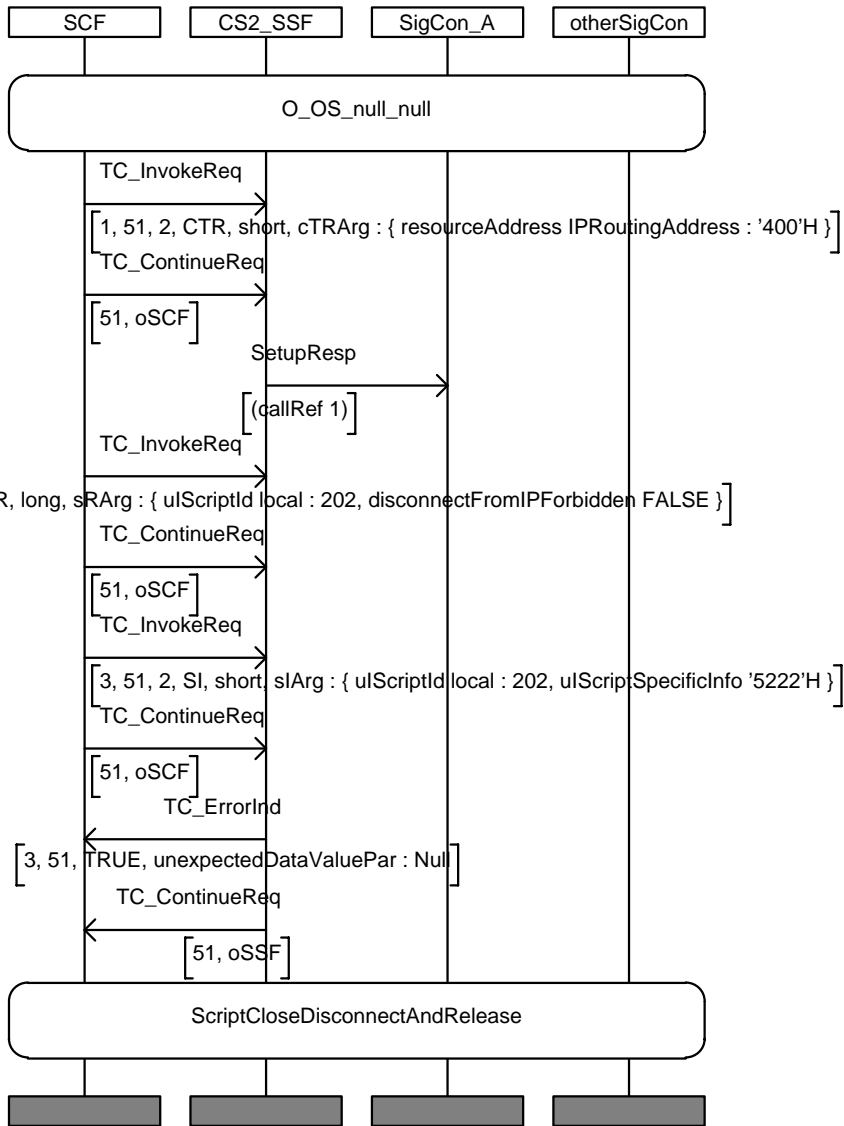
<b>IN2_A_BASIC_SI_CA_02</b>	
<b>Purpose:</b>	Test of <b>ScriptInformation</b>
<b>Requirement ref</b>	
<b>Selection Cond.</b>	
<b>Preamble:</b>	O_OS_null_null
<b>Test description</b>	<p>- SCF sends to IUT a <b>ConnectToResource</b> invoke containing mandatory parameters only with: resourceAddress being iPRoutingAddress with any valid value</p> <p>- SCF sends a <b>ScriptRun</b> with parameter uiScriptId being a valid ID which got a corresponding UI-script on the SRF</p> <p>- Check that IUT does send <b>ScriptEvent</b> operation with</p> <ul style="list-style-type: none"> <li>• iuScriptId the same ID which was used by ScriptRun operation</li> <li>• uiScriptResult being correct what the uiResult definition of that script is concerned</li> <li>• lastEventIndicator is set to <i>false</i></li> </ul> <p>- SCF sends <b>ScriptInformation</b> with parameter</p> <ul style="list-style-type: none"> <li>• uiScriptId same ID which was used by ScriptRun operation</li> <li>• uiScriptSpecificInfo which fits to the uiScriptspecificInfo defined for that class instance of UISCRIPT</li> </ul>
<b>Pass criteria</b>	Check if the IUT does not send any error
<b>Postamble:</b>	ScriptCloseDisconnectAndRelease

# MSC IN2\_A\_BASIC\_SI\_CA\_02



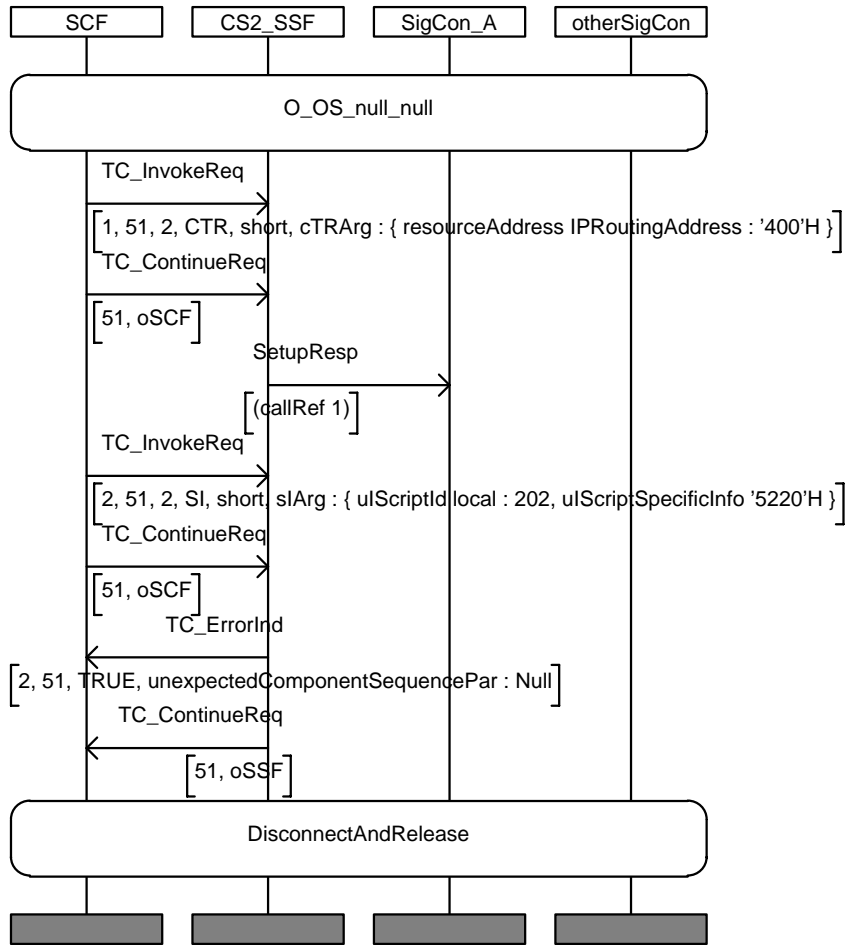
<b>IN2_A_BASIC_SI_BI_01</b>	
<b>Purpose:</b>	Test of <b>ScriptInformation</b>
<b>Requirement ref</b>	
<b>Selection Cond.</b>	
<b>Preamble:</b>	O_OS_null_null
<b>Test description</b>	<p>- SCF sends to IUT a <b>ConnectToResource</b> invoke containing mandatory parameters only with: resourceAddress being iPRoutingAddress with any valid value</p> <p>- SCF sends a <b>ScriptRun</b> with parameter uiScriptId being a valid ID which got a corresponding UI-script on the SRF</p> <p>- SCF sends <b>ScriptInformation</b> with parameter</p> <ul style="list-style-type: none"> <li>• uiScriptId with same ID which was used by ScriptRun operation</li> <li>• uiScriptSpecificInfo which does not fits to the uiScriptspecificInfo defined for that class instance of UISCRIPT</li> </ul>
<b>Pass criteria</b>	Check if the IUT does send unexpectedParameter error
<b>Postamble:</b>	ScriptCloseDisconnectAndRelease

# MSC IN2\_A\_BASIC\_SI\_BI\_01



<b>IN2_A_BASIC_SI_BO_01</b>	
<b>Purpose:</b>	Test of <b>ScriptInformation</b>
<b>Requirement ref</b>	
<b>Selection Cond.</b>	
<b>Preamble:</b>	O_OS_null_null
<b>Test description</b>	<p>- SCF sends to IUT a <b>ConnectToResource</b> invoke containing mandatory parameters only with: resourceAddress being iPRoutingAddress with any valid value</p> <p>- SCF sends <b>ScriptInformation</b> with parameter</p> <ul style="list-style-type: none"> <li>• uiScriptId some ID</li> <li>• uiScriptSpecificInfo which fits to the uiScriptspecificInfo defined for that class instance of UISCRIPT</li> </ul>
<b>Pass criteria</b>	Check that the IUT does send taskRefused
<b>Postamble:</b>	DisconnectAndRelease

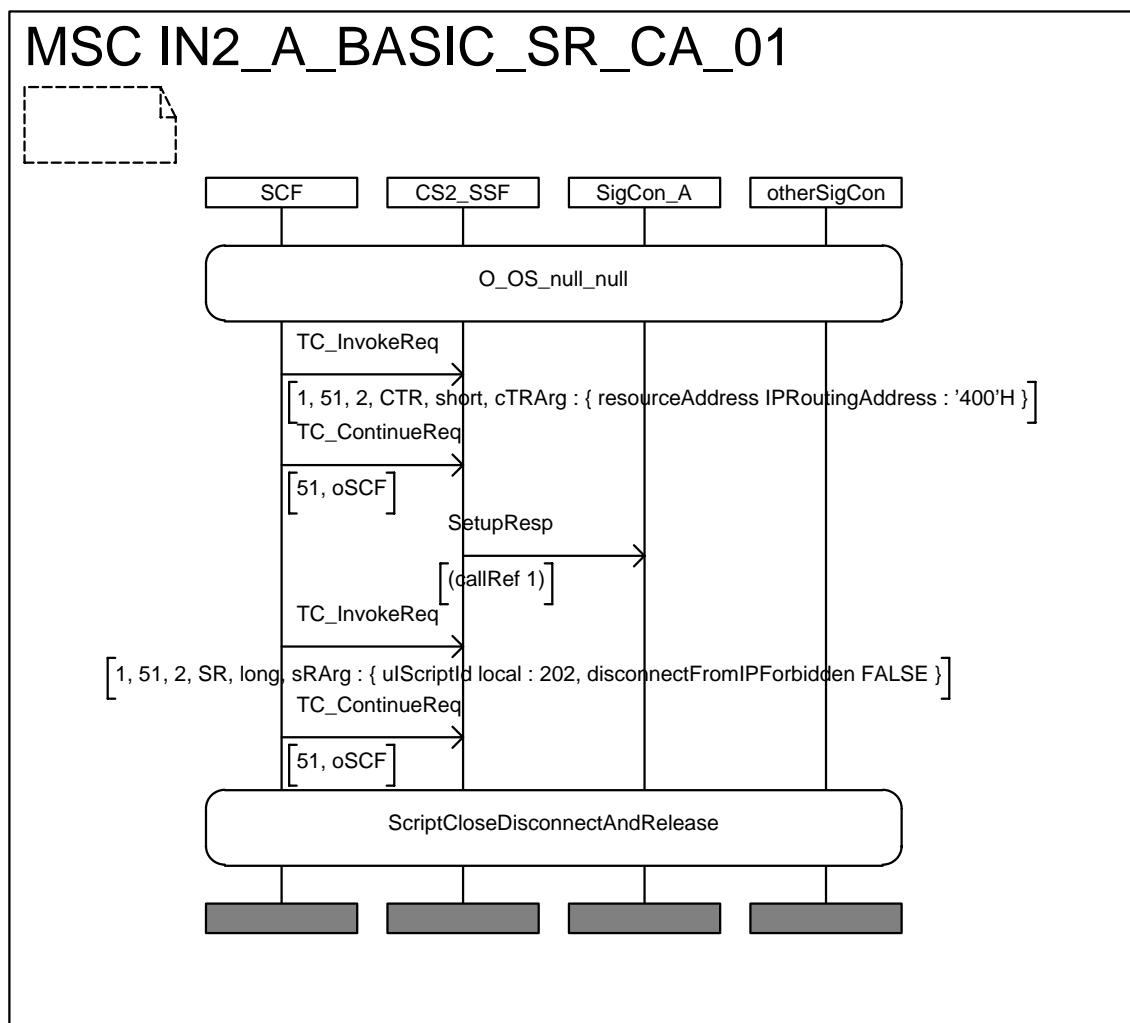
# MSC IN2\_A\_BASIC\_SI\_BO\_01



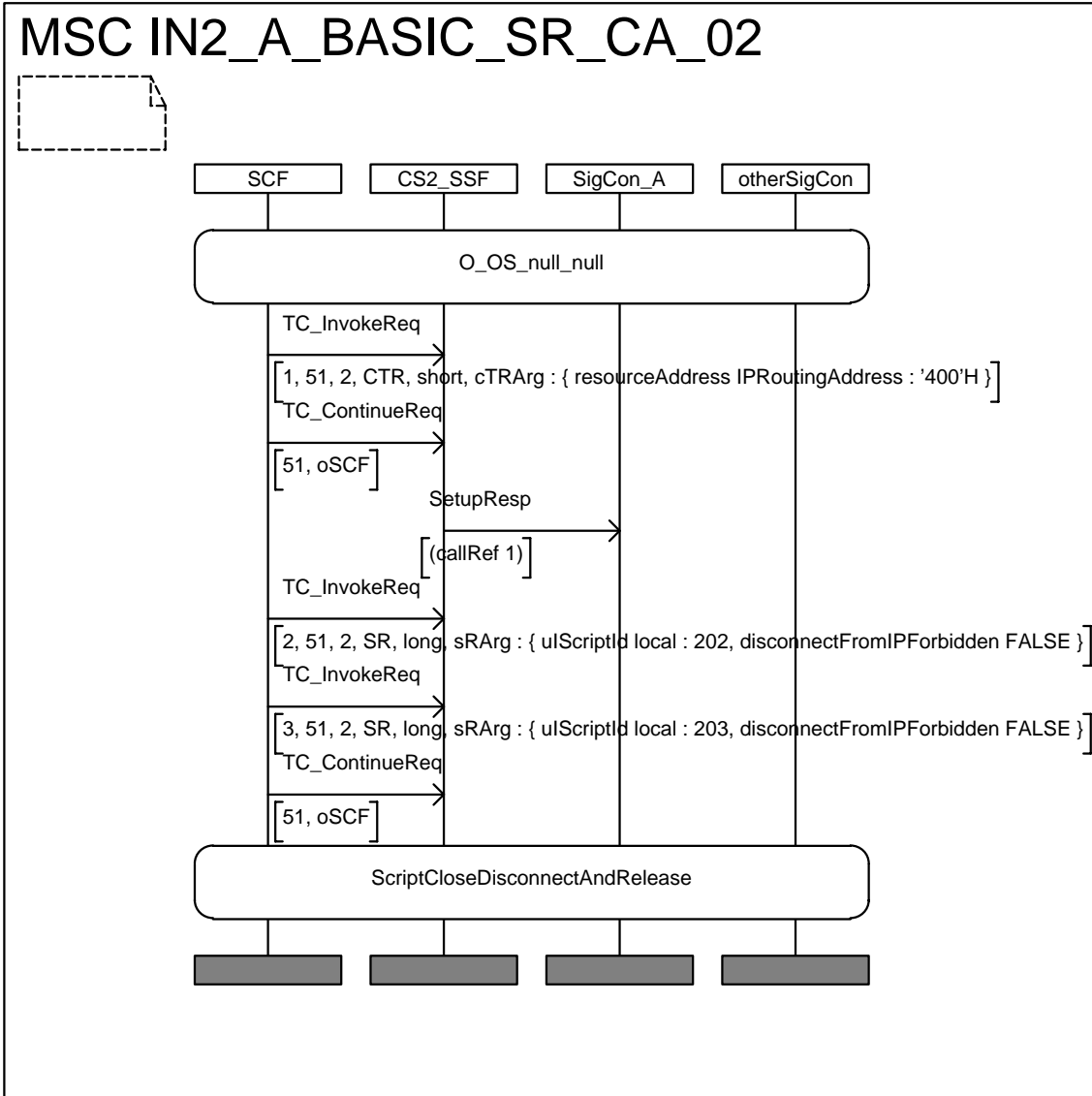


### 8.4.9 ScriptRun

IN2_A_BASIC_SR_CA_01	
<b>Purpose:</b>	Test of <b>ScriptRun</b>
<b>Requirement ref</b>	
<b>Selection Cond.</b>	
<b>Preamble:</b>	O_OS_null_null
<b>Test description</b>	<ul style="list-style-type: none"> <li>- SCF sends to IUT a <b>ConnectToResource</b> invoke containing mandatory parameters only with: resourceAddress being iPRoutingAddress with any valid value</li> <li>- SCF sends a <b>ScriptRun</b> with parameter uiScriptId being a valid ID which got a corresponding UI-script on the SRF</li> </ul>
<b>Pass criteria</b>	Check that the IUT does not send any error
<b>Postamble:</b>	ScriptCloseDisconnectAndRelease

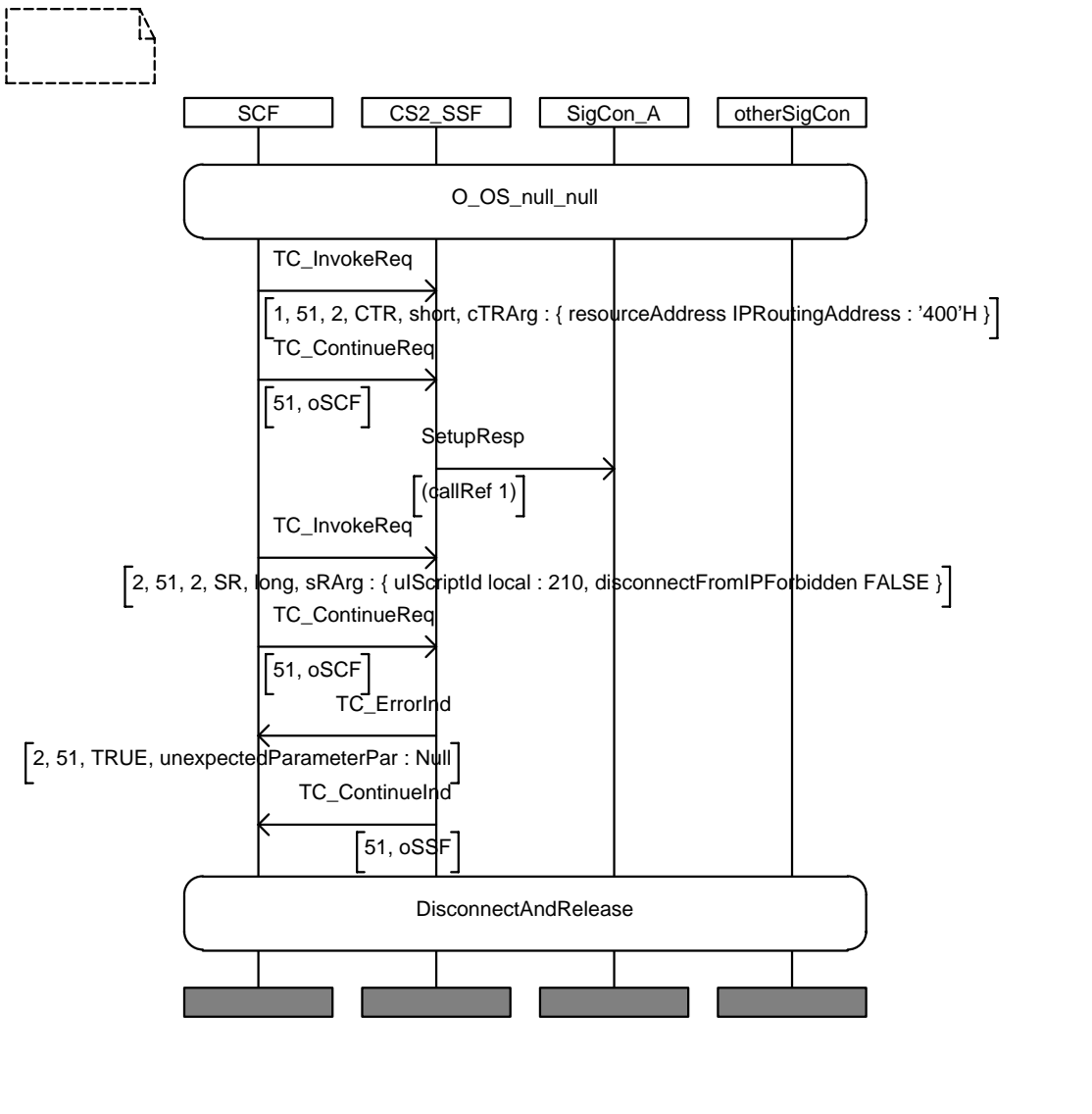


IN2_A_BASIC_SR_CA_02	
<b>Purpose:</b>	Test of <b>ScriptRun</b>
<b>Requirement ref</b>	
<b>Selection Cond.</b>	
<b>Preamble:</b>	O_OS_null_null
<b>Test description</b>	<p>- SCF sends to IUT a <b>ConnectToResource</b> invoke containing mandatory parameters only with: resourceAddress being iPRoutingAddress with any valid value</p> <p>- SCF sends a <b>ScriptRun</b> with parameter uiScriptId being a valid ID which got a corresponding UI-script on the SRF SCF sends a <b>ScriptRun</b> with parameter</p> <ul style="list-style-type: none"> <li>• uiScriptId being a valid ID which got a corresponding UI-script on the SRF</li> </ul>
<b>Pass criteria</b>	Check if the IUT does not send any error
<b>Postamble:</b>	ScriptCloseDisconnectAndRelease



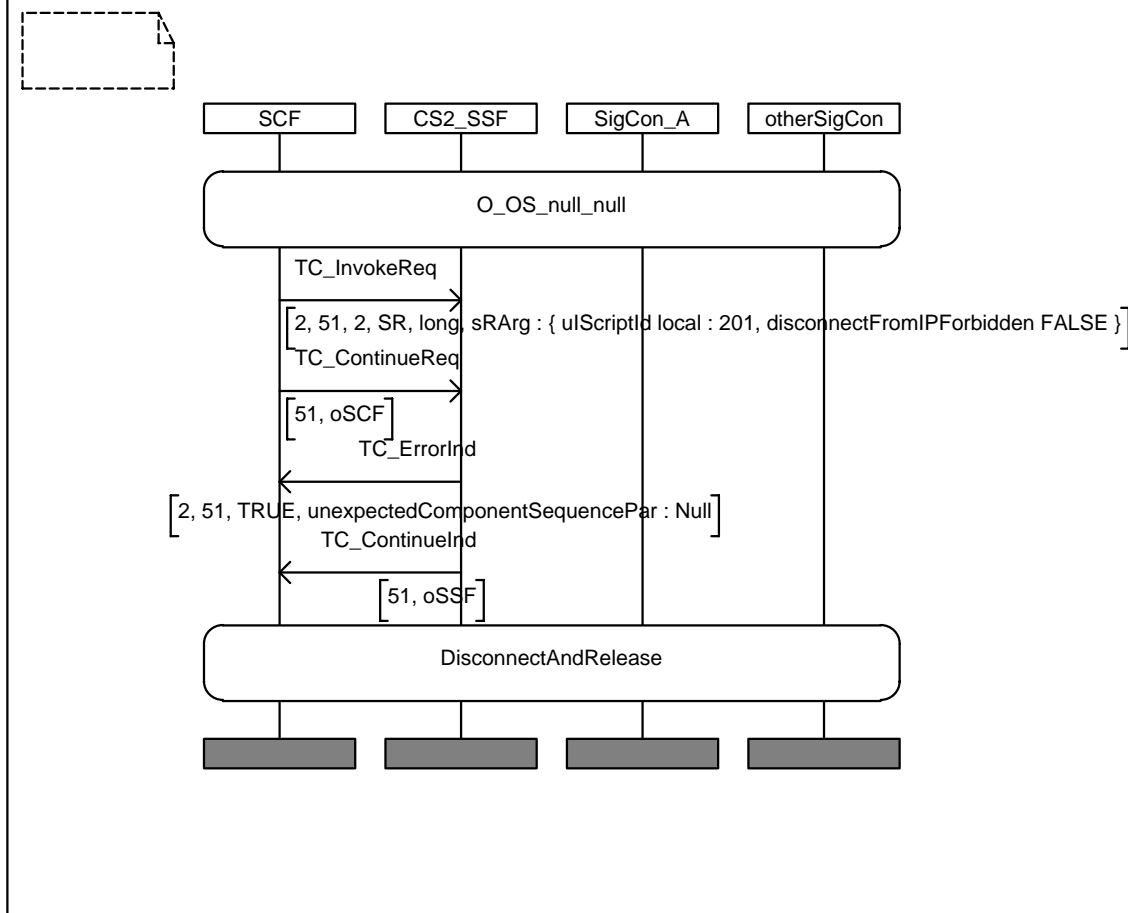
IN2_A_BASIC_SR_BI_01	
<b>Purpose:</b>	Test of <b>ScriptRun</b>
<b>Requirement ref</b>	
<b>Selection Cond.</b>	
<b>Preamble:</b>	O_OS_null_null
<b>Test description</b>	<p>- SCF sends to IUT a <b>ConnectToResource</b> invoke containing mandatory parameters only with: resourceAddress being iPRoutingAddress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

## MSC IN2\_A\_BASIC\_SR\_BI\_01



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

## MSC IN2\_A\_BASIC\_SR\_BO\_01



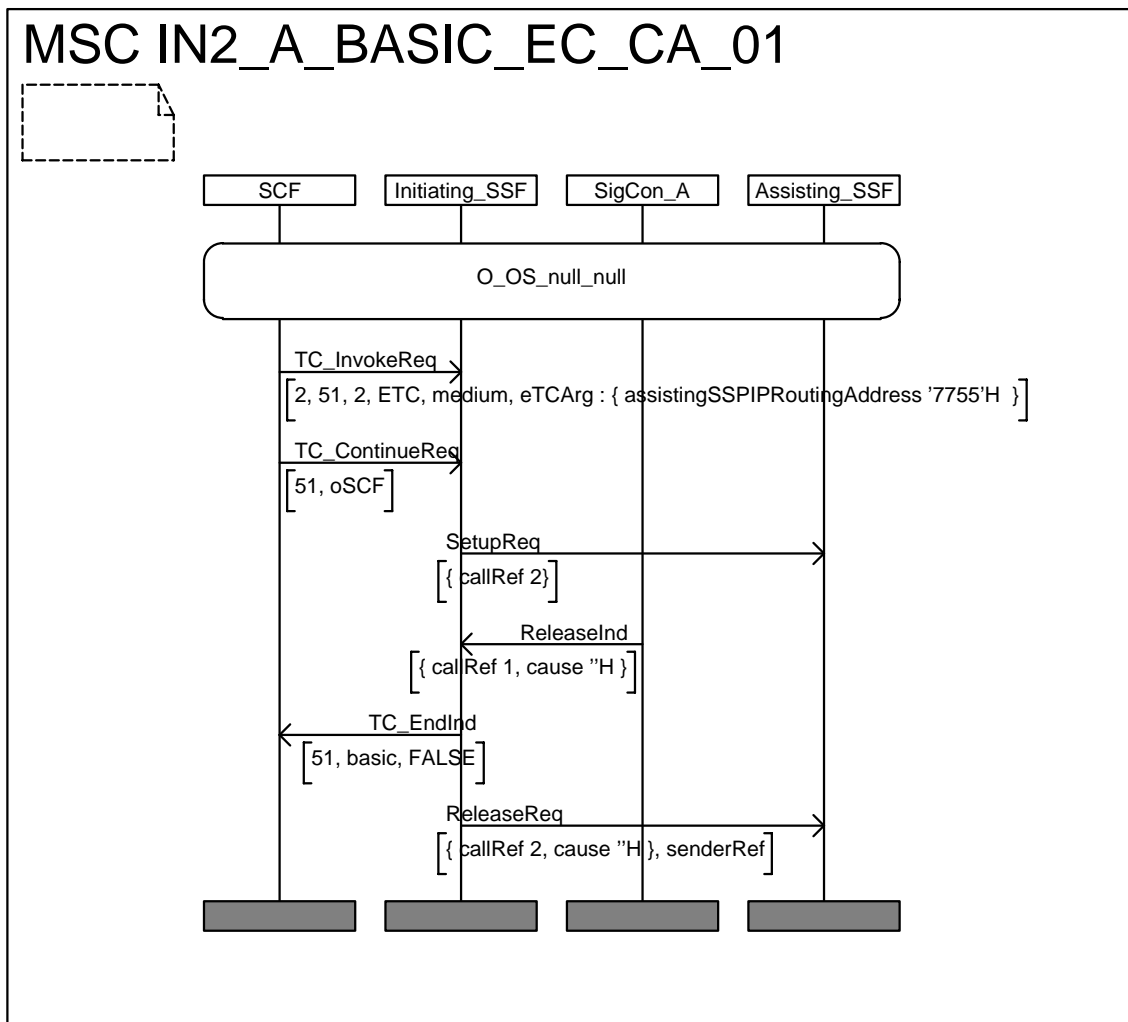
## 8.5 Configuration where initiating SSF is the IUT

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.

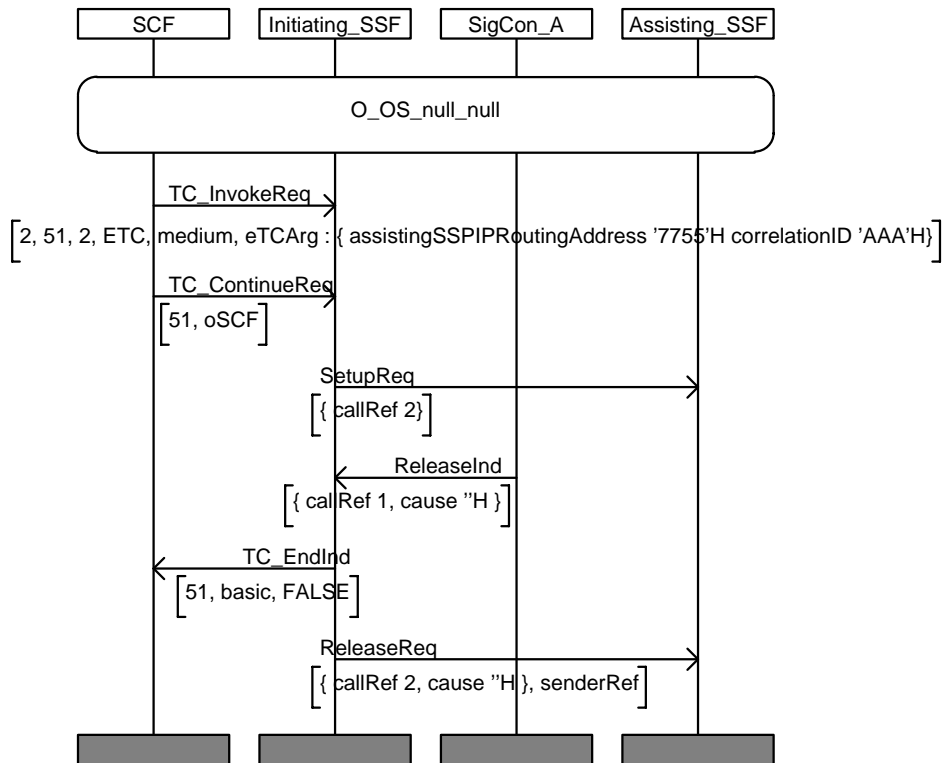
## 8.5.1 EstablishTemporaryConnection (EC) procedure

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



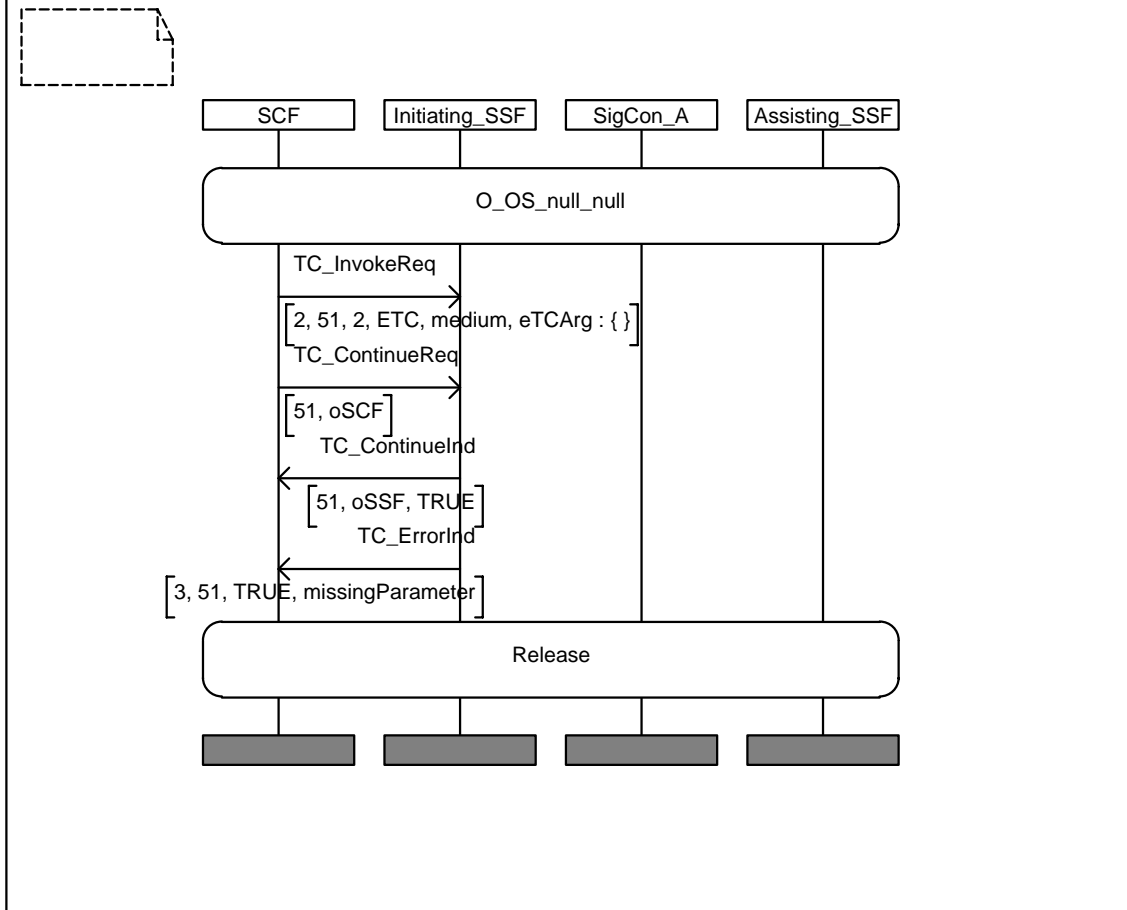
IN2_A_BASIC_EC_BV_01	
<b>Purpose:</b>	Test of <b>EstablishTemporaryConnection</b> procedure
<b>Requirement ref</b>	
<b>Selection Cond.</b>	
<b>Preamble:</b>	O_OS_null_null
<b>Test description</b>	SCF sends to IUT an <b>EstablishTemporaryConnection</b> invoke with parameter <ul style="list-style-type: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

## MSC IN2\_A\_BASIC\_EC\_BV\_01



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

## MSC IN2\_A\_BASIC\_EC\_BI\_01



## 8.6 Configuration where assisting SSF is the IUT

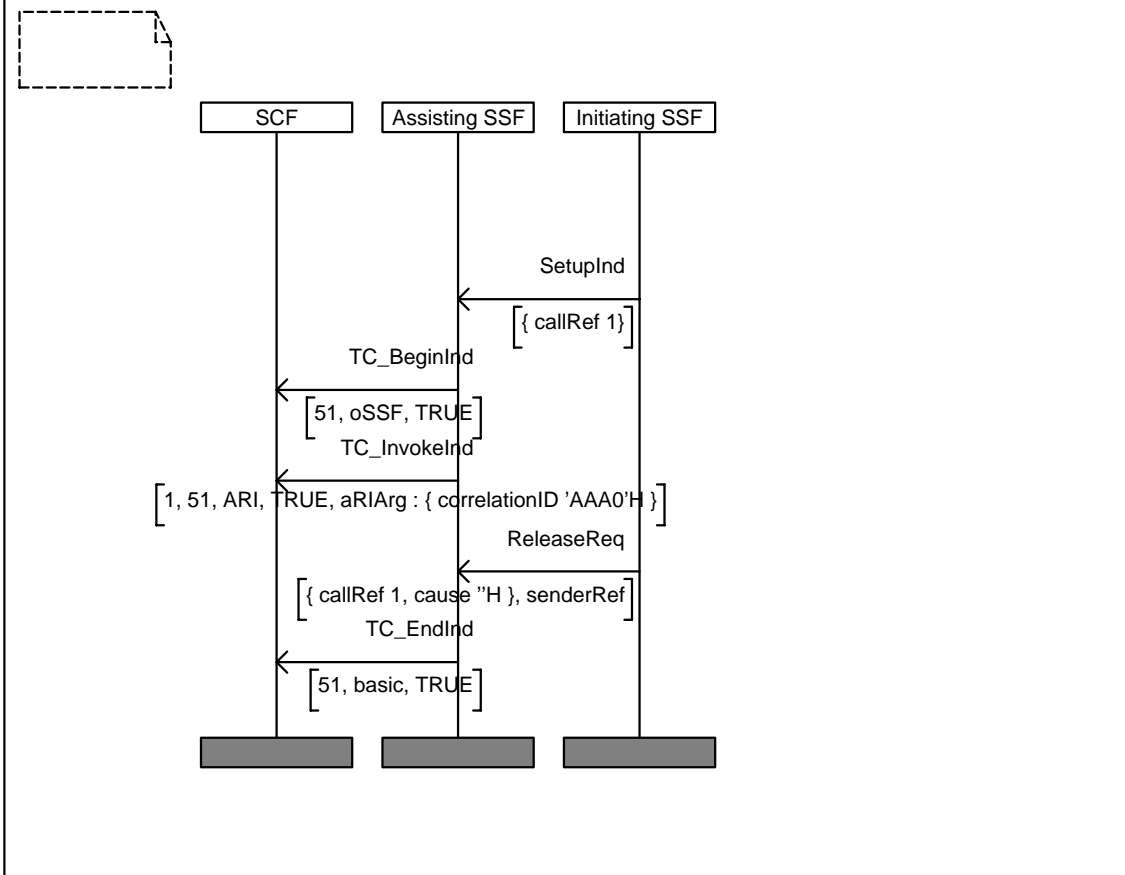
For these TP, the implementation under test (IUT) is an assisting SSF with an integrated SRF. The main tester is the SCF. SigconA represents the initiating SSF. Refer to functional configuration 3.4 defined in Annex A.

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

## 8.6.1 AssistRequestInstructions procedure

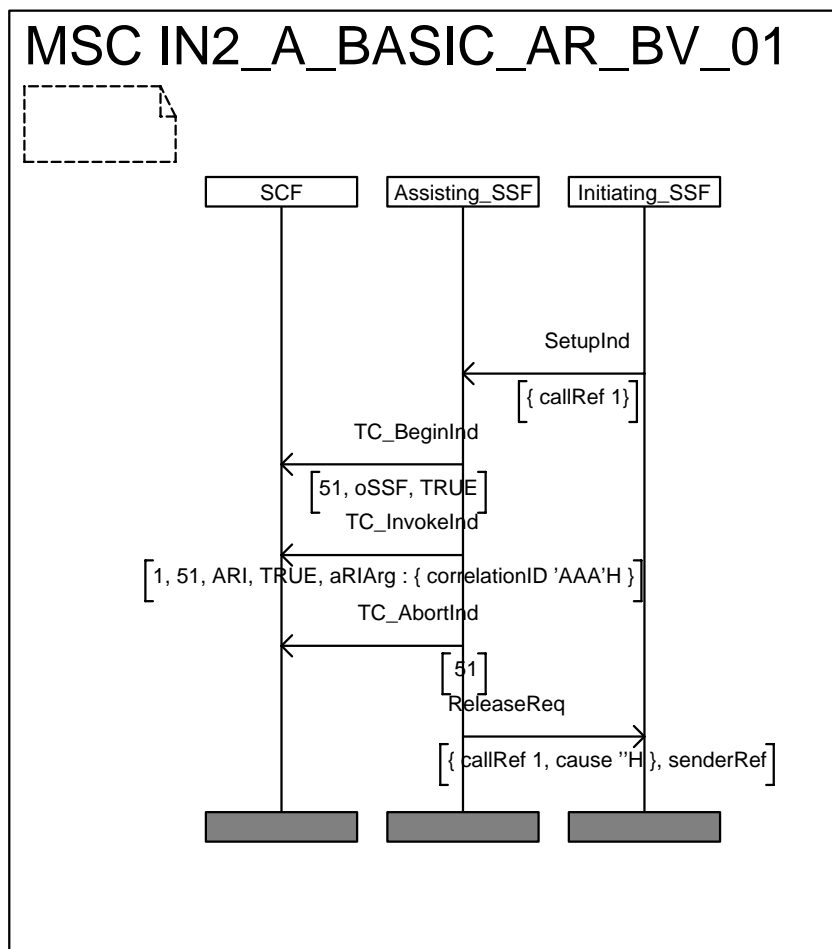
IN2_A_BASIC_AR_CA_01	
<b>Purpose:</b>	Test of <b>AssistRequestInstructions</b> procedure
<b>Requirement ref</b>	
<b>Selection Cond.</b>	
<b>Preamble:</b>	none
<b>Test description</b>	A sends to IUT an assist indication
<b>Pass criteria</b>	- Check that IUT sends to SCF an <b>AssistRequestInstructions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

## MSC IN2\_A\_BASIC\_AR\_CA\_01





IN2_A_BASIC_AR_BV_01	
<b>Purpose:</b>	Test of <b>AssistRequestInstructions</b> procedure with SSF timeout
<b>Requirement ref</b>	
<b>Selection Cond.</b>	
<b>Preamble:</b>	none
<b>Test description</b>	<ul style="list-style-type: none"> <li>- A sends to IUT an assist indication</li> <li>- IUT sends to SCF an <b>AssistRequestInstructions</b> invoke containing parameter <ul style="list-style-type: none"> <li>- correlationID</li> </ul> </li> </ul>
<b>Pass criteria</b>	- Check that after Tssf expiration, IUT aborts the dialogue and releases A
<b>Postamble:</b>	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	"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
	PIX_RouteSelectFailure2Cause	Cause	"xx"H	0C
	PIX_ScflD	ScflD	"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

Item	Parameter	Parameter type	Explanation/Format	Value
	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

<b>Document history</b>		
V1.1.2	June 1999	Public Enquiry PE 9947: 1999-06-23 to 1999-11-19