

**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)**



Reference

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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 Public Enquiry phase of the ETSI standards Two-step Approval Procedure.

The present document is part 3, sub-part 2 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]".

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Date of latest announcement of this EN (doa):	3 months after ETSI publication
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1 Scope

The present document contains the Test Suite Structure and Test Purposes (TSS&TP) for Call Party Handling (CPH), part of CoreINAP CS2. It complements the initial document EN 301 140-3-1 dedicated to general introduction and TSS&TPs for CoreINAP CS1.

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] 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 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:

BCSM	Basic Call State Model
CCF	Call Control Function
CPH	Call Party Handling
CS	Capability Set
CS	Call Segment
CV	Connection View
INAP	Intelligent Network Application Protocol
MSC	Message Sequence Chart
PDU	Protocol Data Unit
PIXIT	Protocol Implementation eXtra Information for Testing
SCF	Service Control Function
SDL	Service and Description Language
SRF	Specialized Resource Function
SSF	Service Switching Function
SSP	Service Switching Point
TCAP	Transaction Capabilities Application Part

TP	Test Purpose
TSS	Test Suite Structure
TTCN	Tree and Tabular Combined Notation

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 TSS and TP for CPH functions

7.0 Introduction

The Call Party Handling (CPH) includes a set of operations related to the call handling at the switch. The whole functionality of the CPH operations is presented by means of the four Core Capabilities (ITU-T Recommendation Q.1224):

- Core Capability one: allows the user to enter information during a midcall event.
- Core Capability two: is the ability of the SSF/CCF to connect a call party to an external resource to perform a transfer.
- Core Capability three is the ability of the SSF/CCF to present the current call view to the SCF.
- Core Capability four: is the ability of the SSF/CCF to combine separate calls into one a single call.

The Test Purposes related to CPH are classified into 3 categories:

- 1) TP for the test of Conformance of each CPH procedure: this forms a set of TPs testing the basic functionality of CPH operations.
- 2) TP for the test of the Switch capabilities: a group of TPs that tests the switch capability of handling different calls at the same time.
- 3) Arming/Detecting rules.

7.1 Preambles and postambles for CPH

7.1.1 Names of preambles and postambles

CPH requires a large set of preambles. Due to the complexity of their description, the Connection View (CV) model is used for an understanding of the configuration, referring to the following CV objects:

- CallSegmentAssociation (always initial);
- CallSegment;
- Connection point;
- Legs.

NOTE 1: The controlling leg can be either joined, shared or surrogate. The controlling leg identifies the physical access to the end user.

NOTE 2: The legs are named by the LegId, and there is an unique correspondence between a LegId and a BCSM.

Restrictions: The test configuration is limited to three passive legs within a call segment, and three call segments within a call segment association.

Comment on T preambles: The preamble T_OS (and all preambles and test cases which use this preamble) contains reference to an ASP Mgt_SetTriggerTable. This does not exist in the protocol, but in the SDL model it identifies which Trigger Detection points need to be set before commencing the test case.

Based on these considerations, using the naming conventions indicated in subclause 4.5.4 of EN 301 140-3-1 [1], and in addition to the CS1 preambles, which are:

O_OS_null_null;

O_S2P_null_null.

CPH uses the following preambles:

- Originating
 - O_OH(1)_S2P_null(1)
 - O_OH(1)_OH(1)_S2P
 - O_null_OH(2)_S2P
 - O_null_OH(2)_S2P_controlling (To test the event report rules)
 - O_null_OH(2)_S2P_passive (To test the event report rules)
 - O_null_S2P_OH(3)
 - O_S2P_OH(1)_OH(3)
 - O_S2P_OH(2)_OH(3)
 - O_S2P_OH(3)_OH(3)
 - O_null_S3P_null
 - O_null_S3P_OH(3)
 - O_null_null_S4P
 - O_null_null_S4P_controlling (To test the event report rules)
 - O_null_null_S4P_passive (To test the event report rules)

- O_null_S4P_OH(3)
- Terminating
 - T_TS_null_null
 - T_S2P_null_null
 - T_S2P_null_null_controlling (To test the event report rules)
 - T_S2P_null_null_passive (To test the event report rules)
 - T_OH(1)_S2P_null
 - T_null_OH(2)_S2P
 - T_null_S3P_null
 - T_null_null_S4P
 - T_null_null_S4P_controlling (To test the event report rules)
 - T_null_null_S4P_passive (To test the event report rules)
 - T_TF(2)_null_null
 - Initiate Call Attempt (network initiated)
 - I_S1P_null_null
 - I_null_TF(2)_null
 - I_null_TF(2)_null_passive(To test the event report rules)
 - I_null_null_TF(3)
 - I_S1P_S1P_null
 - I_S1P_S1P_null_passive(To test the event report rules)
 - I_null_TF(2)_S1P
 - I_S1P_S1P_S1P

7.1.2 Preamble trees

Each preamble is composed of a limited set of operations (listed below) with the indication of the main parameters used. These operations are shown in the preamble descriptions.

- CWA (ContinueWithArgument): CsId;
- CON (Connect): LegToBeCreated (default = 2), CsID;
- ICA (InitiateCallAttempt): LegToBeCreated (default = 1), newCallSegment (default = 1);
- MC (MergeCallSegments): sourceCallSegment, targetCallSegment;
- SL (SplitLeg): LegToBeSplit, newCallSegmentID;
- IDP (Initial Detection Point): trigger;
- RRB (RequestReportBCSMEvent): LegID, eventTypeBCSM.

Each operation shows the value of the required parameters, knowing that the leg numbers successively take the values 1, 2, 3, etc. In the case of CS, the same number is reused when a CS returns to idle following a mergeCallSegment.

The preamble trees are defined in subclause 7.1.6, where each branch or each preamble is numbered 1, 2, 3, etc., except when there is an alternative or a node of two possible branches, which are then numbered 4-1 and 4-2 for example.

Each preamble shows the state from where it starts (idle or a different state reached by the execution of another preamble), then it shows the operations executed in this preamble and finally the state or configuration reached, using the notation described above.

7.1.3 TTCN-like notation for preamble description

The notation used to describe the trees and the required operations to move from one preamble to the next one, is a TTCN-like notation, showing what is sent (character !) and received (character ?) by the co-ordination points (CPs) addressing either Signalling Control or user A (CP1-1) or B (CP1-2) or C (CP1-3), etc., or by the main tester L1 playing the role of the SCF.

7.1.4 Representation of preamble/postamble and test purposes using MSCs

In addition to the TTCN-like notation, an MSC is drawn from the SDL simulator to represent each preamble or postamble. For each test purpose, an MSC is also given, in addition to the tabular description of each TP.

Each MSC shows the interface between SCF and SSF using TCAP primitives, and the signalling control points. As there can be any number of signalling control points (from 1 up to 8), the MSC shows SigCon A in one column, while all the other SigCon are merged in a second column. The parameter CallRef number makes it possible to identify the SigCon concerned, SigCon B being number 2, SigCon C being 3, etc.

7.1.5 How to interpret the parameters and their values as used in the MSCs

The MSCs show the exchanges of PDUs of the TCAP protocol, as well as the Core INAP protocol. PDUs of both protocols use parameters.

The list of the parameters for the Core INAP protocol is given in reference [1].

The list of parameters for the TCAP protocol is repeated here for each TCAP primitive. Note that only mandatory parameters are used.

TCAP primitives from SCF to TCAP:

TC_InvokeReq (InvokeID, DialogueID, Class, OperationCode, Timeout);

TC_BeginReq (DialogueID, OriginatingAddress);

TC_ContinueReq (DialogueID, OriginatingAddress);

TC_EndReq (DialogueID, Termination);

TC_AbortReq (DialogueID).

TCAP primitives from TCAP to SCF:

TC_InvokeInd (InvokeID, DialogueID, Class, OperationCode, LastComponent);

TC_BeginInd (DialogueID, OriginatingAddress, ComponentPresent);

TC_ContinueInd (DialogueID, OriginatingAddress, ComponentPresent);

TC_EndInd (DialogueID, Termination, ComponentPresent);

TC_AbortInd (DialogueID);

TC_ErrorInd (InvokeID, DialogueID, ErrorCode, LastComponent);

TC_ReturnResultInd (InvokeID, DialogueID, LastComponent, OperationCode, OperationArg);

TC_RejectInd (InvokeID, DialogueID).

The values of these parameters are either mandatory and imposed by the specifications, or they are informative only and chosen arbitrarily in ranges compatible with the specifications.

The list of the informative parameters, for which a value is to be assigned in particular for the execution of a test suite, is included in the PIXIT proforma.

Annex B and Annex C of the present document contain a copy of the PIXIT proforma parameter tables of respectively the TCAP and the Core INAP protocols. These proforma tables are filled up and contain the parameter values used for the definition of the MSCs and TPs.

7.1.6 Preamble descriptions

7.1.6.1 O (originating) preamble tree

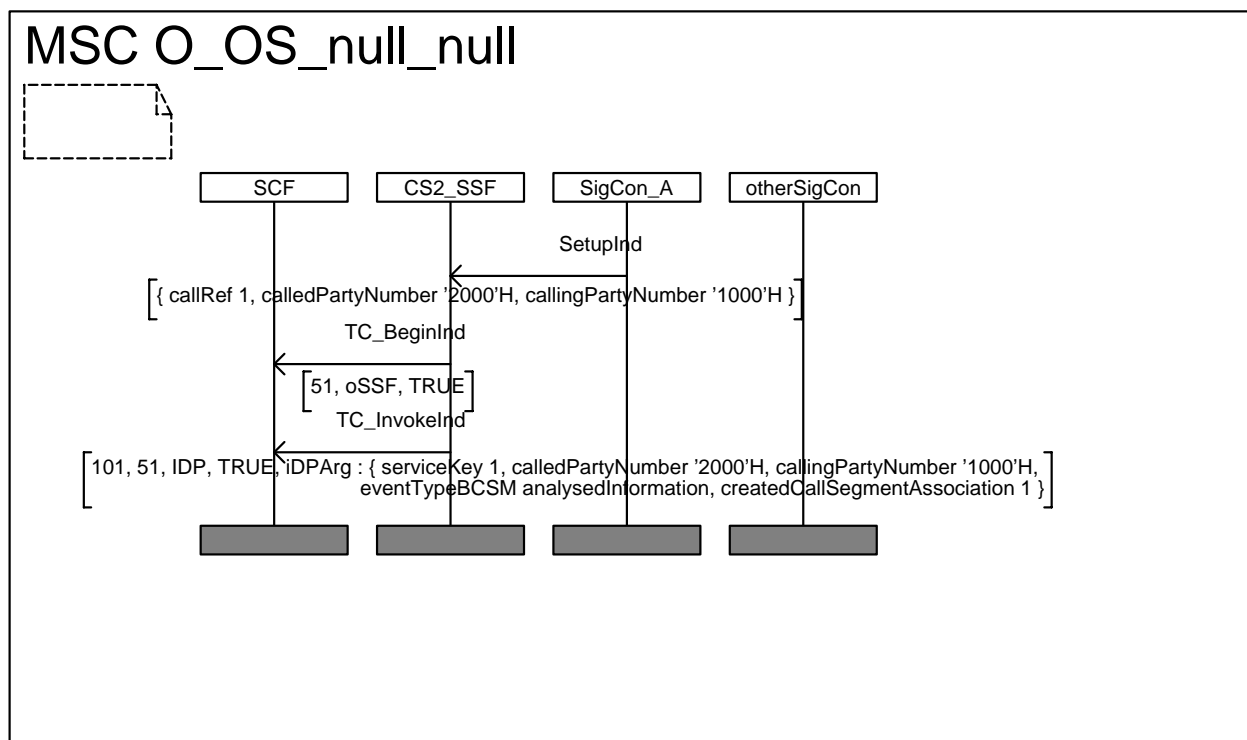
Preamble O_OS_null_null

O_null

CP1-1! SetUpInd

L1? InitialDP

O_OS_null_null



2 - Preamble O_S2P_null_null

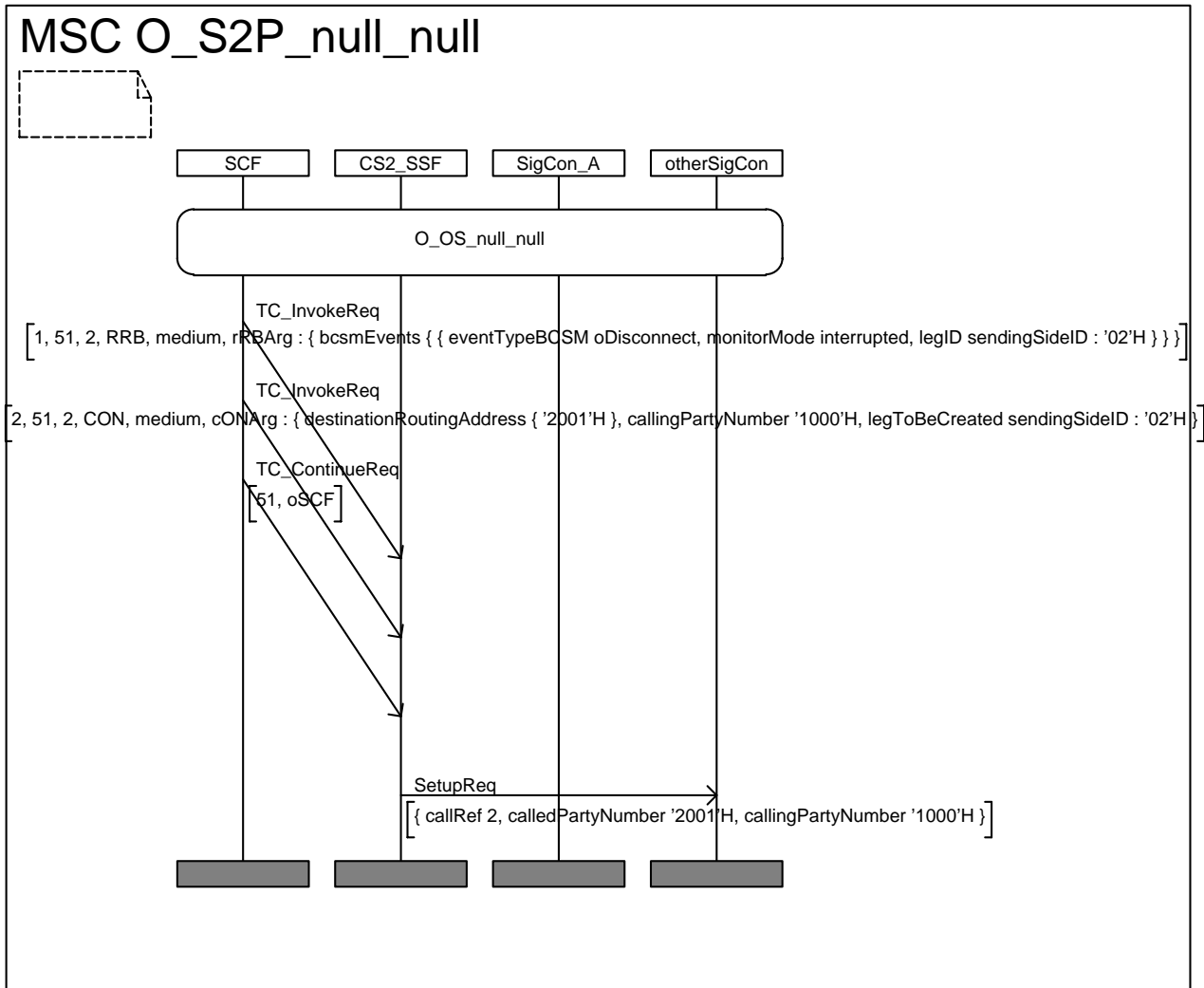
O_OS_null_null

L1! RequestReportBCSMEvent(2,oDisconnect)

L1! Connect(2,1)

CP1-2? SetUpReq

O_S2P_null_null



3 - Preamble O_OH(1)_S2P_null

O_S2P_null_null

L1! SplitLeg(1,2)

L1?SplitLegReturnResult

L1! ContinueWithArgument (CsID = 1)

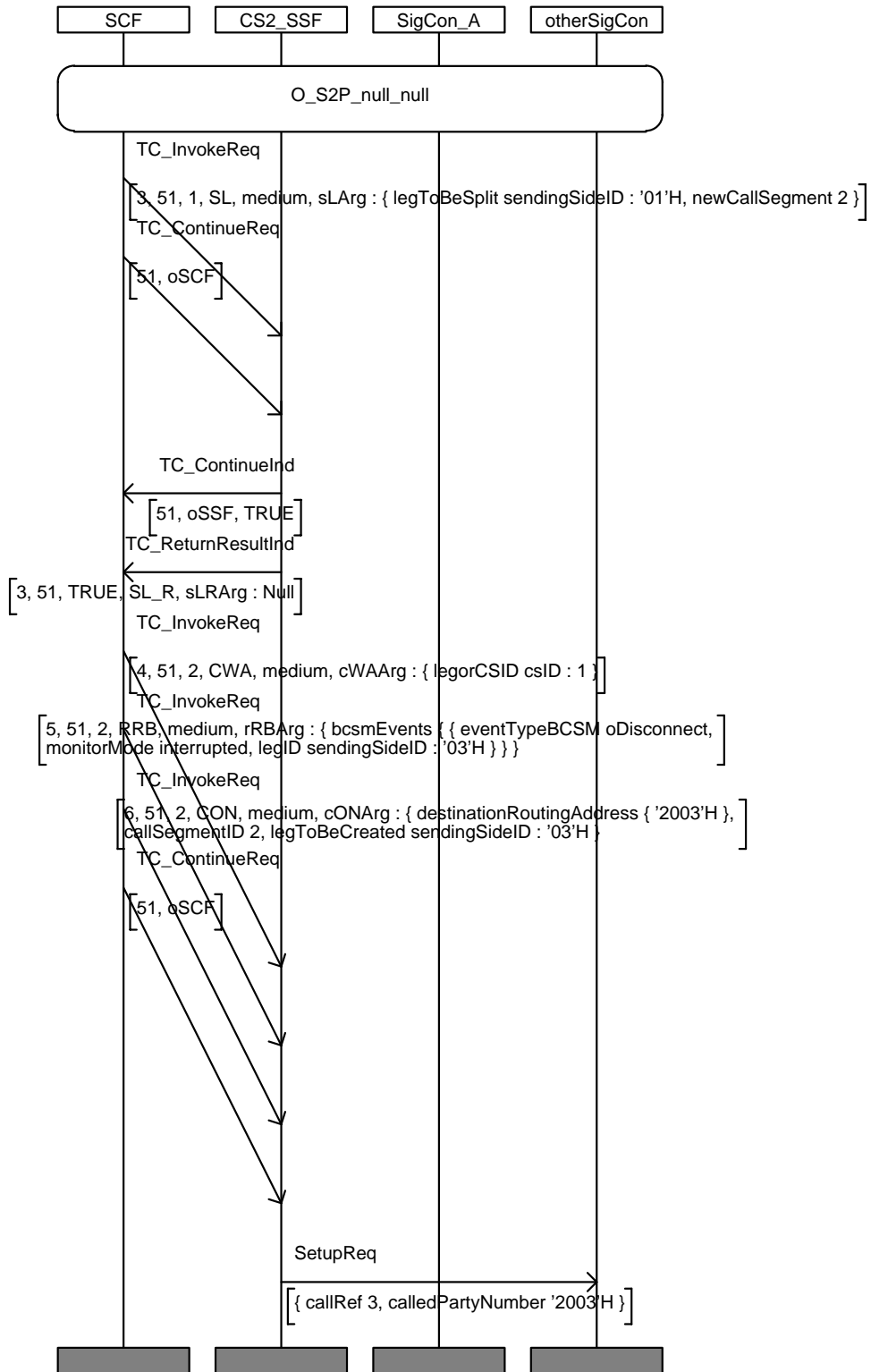
L1! RequestReportBCSMEvent(3,oDisconnect)

L1! Connect(3,2)

CPI-3? SetUpReq

O_OH(1)_S2P_null

MSC O_OH1_S2P_null



4 1 - Preamble O_OH(1)_OH(1)_S2P

O_OH(1)_S2P_null

L1! SplitLeg(1,3)

L1?SplitLegReturnResult

L1! ContinueWithArgument (CsID = 2)

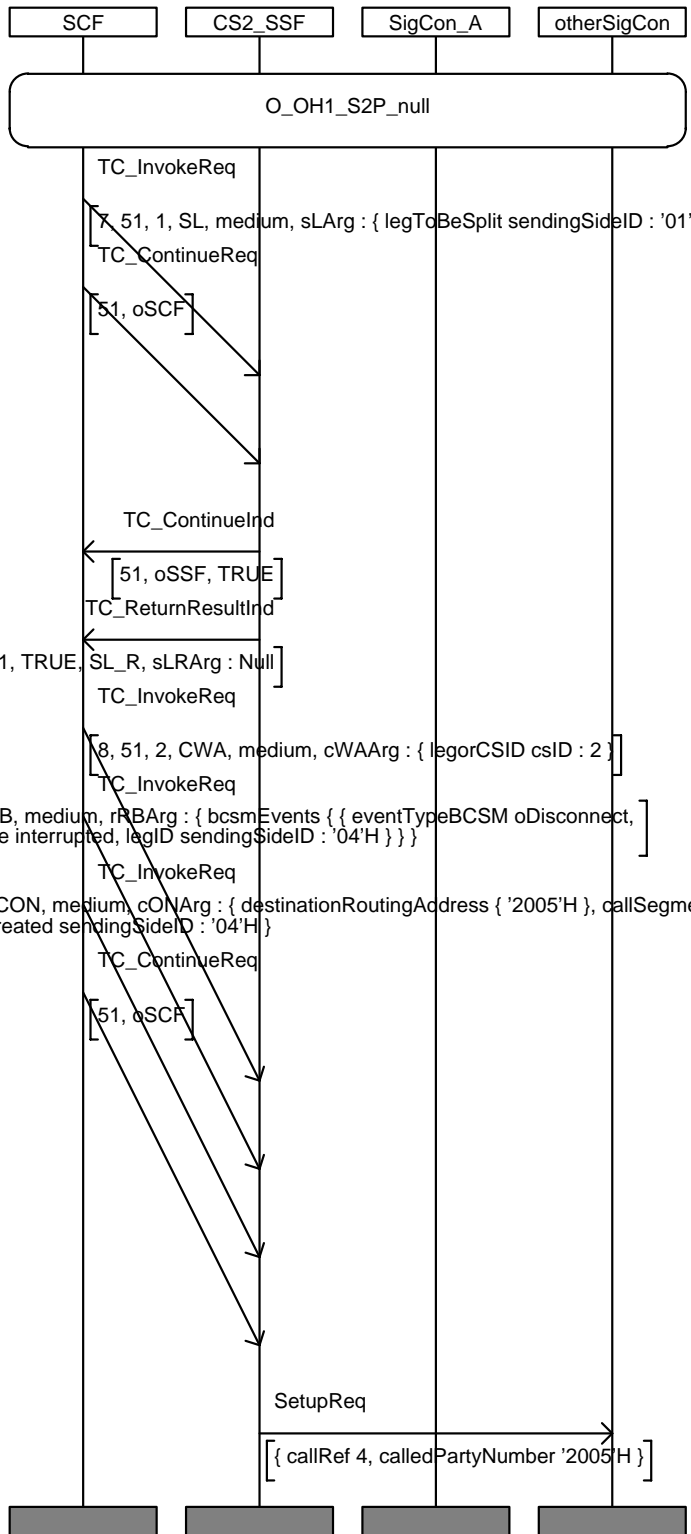
L1! RequestReportBCSMEvent(4,oDisconnect)

L1! Connect(4,3)

CP1-4? SetUpReq

O_OH(1)_OH(1)_S2P

MSC O_OH1_OH1_S2P



5 - Preamble O_null_OH(2)_S2P

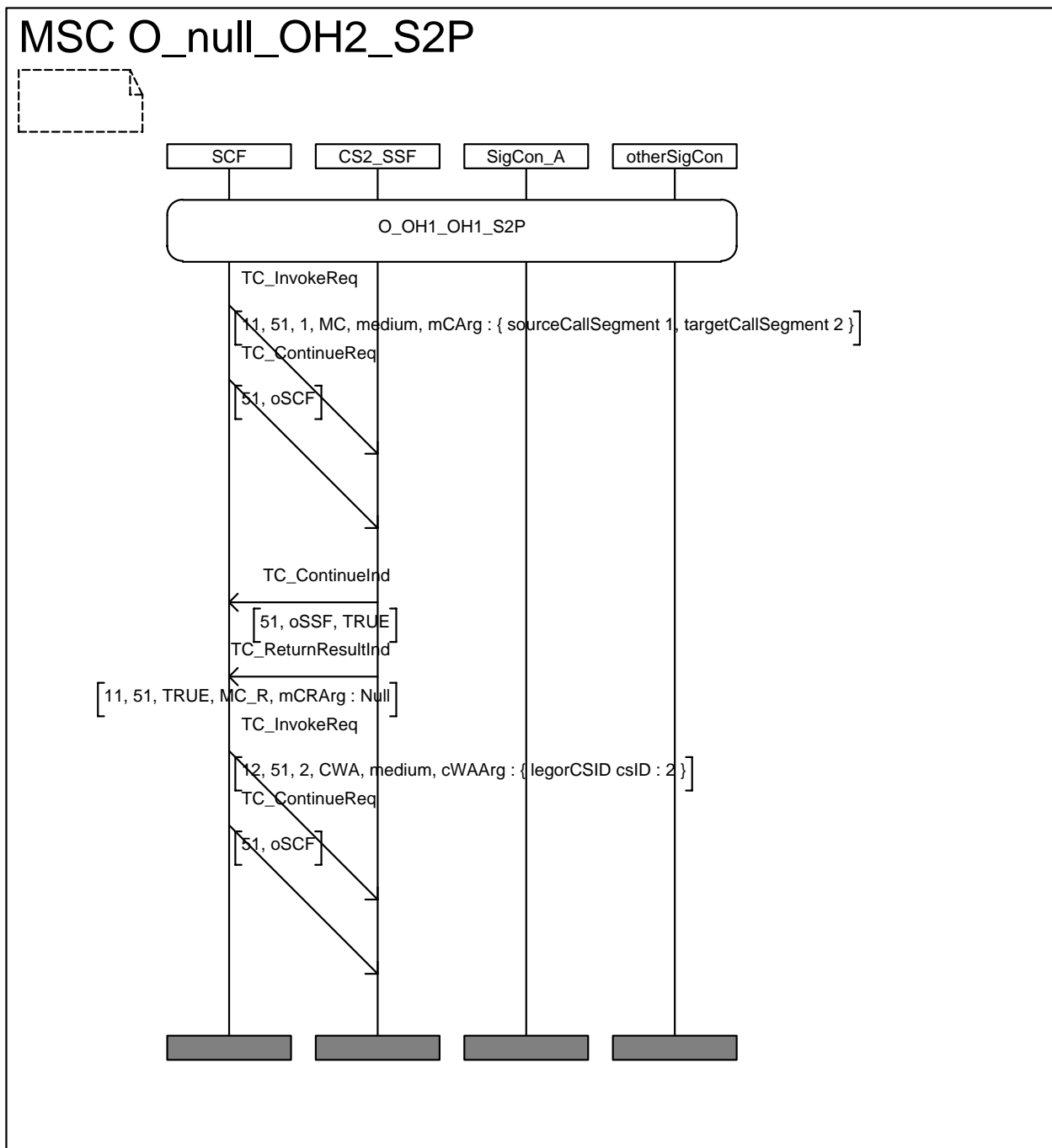
O_OH(1)_OH(1)_S2P

L1! MergeCallSegments(1,2)

L1?MergeCallSegmentsReturnResult

L1! ContinueWithArgument(CSID=2)

O_null_OH(2)_S2P



6 - Preamble O_null_null_S4P

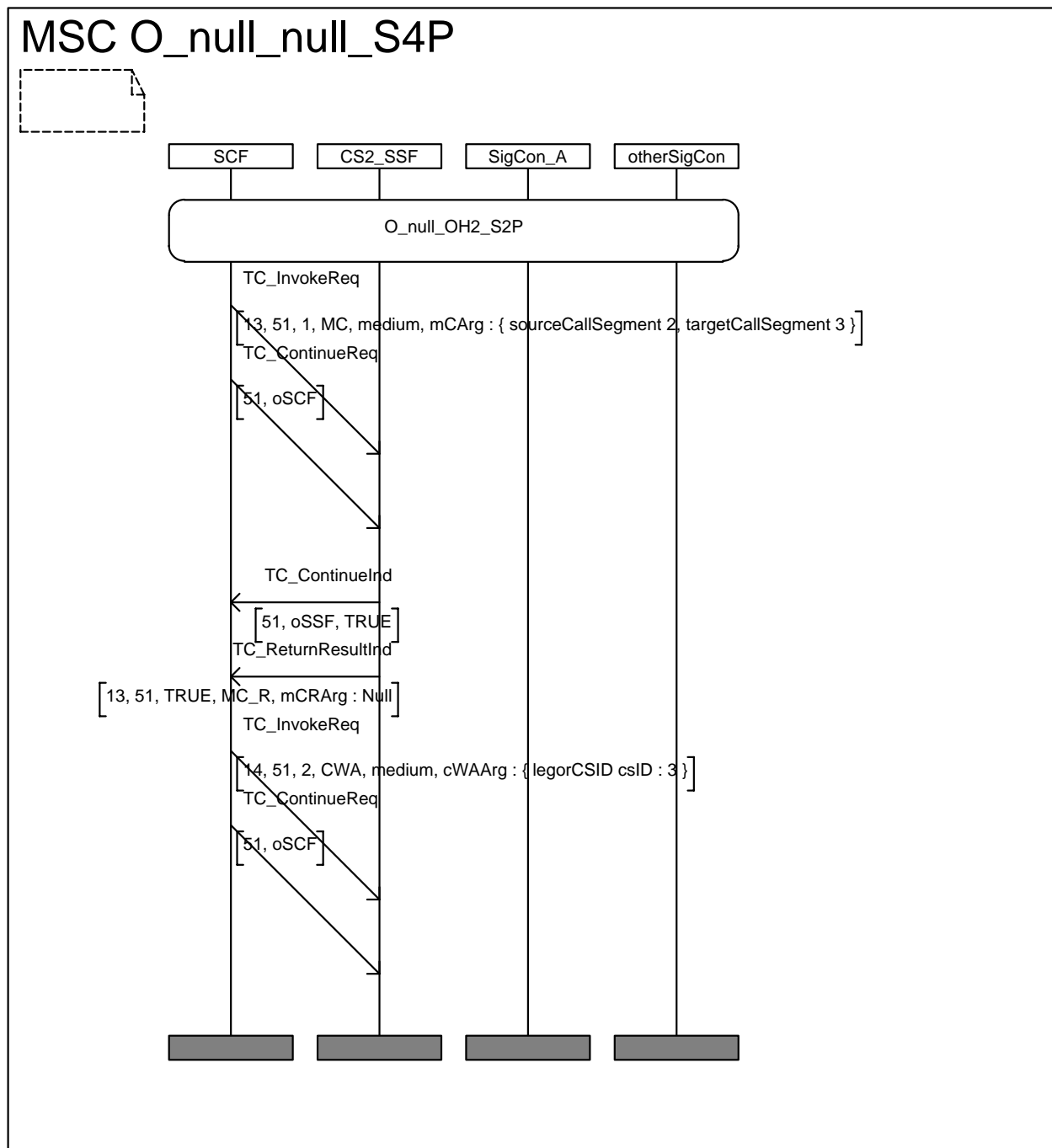
O_null_OH(2)_S2P

L1! MergeCallSegments(2,3)

L1?MergeCallSegmentsReturnResult

L1! ContinueWithArgument(CsId=3)

O_null_null_S4P



7 - Preamble O_null_S2P_OH(3)

O_null_null_S4P

L1! SplitLeg(1,2)

L1?SplitLegReturnResult

L1! ContinueWithArgument (CsID = 3)

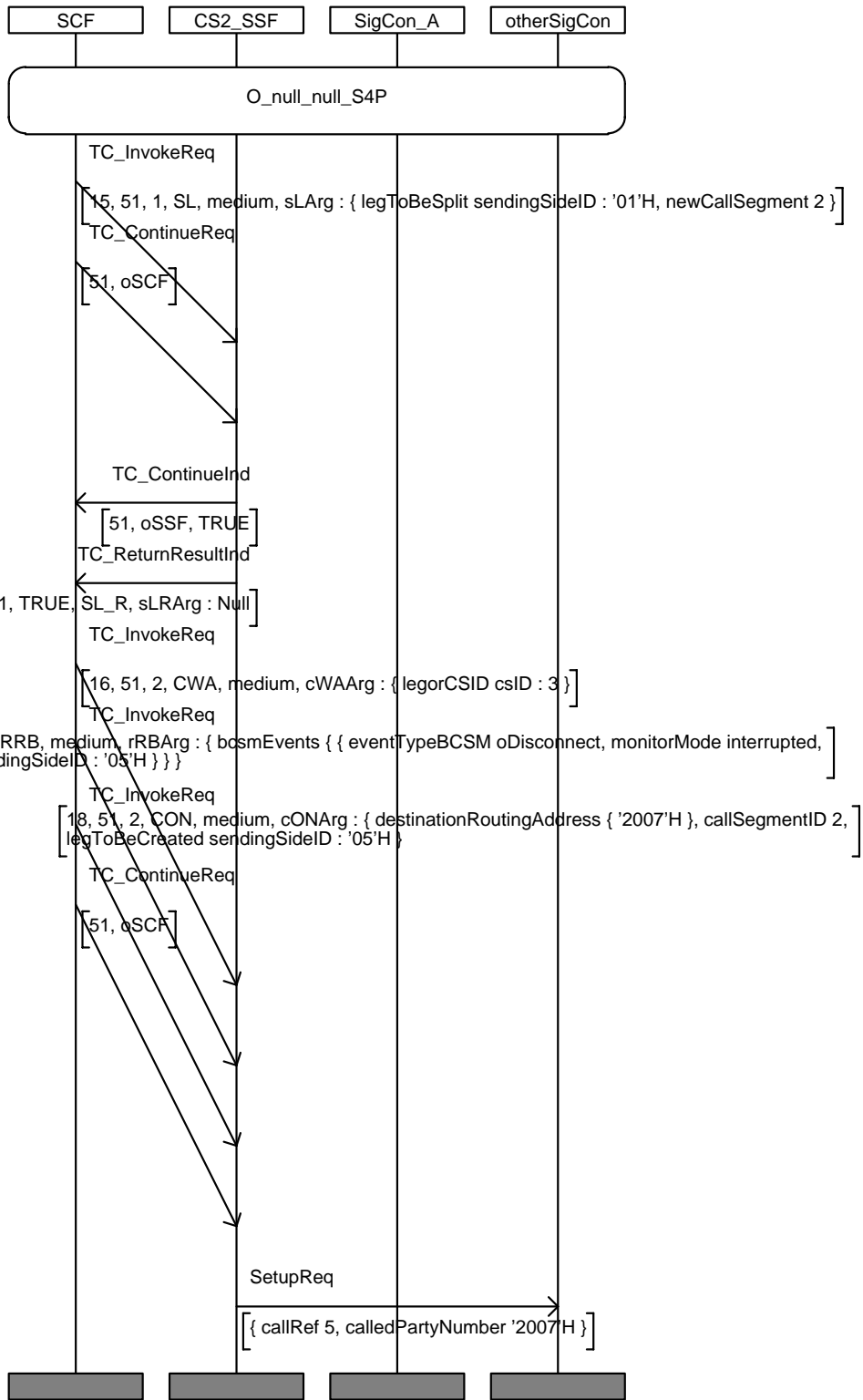
L1! RequestReportBCSMEEvent(5,oDisconnect)

L1! Connect(5,2)

CP1-5? SetUpReq

O_null_S2P_OH(3)

MSC O_null_S2P_OH3



8 - Preamble O_S2P_OH(1)_OH(3)

O_null_S2P_OH(3)

L1! SplitLeg(1,1)

L1?SplitLegReturnResult

L1! ContinueWithArgument (CsID = 2)

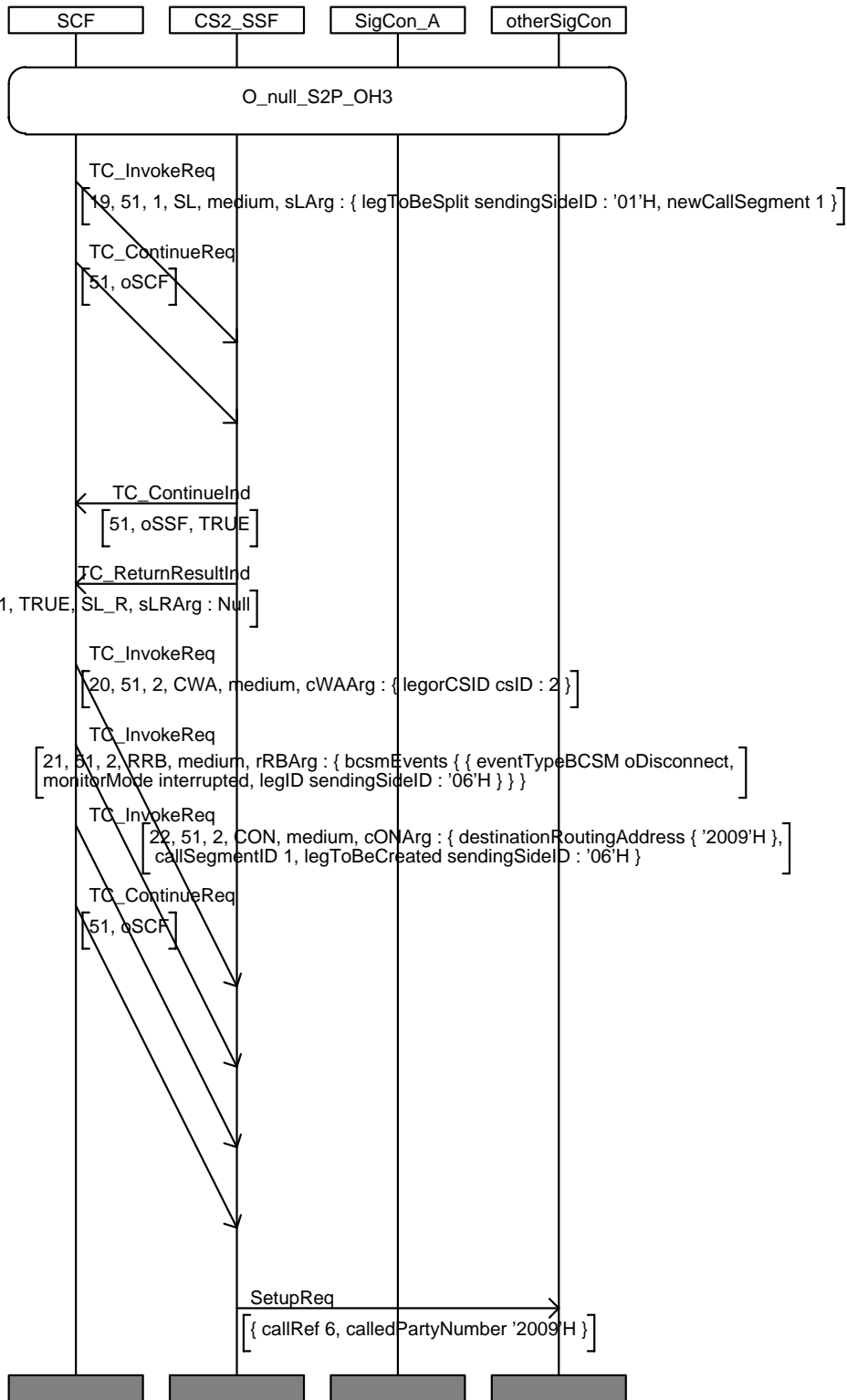
L1! RequestReportBCSMEEvent(6,oDisconnect)

L1! Connect(6,1)

CPI-6? SetUpReq

O_S2P_OH(1)_OH(3)

MSC O_S2P_OH1_OH3



9 - Preamble O_null_S3P_OH(3)

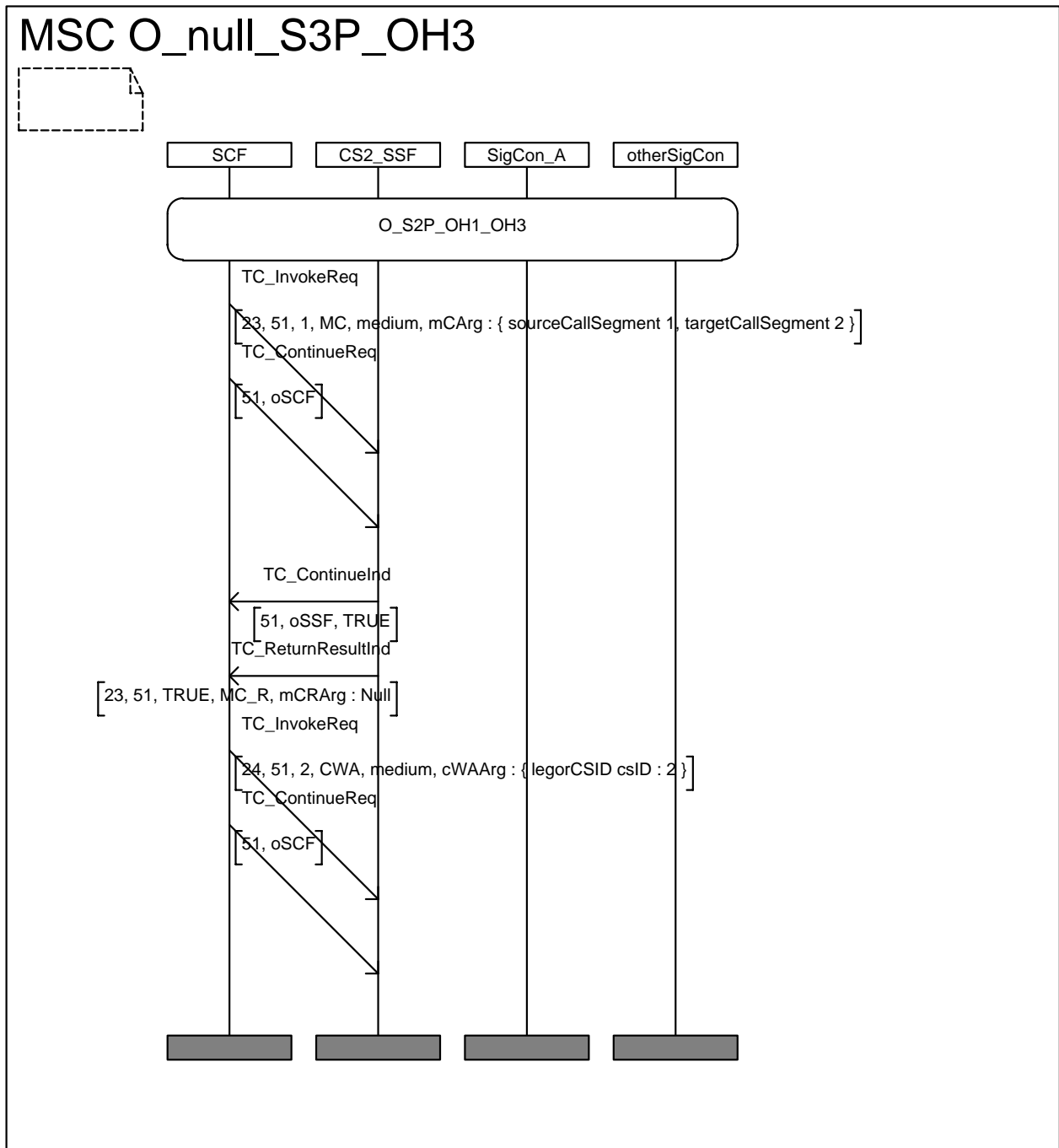
O_S2P_OH(1)_OH(3)

L1! MergeCallSegments(1,2)

L1?MergeCallSegmentsReturnResult

L1! ContinueWithArgument(CSId=2)

O_null_S3P_OH(3)



10 - Preamble O_S2P_OH(2)_OH(3)

O_null_S3P_OH(3)

L1! SplitLeg(1,1)

L1?SplitLegReturnResult

L1! ContinueWithArgument (CsID = 2)

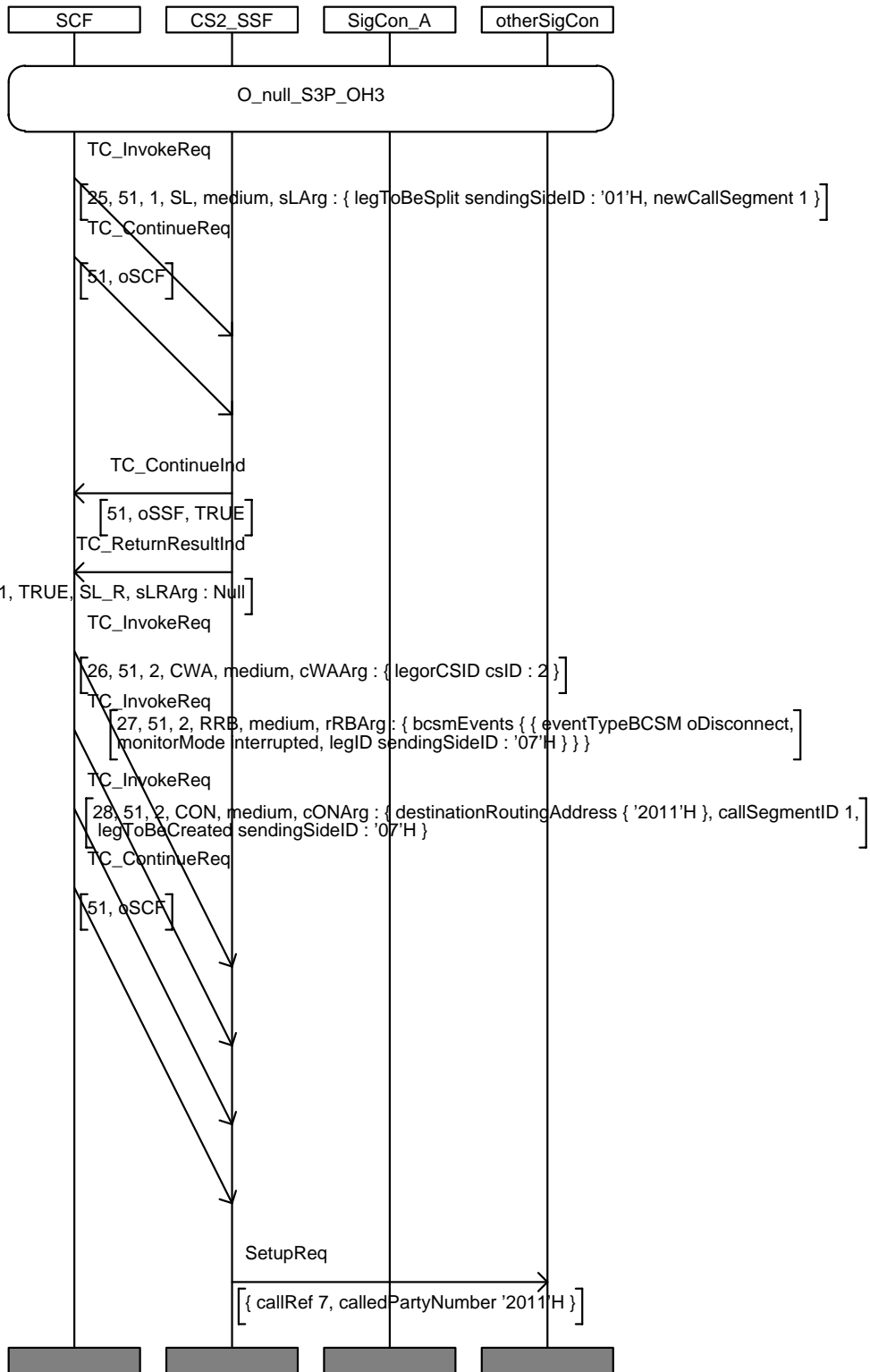
L1! RequestReportBCSMEEvent(7,oDisconnect)

L1! Connect(7,1)

CP1-7? SetUpReq

O_S2P_OH(2)_OH(3)

MSC O_S2P_OH2_OH3



11 - Preamble O_null_S4P_OH(3)

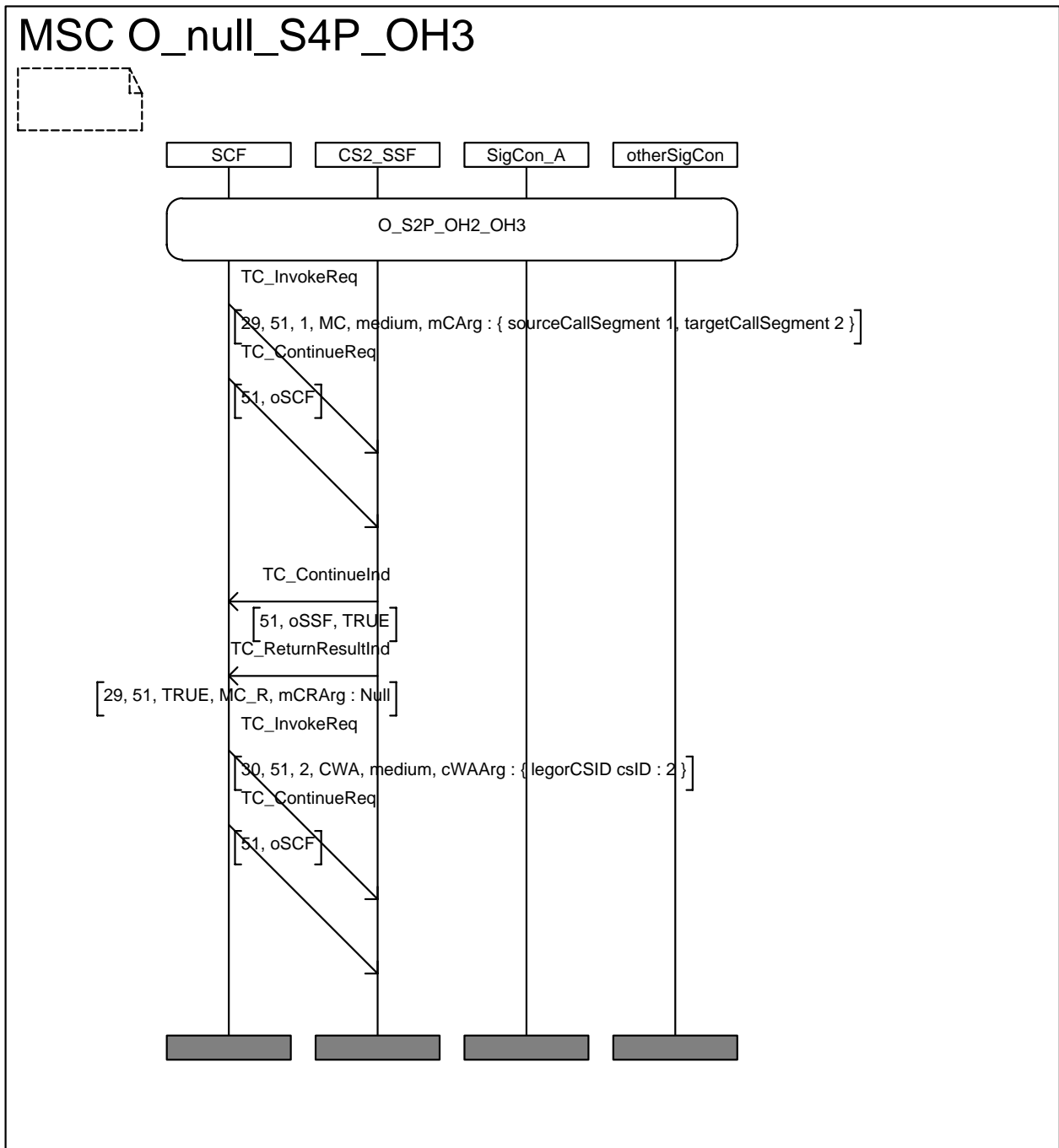
O_S2P_OH(2)_OH(3)

L1! MergeCallSegments(1,2)

L1?MergeCallSegmentsReturnResult

L1! ContinueWithArgument(CsId=2)

O_null_S4P_OH(3)



12 - Preamble O_S2P_OH(3)_OH(3)

O_null_S4P_OH(3)

L1! SplitLeg(1,1)

L1?SplitLegReturnResult

L1! ContinueWithArgument (CsID = 2)

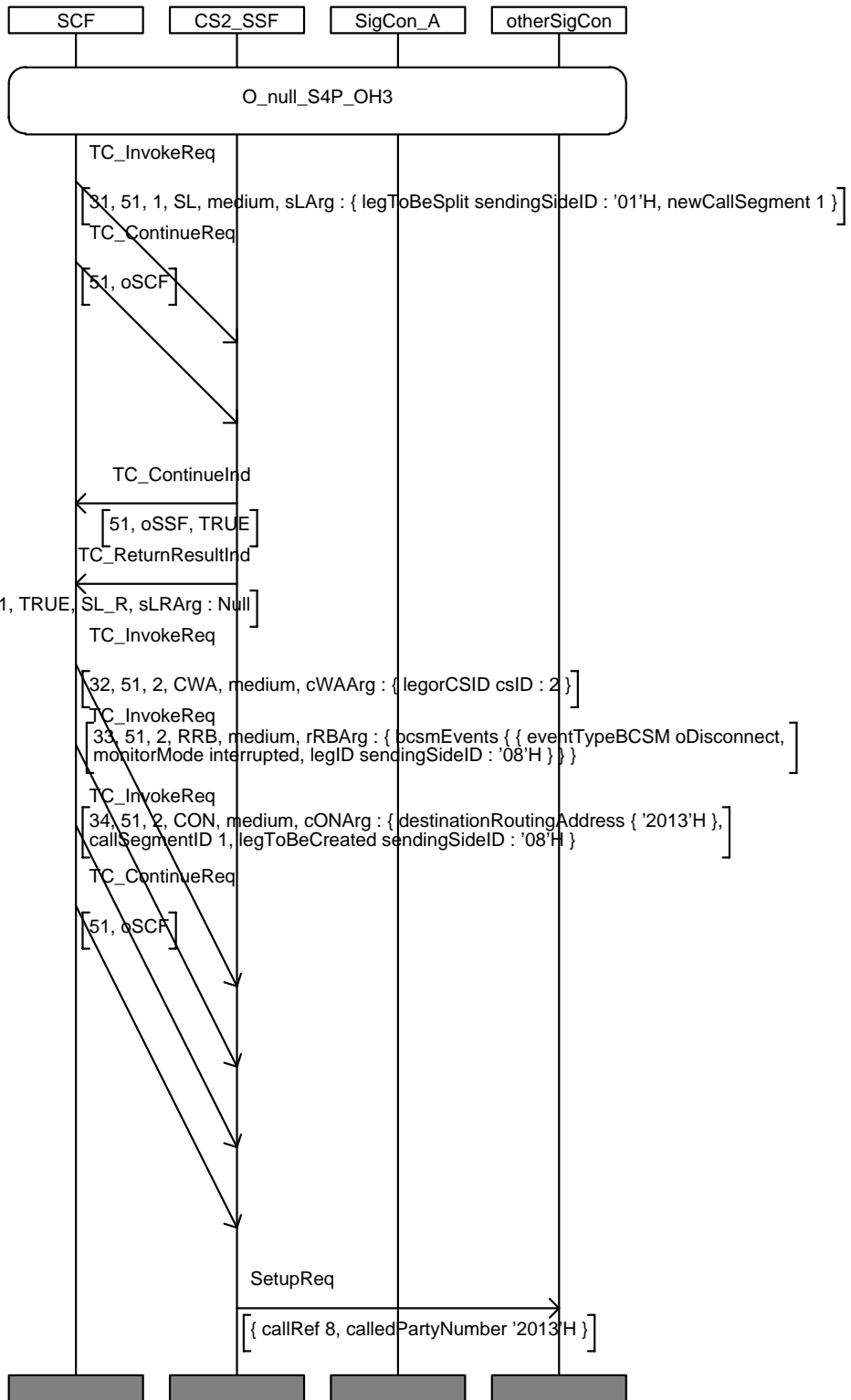
L1! RequestReportBCSMEEvent(8,oDisconnect)

L1! Connect(8,1)

CP1-8? SetUpReq

O_S2P_OH(3)_OH(3)

MSC O_S2P_OH3_OH3



4-2 - Preamble O_null_S3P_null

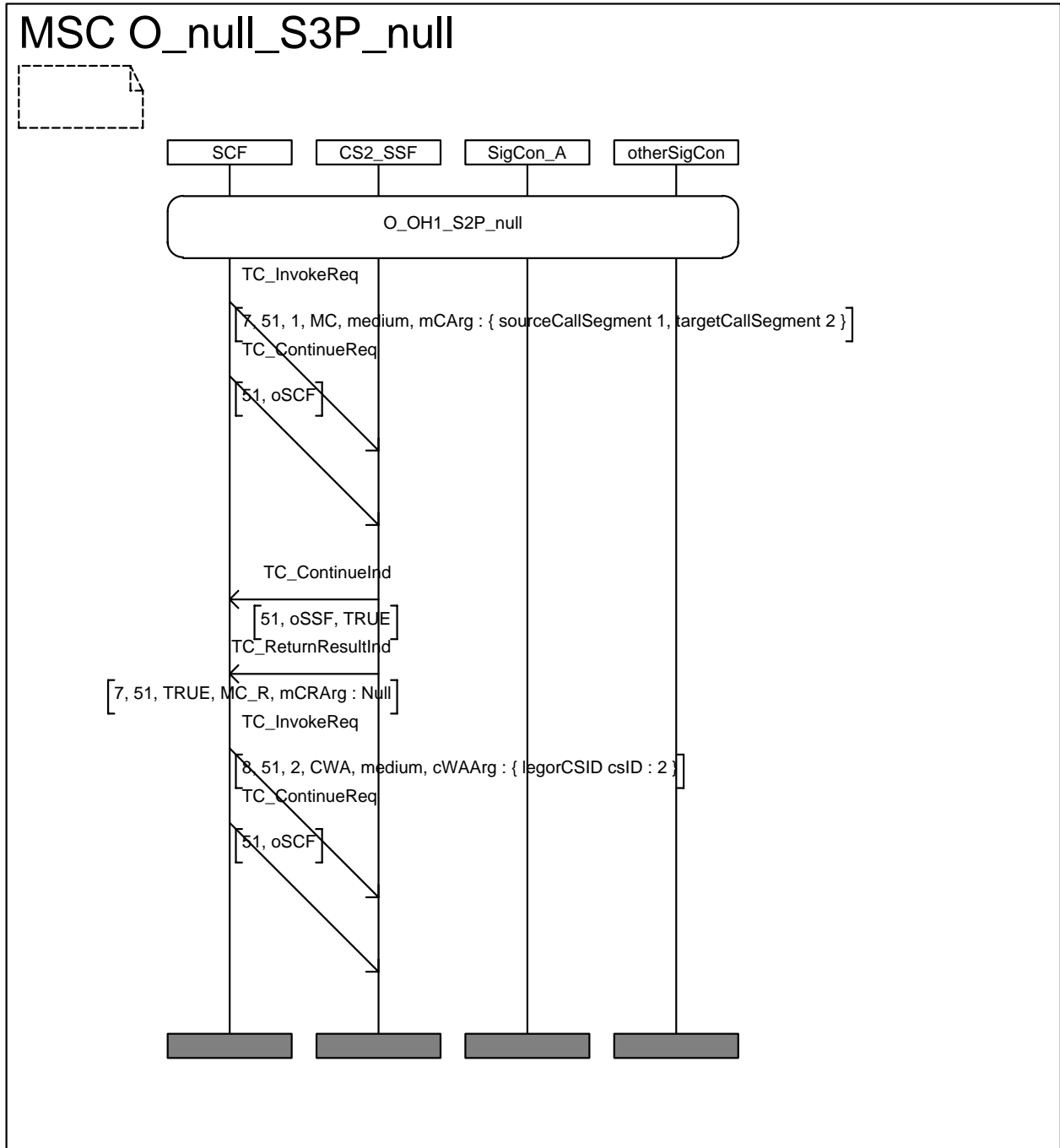
O_OH(1)_S2P_null

L1! MergeCallSegments(1,2)

L1?MergeCallSegmentsReturnResult

L1! ContinueWithArgument(CsId=2)

O_null_S3P_null



7.1.6.2 T (terminating) preamble tree

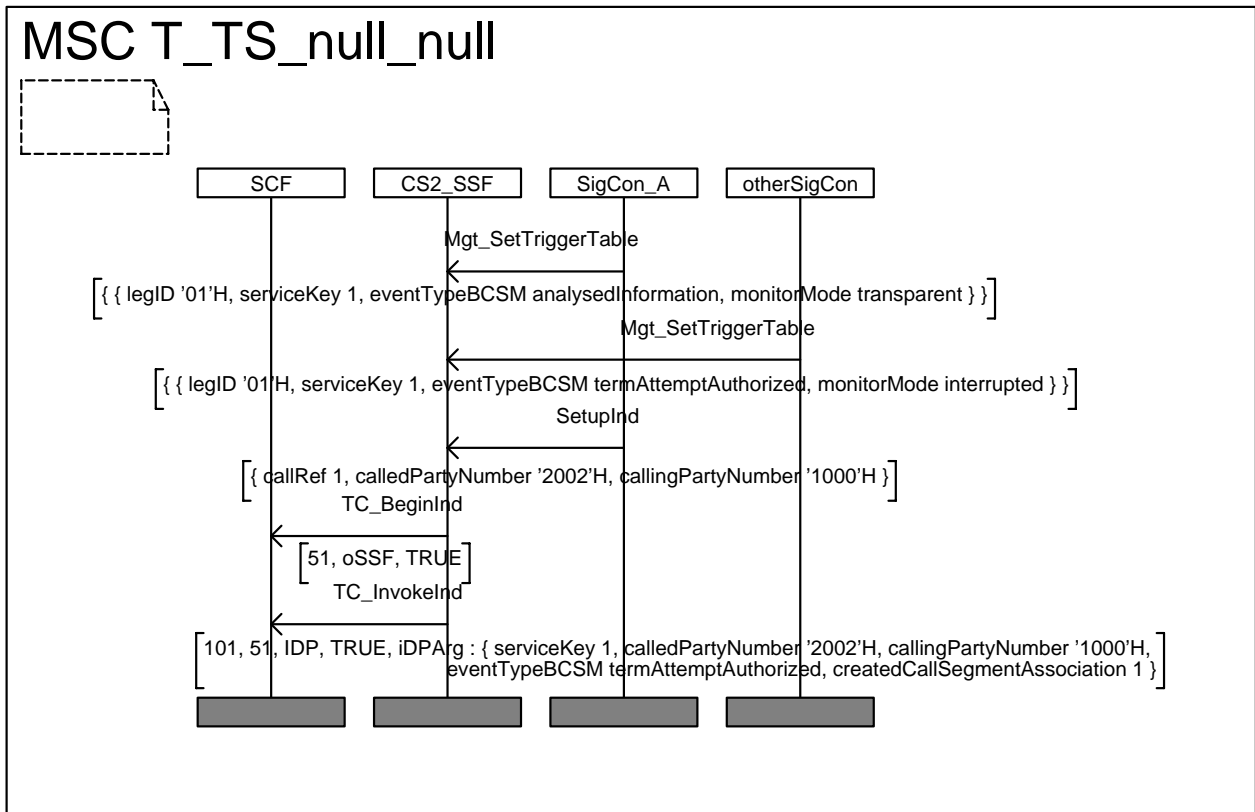
1-1 - Preamble T_TS_null_null

T_null_null_null

CPI-1! SetupInd

L1? IDP(termAttemptAuthorized)

T_TS_null_null



1-2 - Preamble T_S2P_null_null

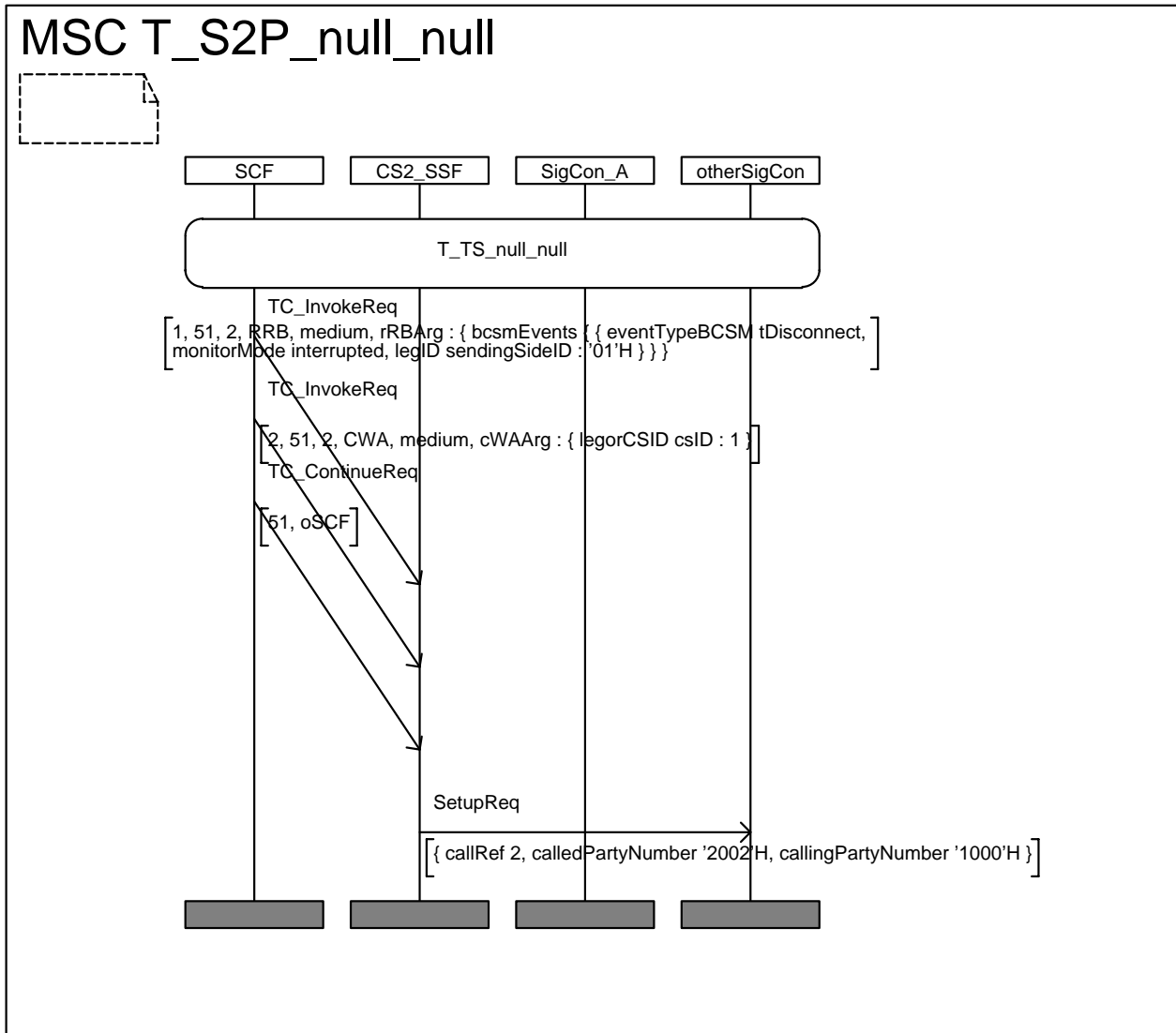
T_TS_null_null

L1! RequestReportBCSM(1, tDisconnect)

L1! ContinueWithArgument(CsId=1)

CPI-2? SetupReq

T_S2P_null_null



1-3 - Preamble T_OH(1)_S2P_null

T_S2P_null_null

L1! SplitLeg(2,2)

L1?SplitLegReturnResult

L1! ContinueWithArgument (CsID = 1)

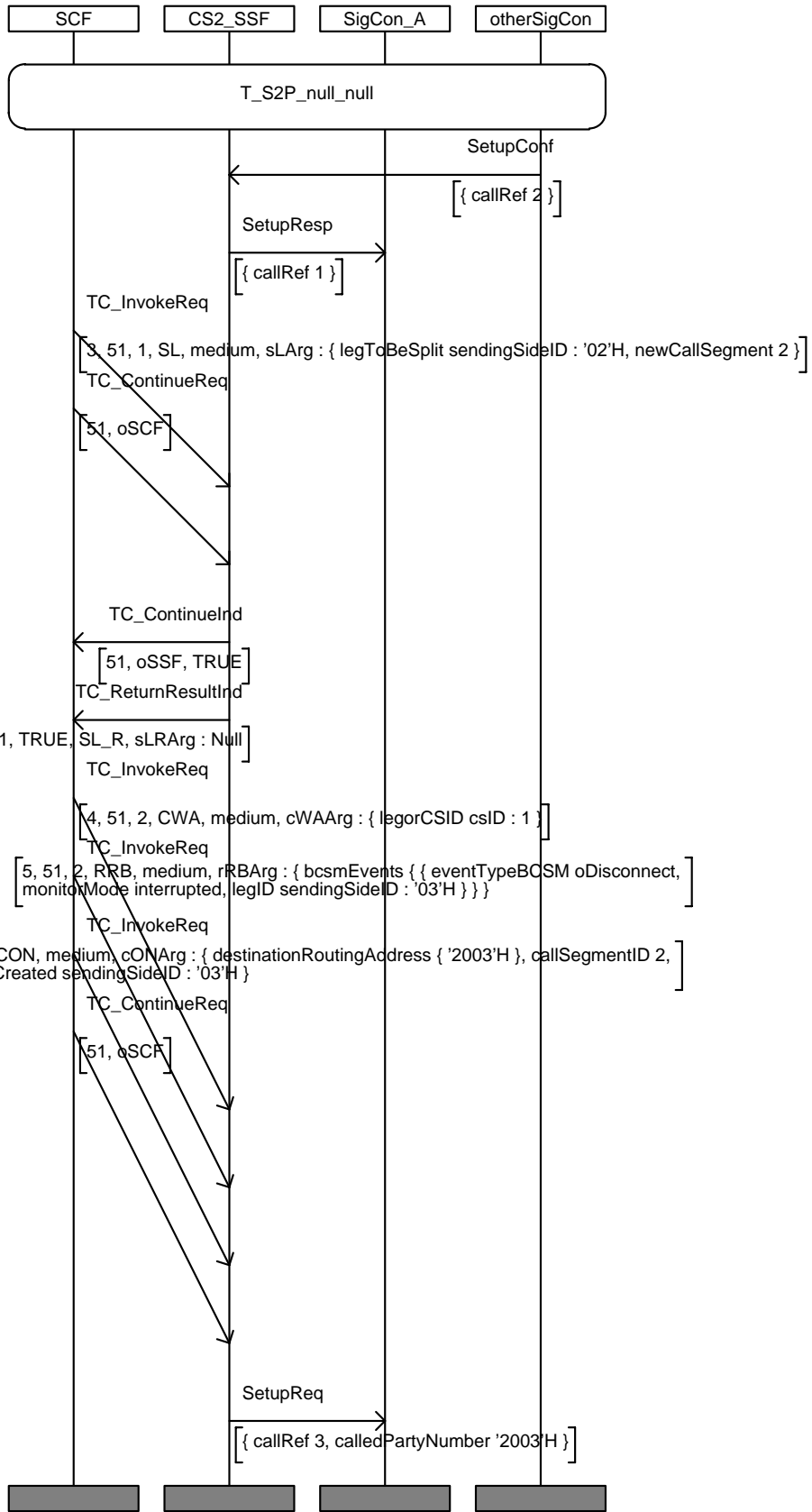
L1! RequestReportBCSMEvent(3,oDisconnect)

L1! Connect (3,2)

CPI-3? SetUpReq

T_OH(1)_S2P_null

MSC T_OH1_S2P_null



1-4 - Preamble T_null_S3P_null

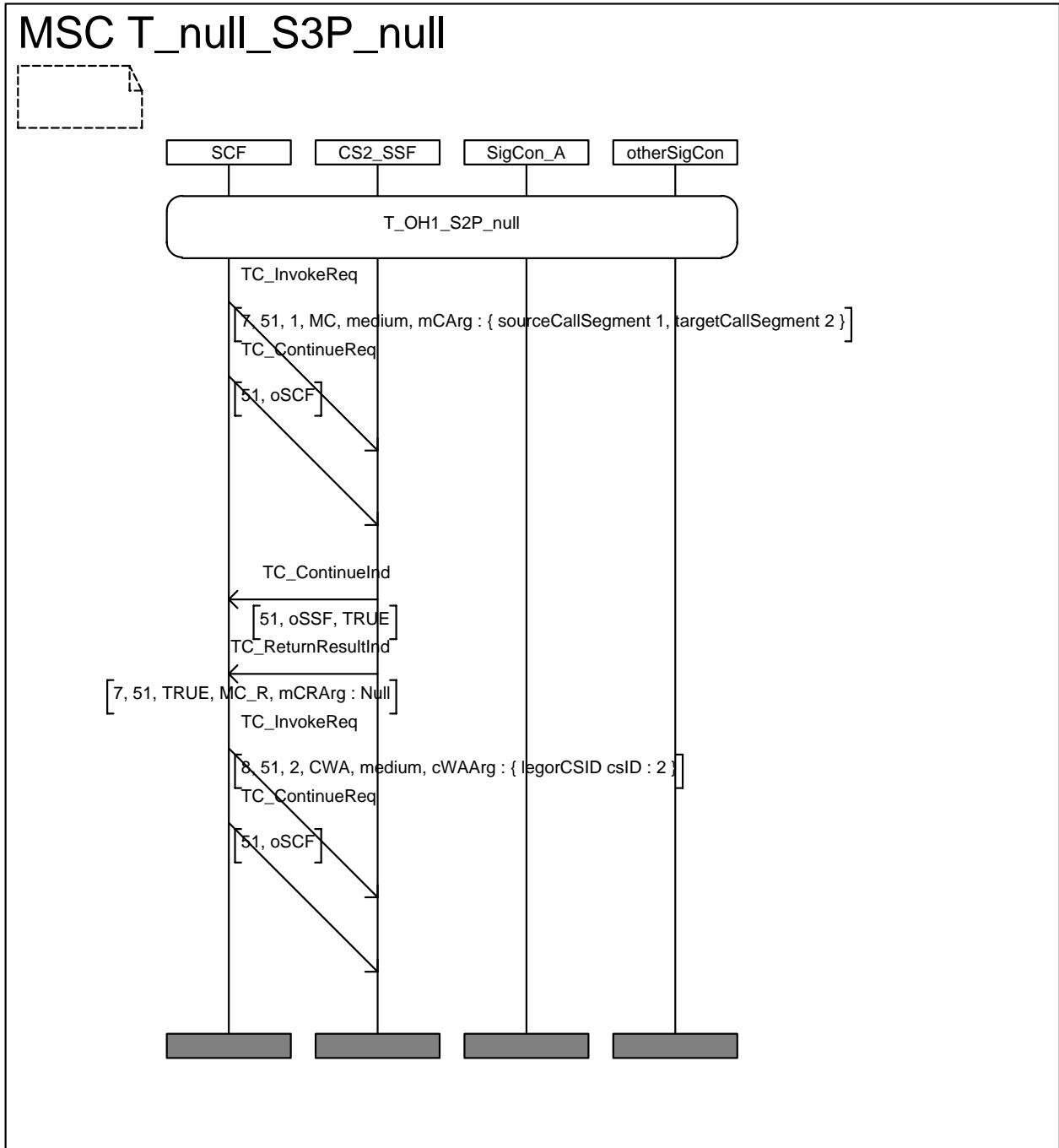
T_OH(1)_S2P_null

L1! MergeCallSegments(1,2)

L1?MergeCallSegmentsReturnResult

L1! ContinueWithArgument(CsId=2)

T_null_S3P_null



1-5 - Preamble T_null_OH(2)_S2P

T_null_S3P_null

L1! SplitLeg(2,3)

L1?SplitLegReturnResult

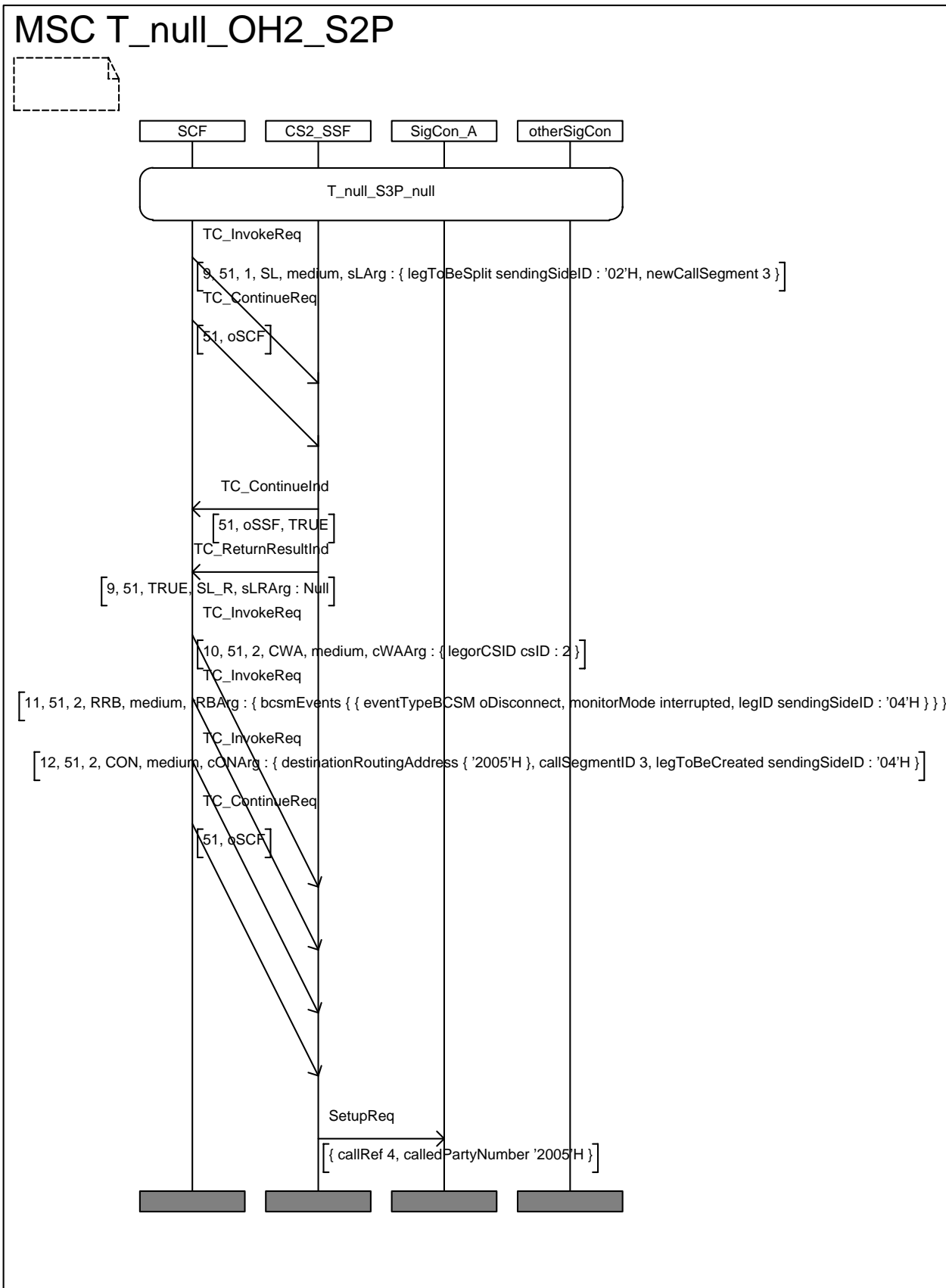
L1! ContinueWithArgument (CsID = 2)

L1! RequestReportBCSMEEvent(4,tDisconnect)

L1! Connect(4,3)

CP1-4? SetUpReq

T_null_OH(2)_S2P



1-6 - Preamble T_null_null_S4P

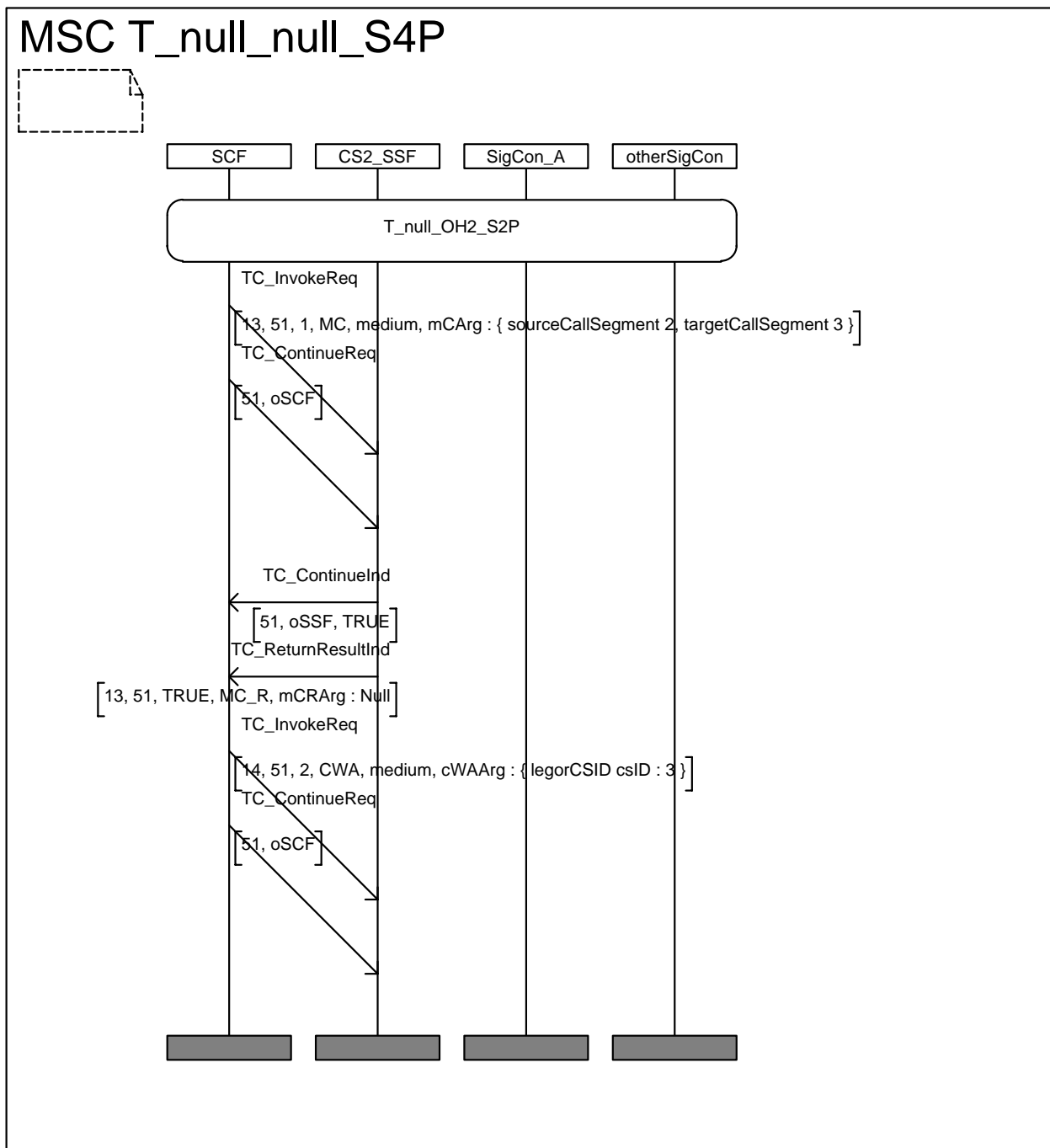
T_null_OH(2)_S2P

L1! MergeCallSegments(2,3)

L1?MergeCallSegmentsReturnResult

L1! ContinueWithArgument(CSId=3)

T_null_null_S4P



2-1 Preamble T_TF2_null_null

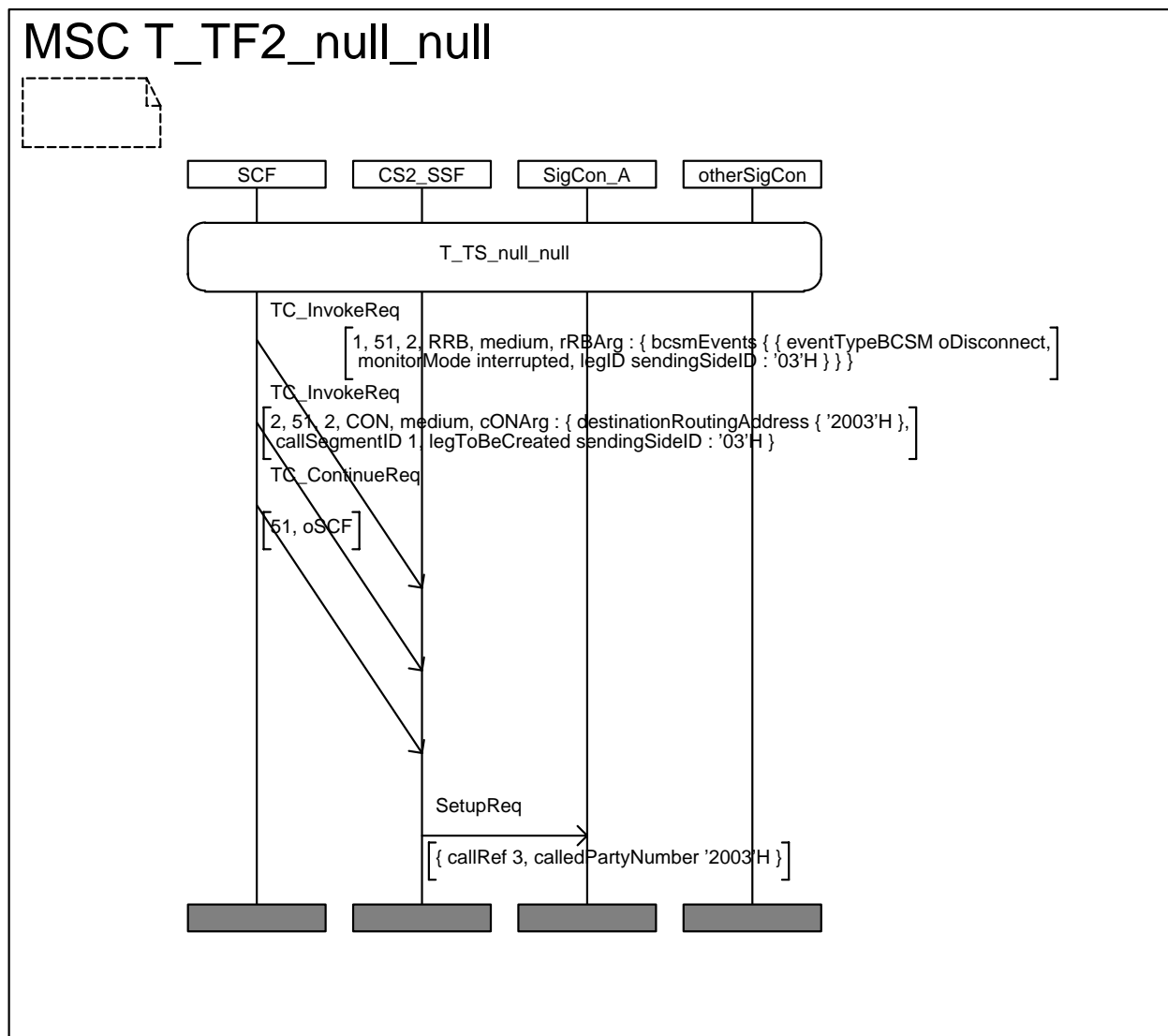
T_TS_null_null

L1! RequestReportBCSMEvent(3,tDisconnect)

L1! Connect (3,1)

CPI-3? SetUpReq

T_TF2_null_null



7.1.6.3 I (InitiateCallAttempt) preamble tree

1 - Preamble I_S1P_null_null

null

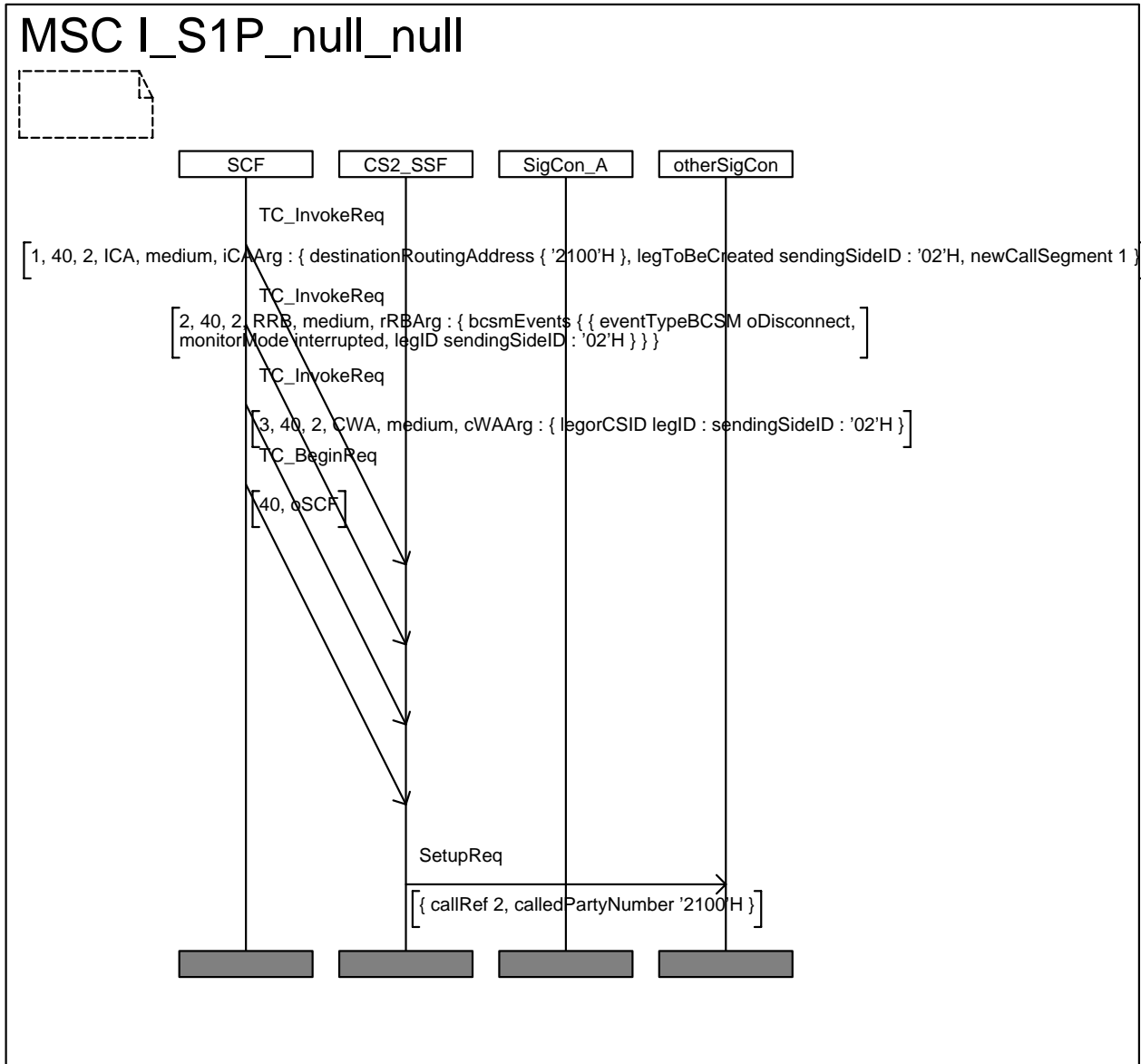
L1! InitiateCallAttempt(2,1)

L1! RequestReportBCSMEvent(2,oDisconnect)

L1! ContinueWithArgument(LegId=2)

CPI-2? SetUpReq

I_S1P_null_null



2 - Preamble I_S1P_S1P_null

I_S1P_null_null

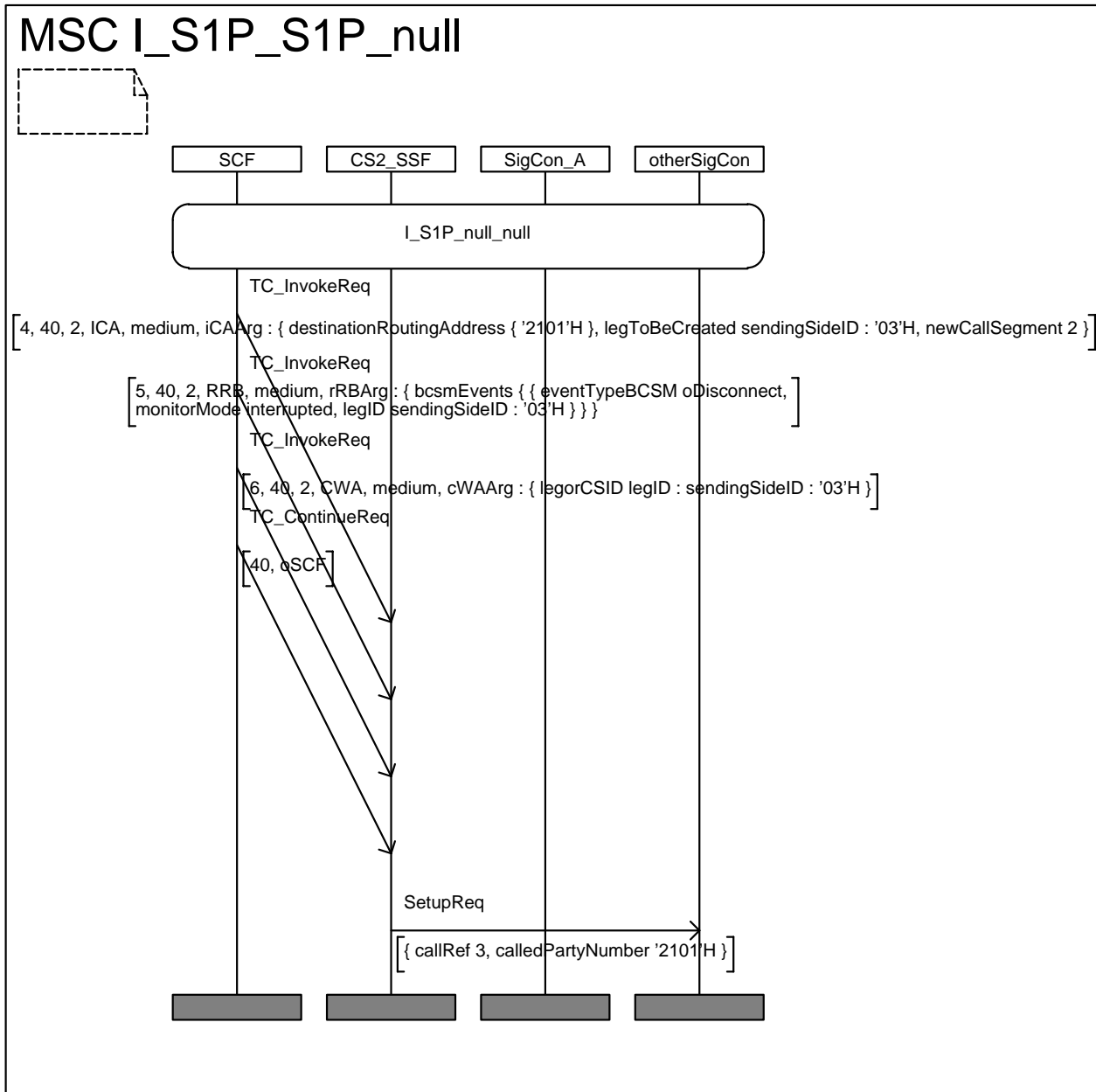
L1! InitiateCallAttempt(3,2)

L1! RequestReportBCSMEvent(3,oDisconnect)

L1! ContinueWithArgument(LegId=3)

CPI-3? SetUpReq

I_S1P_S1P_null



3-1 - Preamble I_S1P_S1P_S1P

I_S1P_S1P_null

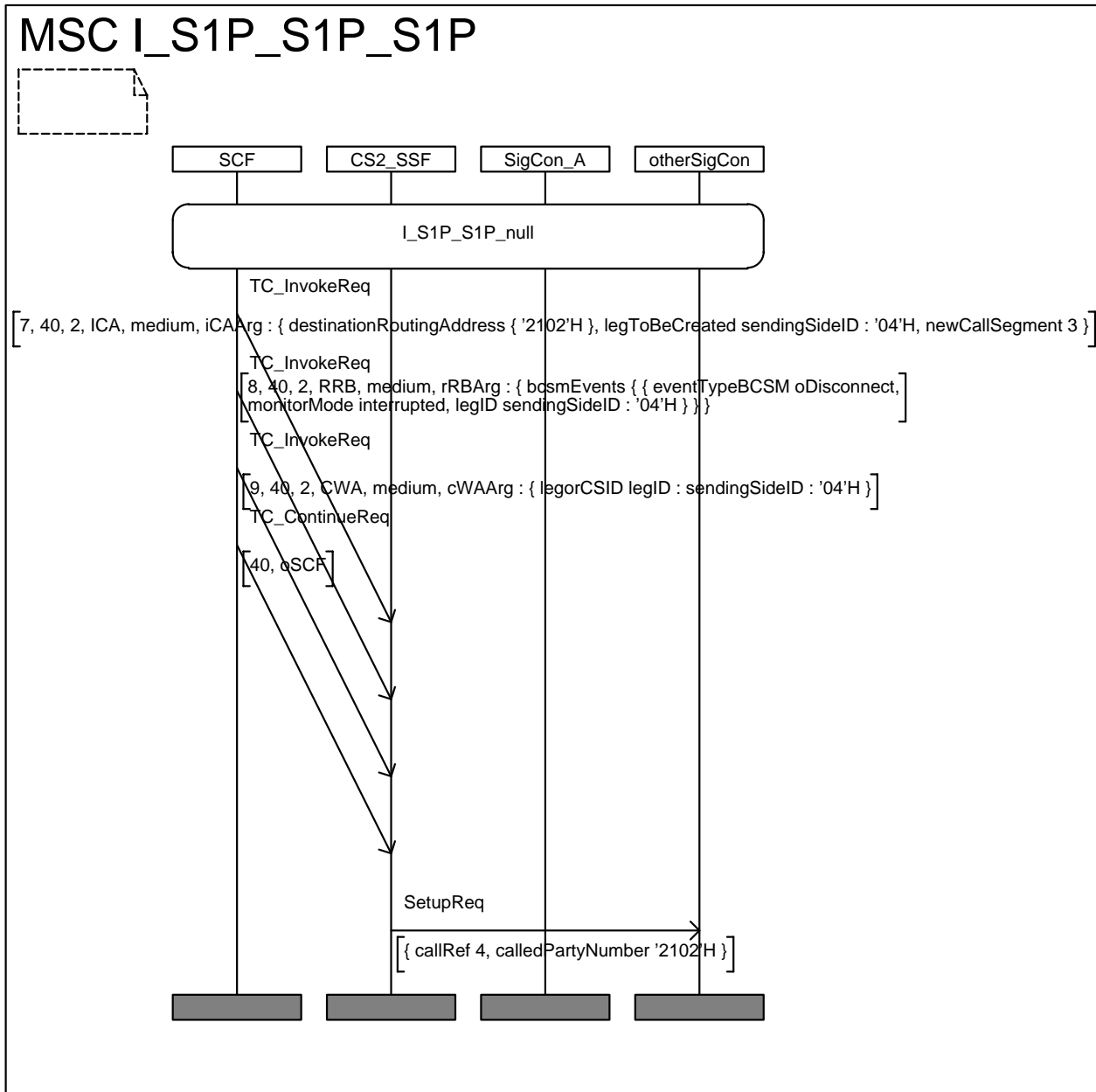
L1! InitiateCallAttempt(4,3)

L1! RequestReportBCSMEvent(4,oDisconnect)

L1! ContinueWithArgument(LegId=4)

CPI-4? SetUpReq

I_S1P_S1P_S1P



4 - Preamble I_null_TF(2)_S1P

I_S1P_S1P_S1P

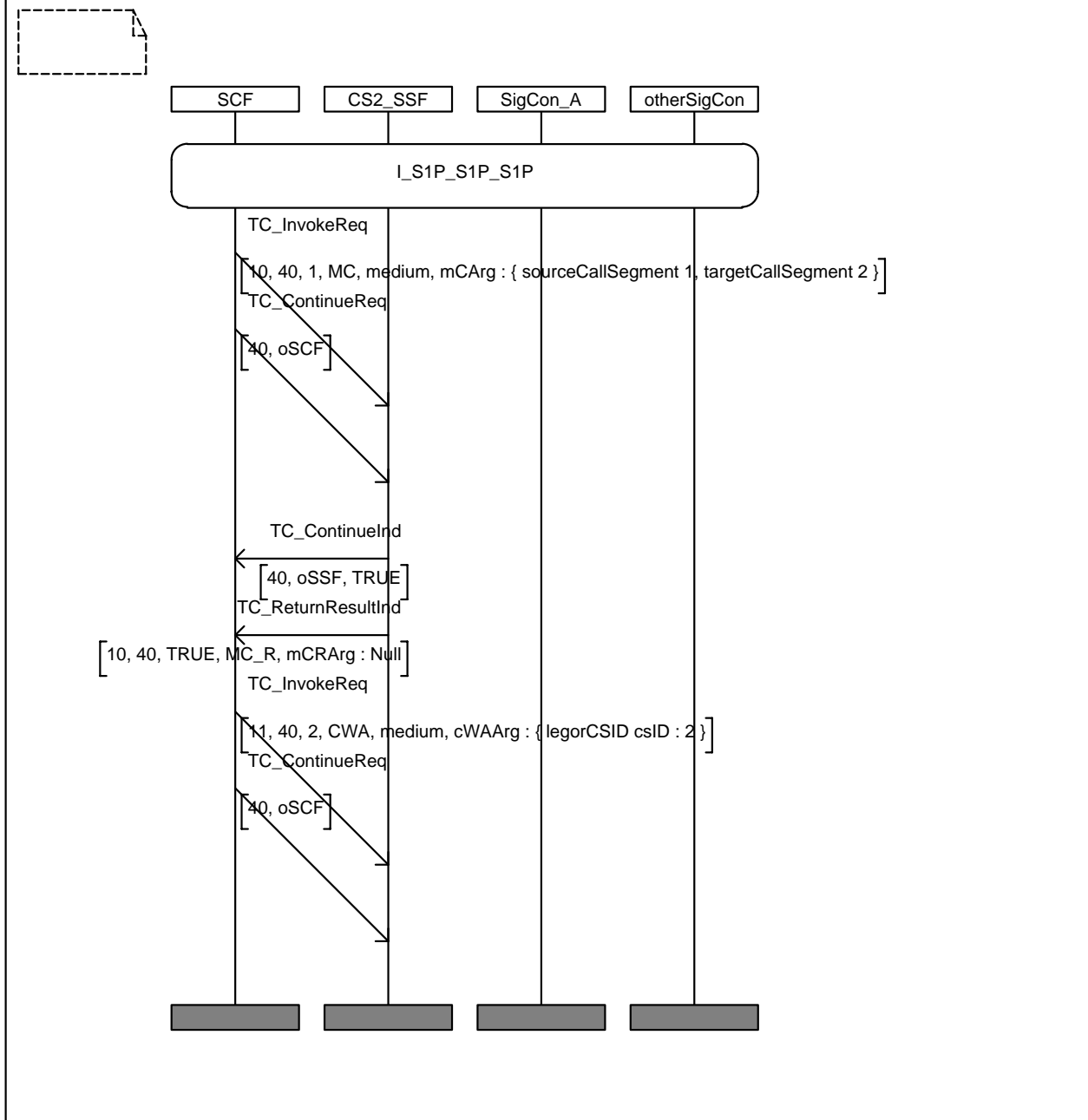
L1! MergeCallSegments(1,2)

L1?MergeCallSegmentsReturnResult

L1! ContinueWithArgument(CSId=2)

I_null_TF(2)_S1P

MSC I_null_TF2_S1P



5 - Preamble I_null_null_TF(3)

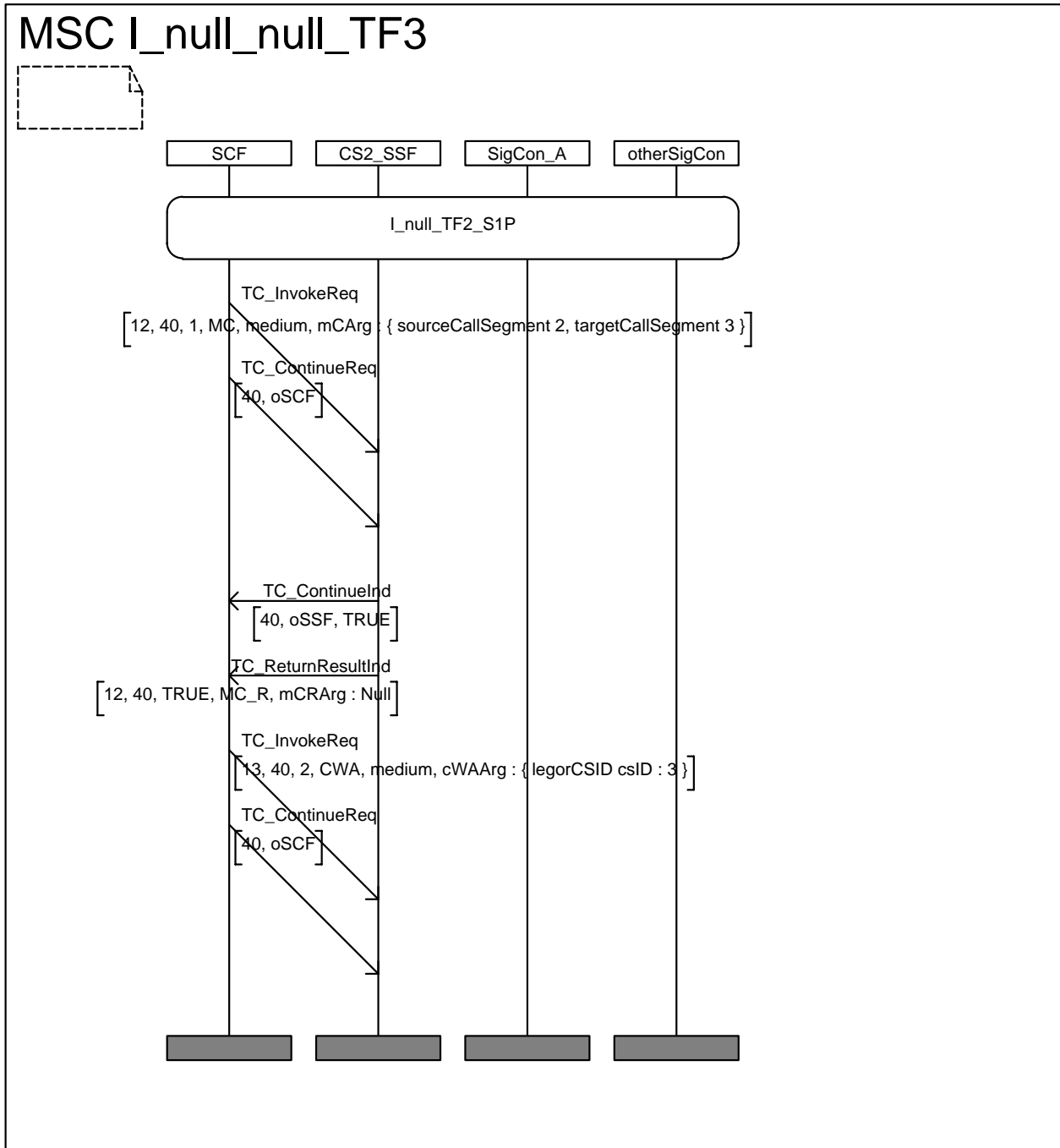
I_null_TF(2)_S1P

L1! MergeCallSegments(2,3)

L1?MergeCallSegmentsReturnResult

L1! ContinueWithArgument(CSID=3)

I_null_null_TF(3)



3-2 - Preamble I_null_TF(2)_null

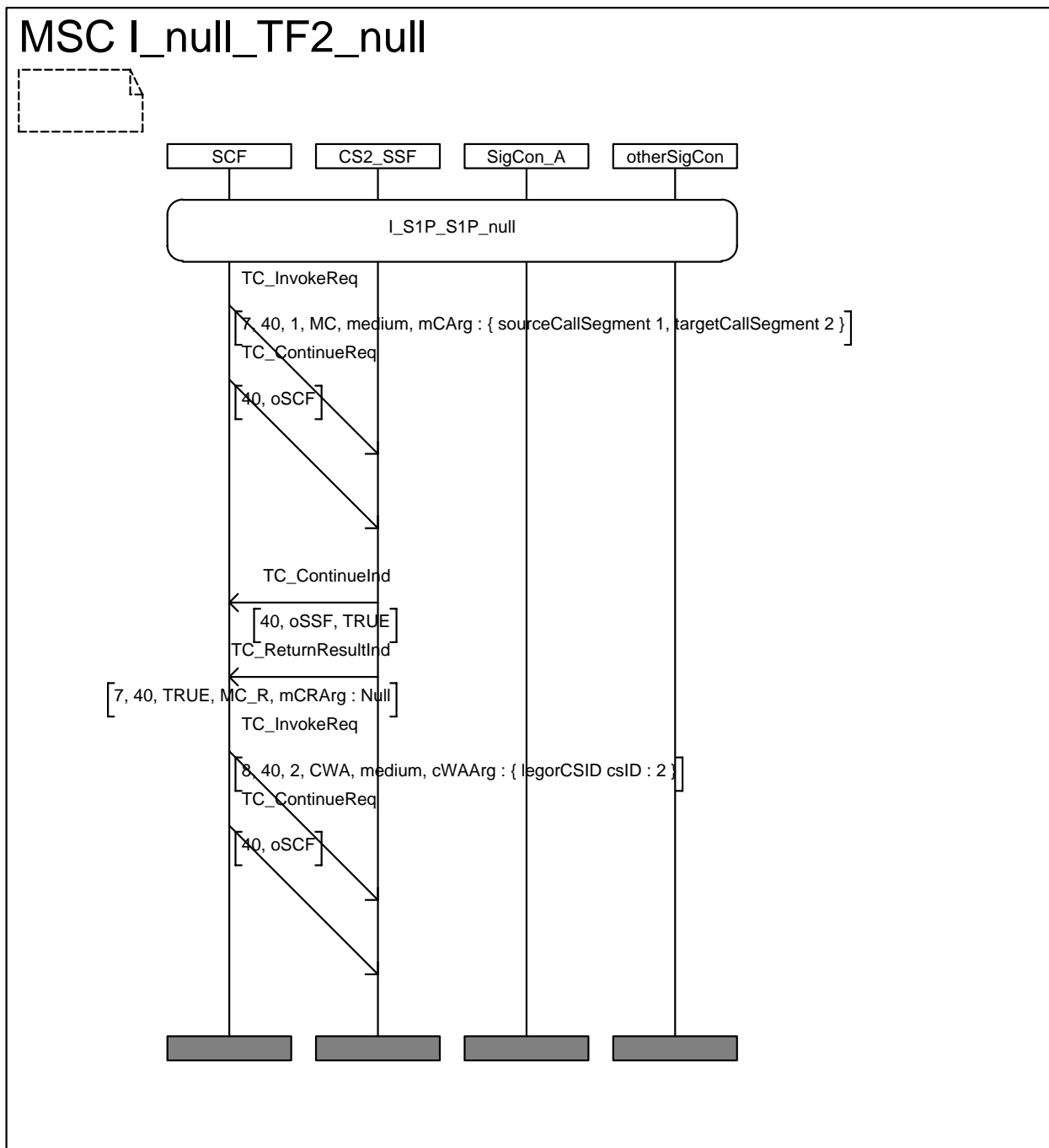
I_S1P_S1P_null

L1! MergeCallSegments(1,2)

L1?MergeCallSegmentsReturnResult

L1! ContinueWithArgument(CSID=2)

I_null_TF(2)_null



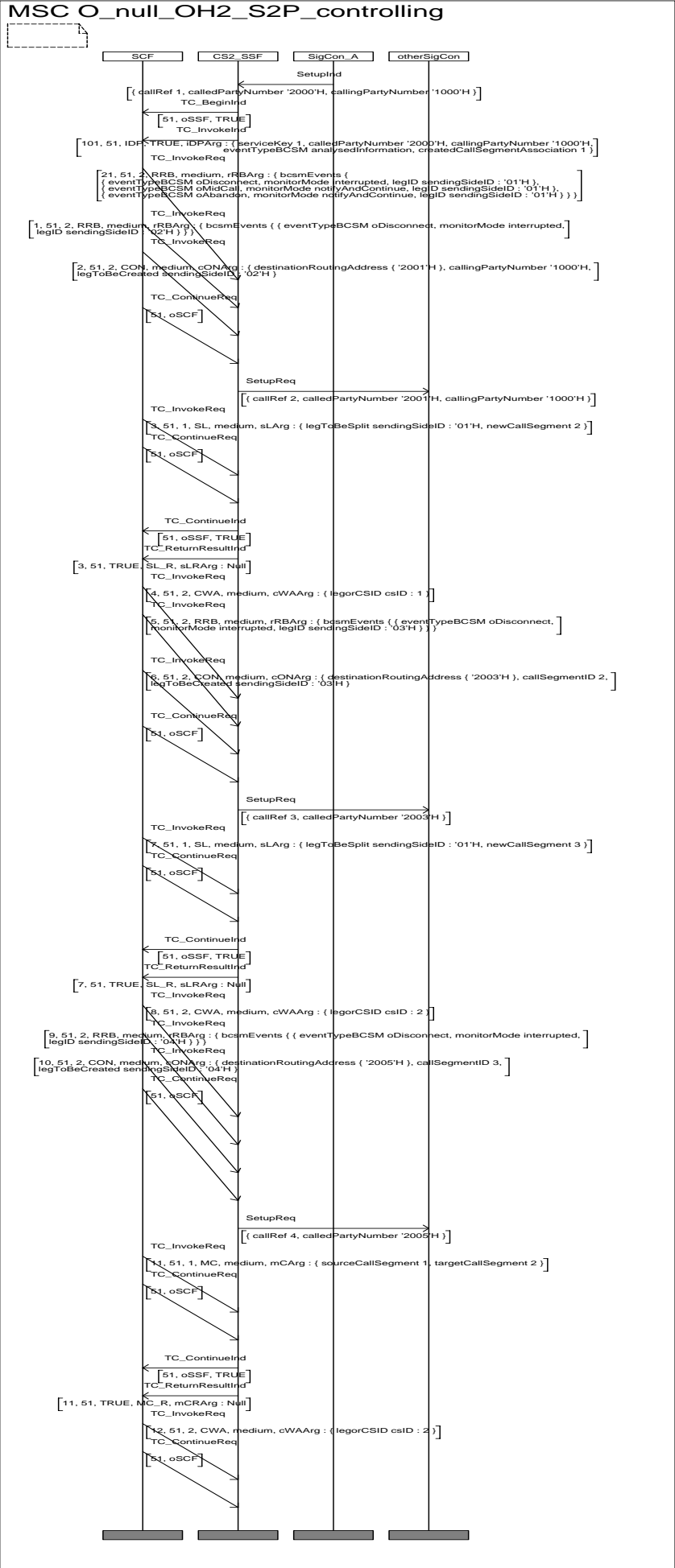
7.1.6.4 Event Detecting/Report rules Preambles

With the aim of testing the event detecting/report rules these preambles arm the legs in order to detect a signalling event coming from the controlling leg or from the passive legs. The steps followed to reach the final configuration are the same as the ones used in the previous preambles (originating, terminating, network initiated). What is different is the number of events armed when a new leg is added to the CallSegment configuration.

Preamble O_null_OH(2)_S2P_controlling

The controlling leg (legId=1) is armed with the events:

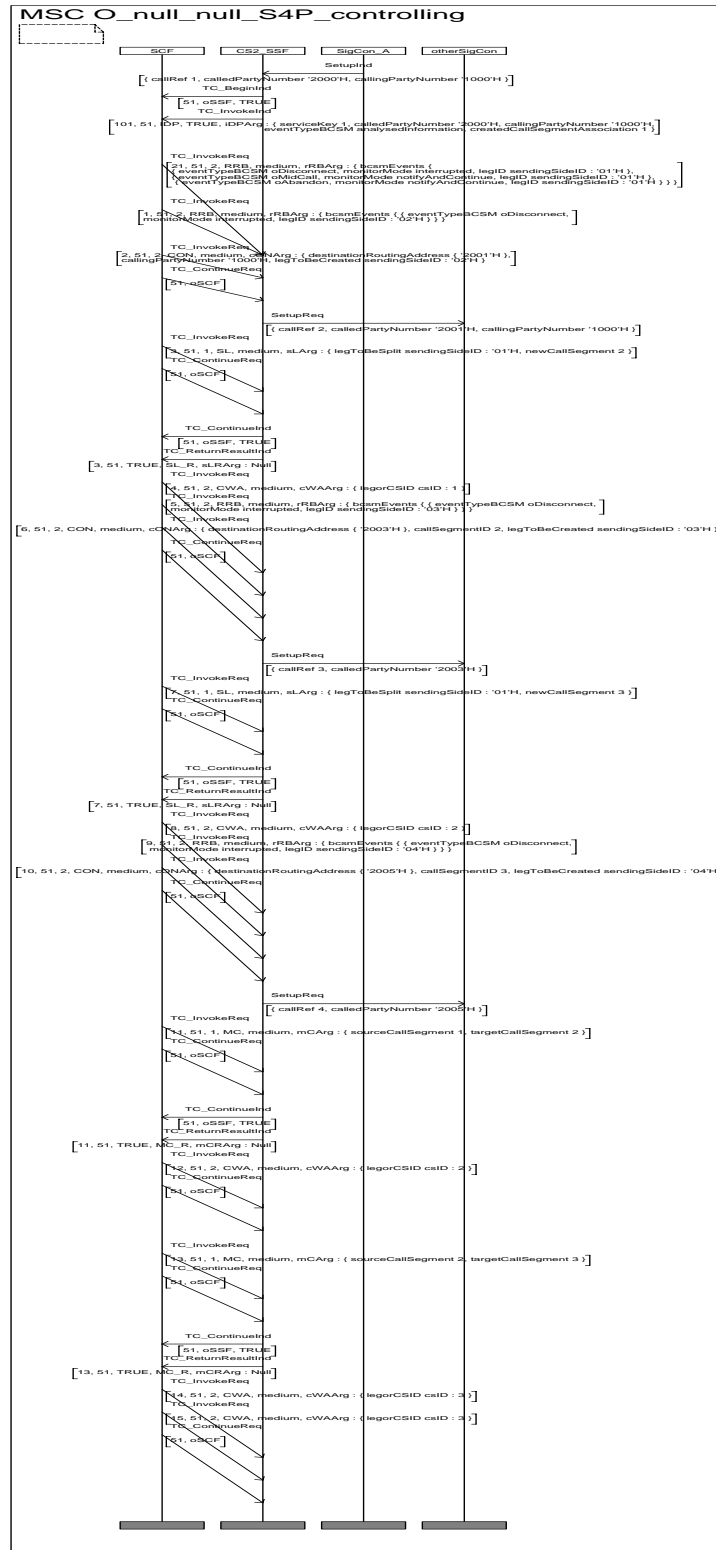
- oDisconnect;
- oAbandon;
- oMidCall.



Preamble O_null_null_S4P_controlling

The controlling leg (legId=1) is armed with the events:

- oDisconnect;
- oAbandon;
- oMidCall.



Preamble O_null_OH(2)_S2P_passive

The passive legs (legId=2,3,4) are armed with the events:

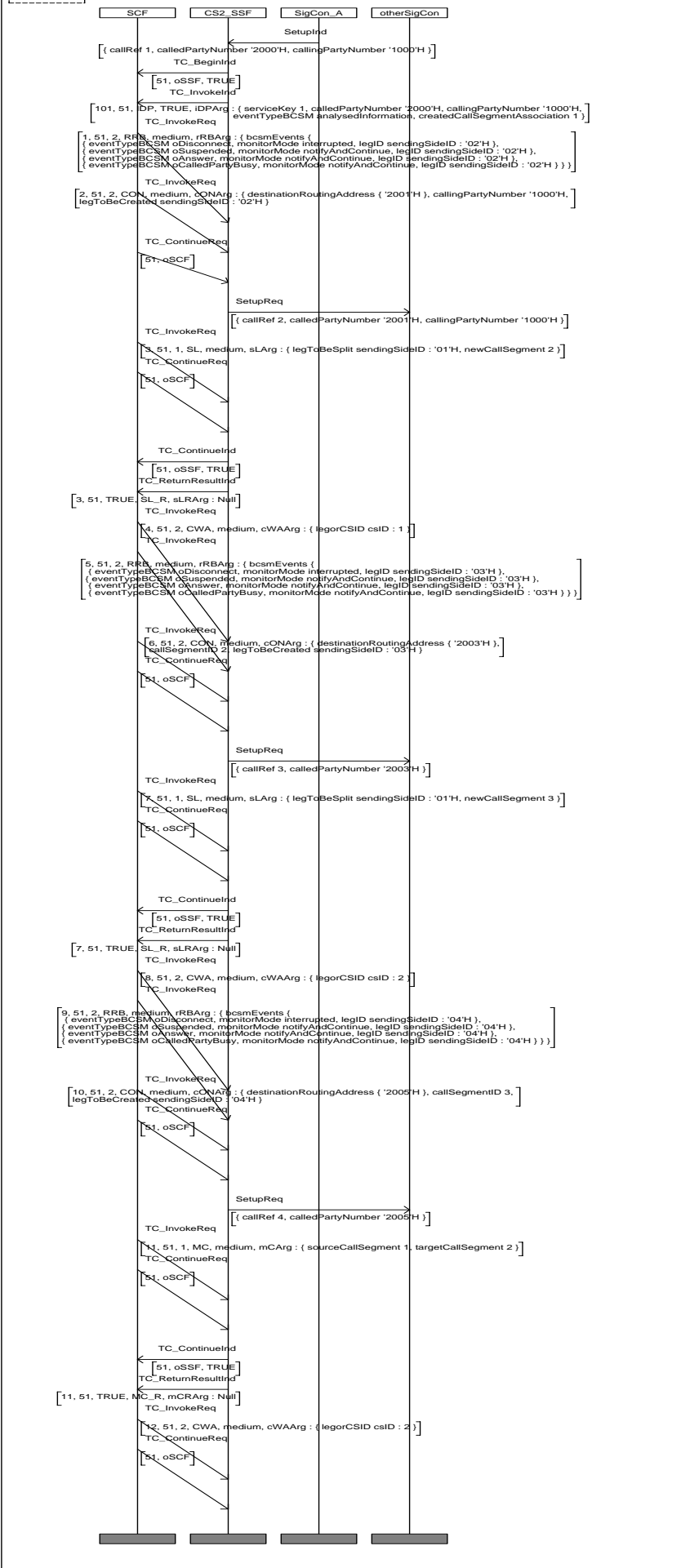
- oDisconnect;

- oAnswer;

- oCalledPartyBusy;

- oSuspended.

MSC O_null_OH2_S2P_passive



Preamble O_null_null_S4P_passive

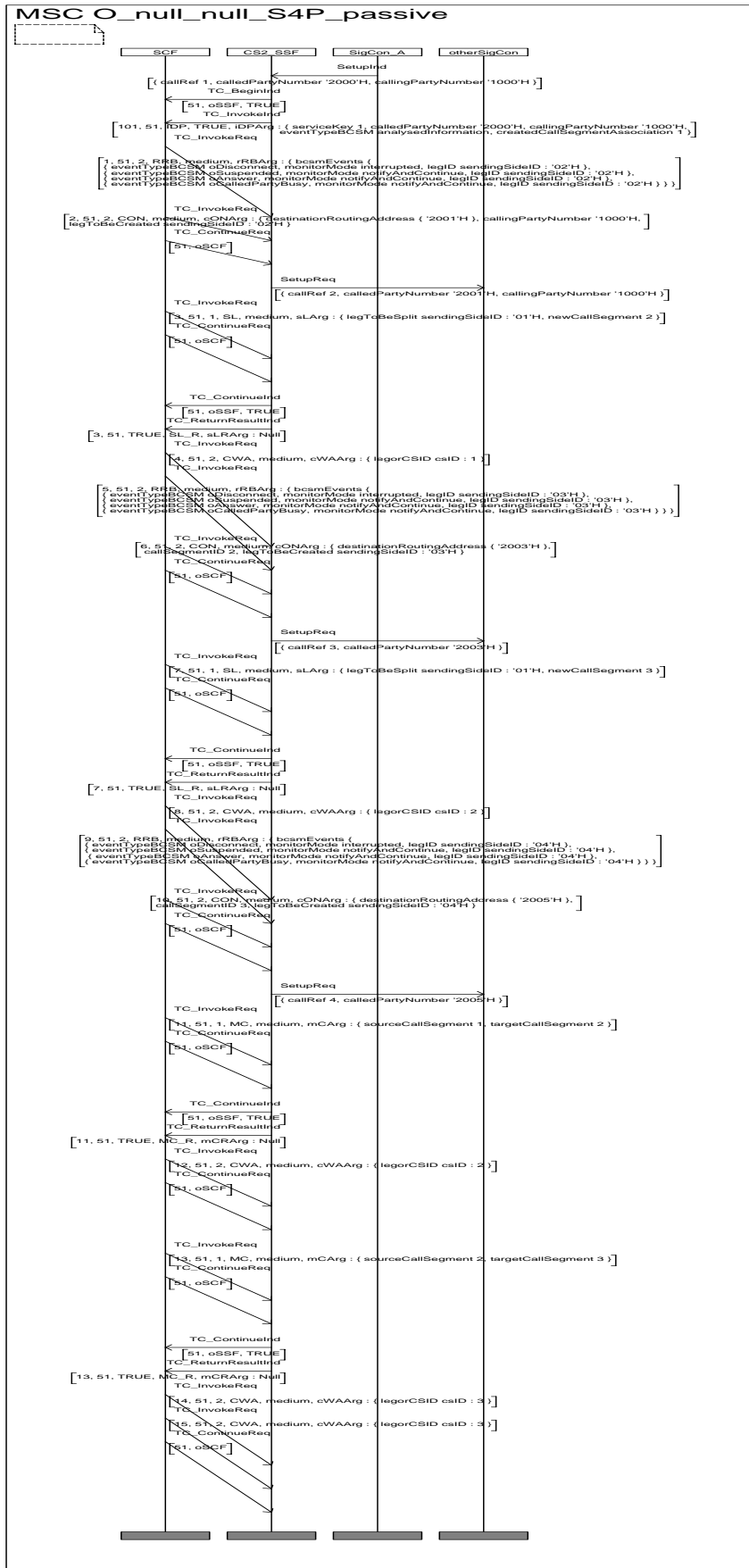
The passive legs (legId=2,3,4) are armed with the events:

- oDisconnect;

- oAnswer;

- oCalledPartyBusy;

- oSuspended.



Preamble I_S1P_S1P_null_passive

The passive legs (legId=2,3) are armed with the events:

oDisconnect;

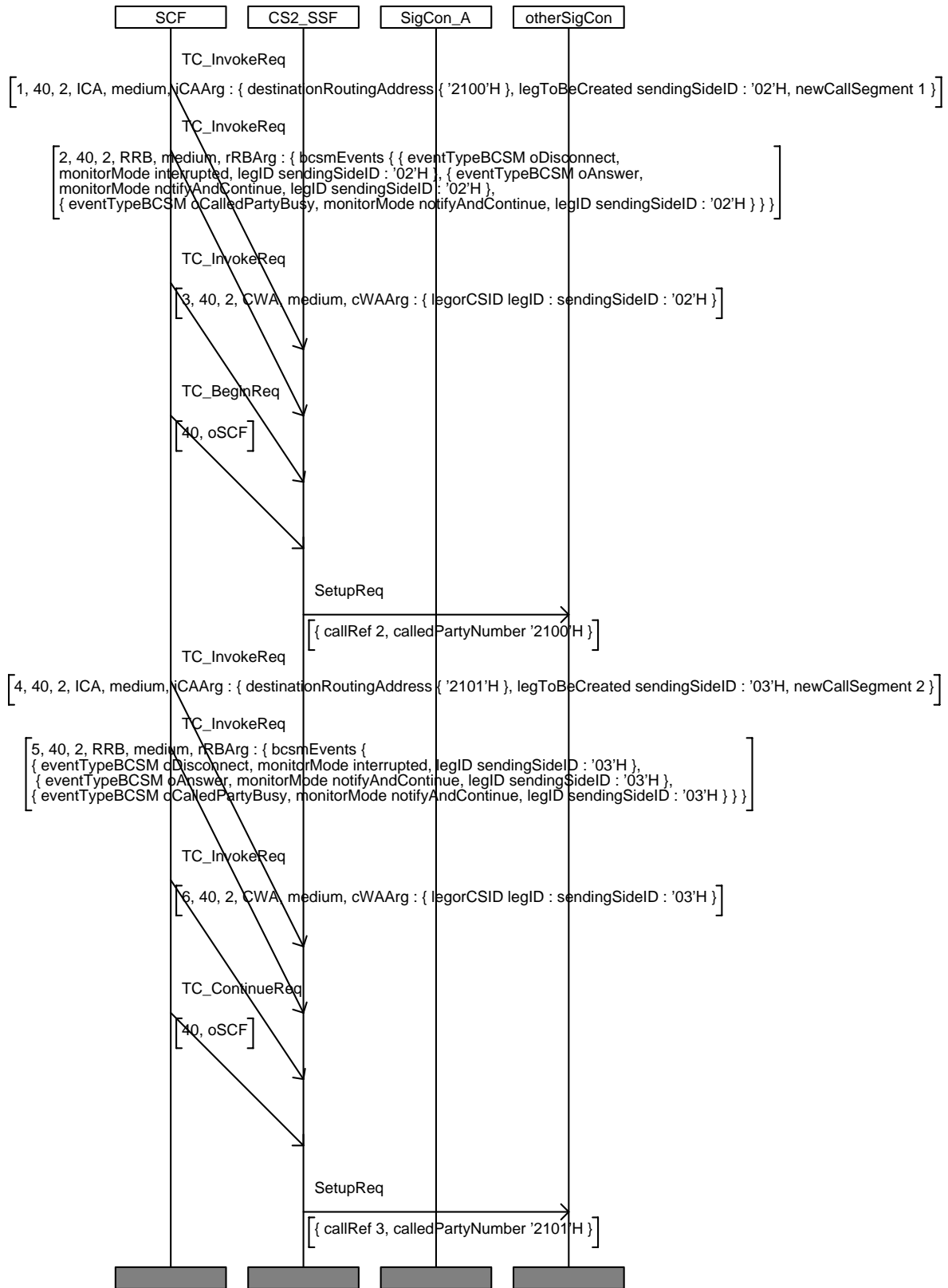
oMidCall;

oAnswer;

oCalledPartyBusy;

oSuspended.

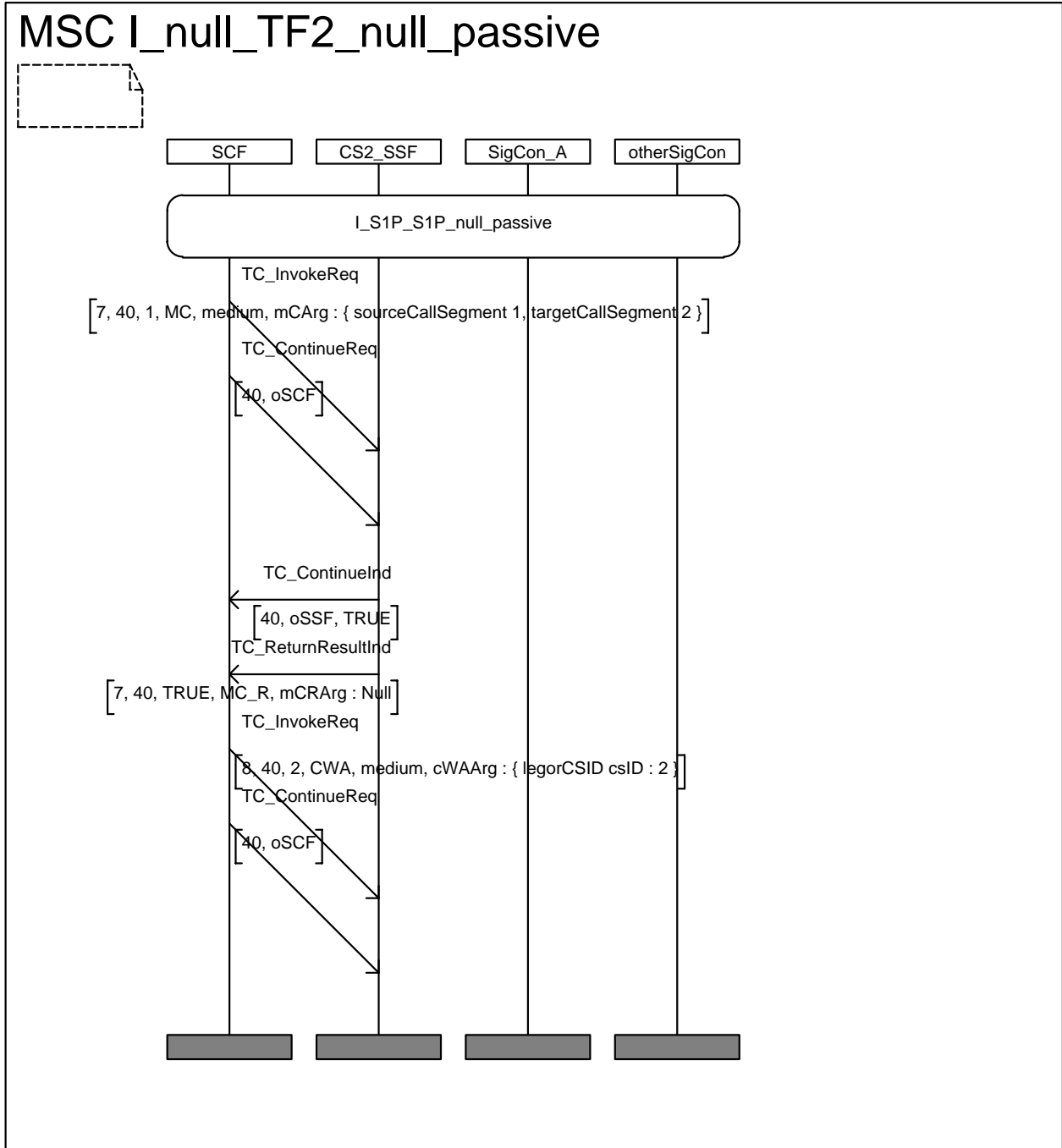
MSC I_S1P_S1P_null_passive



Preamble I_null_TF(2)_null_passive

The passive legs (legId=2,3) are armed with the events:

- oDisconnect;
- oAnswer;
- oCalledPartyBusy;
- oSuspended.



Preamble T_S2P_null_null_controlling

The controlling leg (legId=2) is armed with the events:

tDisconnect;

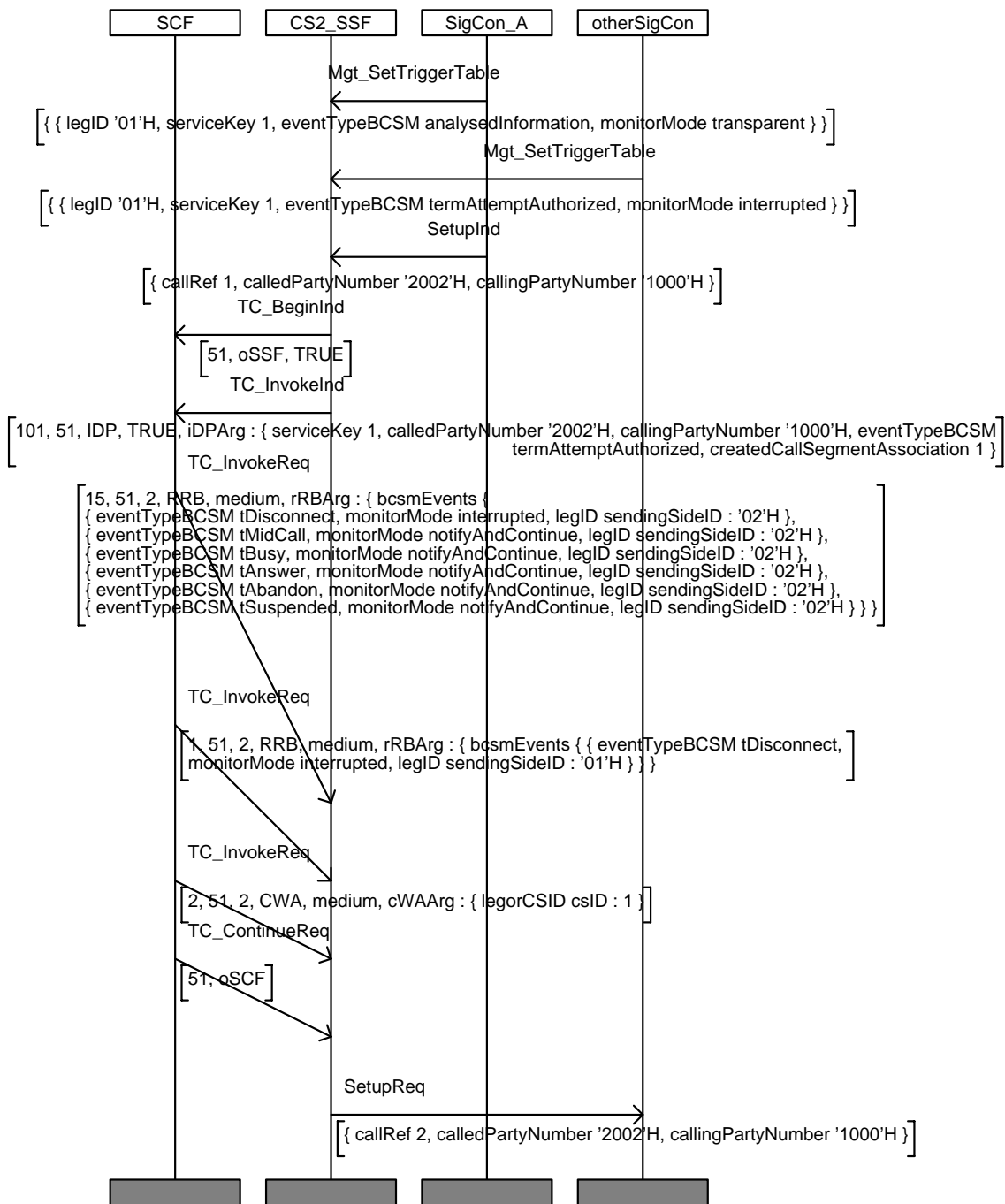
tMidCall;

tAnswer;

tCalledPartyBusy;

tSuspended.

MSC T_S2P_null_null_controlling



Preamble T_null_null_S4P_controlling

The controlling leg (legId=2) is armed with the events:

tDisconnect;

tMidCall;

tAnswer;

tCalledPartyBusy;

tSuspended.

Preamble T_S2P_null_null_passive

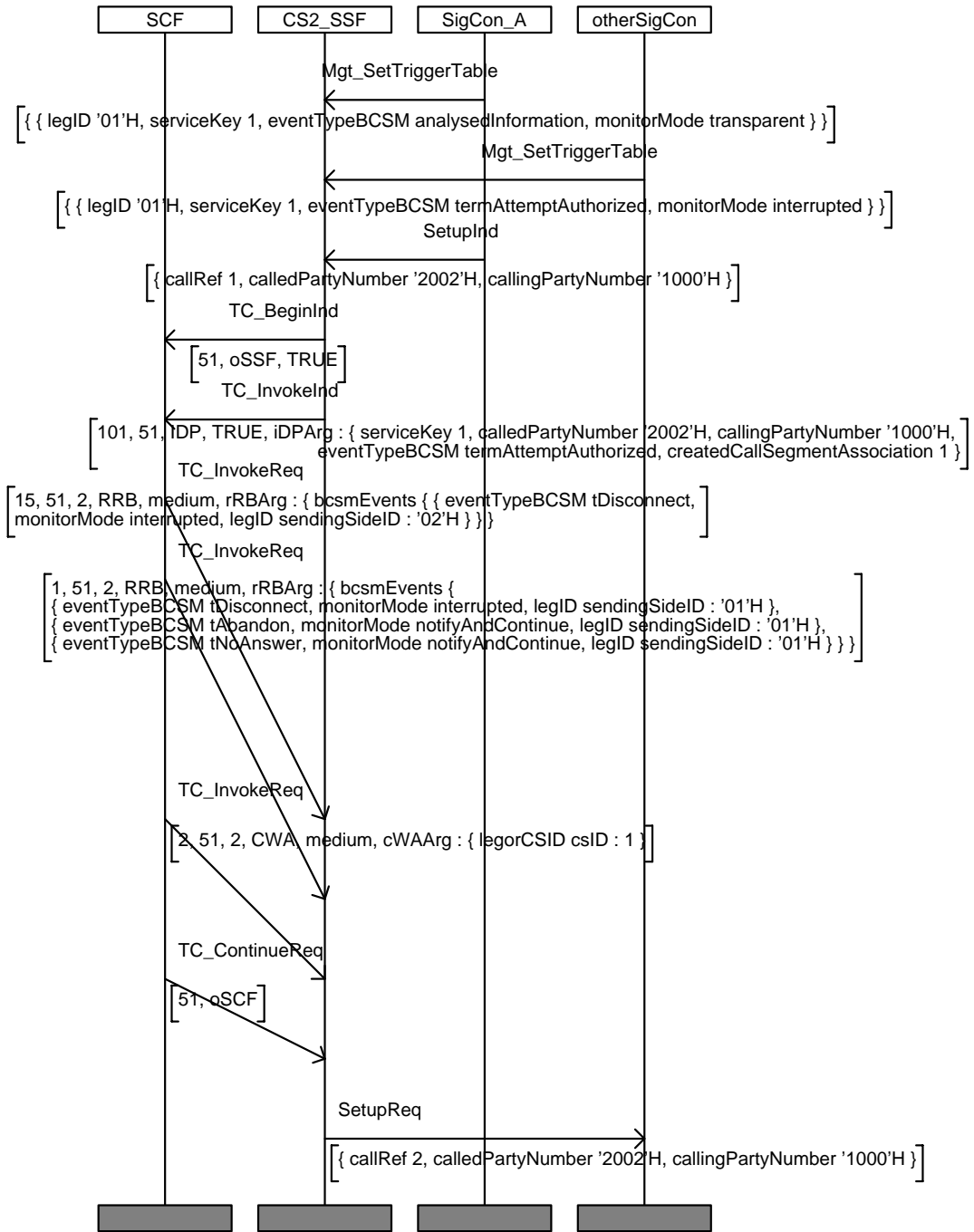
The passive leg (legId=1) is armed with the events:

tDisconnect;

tAbandon;

tAnswer.

MSC T_S2P_null_null_passive



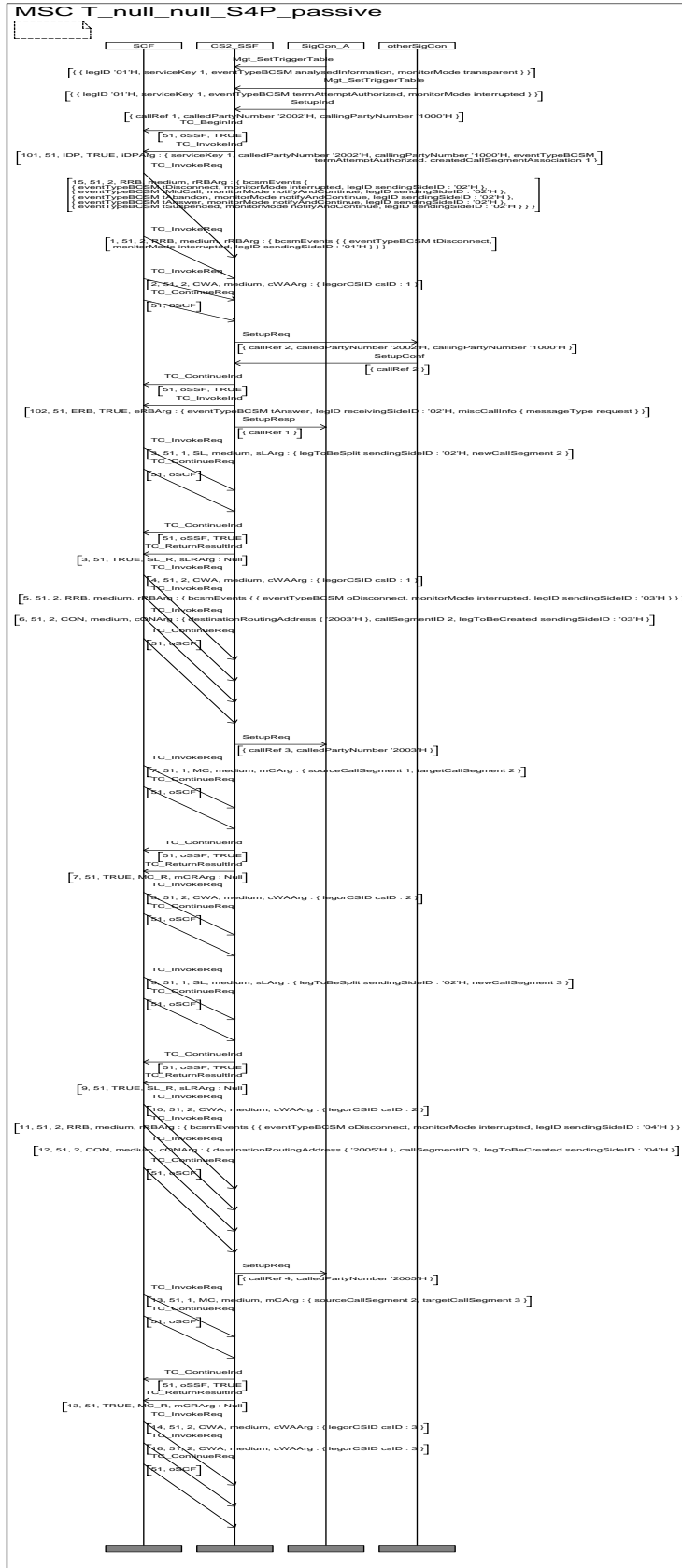
Preamble T_null_null_S4P_passive

The passive legs (legId=1,3,4) are armed with the events:

t/oDisconnect;

t/oAbandon;

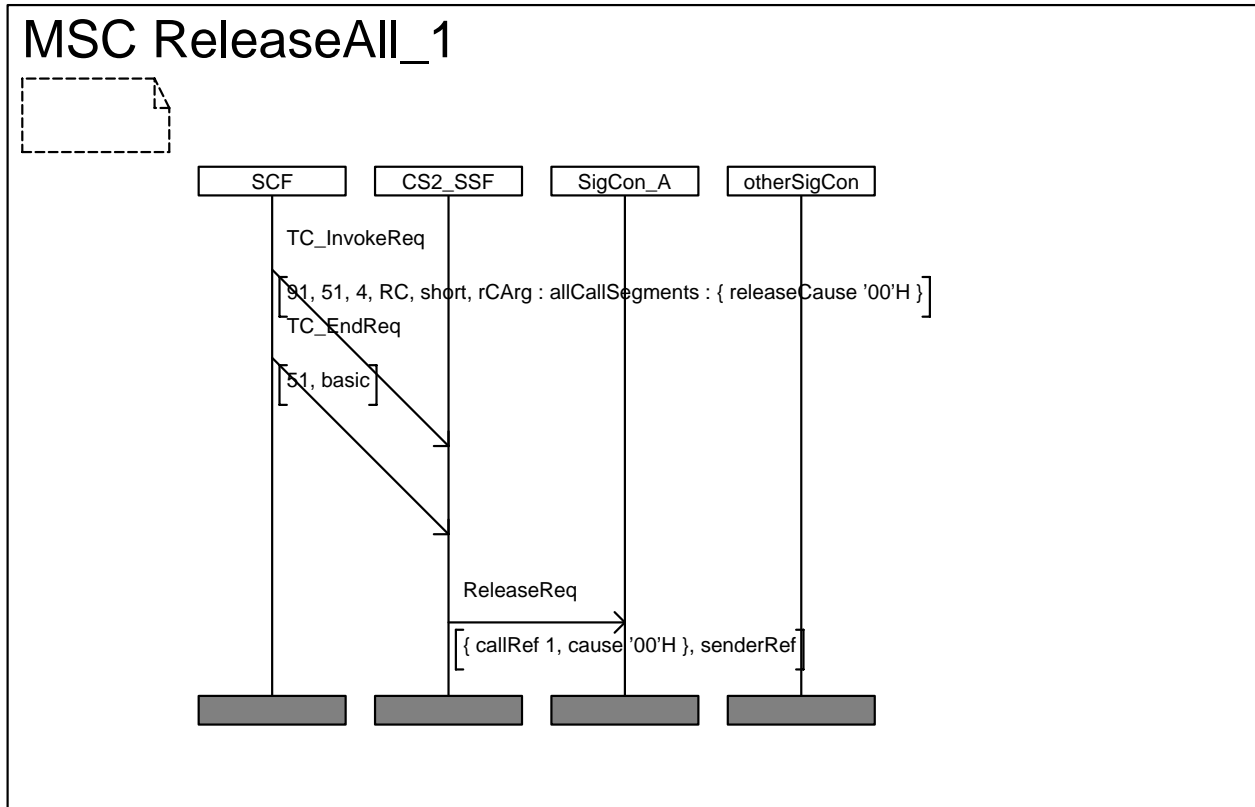
t/oAnswer.



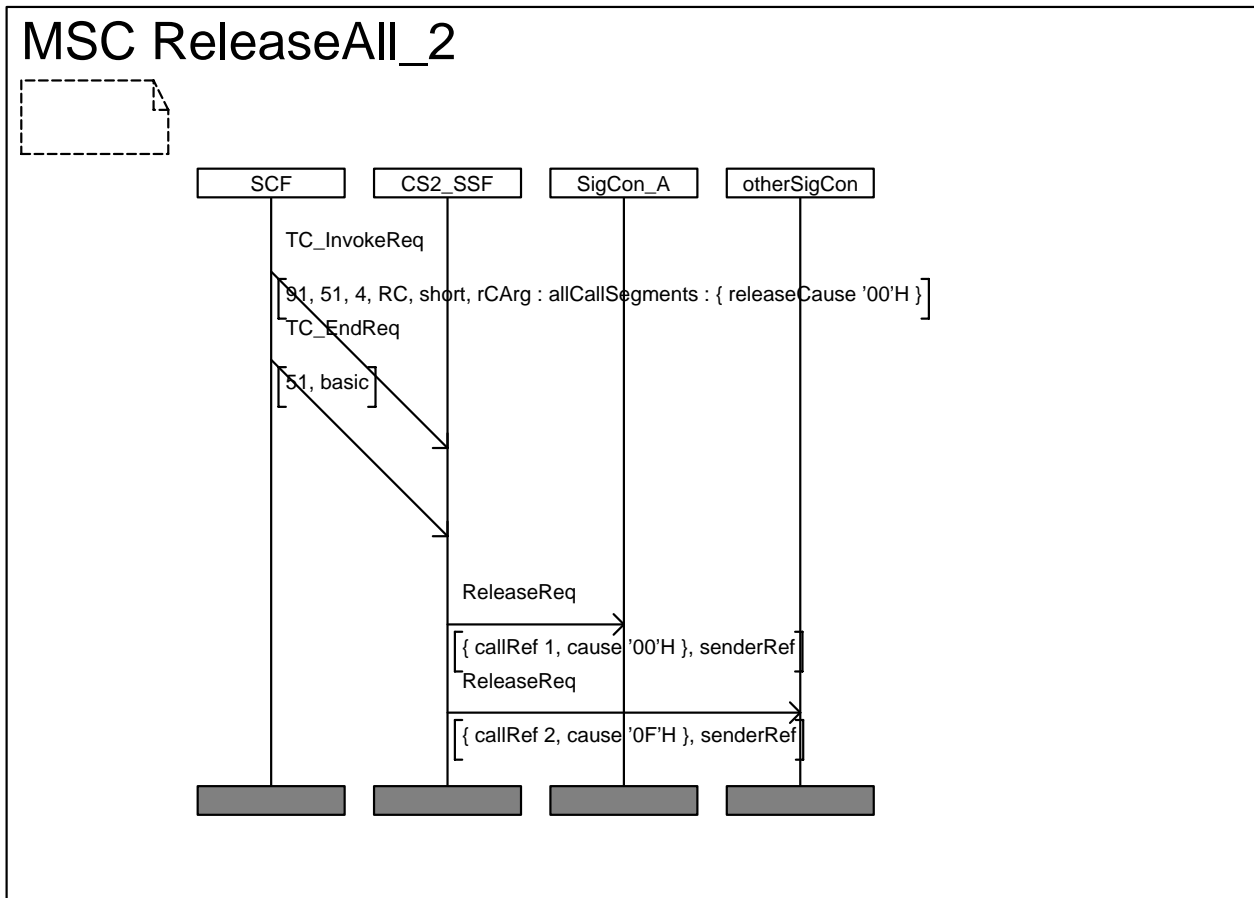
7.1.7 Postamble descriptions

Postambles are used to bring the IUT from the state where the test takes place back to the initial state. CPH is using a ReleaseAll postamble, applying to the number of legs active in the call, either 1 or 2 or 3, up to 7. The SCF sends a ReleaseCall operation and the IUT sends ReleaseReq on the legs that are active. The MSCs do not show which exact leg numbers are active, for instance either 123 or 234 in the case where 3 legs are concerned. However, the TTCN generated from these MSCs take the real numbers into account.

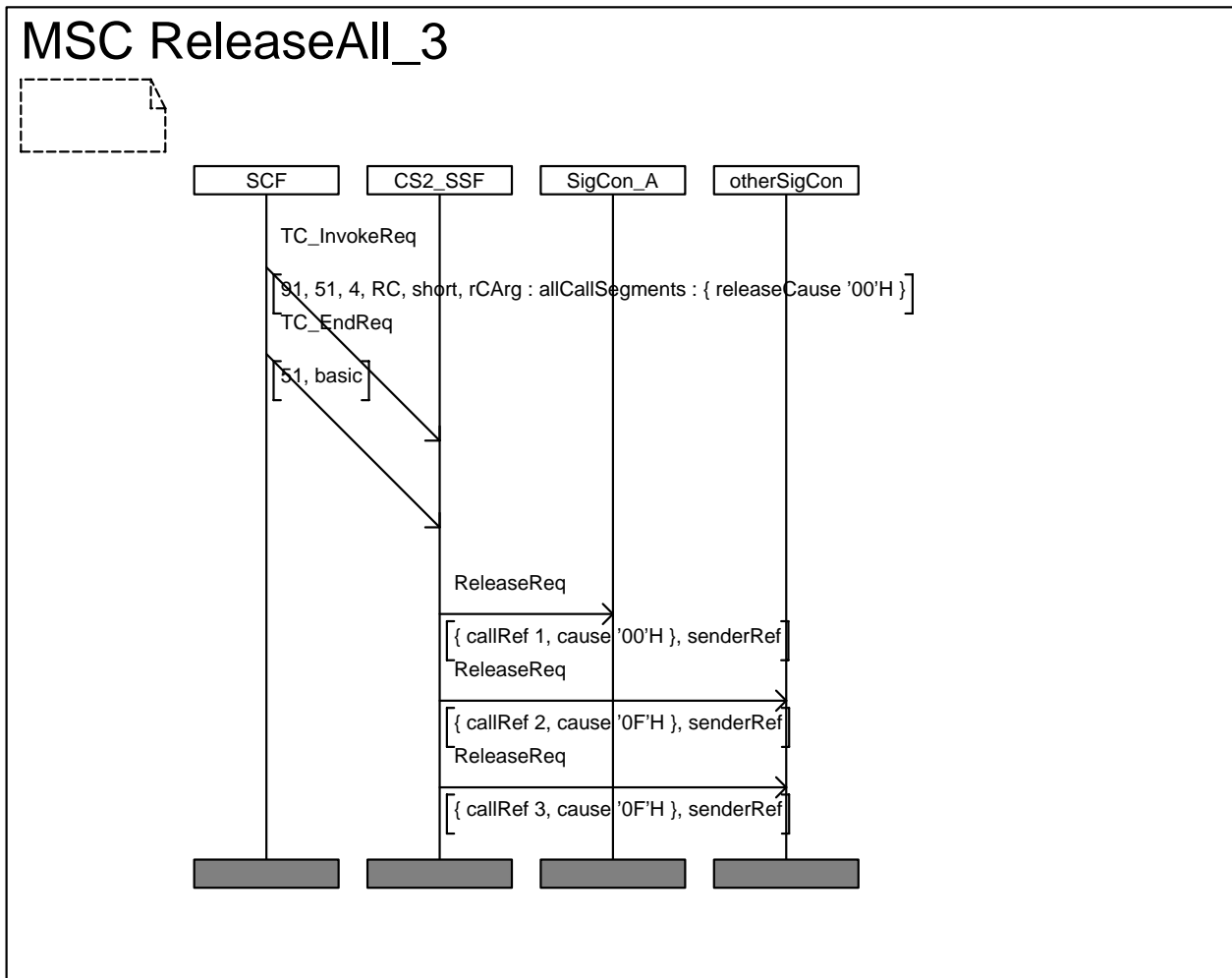
7.1.7.1 Postamble ReleaseAll_1



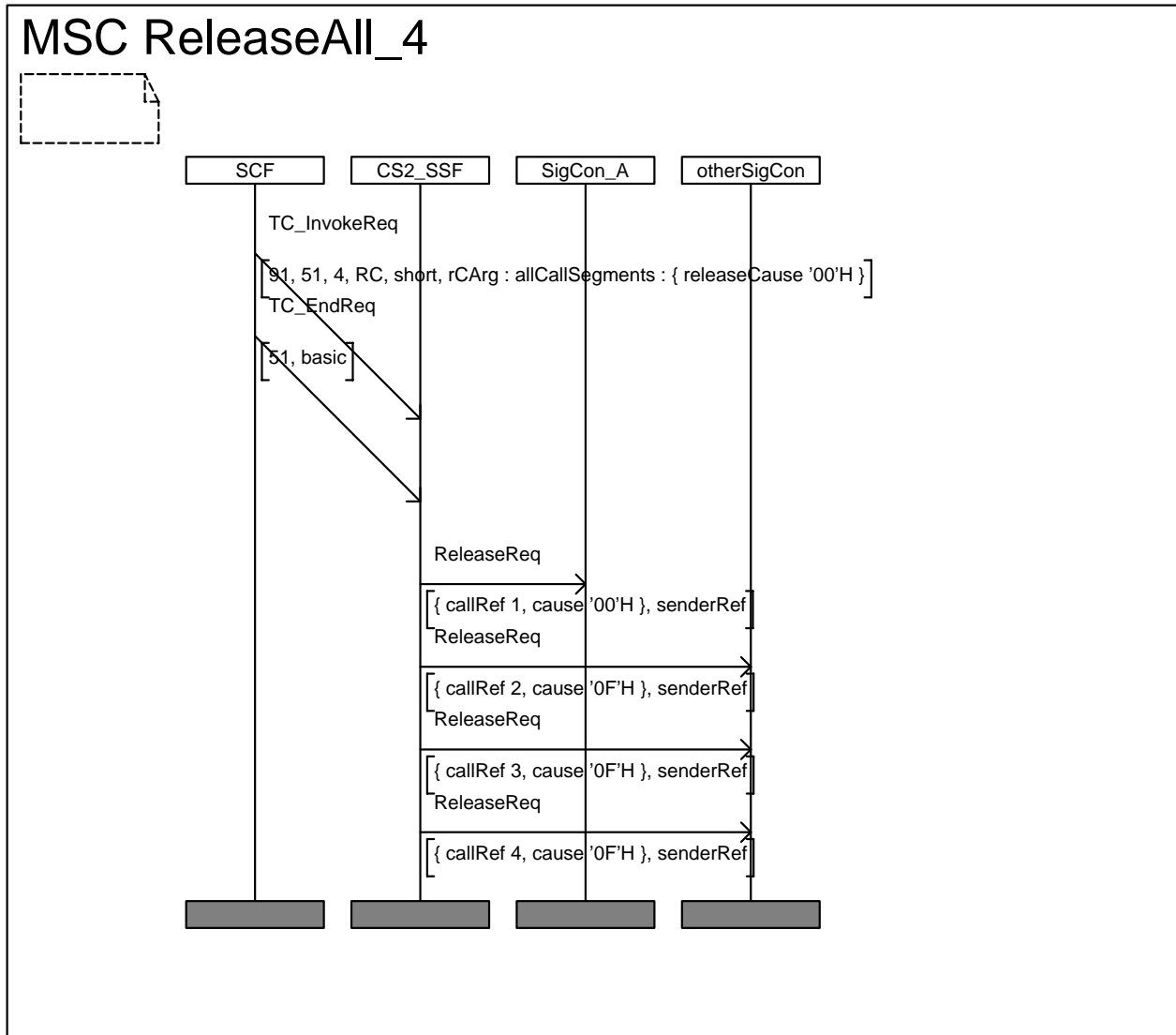
7.1.7.2 Postamble ReleaseAll_2



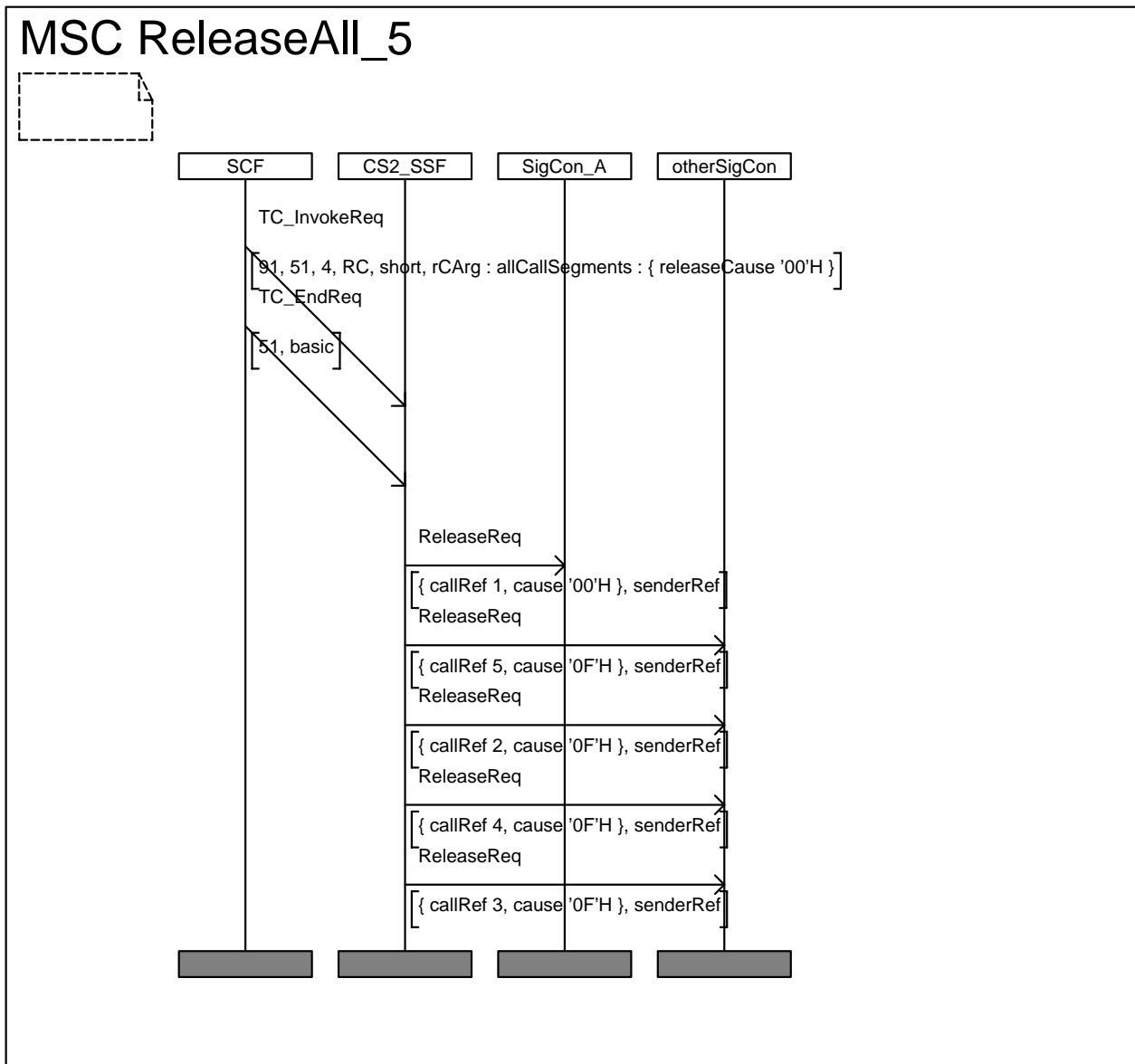
7.1.7.3 Postamble ReleaseAll_3



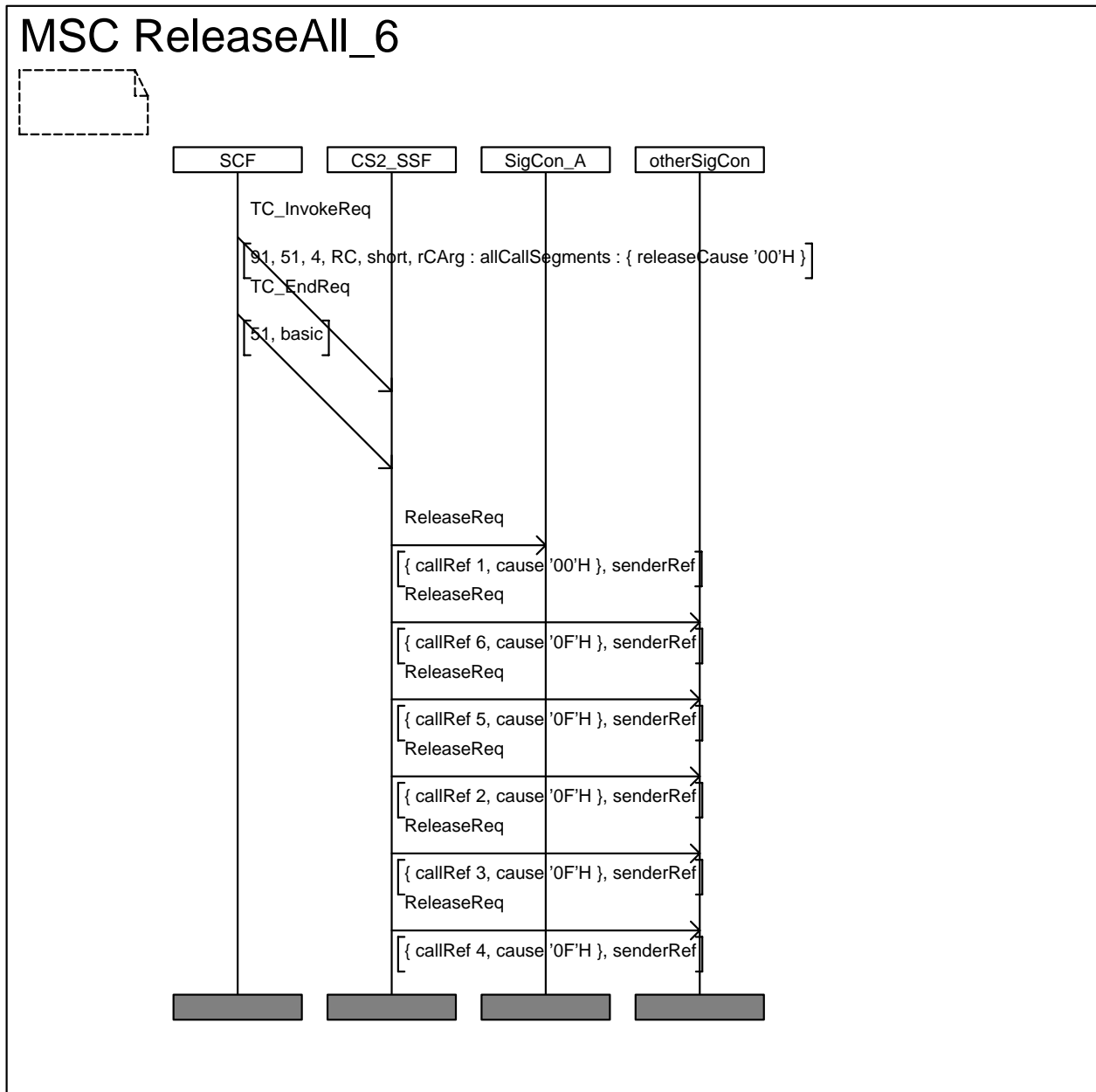
7.1.7.4 Postamble ReleaseAll_4



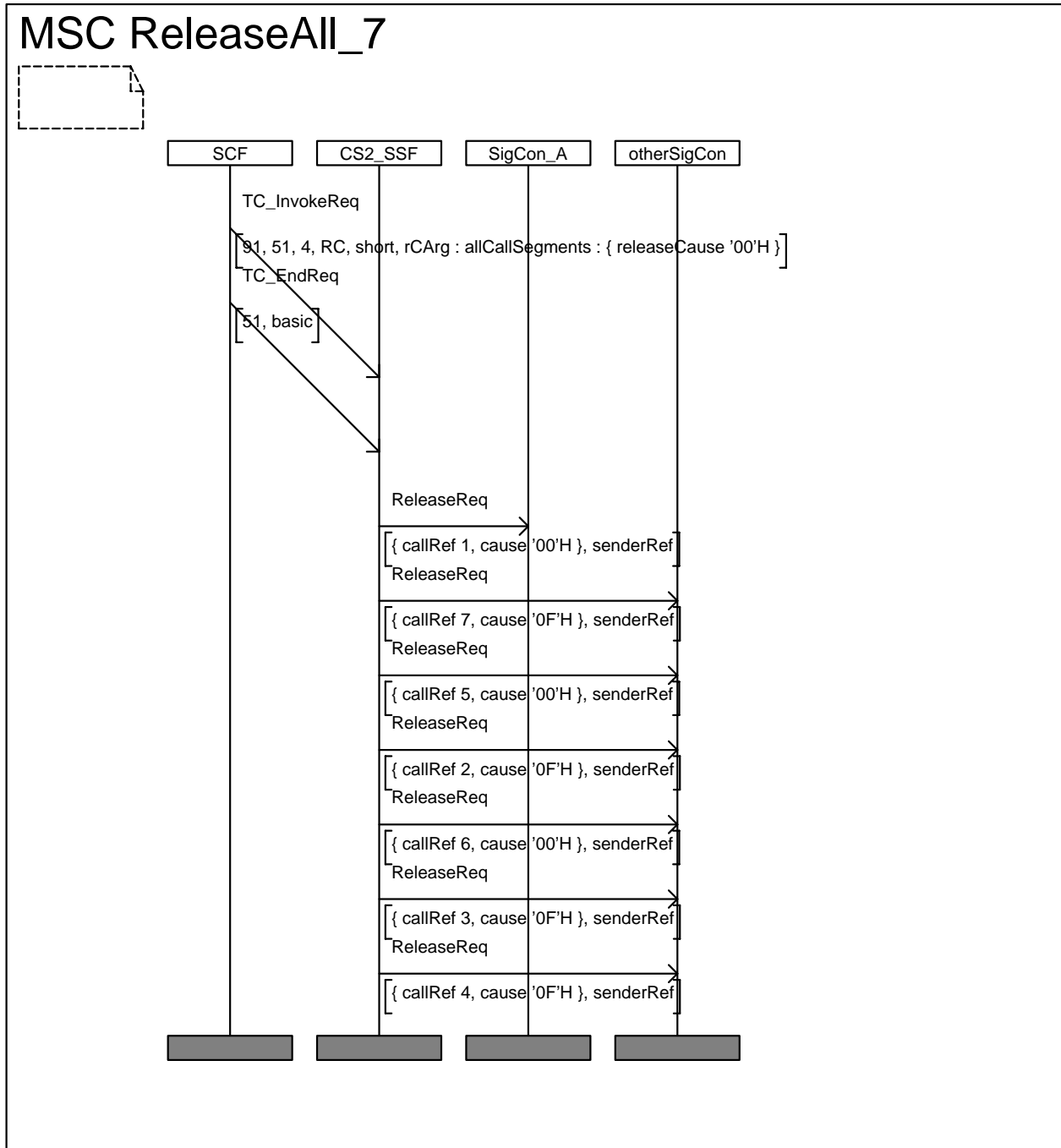
7.1.7.5 Postamble ReleaseAll_5



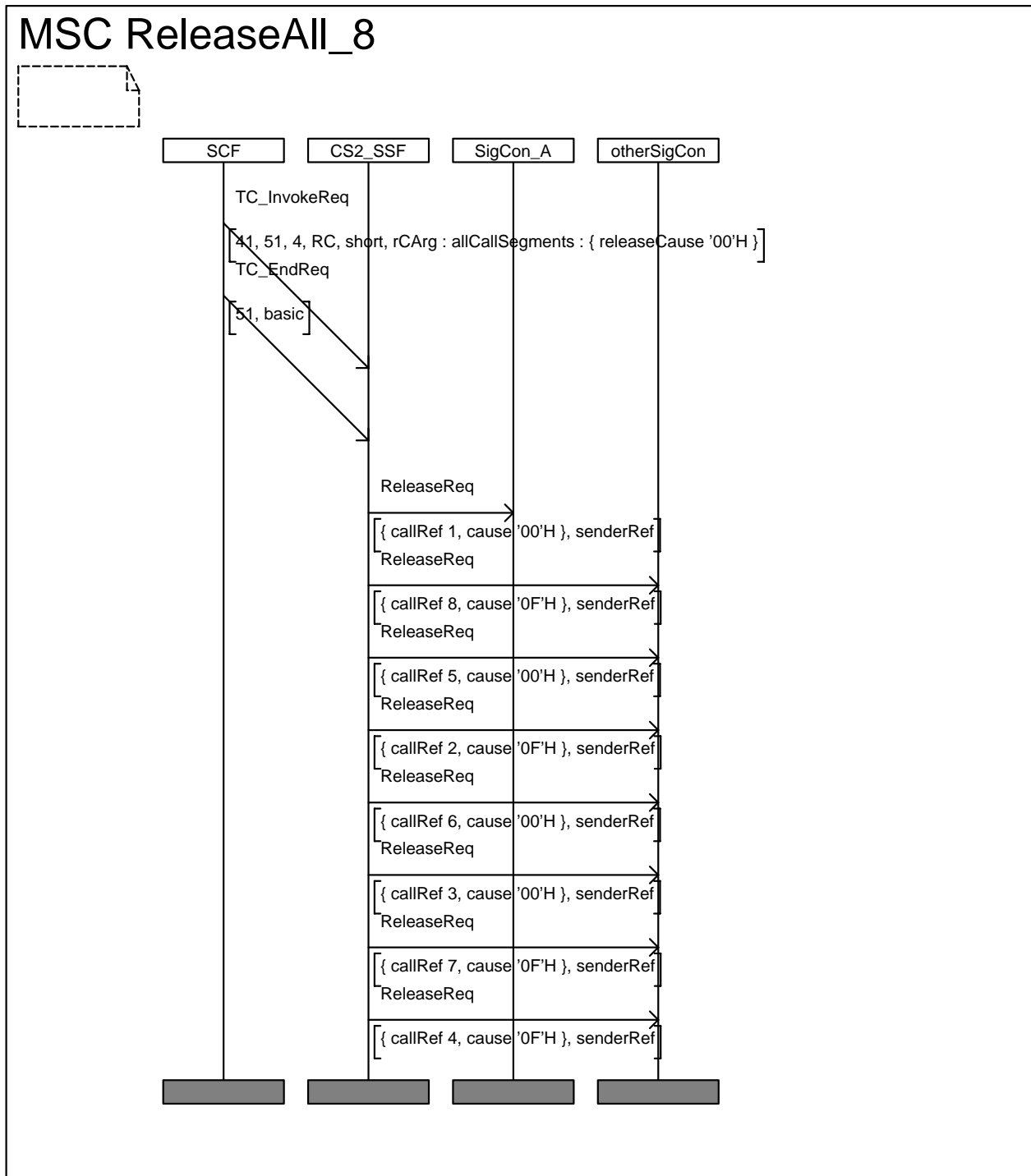
7.1.7.6 Postamble ReleaseAll_6



7.1.7.7 Postamble ReleaseAll_7



7.1.7.8 Postamble ReleaseAll_8



7.2 CPH procedures

7.2.1 List of procedures for CPH

CW	ContinueWithArgument
DL	DisconnectLeg
MC	MergeCallSegment
ML	MoveLeg
RC	ReleaseCall (CPH complement to CS1)
RO	Reconnect

RR RequestReportBCSMEvent (CPH complement to CS1)
 SL SplitLeg

7.2.2 Definitions of the CPH procedures

Dealing with CallSegments

See also `splitLeg`.

7.2.2.1 mergeCallSegments procedure

Invoke: `mergeCallSegments`
 Return Result: `True`
 Return Error: `mergeCallSegments`

7.2.2.2 releaseCall procedure

Invoke: `releaseCall`
 Return Result: `None`
 Return Error: `releaseCall`

7.2.2.3 continueWithArgument procedure

Invoke: `continueWithArgument`
 Return Result: `None`
 Return Error: `continueWithArgument`

Dealing with Legs of CallSegments

See also `Connect` and `Continue` (from CS1).

7.2.2.4 disconnectLeg procedure

Invoke: `disconnectLeg`
 Return Result: `True`
 Return Error: `disconnectLeg`

7.2.2.5 moveLeg procedure

Invoke: `moveLeg`
 Return Result: `True`
 Return Error: `moveLeg`

7.2.2.6 splitLeg procedure

Invoke: `splitLeg`
 Return Result: `True`
 Return Error: `splitLeg`

7.2.2.7 continueWithArgument procedure

Invoke: `continueWithArgument`
 Return Result: `None`
 Return Error: `continueWithArgument`

7.3 Structure of the test suite (TSS) for CPH

Table 1 shows the structure of the test suites for the test of CPH procedures in the SSF and the number of Test Purposes produced.

In addition, the test suite contains a list of test cases numbered from 1 to 102, with a few holes in the numbering corresponding to TPs dropped during the development.

Table 1: Test suite structure for testing the CPH procedures

IUT	Interface	Protocol component	Procedure	Category and number
SSF	SSF-SCF	CPH subset	MC MergeCall Segment	CA
				BV 2
				BI 1
				BO
			RC ReleaseCall	CA
				BV 3
				BI
				BO
			DL DisconnectLeg	CA
				BV 3
				BI 1
				BO
			ML MoveLeg	CA
				BV 3
				BI 1
				BO
RR RequestReport BCSMEvent	CA			
	BV 2			
	BI			
	BO			
SL SplitLeg	CA			
	BV 2			
	BI 1			
	BO			
CW ContinueWith Argument	CA			
	BV 3			
	BI 2			
	BO			

Total: 24

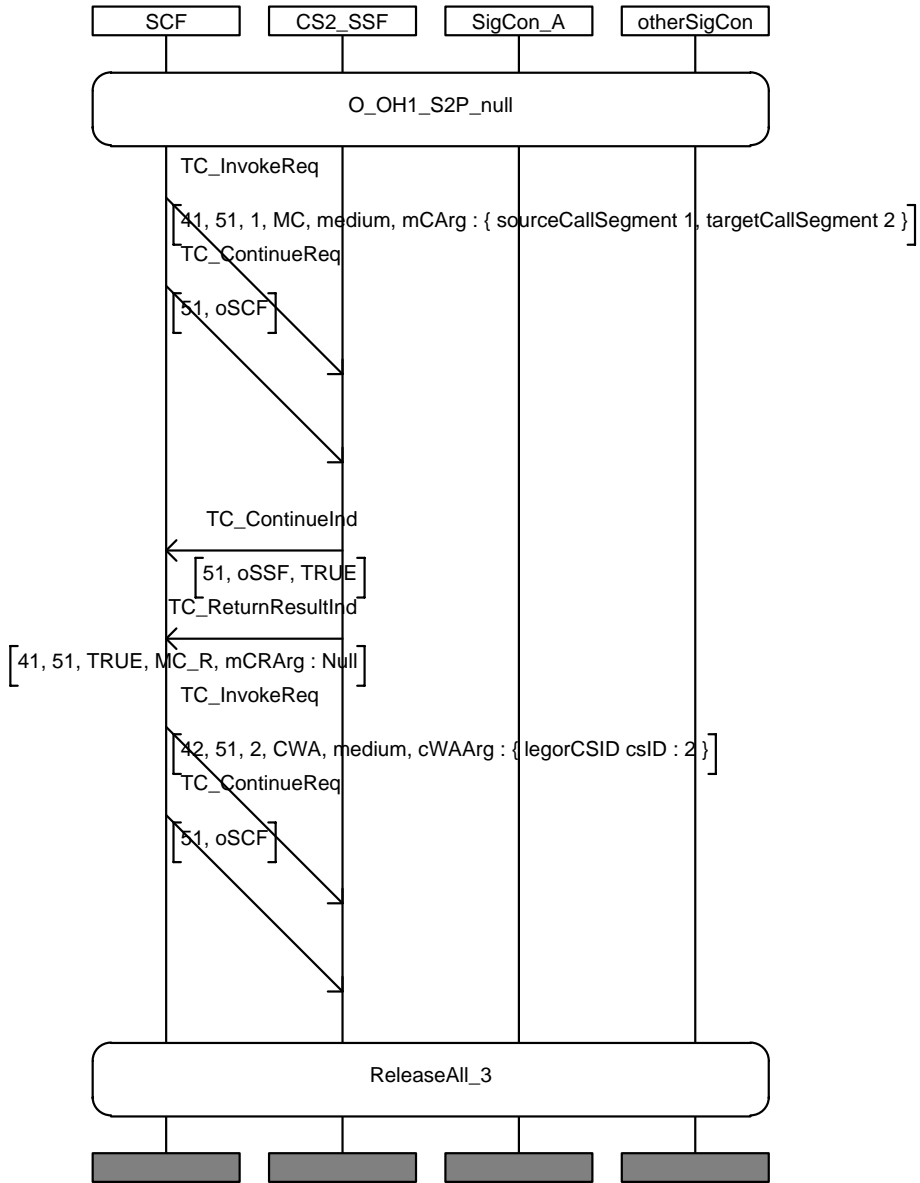
7.4 Test Purpose (TP) descriptions for the test of CPH procedures

SigCon A, B, C are the signalling controls for users A, B, C, etc and the IUT is a SSF while the main lower tester is an SCF.

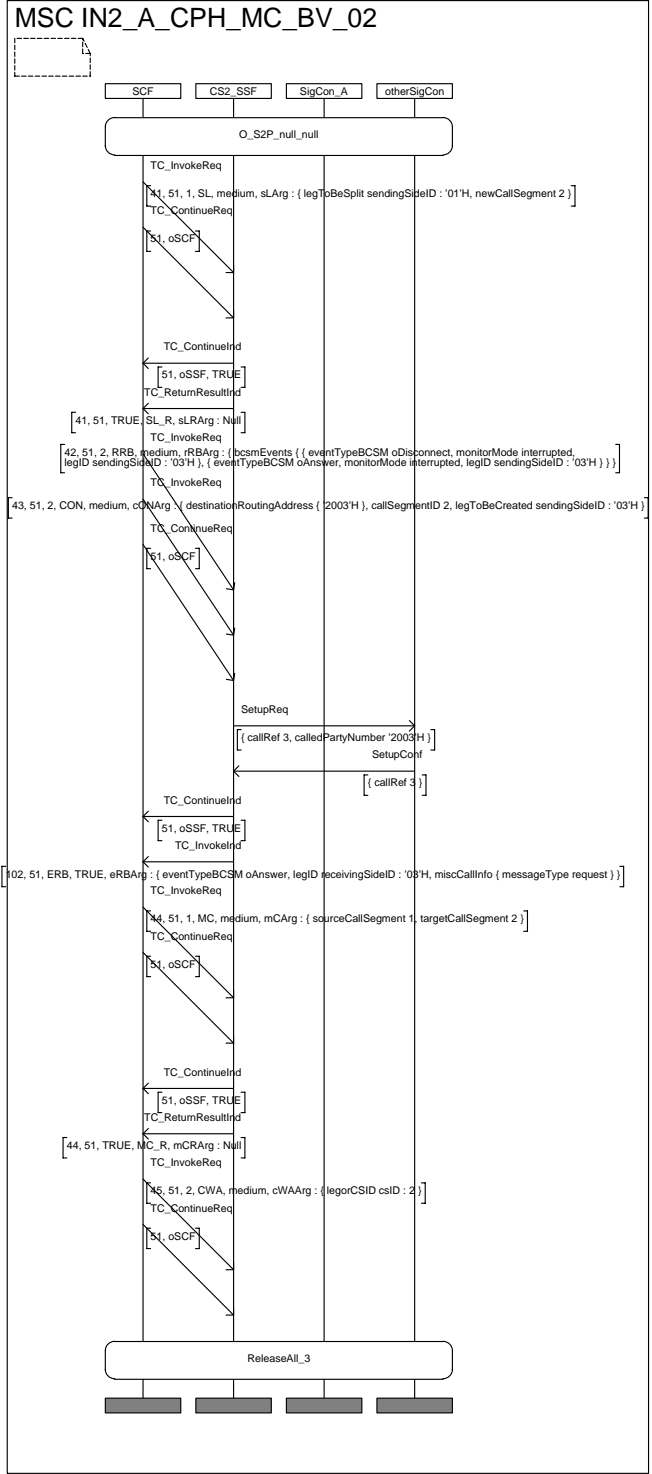
7.4.1 MergeCallSegment procedure (MC)

IN2_A_CPH_MC_BV_01	
Purpose:	test MergeCallSegment functionality
Requirement ref	
Selection Cond.	
Preamble:	O_OH(1)_S2P_null
Test description	SCF sends MergeCS_invoke to SSF with the following parameters : - sourceCS=1 - targetCS=2 followed by ContinueWithArgument with parameter csID = 2
Pass criteria	Check that the SSF sends a MergeCallSegmentsReturnResult
Postamble:	ReleaseAll_3

MSC IN2_A_CPH_MC_BV_01

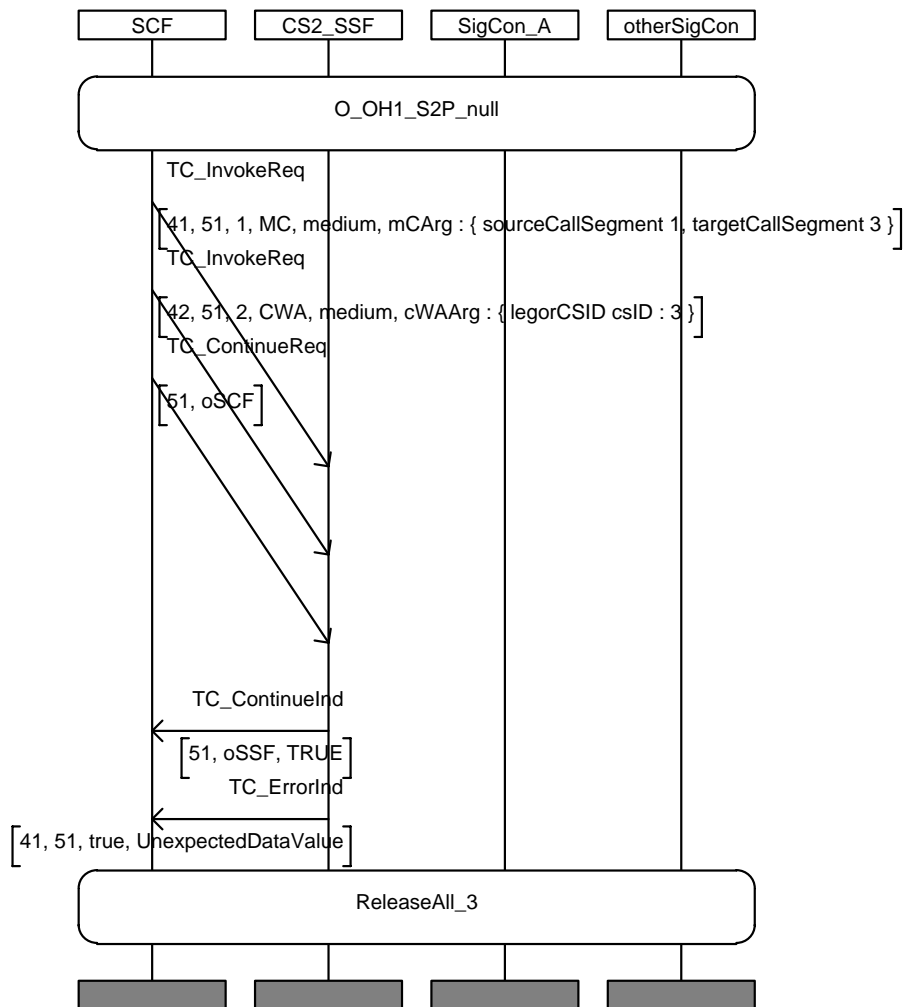


IN2_A_CPH_MC_BV_02	
Purpose:	test that armed DP are kept after MergeCS
Requirement ref	
Selection Cond.	
Preamble:	O_S2P_null_null
Test description	<p>Arm of the DP, then establishment of configuration: SCF sends to SSF a SplitLeg_invoke containing at least the parameters:</p> <ul style="list-style-type: none"> - legToBeSplit=1 - newCallSegment=2 <p>followed by ContinueWithArgument on csID=1 followed by ReqRepBCSMEvent_invoke containing at least the parameters:</p> <ul style="list-style-type: none"> - eventTypeBCSM= oDisconnect - monitoringMode= interrupted - legId=3 <p>and</p> <ul style="list-style-type: none"> - eventTypeBCSM= oAnswer - monitoringMode= interrupted - legId=3 <p>followed by Connect_invoke containing at least the parameter:</p> <ul style="list-style-type: none"> - legToBeCreated=3 - callSegmentID=2 <p>SSF establishes a link to SigCon C (send SetupReq, answered with SetupConf, then SetUpResp to sigconA)</p> <p>then SCF sends MergeCS_invoke with parameters:</p> <ul style="list-style-type: none"> - sourceCS=1 - targetCS=2 <p>followed by ContinueWithArgument on csID=2</p>
Pass criteria	<p>Check that SSF sends SplitLegReturnResult , and a MergeCallSegmentsReturnResult</p> <p>Check that the armed DP follows the leg which was merged, i.e. when SigCon C sends ReleaseInd to SSF, SSF sends to SCF an EventReportBCSM</p>
Postamble:	ReleaseAll_3

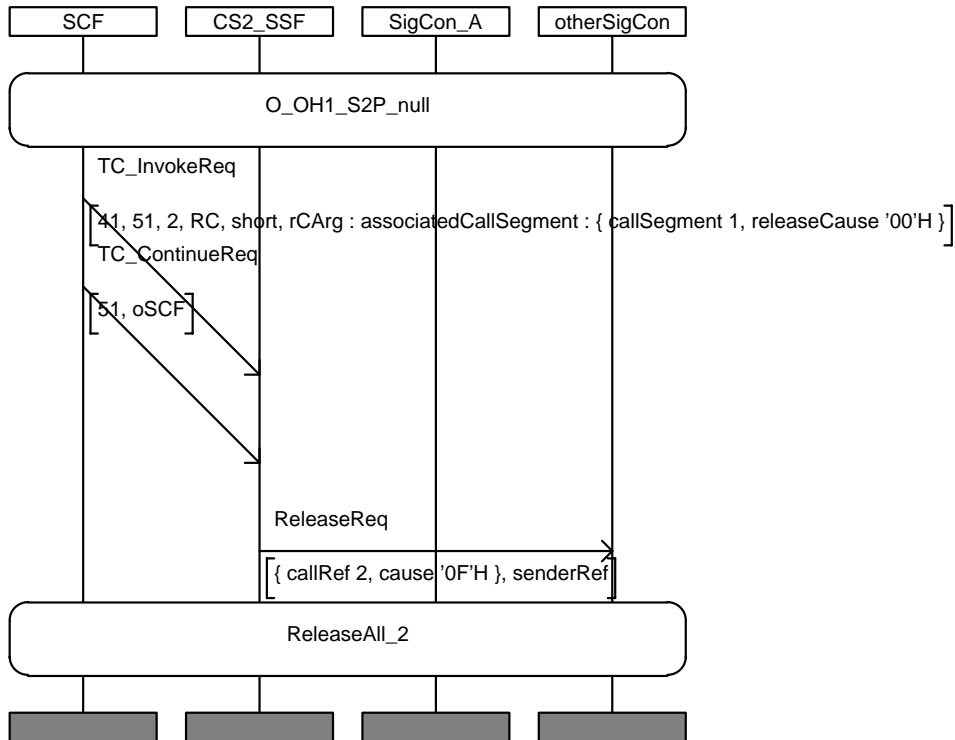


IN2_A_CPH_MC_BI_01	
Purpose:	test that MergeCS is rejected when wrong parameter is used
Requirement ref	
Selection Cond.	
Preamble:	O_OH(1)_S2P_null
Test description	SCF sends MergeCS_invoke with parameters: - sourceCS=1 - targetCS=3 followed by ContinueWithArgument on csID=3
Pass criteria	as CS=3 does not exist, Check that SSF sends to SCF a MergeCS_err containing the parameter: - unexpected data value
Postamble:	ReleaseAll_3

MSC IN2m_A_CPH_MC_BI_01

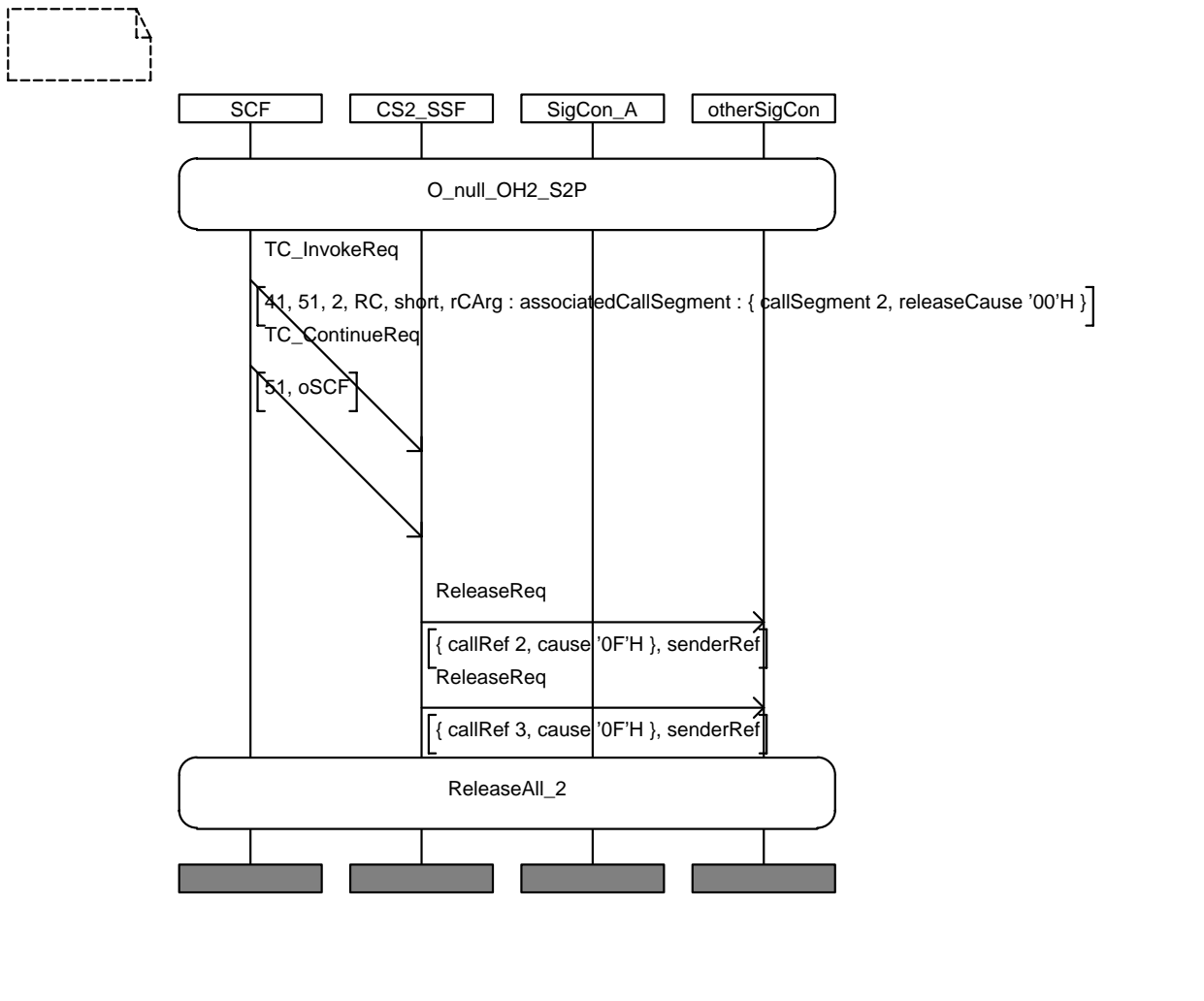


MSC IN2_A_CPH_RC_BV_01



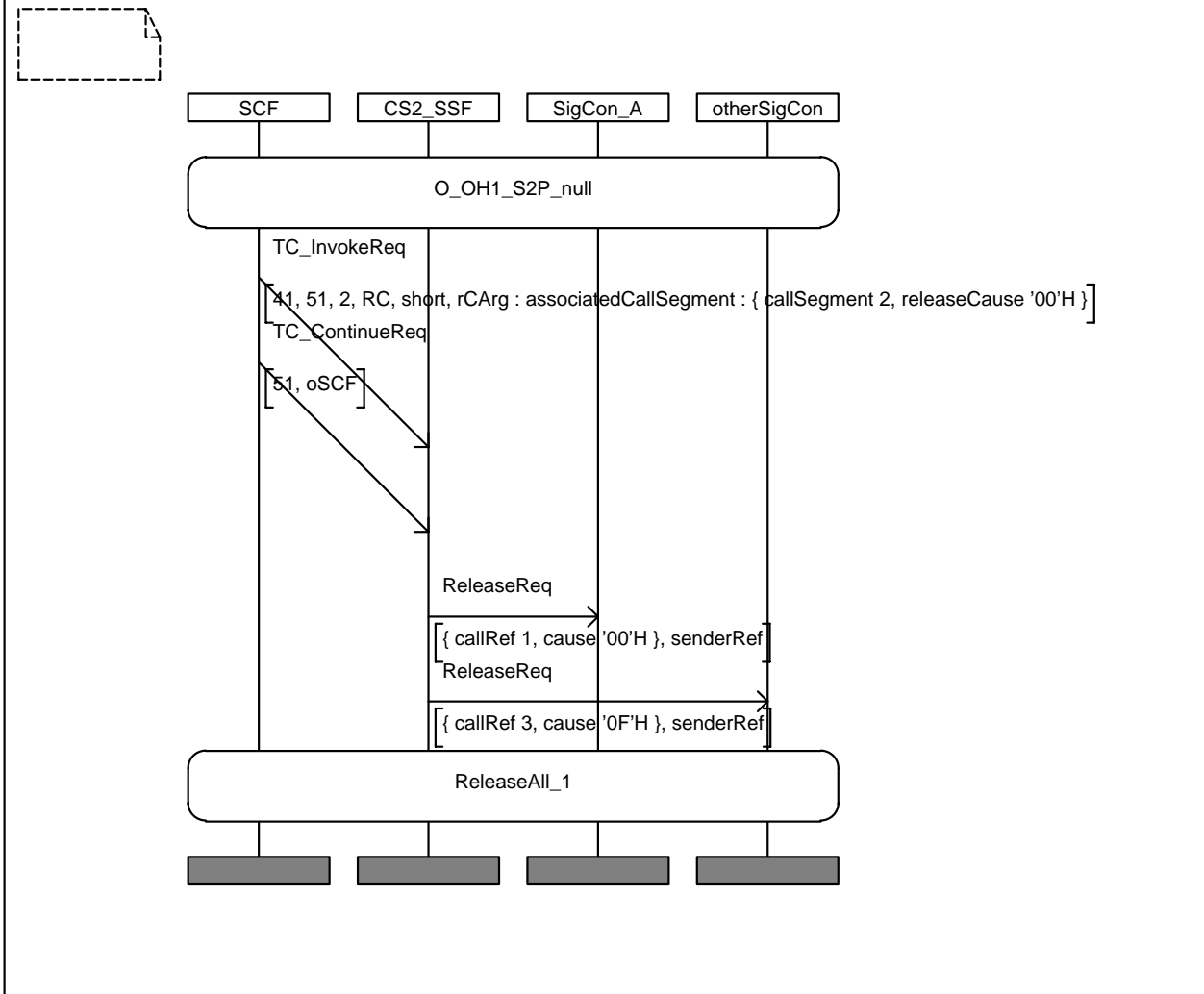
IN2_A_CPH_RC_BV_02	
Purpose:	test release of a given Csid, two legs
Requirement ref	
Selection Cond.	
Preamble:	O_null_OH(2)_S2P
Test description	SCF sends ReleaseCall_invoke to SSF with the following parameters : <ul style="list-style-type: none"> - cause=normal unspecified - CSid=2
Pass criteria	Check that SSF sends to SigConC and to SigConD a ReleaseReq as Csid=2 contains leg=3 to SigCon C and leg4 to SigconD
Postamble:	ReleaseAll_2

MSC IN2_A_CPH_RC_BV_02



IN2_A_CPH_RC_BV_03	
Purpose:	Test of ReleaseCall procedure with two parties
Requirement ref	
Selection Cond.	
Preamble:	O_OH(1)_S2P_null
Test description	SCF sends to SSF ReleaseCall invoke, with: <ul style="list-style-type: none"> - associatedCallSegment callSegment(Csld=2) releaseCause(cause=00)
Pass criteria	Check that SSF releases the call (ReleaseReq received by SigConA and SigConC)
Postamble:	ReleaseAll_1

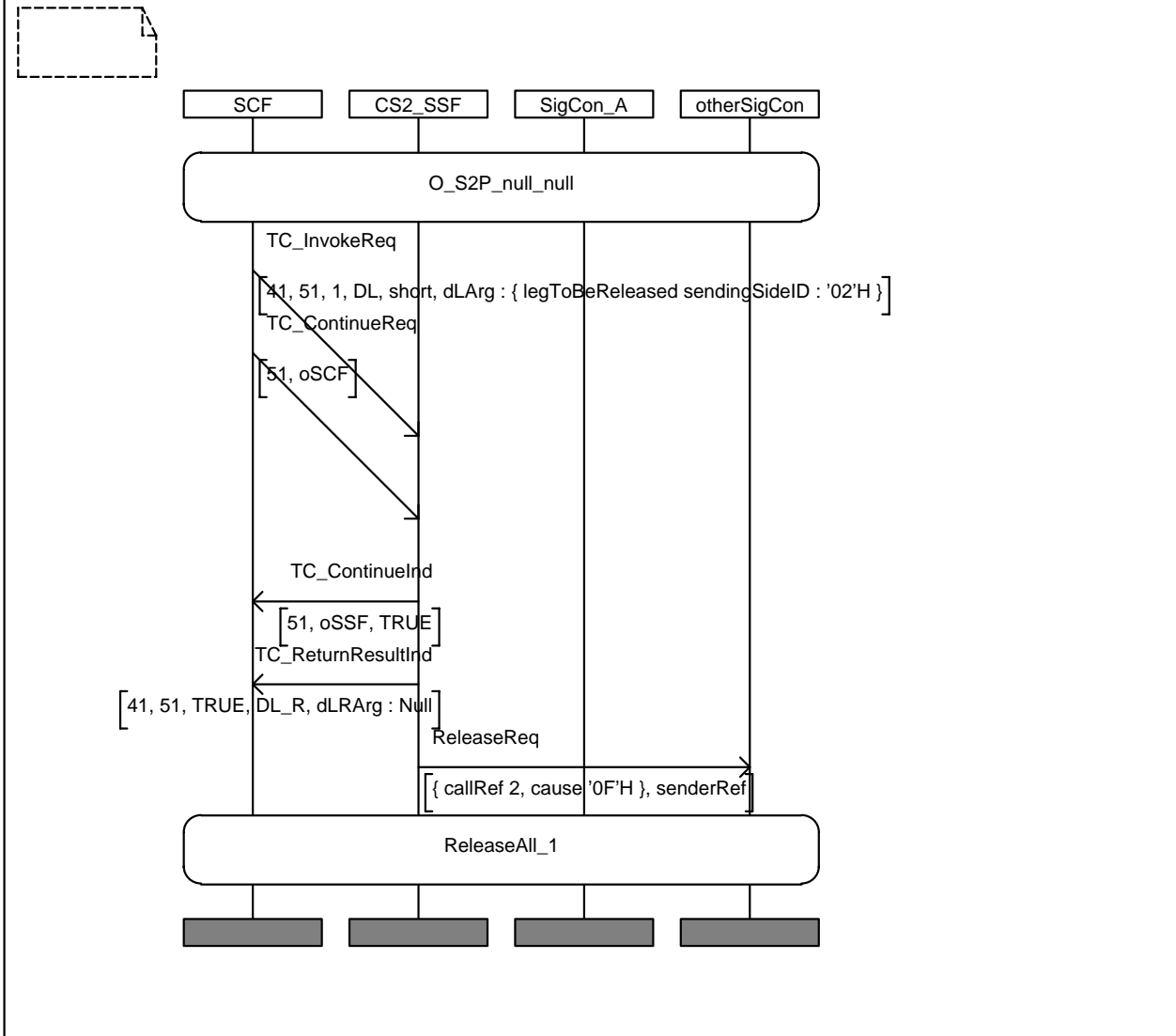
MSC IN2_A_CPH_RC_BV_03



7.4.4 DisconnectLeg Procedure (DL)

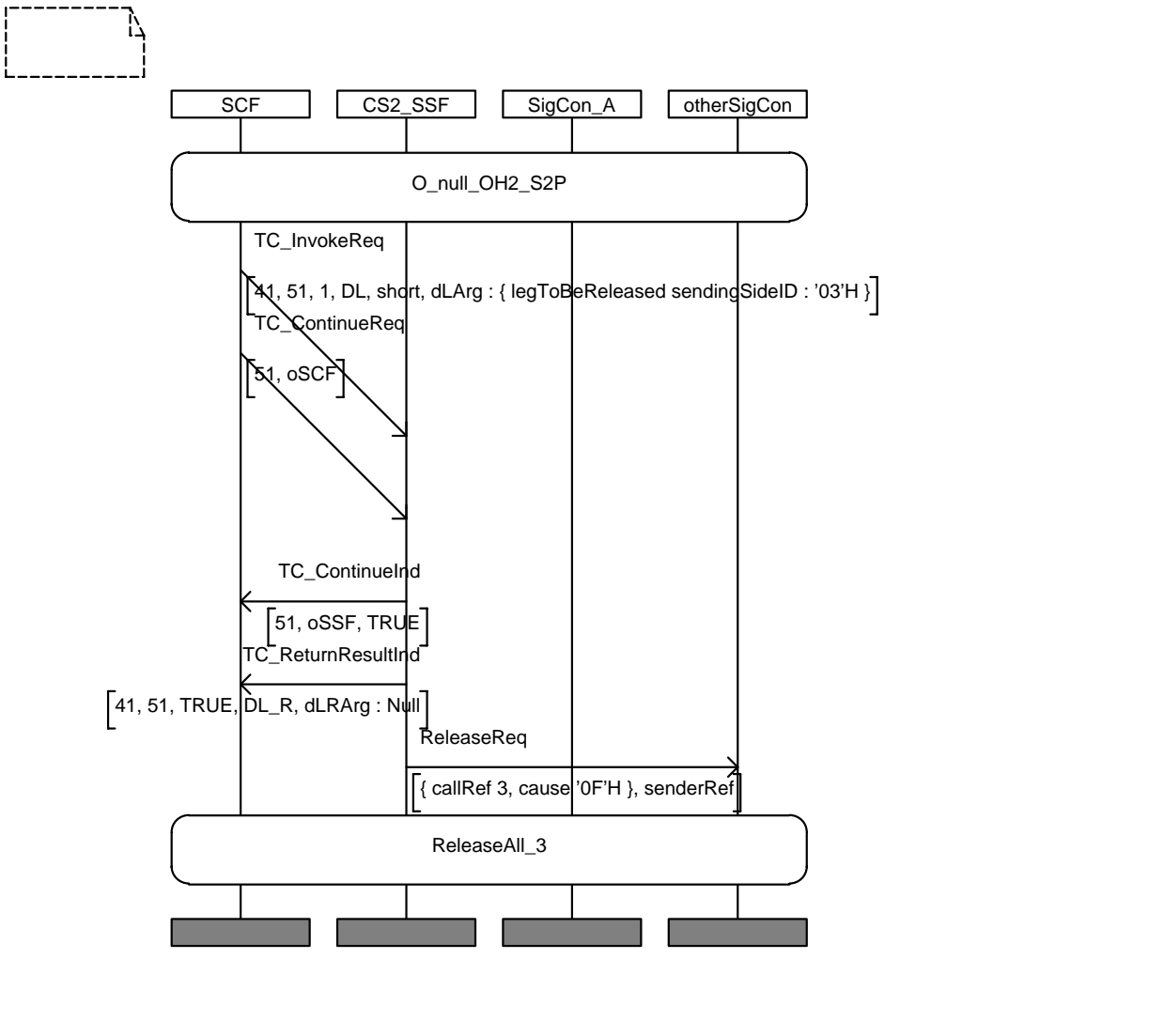
IN2_A_CPH_DL_BV_01	
Purpose:	test Disconnect leg in Csid1
Requirement ref	
Selection Cond.	
Preamble:	O_S2P_null_null
Test description	SCF sends DisconnectLeg_invoke to SSF with the following parameters : - legToBeReleased=2
Pass criteria	Check SSF sends a DisconnectLegReturnResult Check that SSF sends to SigConB a ReleaseReq as it is addressed to leg=2 linked to SigCon B
Postamble:	ReleaseAll_1

MSC IN2_A_CPH_DL_BV_01



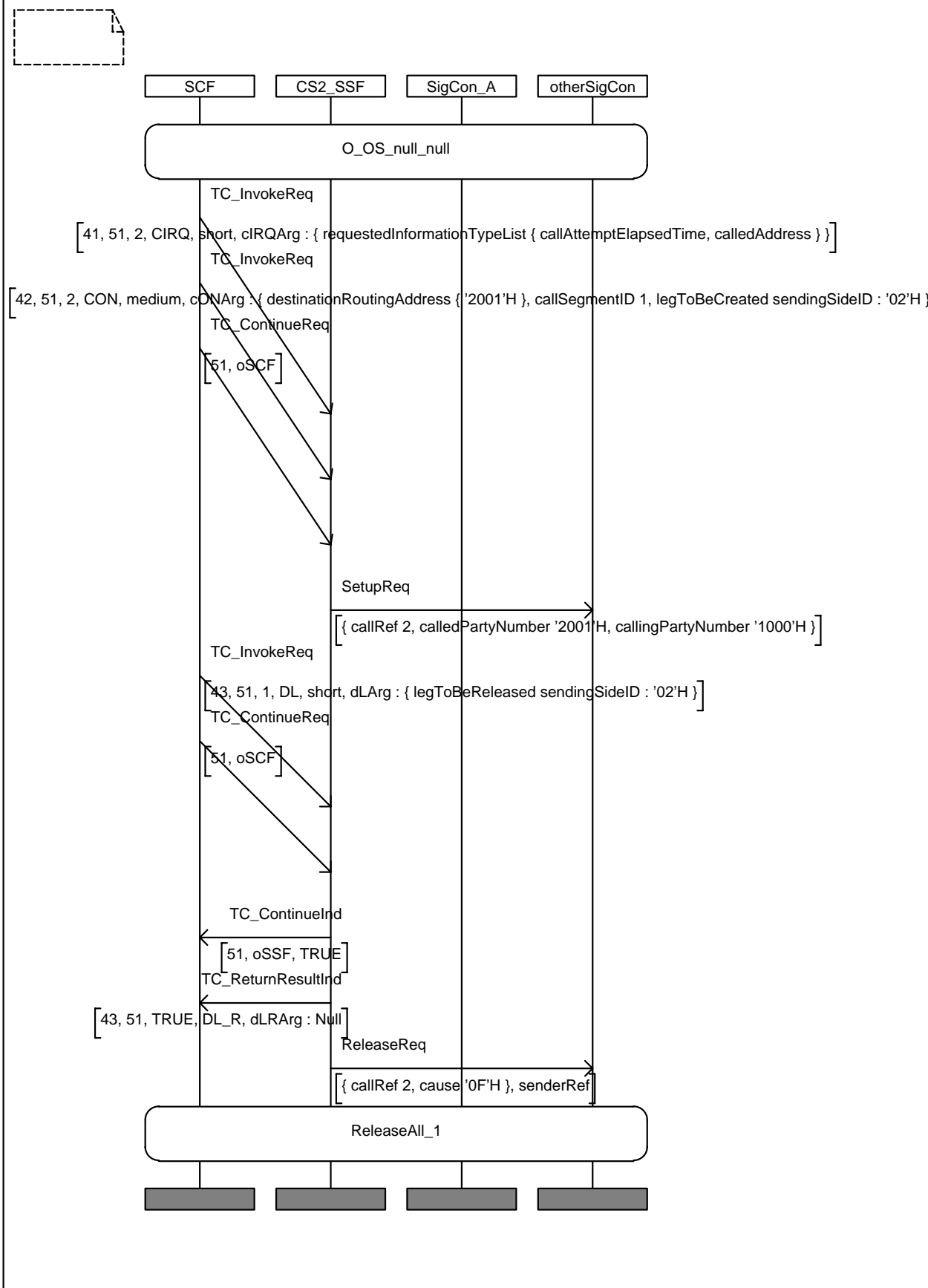
IN2_A_CPH_DL_BV_02	
Purpose:	test Disconnect one leg of a multileg Csid
Requirement ref	
Selection Cond.	
Preamble:	O_null_OH(2)_S2P
Test description	SCF sends DisconnectLeg_invoke to SSF with the following parameters : - legToBeReleased=3
Pass criteria	Check SSF sends a DisconnectLegReturnResult Check that SSF sends to SigConC a ReleaseReq as it is addressed to leg=3 in Csid2 and is linked to SigCon C
Postamble:	ReleaseAll_3

MSC IN2_A_CPH_DL_BV_02



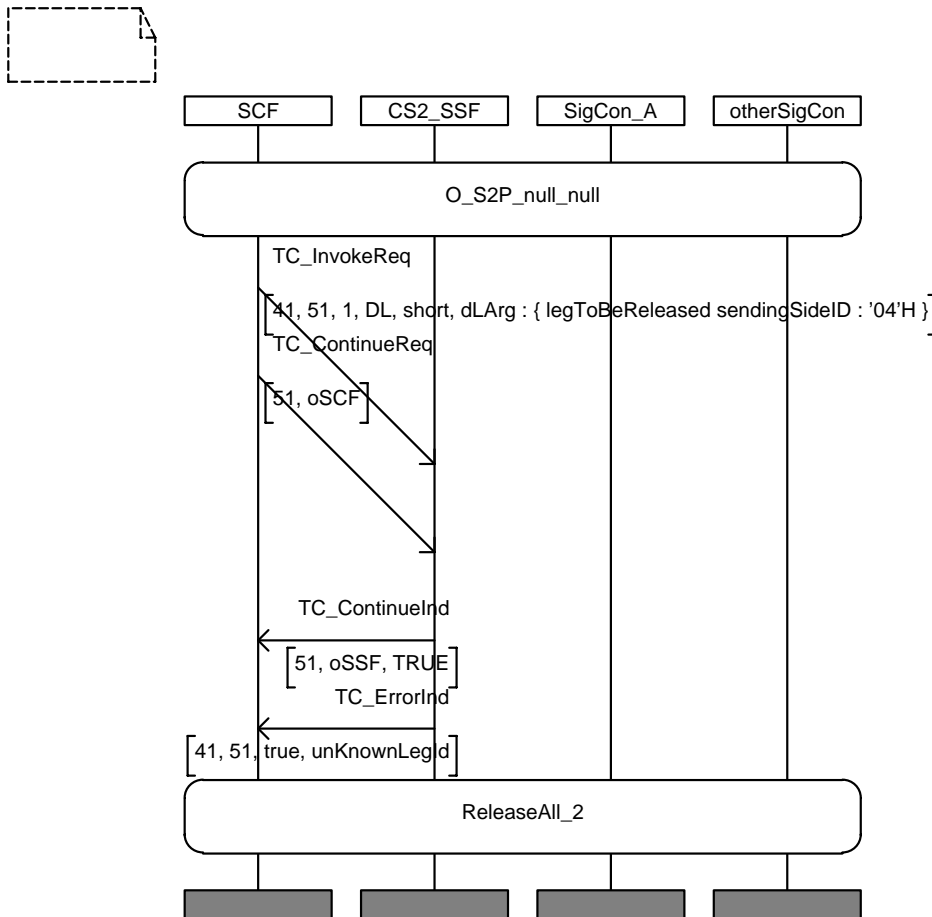
IN2_A_CPH_DL_BV_03	
Purpose:	test that armed DP are disarmed after DisconnectLeg and pending reports are sent
Requirement ref	
Selection Cond.	
Preamble:	O_S2P_null_null
Test description	SCF sends CallInformationRequest_invoke to SSF with the following parameter : - requestedInformationType=any valid type followed by DisconnectLeg_invoke with the following parameter : - legToBeReleased=2
Pass criteria	Check SSF sends a DisconnectLegReturnResult Check that SSF sends to SCF a CallInformationReport and sends to SigConB a ReleaseReq
Postamble:	ReleaseAll_1

MSC IN2_A_CPH_DL_BV_03



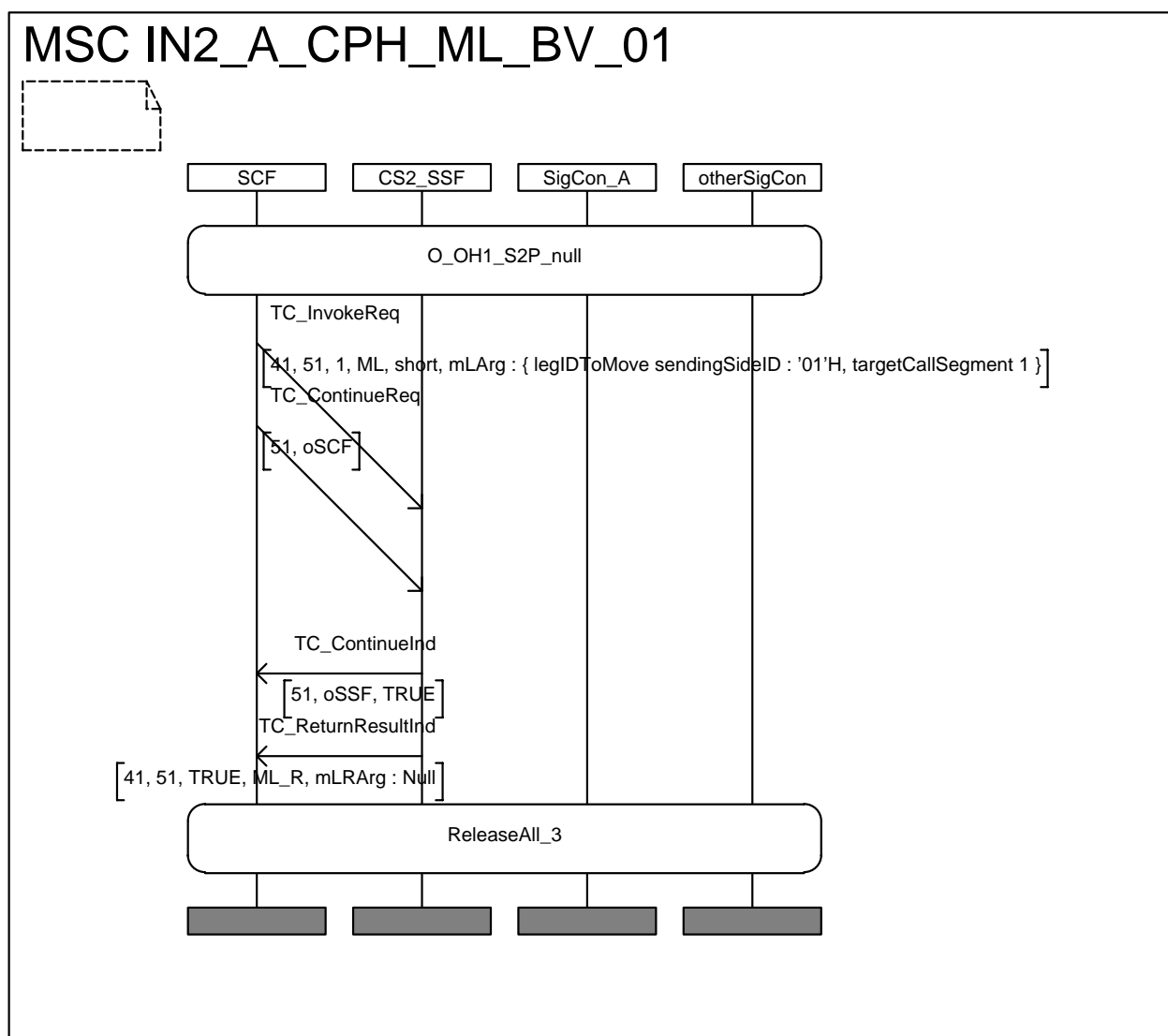
IN2_A_CPH_DL_BI_01	
Purpose:	test that DisconnectLeg is rejected when wrong parameter is used
Requirement ref	
Selection Cond.	
Preamble:	O_S2P_null_null
Test description	SCF sends DisconnectLeg_invoke with parameters: - legId=4
Pass criteria	as legId=4 does not exist, Check that SSF sends to SCF a DisconnectLeg_err containing the parameter: - unknownLegId
Postamble:	ReleaseAll_2

MSC IN2m_A_CPH_DL_BI_01



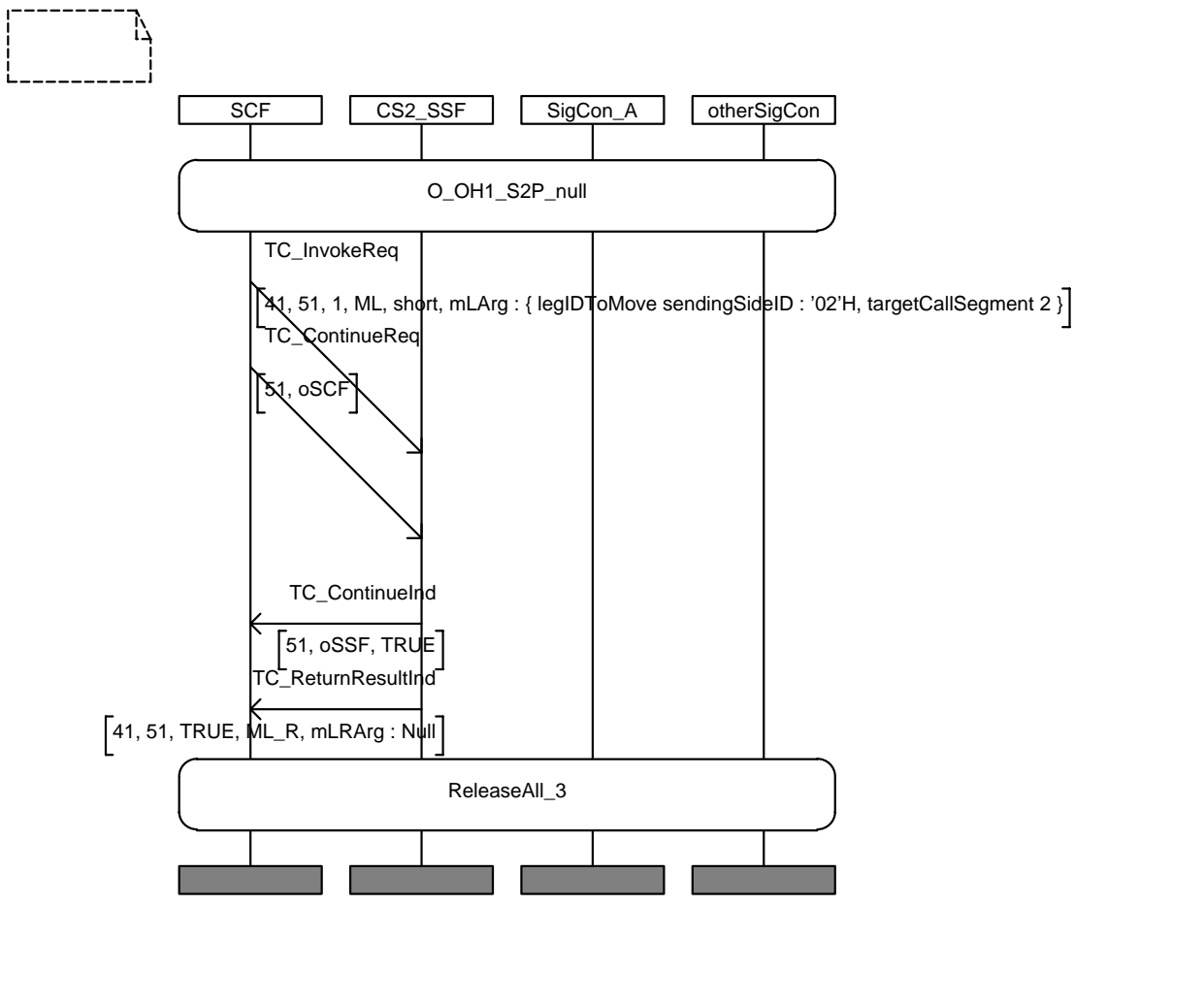
7.4.5 MoveLeg Procedure (ML)

IN2_A_CPH_ML_BV_01	
Purpose:	test Moveleg functionality
Requirement ref	
Selection Cond.	
Preamble:	O_OH(1)_S2P_null
Test description	SCF sends MoveLeg_invoke to SSF with the following parameters : - legIDToMove=1 - targetCallSegment=1
Pass criteria	Check that the SSF sends MoveLegReturnResult
Postamble:	ReleaseAll_3

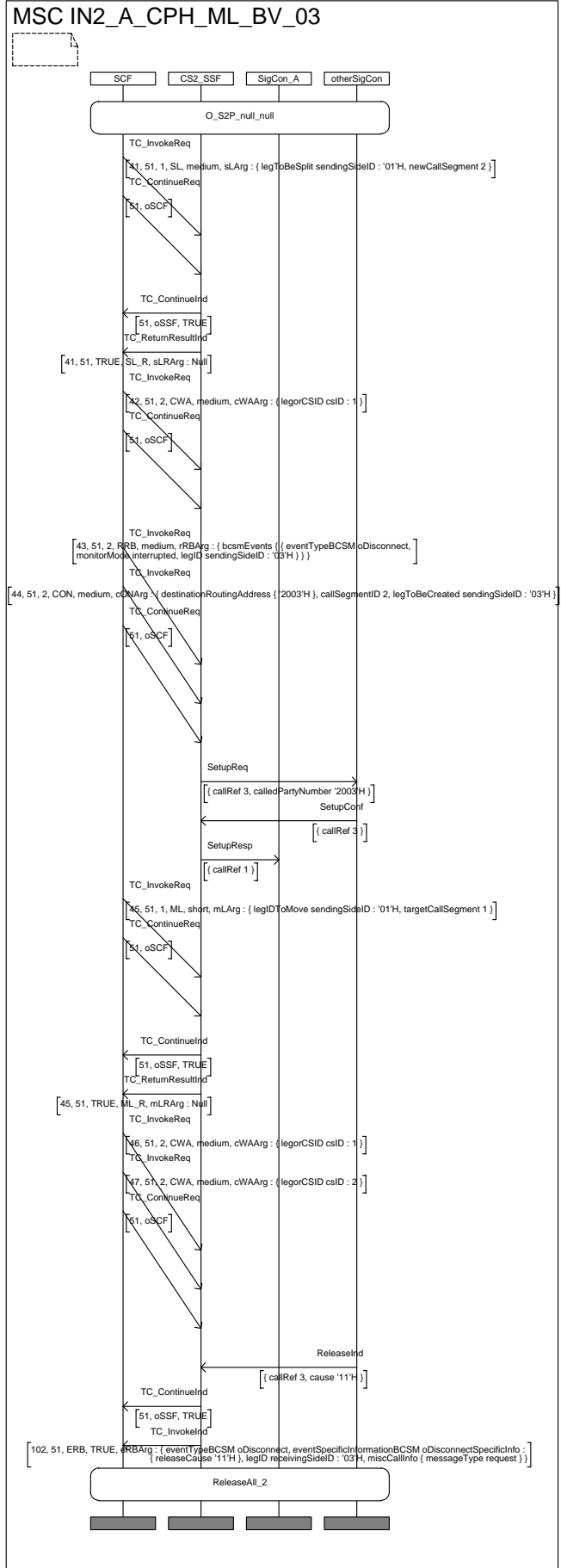


IN2_A_CPH_ML_BV_02	
Purpose:	test Moveleg functionality
Requirement ref	
Selection Cond.	
Preamble:	O_OH(1)_S2P_null
Test description	SCF sends MoveLeg_invoke to SSF with the following parameters : - legIdToMove=2 - targetCallSegment=2
Pass criteria	Check that the SSF sends MoveLegReturnResult
Postamble:	ReleaseAll_3

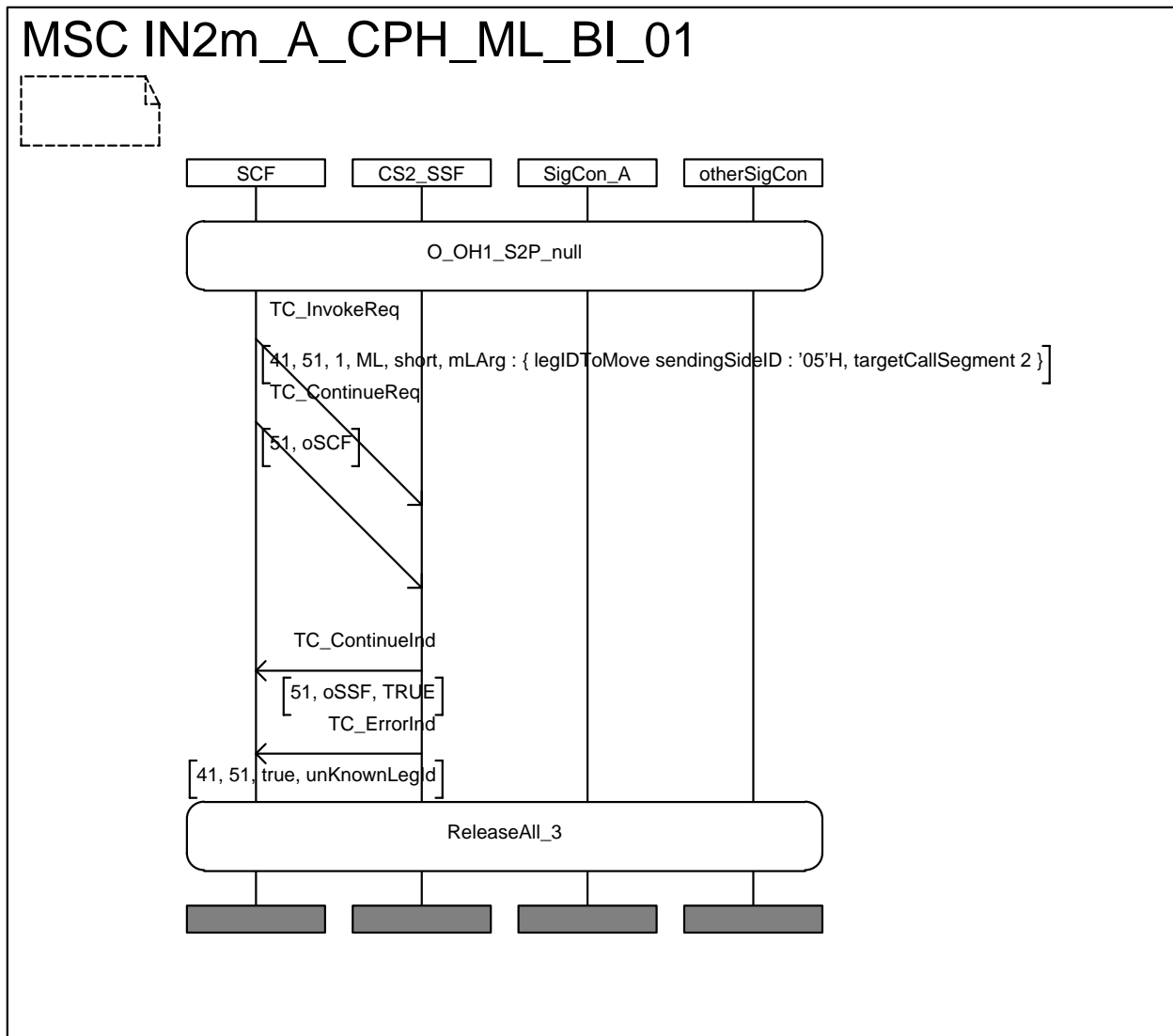
MSC IN2_A_CPH_ML_BV_02



IN2_A_CPH_ML_BV_03	
Purpose:	test Event reporting rules apply after MoveLeg
Requirement ref	
Selection Cond.	
Preamble:	O_S2P_null_null
Test description	<p>SigConB sends SetupConf, SCF sends SplitLeg</p> <ul style="list-style-type: none"> - legToBeSplit=1 - newCallSegment=2 <p>followed by ContinueWithArgument for csID=1 SCF sends RequestReportBCSM (oDisconnect, legID=3), SCF send Connect (callSegmentID=2,legToBeCreated=3).</p> <p>After SetupReq is received at SigConC, which is answered with SetUpConf, SCF sends MoveLeg_invoke to SSF with the following parameters :</p> <ul style="list-style-type: none"> - legIDToMove=1 - targetCallSegment=1 <p>followed by ContinueWithArgument for csID=1 and 2. SigConC send ReleaseInd with cause BptyDisc.</p>
Pass criteria	<p>Check that the SSF sends MoveLegReturnResult, Check that after ReleaseInd from SigConC, the EventReportBCSM is received with indication oDisconnect.</p>
Postamble:	ReleaseAll_2



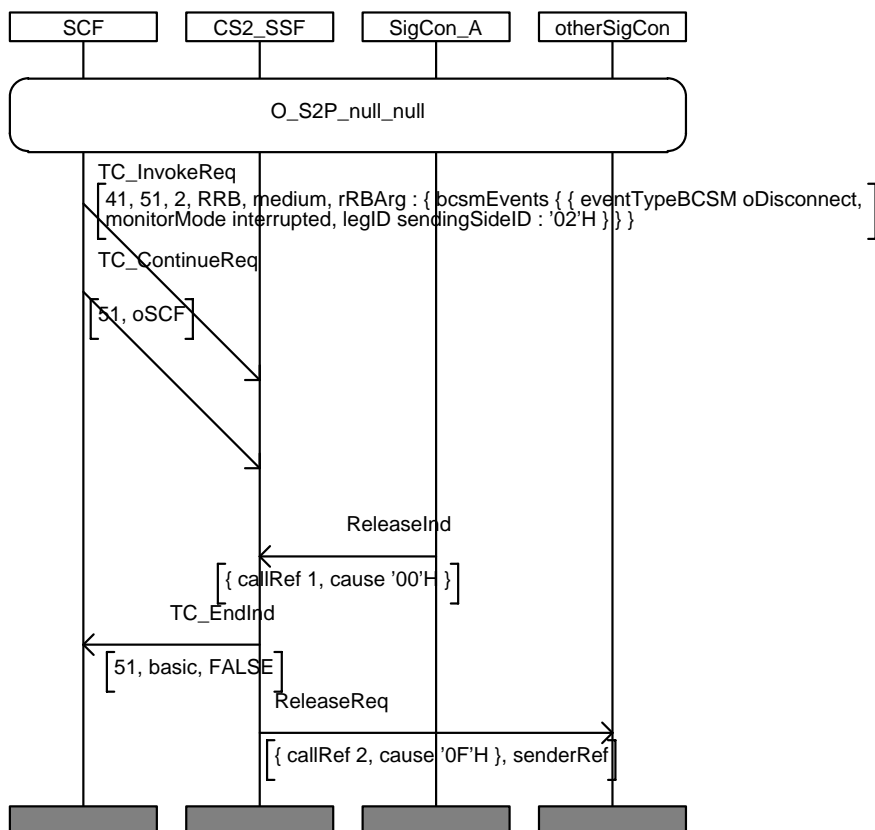
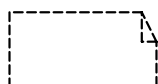
IN2_A_CPH_ML_BI_01	
Purpose:	test that SSF sends an error after a MoveLeg with wrong parameters
Requirement ref	
Selection Cond.	
Preamble:	O_OH(1)_S2P_null
Test description	SCF sends MoveLeg_invoke to SSF with the following parameters : <ul style="list-style-type: none">- legIdToMove=5- targetCallSegment=2
Pass criteria	as legId=5 does not exist, check that SSF sends to SCF a MoveLeg_err containing the parameter: <ul style="list-style-type: none">- unknownLegId
Postamble:	ReleaseAll_3



7.4.6 RequestReportBCSMEvent Procedure (CS2 additions) (RR)

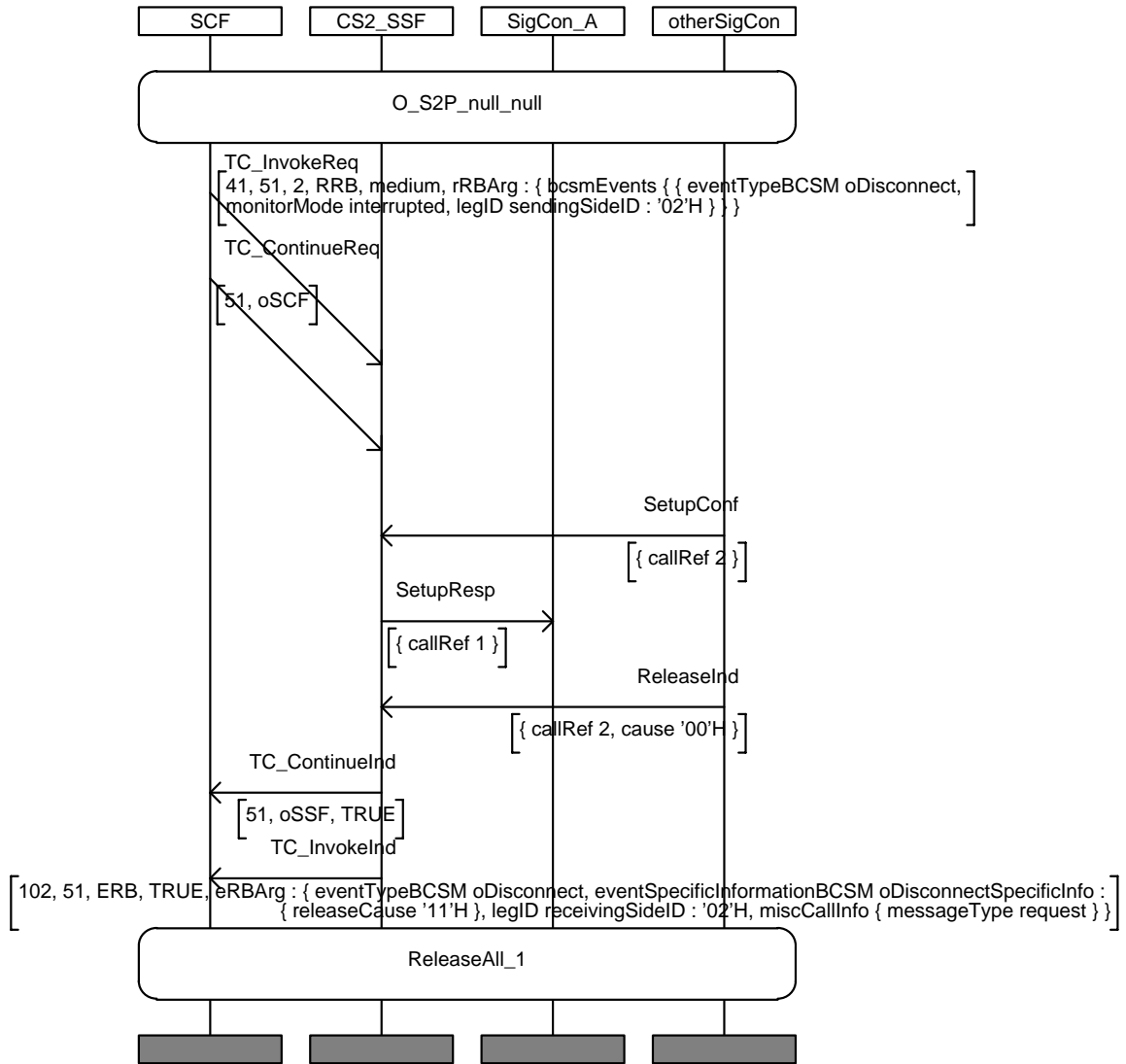
IN2_A_CPH_RR_BV_01	
Purpose:	Test of RequestReportBCSMEvent procedure and oDisconnect indication.
Requirement ref	
Selection Cond.	
Preamble:	O_S2P_null_null
Test description	SCF SCF sends to SSF RequestReportBCSMEvent invoke containing parameters <ul style="list-style-type: none"> - eventTypeBCSM= oDisconnect - monitoringMode=interrupted - legid=2 Then SigCon A (calling party) clears the call before it is answered (ReleaseInd sent)
Pass criteria	<ul style="list-style-type: none"> - Check that SSF does not send to SCF an EventReportBCSM because the detection point was armed for leg2 - Check that SSF is ending the dialogue with SCF and releasing SigConB (ReleaseReq sent)
Postamble:	none

MSC IN2_A_CPH_RR_BV_01



IN2_A_CPH_RR_BV_02	
Purpose:	Test of RequestReportBCSMEvent procedure and oDisconnect indication.
Requirement ref	
Selection Cond.	
Preamble:	O_S2P_null_null
Test description	SCF SCF sends to SSF RequestReportBCSMEvent invoke containing parameters - eventTypeBCSM= oDisconnect - monitoringMode=interrupted - legid=2 Then SigCon B (called party) clears the call after it is answered (SetupConf then ReleaseInd sent)
Pass criteria	Check that SSF sends to SCF an EventReportBCSM with the indication of eventTypeBCSM= oDisconnect
Postamble:	ReleaseAll_1

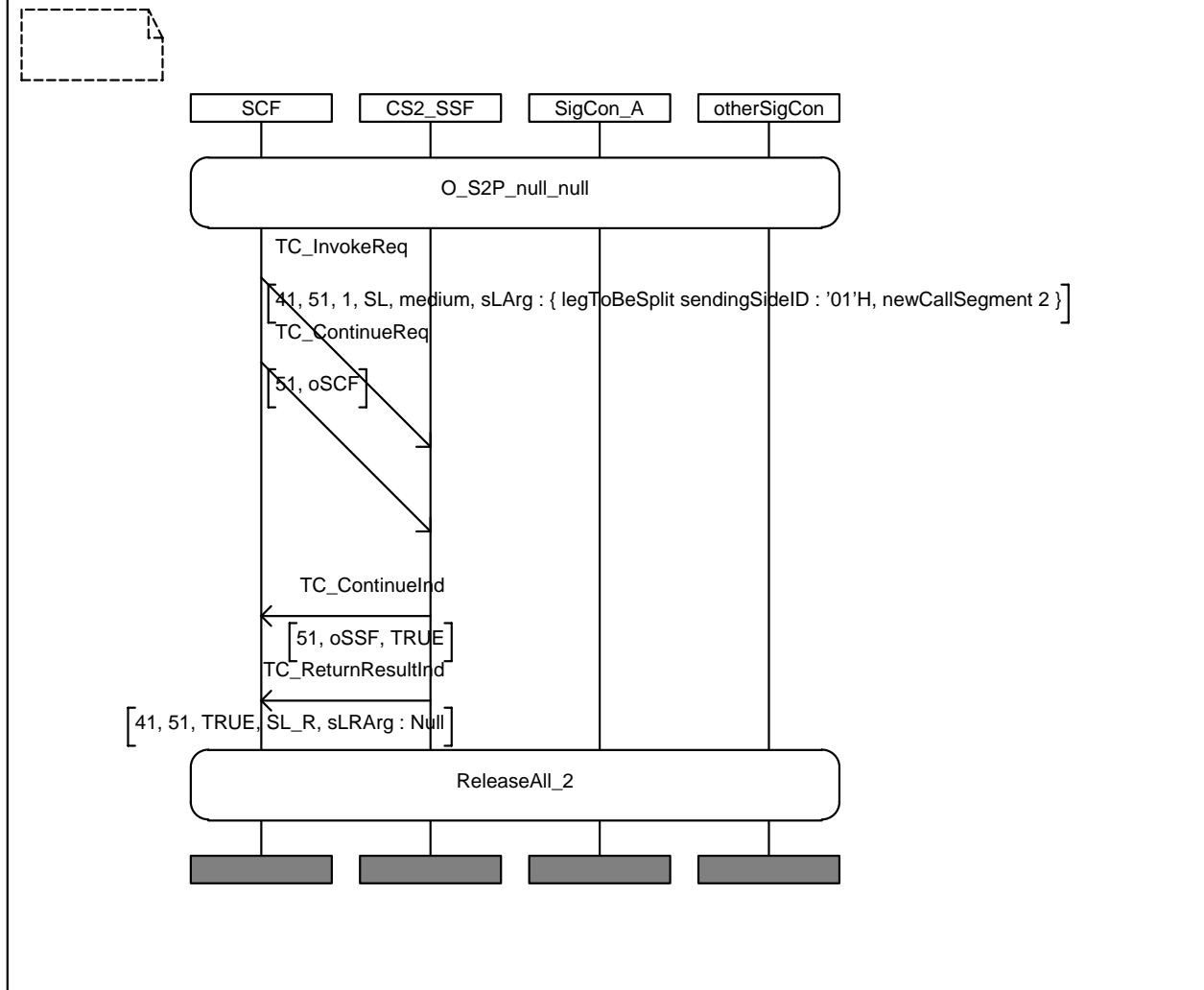
MSC IN2_A_CPH_RR_BV_02



7.4.7 SplitLeg Procedure (SL)

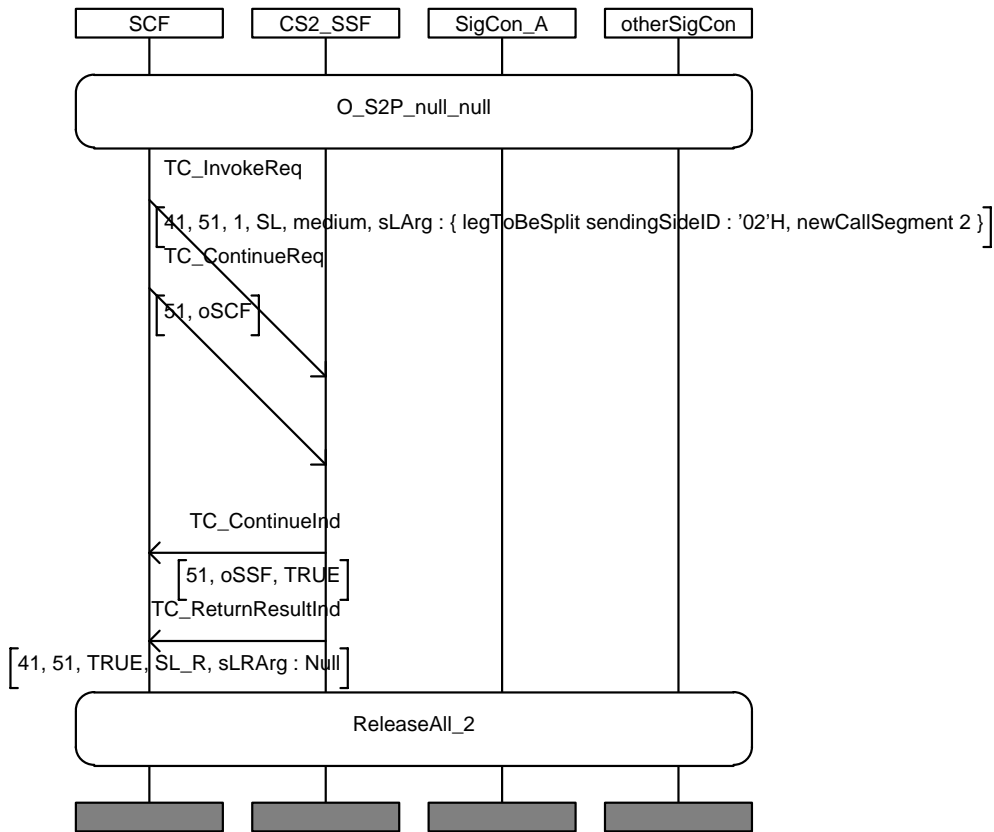
IN2_A_CPH_SL_BV_01	
Purpose:	Test of splitLeg procedure functionality
Requirement ref	
Selection Cond.	
Preamble:	O_S2P_null_null
Test description	SCF sends to SSF a SplitLeg_invoke containing at least the parameters: - legToBeSplit=1 - newCallSegment=2
Pass criteria	Check that the SSF sends SplitLegReturnResult
Postamble:	ReleaseAll_2

MSC IN2_A_CPH_SL_BV_01



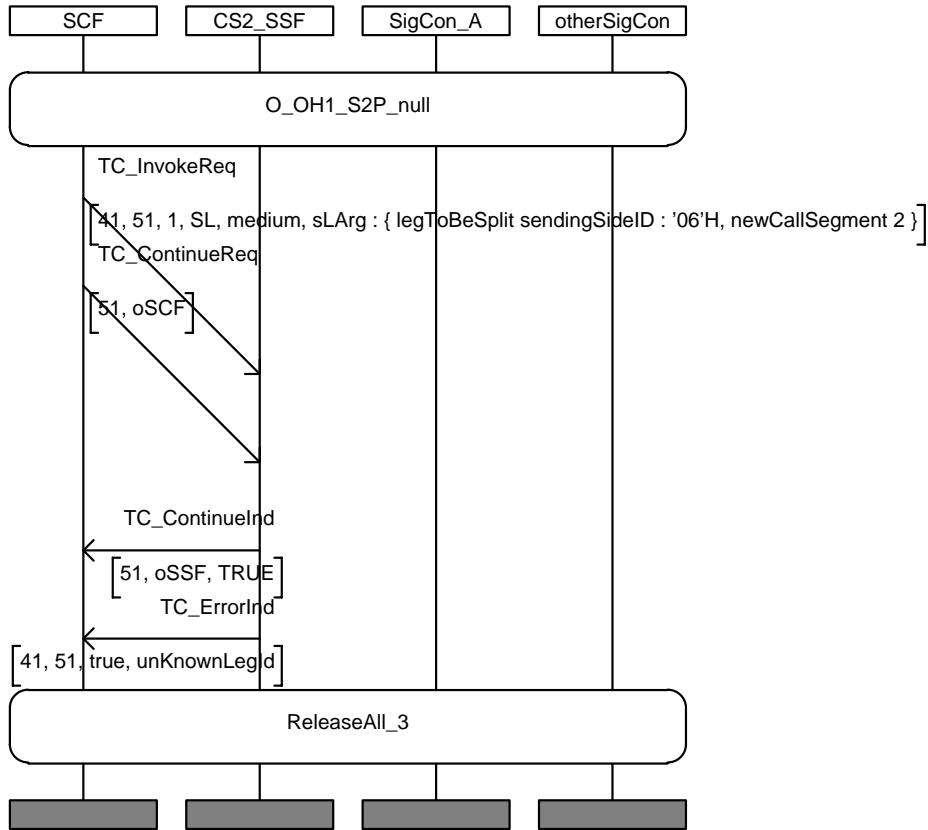
IN2_A_CPH_SL_BV_02	
Purpose:	Test of splitLeg procedure functionality
Requirement ref	
Selection Cond.	
Preamble:	O_S2P_null_null
Test description	SCF sends to SSF a SplitLeg_invoke containing at least the parameters: - legToBeSplit=2 - newCallSegment=2
Pass criteria	Check that the SSF sends SplitLegReturnResult
Postamble:	ReleaseAll_2

MSC IN2_A_CPH_SL_BV_02



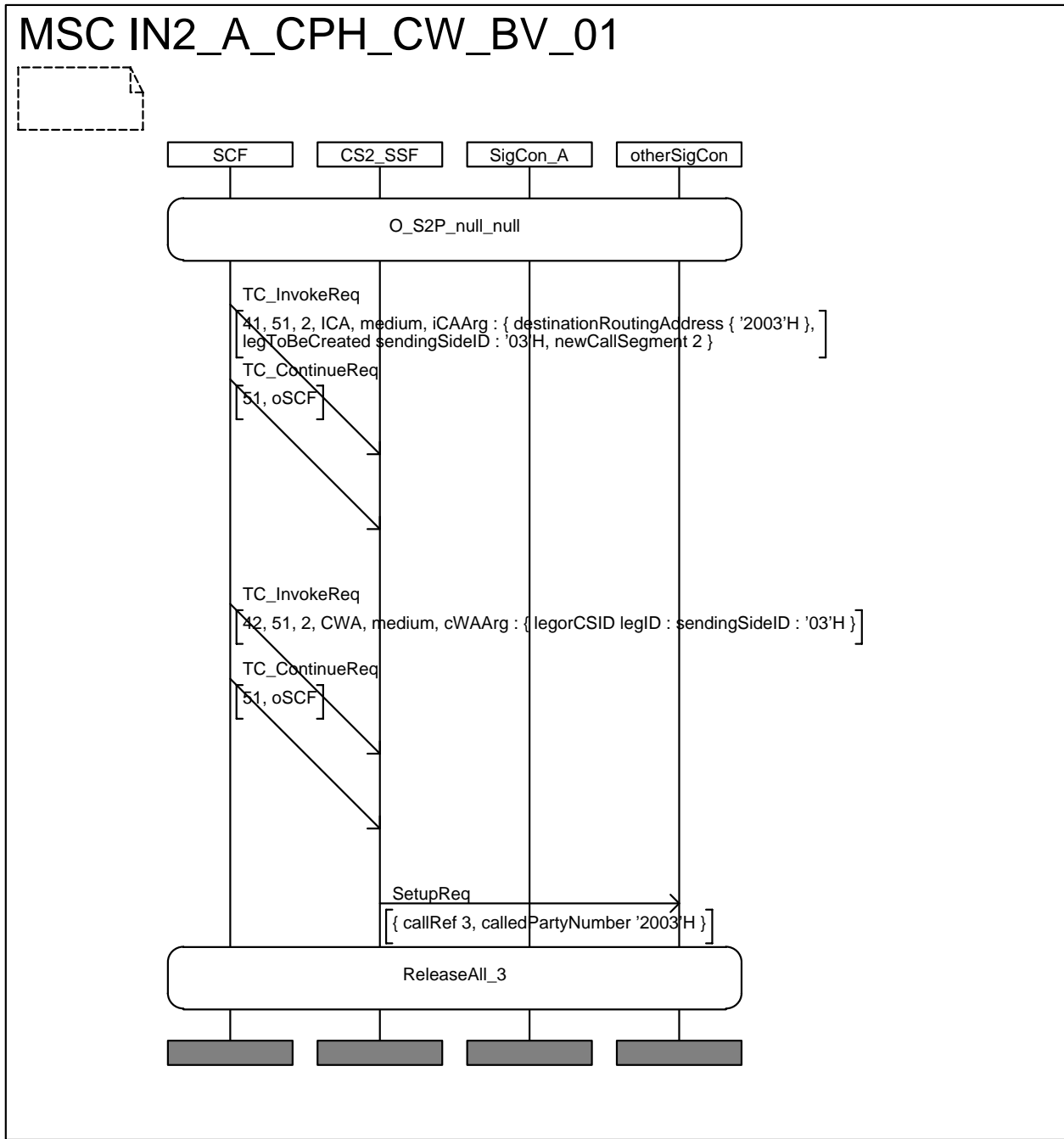
IN2_A_CPH_SL_BI_01	
Purpose:	test that SSF sends an error after a SplitLeg with wrong parameters
Requirement ref	
Selection Cond.	
Preamble:	O_OH(1)_S2P_null
Test description	SCF sends SplitLeg_invoke to SSF with the following parameters : - legIdToBeSplit=6 - newCallSegment=2
Pass criteria	check that SSF sends to SCF a splitLeg_err containing the parameter: - unknownLegId
Postamble:	ReleaseAll_3

MSC IN2m_A_CPH_SL_BI_01



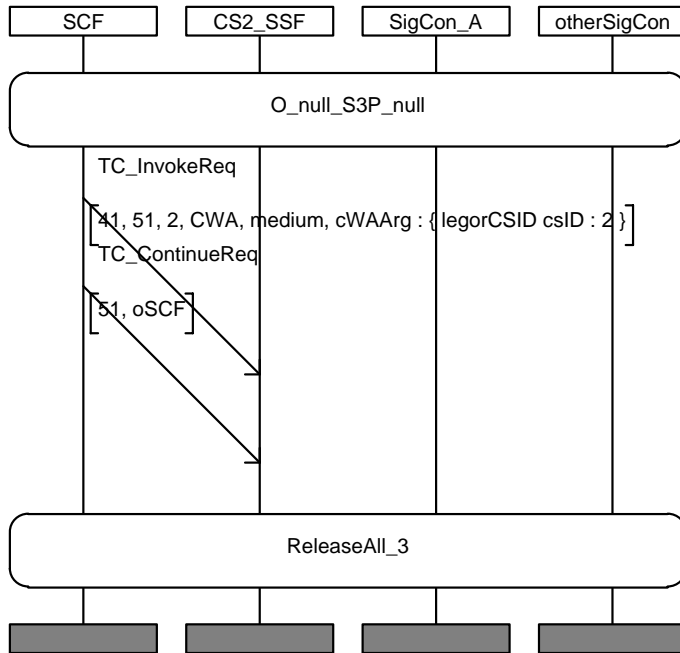
7.4.8 Continue with argument Procedure (CW)

IN2_A_CPH_CW_BV_01	
Purpose:	Test of Continue with argument procedure functionality
Requirement ref	
Selection Cond.	
Preamble:	O_S2P_null_null
Test description	SCF sends to SSF a InitiateCallAttempt_invoke containing at least the parameters: - legToBeCreated=3 - newCallSegment=2 followed by ContinueWithArgument_invoke with the following parameters : - legId=3
Pass criteria	Check that SSF sends to SigconC a SetupRequest meaning that BCSM continues
Postamble:	ReleaseAll_3



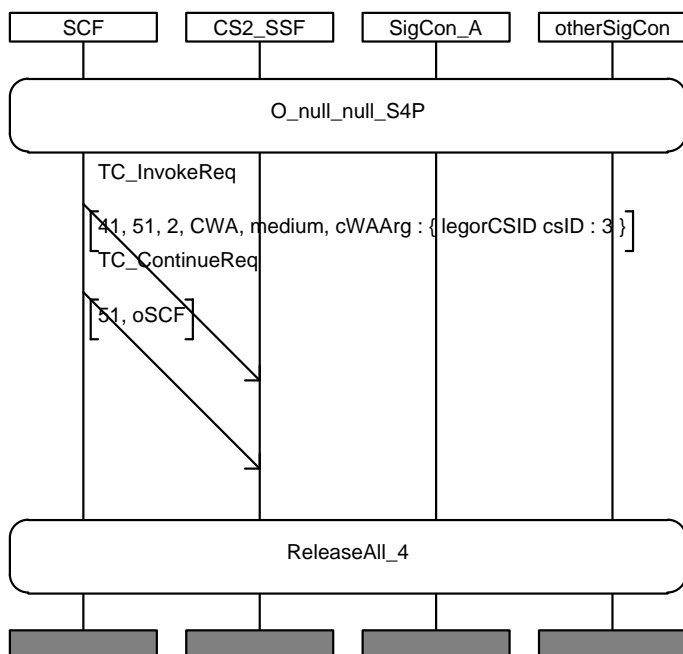
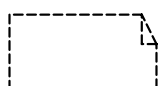
IN2_A_CPH_CW_BV_02	
Purpose:	Test of Continue with argument procedure functionality
Requirement ref	
Selection Cond.	
Preamble:	O_null_S3P_null
Test description	SCF sends ContinueWithArgument_invoke with the following parameters CSId=2
Pass criteria	The operation is accepted
Postamble:	ReleaseAll_3

MSC IN2_A_CPH_CW_BV_02



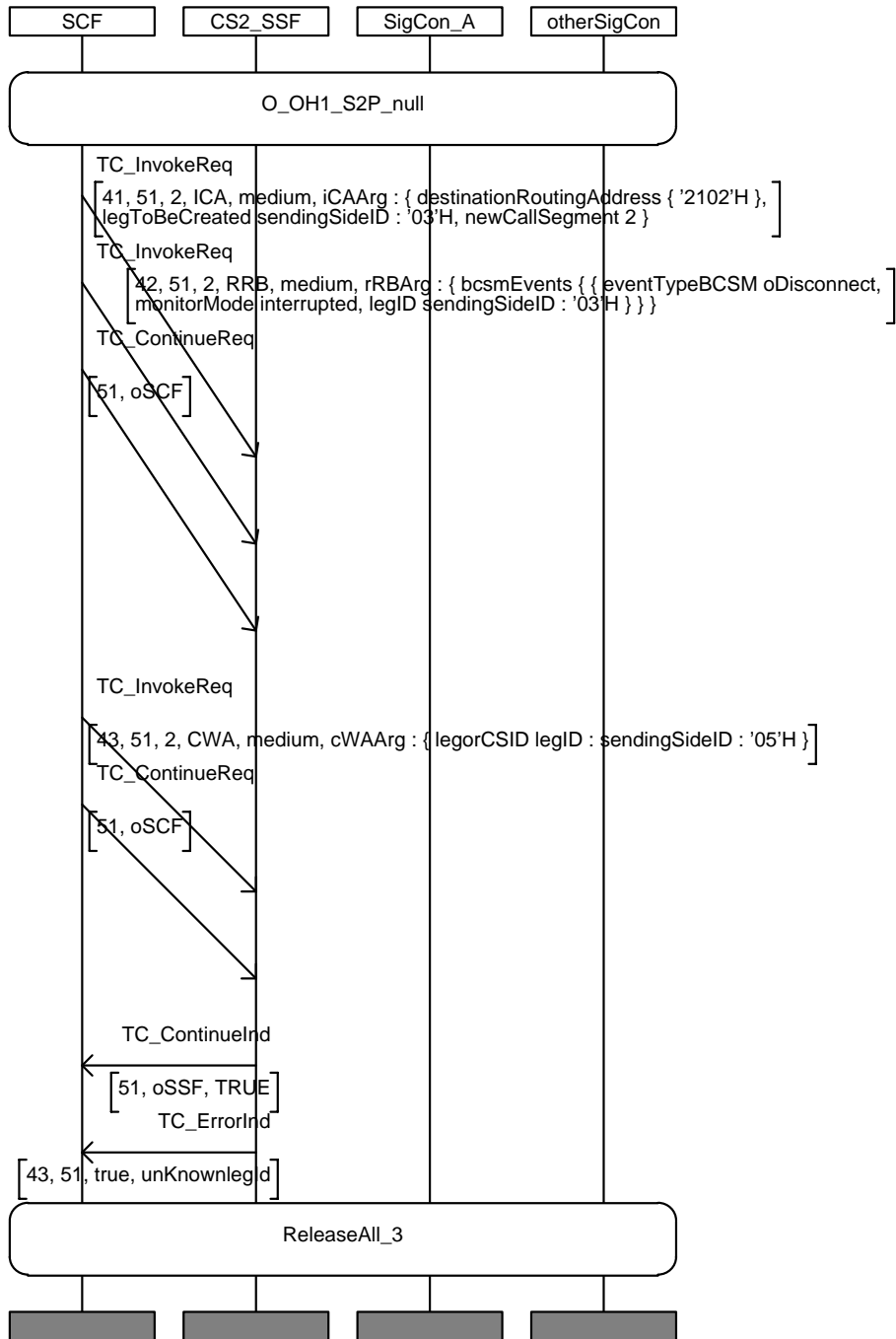
IN2_A_CPH_CW_BV_03	
Purpose:	Test of Continue with argument procedure functionality
Requirement ref	
Selection Cond.	
Preamble:	O_null_nul_S4P
Test description	SCF sends ContinueWithArgument_invoke with the following parameters LegId = 4, D party
Pass criteria	The operation is accepted
Postamble:	ReleaseAll_4

MSC IN2_A_CPH_CW_BV_03



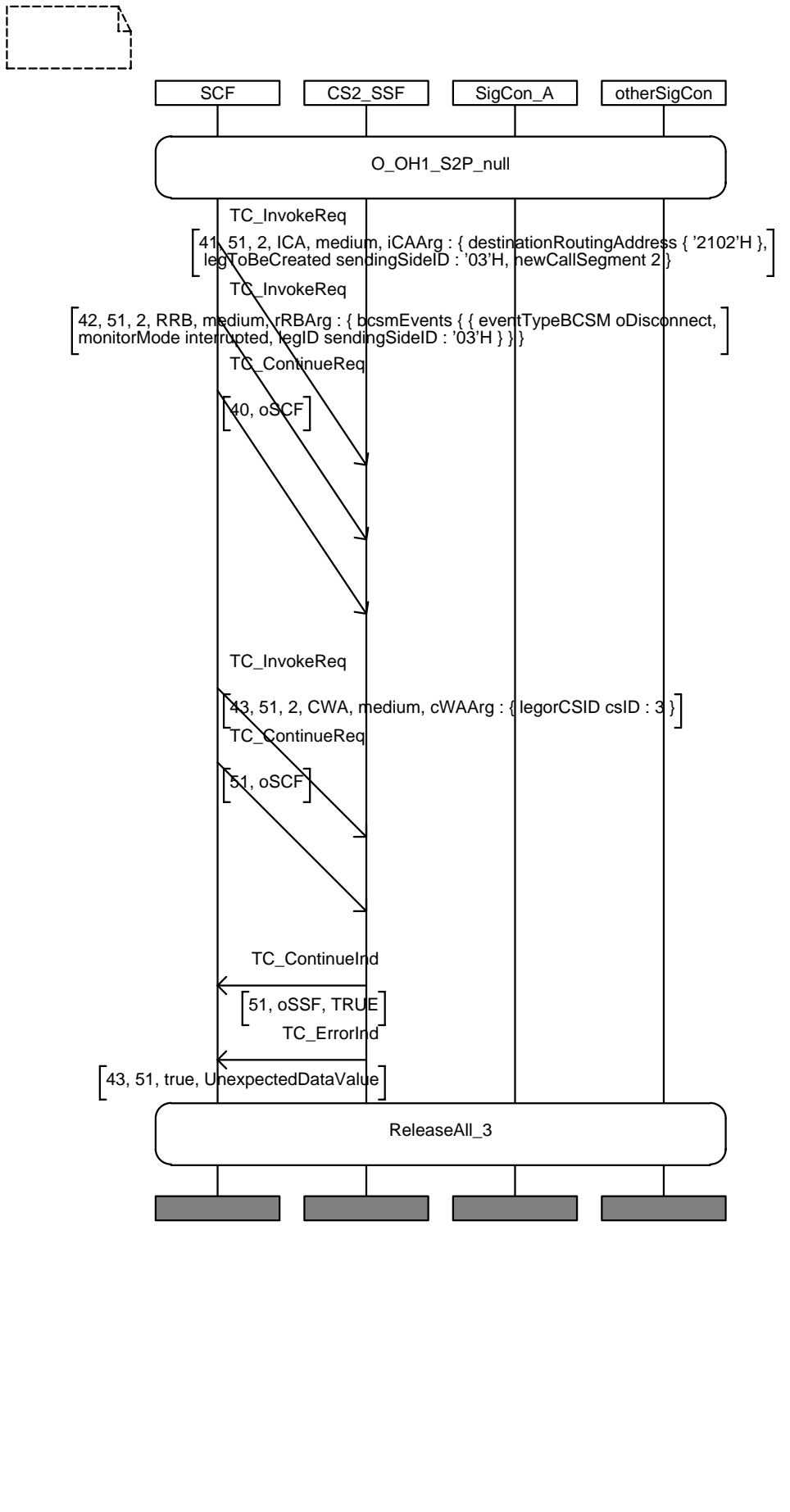
IN2_A_CPH_CW_BI_01	
Purpose:	test that SSF sends an error after a Continue with argument with wrong parameters
Requirement ref	
Selection Cond.	
Preamble:	O_OH(1)_S2P_null
Test description	SCF sends to SSF a InitiateCallAttempt_invoke containing at least the parameters: <ul style="list-style-type: none"> - legToBeCreated=3 - newCallSegment=2 followed by ContinueWithArgument_invoke with the following parameters : <ul style="list-style-type: none"> - legId=5
Pass criteria	check that SSF sends to SCF a Continue with argument_err containing the parameter: <ul style="list-style-type: none"> - unknownLegId
Postamble:	ReleaseAll_3

MSC IN2m_A_CPH_CW_BI_01



IN2_A_CPH_CW_BI_02	
Purpose:	test that SSF sends an error after a Continue with argument with wrong parameters
Requirement ref	
Selection Cond.	
Preamble:	O_OH(1)_S2P_null
Test description	SCF sends to SSF a InitiateCallAttempt_invoke containing at least the parameters: <ul style="list-style-type: none"> - legToBeCreated=3 - newCallSegment=2 followed by ContinueWithArgument_invoke with the following parameters : <ul style="list-style-type: none"> - Csid=3
Pass criteria	check that SSF sends to SCF a Continue with argument_err containing the parameter: <ul style="list-style-type: none"> - UnexpectedDataValue
Postamble:	ReleaseAll_3

MSC IN2m_A_CPH_CW_BI_02

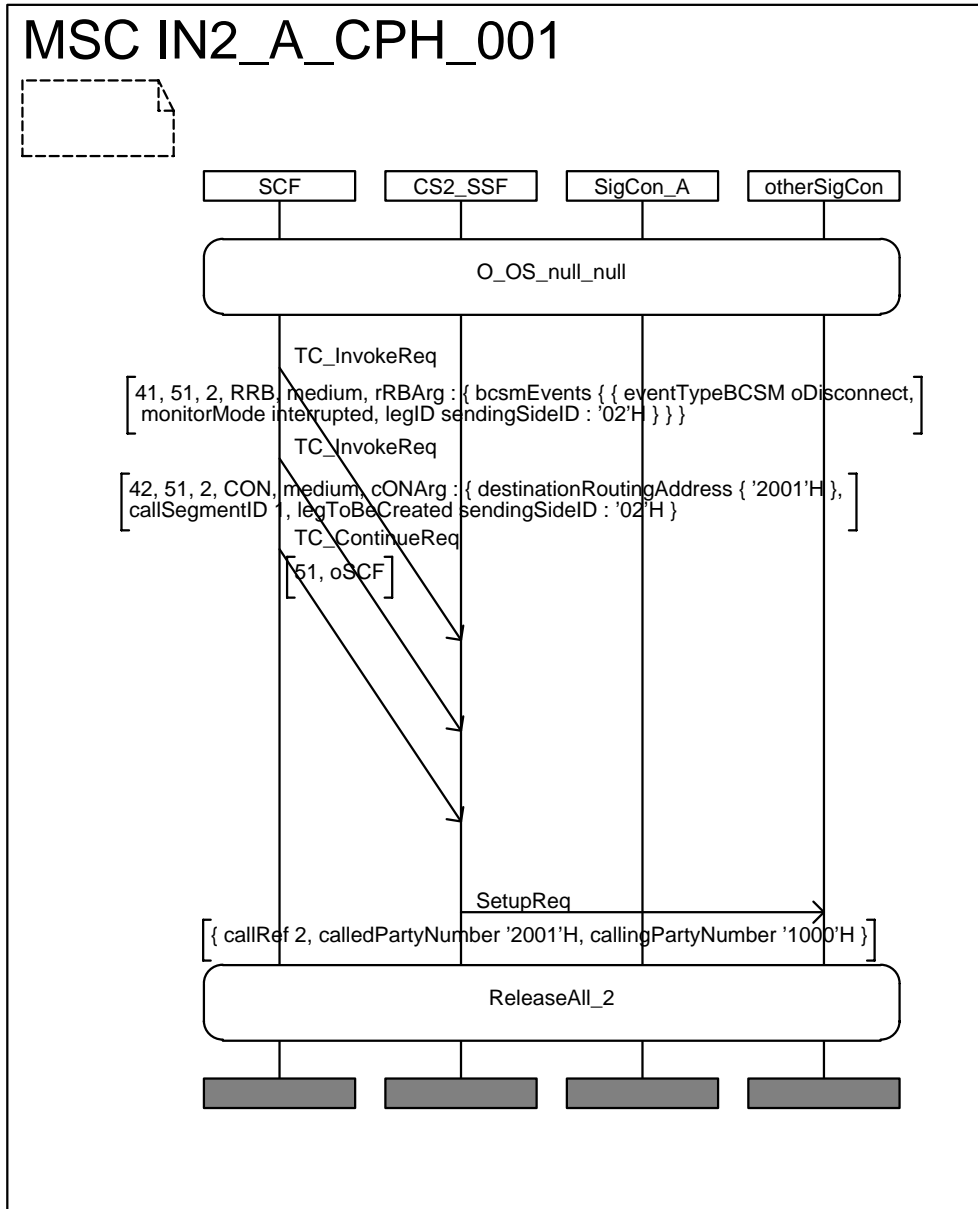


7.5 Test Purpose (TP) descriptions for the test of call handling capabilities

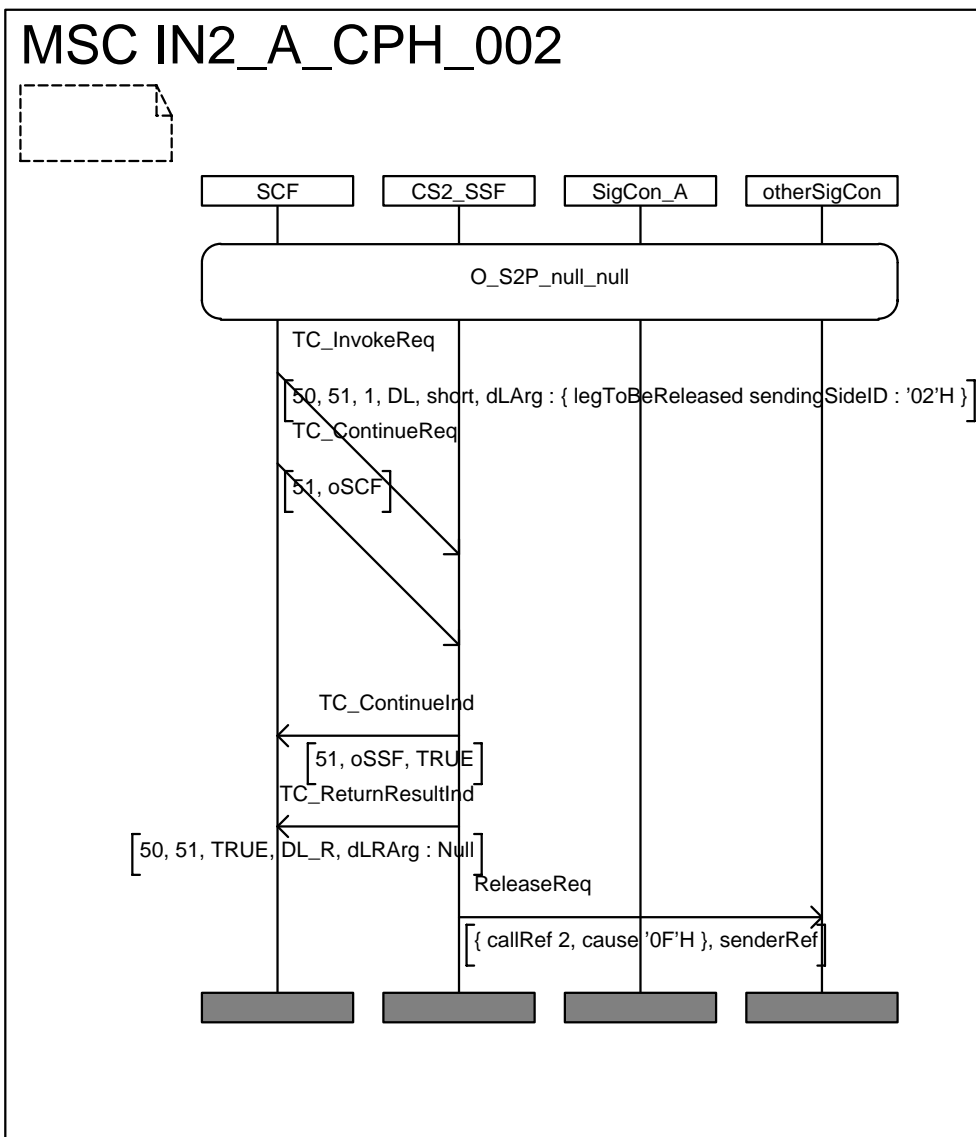
This section includes the TPs for testing the switch call handling capabilities. Due to the great number of possible transitions, the TP are restricted to a limited number of cases covering the switch functionality. Taking the preamble tree as starting point and successively starting from each preamble state, a sequence of operations is applied bringing the IUT to a new state, to be tested.

7.5.1 originating (O_BCSM) trigger (controlling legId = 1)

IN2_A_CPH_001	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_OS_null_null
Test description	L1! RequestReportBCSMEvent(2,oDisconnect) L1! Connect(2,1) reaching state O_S2P_null_null
Pass criteria	CP1-2? SetUpReq
Postamble:	ReleaseAll_2

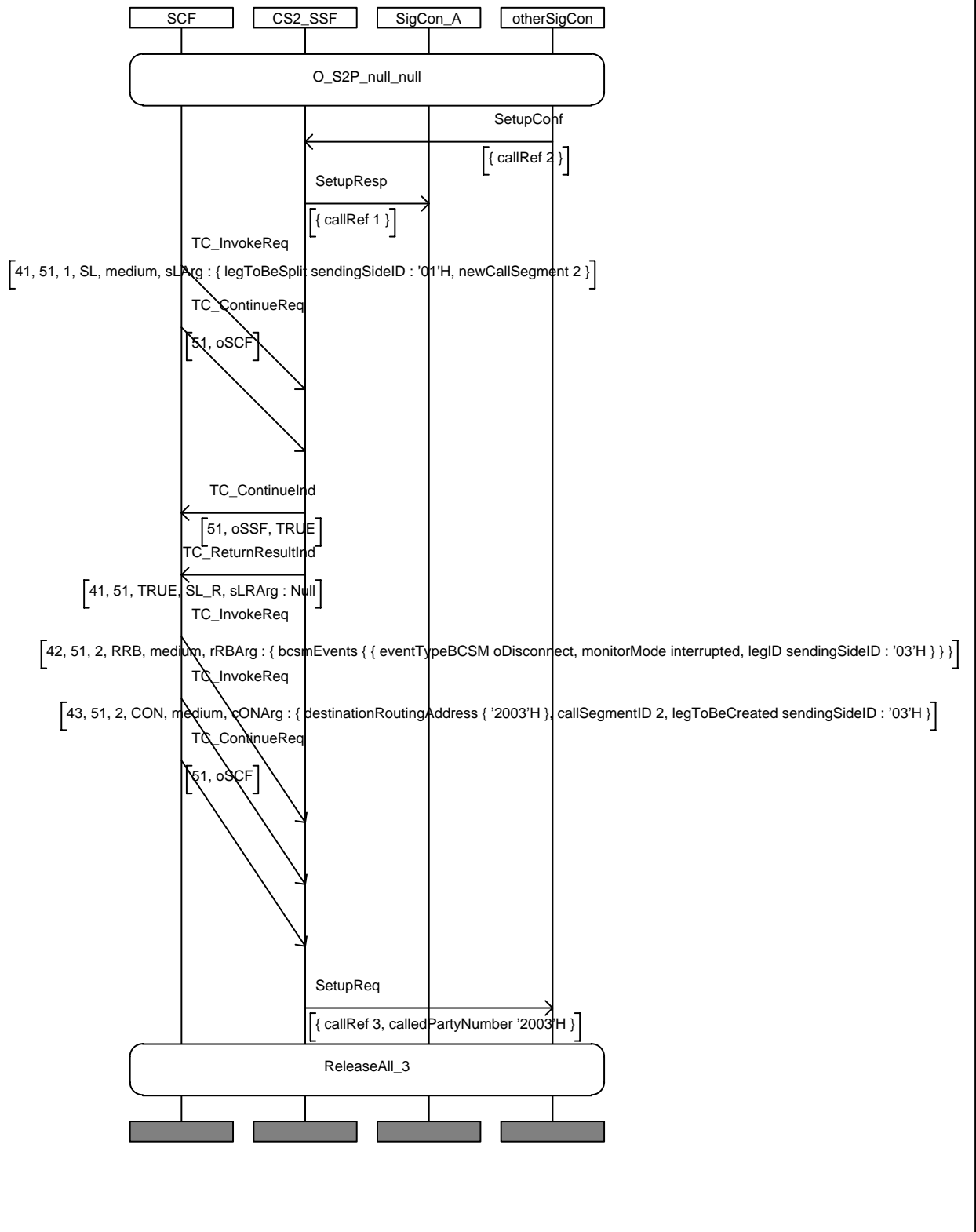


IN2_A_CPH_002	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_S2P_null_null
Test description	L1! DisconnectLeg(2) L1? DisconnectLegReturnResult reaching state Null
Pass criteria	CP1_1? ReleaseReq
Postamble:	None



IN2_A_CPH_003	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_S2P_null_null
Test description	CP1-2! SetupConf, B party answers L1! SplitLeg(1,2) L1? SplitLegReturnResult L1! ContinueWithArgument (CsID = 1) L1! RequestReportBCSMEvent(3,oDisconnect) L1! Connect(3,2) reaching state O_OH(1)_S2P_null
Pass criteria	CP1-3? SetUpReq
Postamble:	ReleaseAll_3

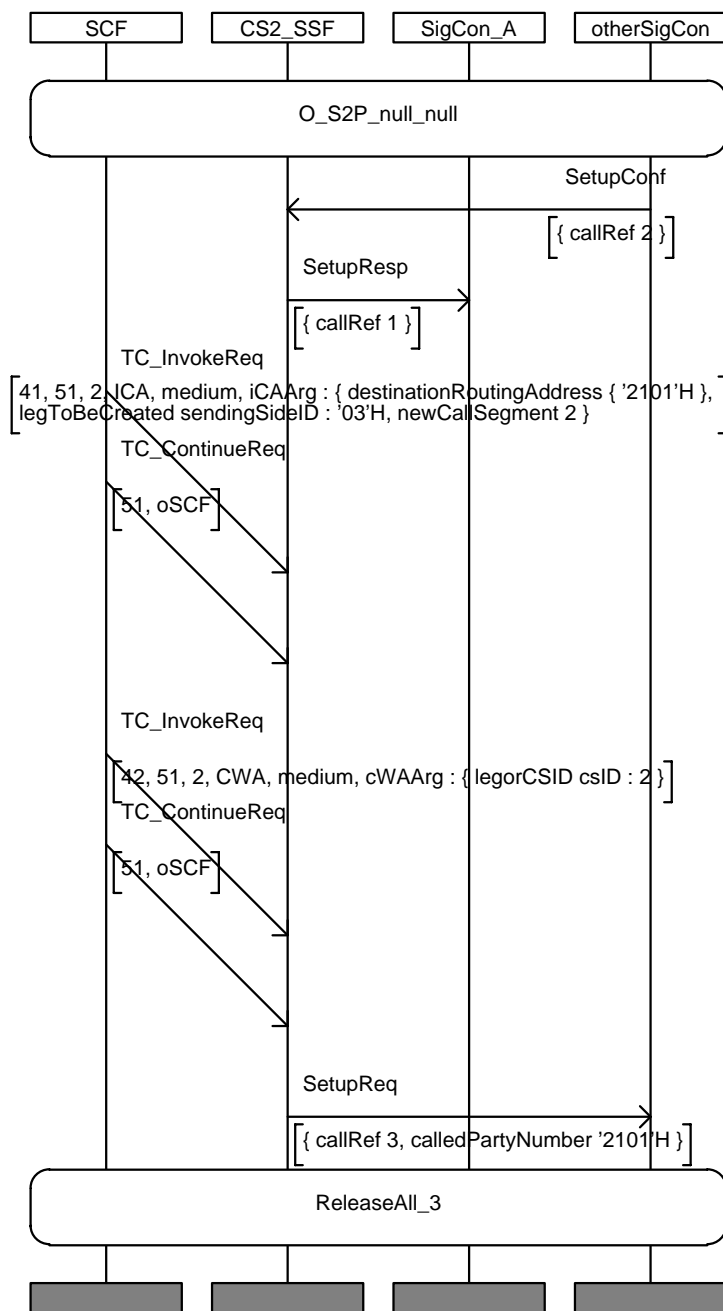
MSC IN2_A_CPH_003



IN2_A_CPH_004	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_S2P_null_null
Test description	L1! DisconnectLeg(2) L1? DisconnectLegReturnResult L1! ContinueWithArgument (CsID = 1) Reaching state O_S1P_null_null:
Pass criteria	CP1_2? ReleaseReq
Postamble:	ReleaseAll_1

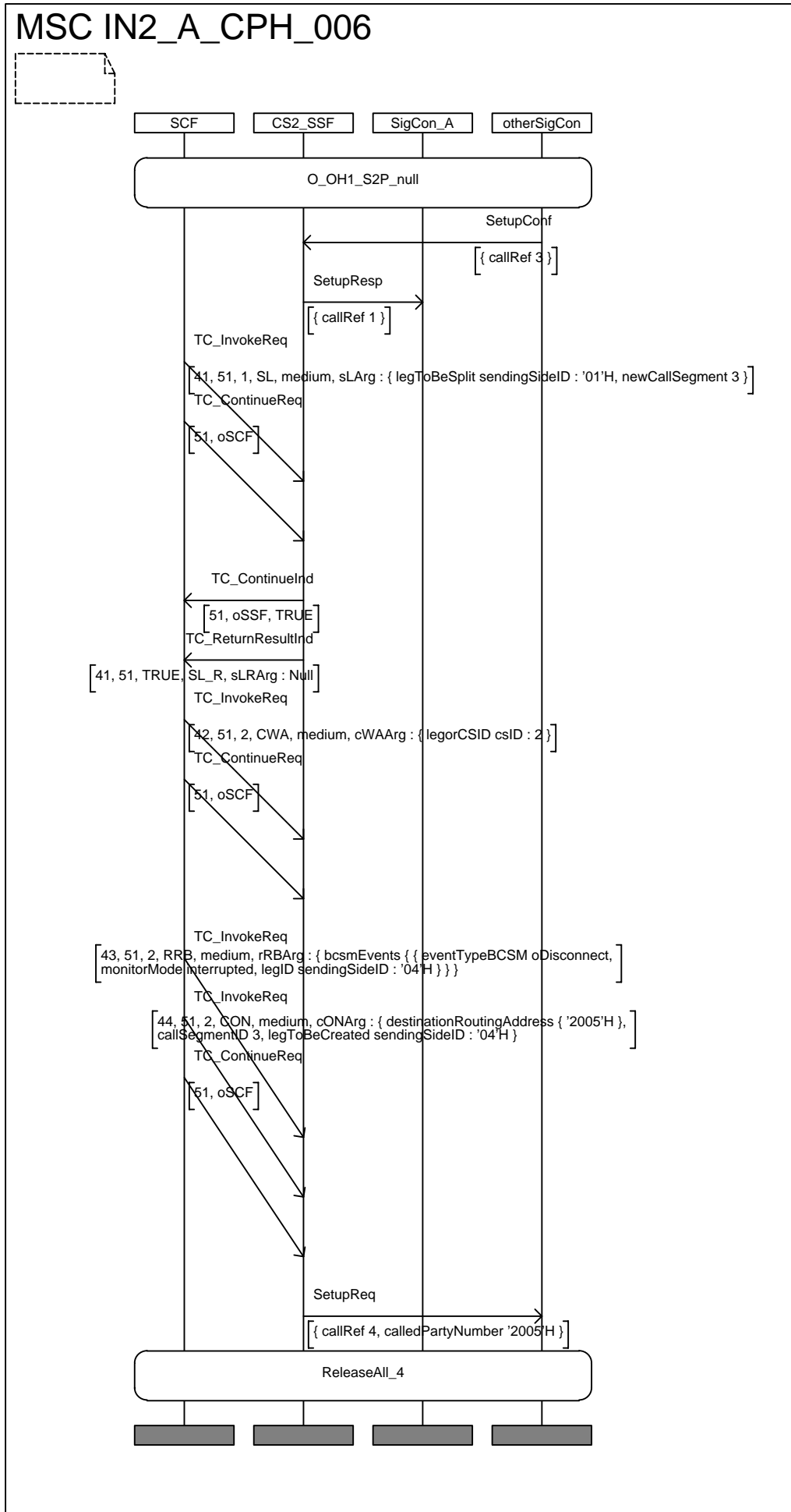
IN2_A_CPH_005	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_S2P_null_null
Test description	CP1-2! SetupConf, B party answers L1! InitiateCallAttempt(3,2) L1! ContinueWithArgument(LegId=3) Reaching state O_S2P_S1P_null
Pass criteria	CP1_3? SetupReq
Postamble:	ReleaseAll_3

MSC IN2_A_CPH_005



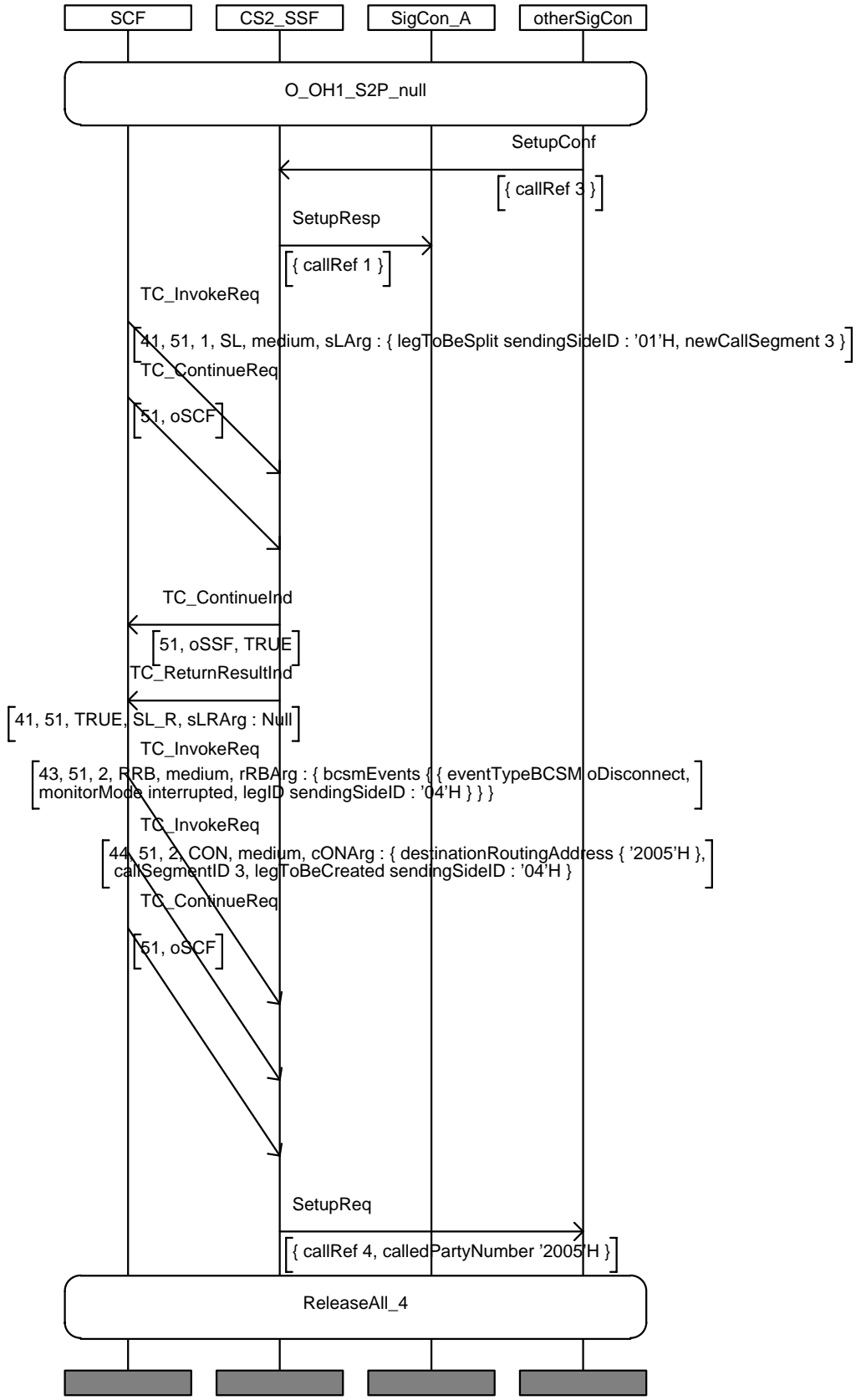
IN2_A_CPH_006	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_OH(1)_S2P_null
Test description	CP1-3! SetupConf, C party answers L1! SplitLeg(1,3) L1? SplitLegReturnResult L1! ContinueWithArgument (CsID = 2) L1! RequestReportBCSMEvent(4,oDisconnect) L1! Connect(4,3) Reaching state O_OH(1)_OH(1)_S2P
Pass criteria	CP1_4? SetupReq
Postamble:	ReleaseAll_4

MSC IN2_A_CPH_006



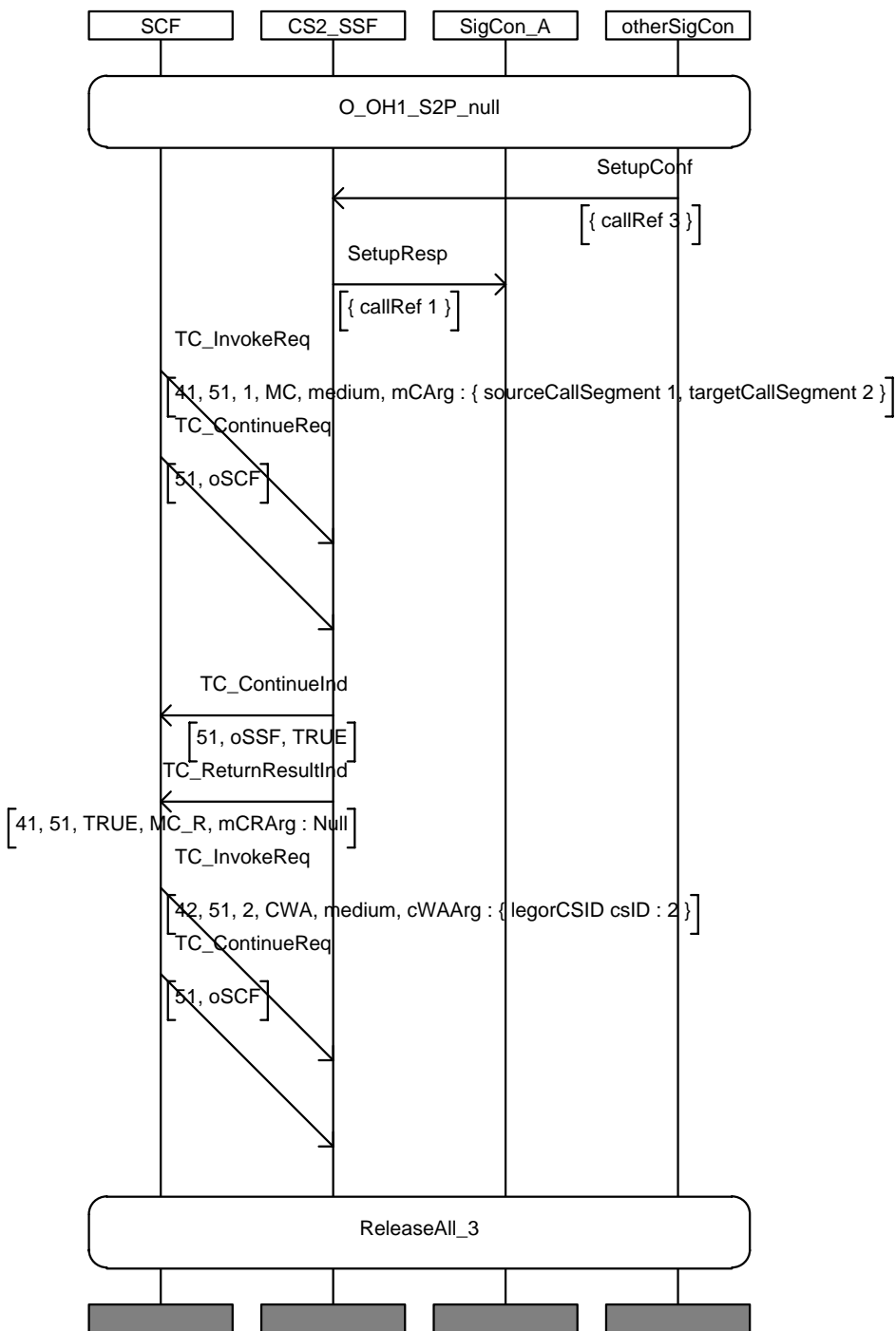
IN2_A_CPH_007	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_OH(1)_S2P_null
Test description	CP1-3! SetupConf, C party answers L1! SplitLeg(1,3) L1? SplitLegReturnResult L1! ContinueWithArgument (CsID = 2) L1! RequestReportBCSMEvent(4,oDisconnect) L1! Connect(4,3) Reaching state O_OH(1)_OH(1)_S2P
Pass criteria	CP1_4? SetupReq
Postamble:	ReleaseAll_4

MSC IN2_A_CPH_007



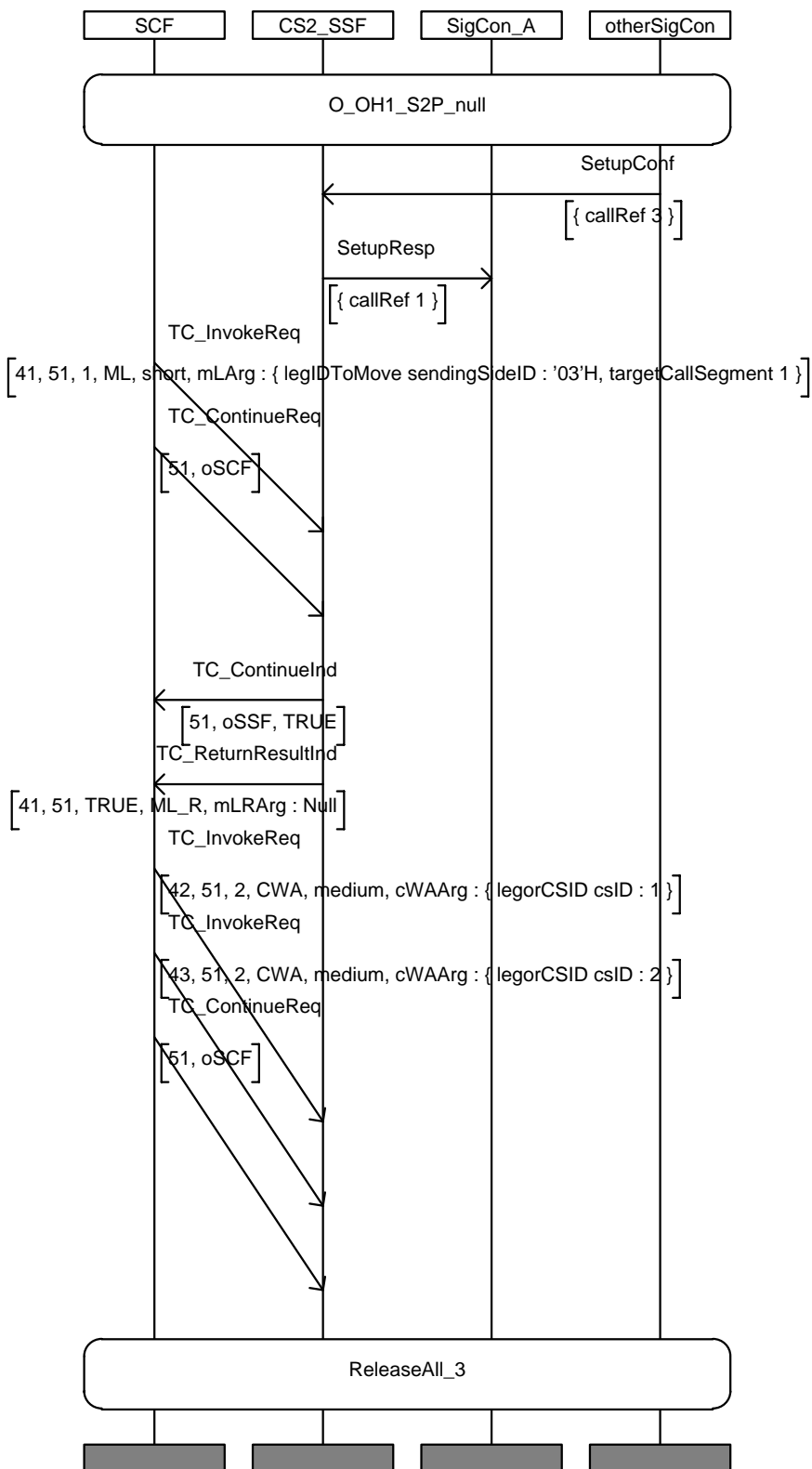
IN2_A_CPH_008	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_OH(1)_S2P_null
Test description	CP1-3! SetupConf, C party answers L1! MergeCallSegment(1,2) L1! ContinueWithArgument(CsId=2) Reaching state O_null_S3P_null
Pass criteria	SSF sends MergeCallSegmentReturnResult
Postamble:	ReleaseAll_3

MSC IN2_A_CPH_008



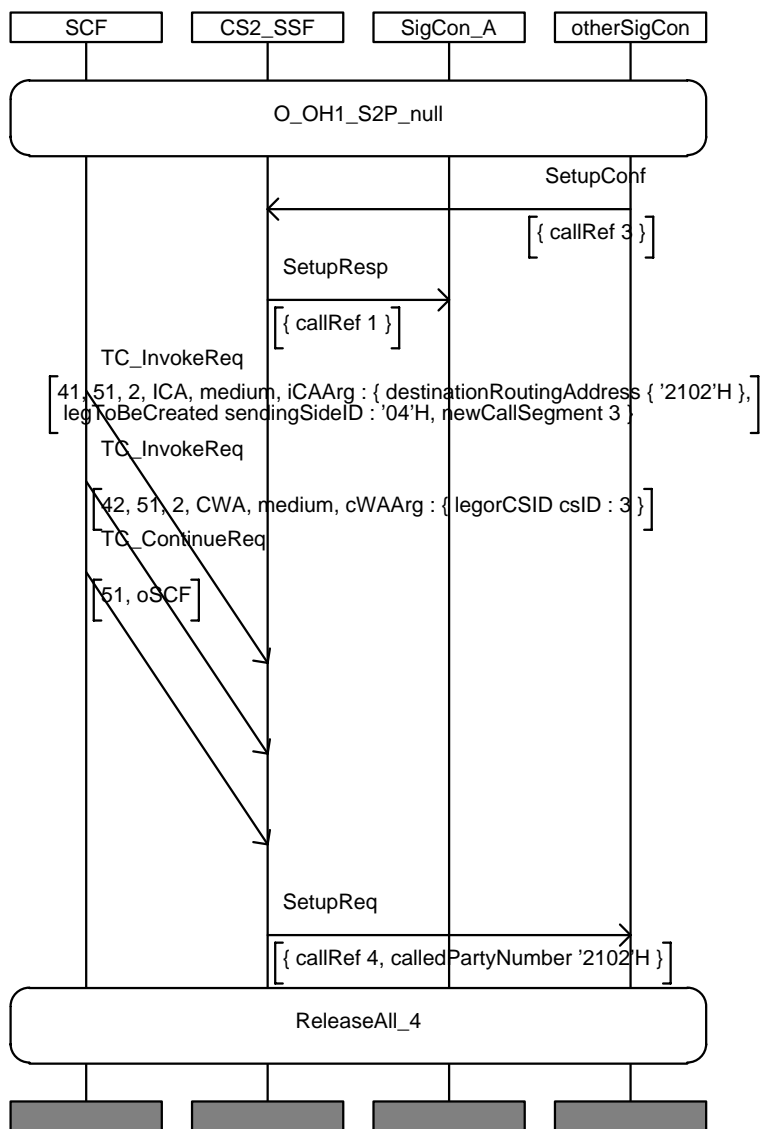
IN2_A_CPH_009	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_OH(1)_S2P_null
Test description	CP1-3! SetupConf, C party answers L1! MoveLeg(3,1) L1! ContinueWithArgument(Csld=1) L1! ContinueWithArgument(Csld=2) Reaching state O_OH(2)_1P_null
Pass criteria	SSF sends MoveLegReturnResult
Postamble:	ReleaseAll_3

MSC IN2_A_CPH_009



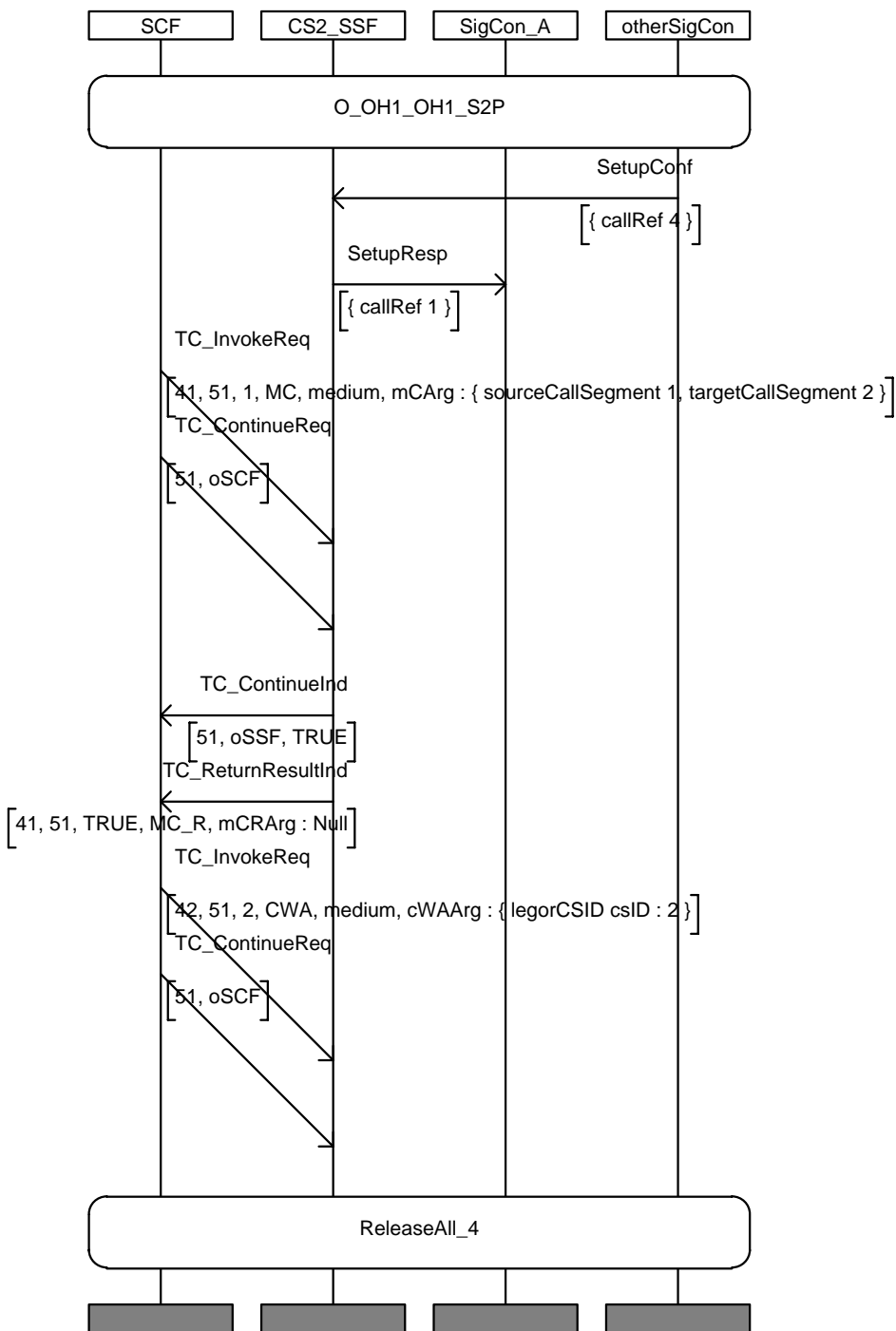
IN2_A_CPH_010	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_OH(1)_S2P_null
Test description	CP1-3! SetupConf, C party answers L1! InitiateCallAttempt(4,3) L1! ContinueWithArgument(LegId=4) Reaching state O_OH(1)_S2P_S1P
Pass criteria	CP1_4? SetUpReq
Postamble:	ReleaseAll_4

MSC IN2_A_CPH_010



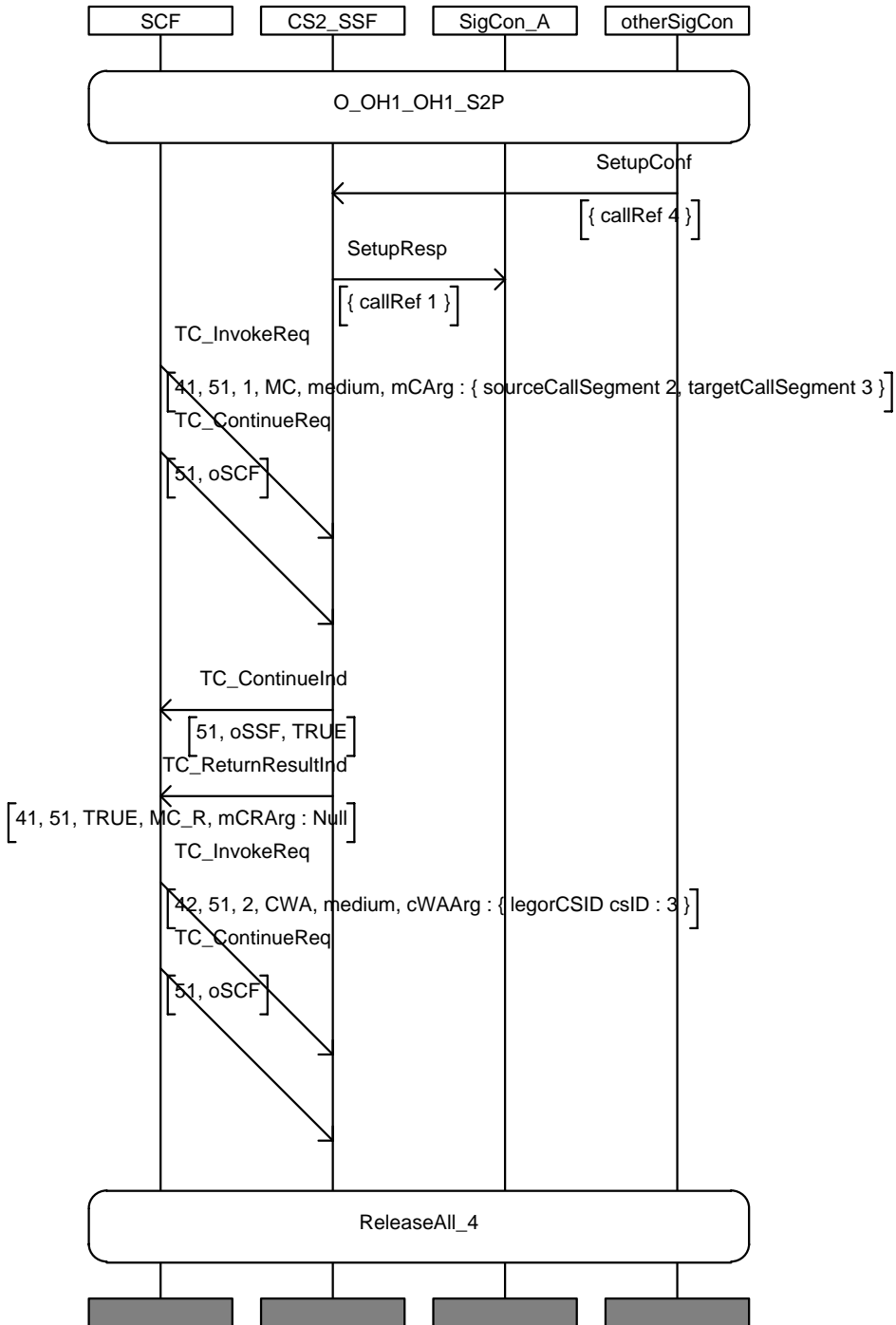
IN2_A_CPH_011	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_OH(1)_OH(1)_S2P
Test description	CP1-4! SetupConf L1! MergeCallSegment(1,2) L1! ContinueWithArgument(Csld=2) Reaching state O_null_OH(2)_S2P
Pass criteria	SSF sends MergeCallSegmentReturnResult
Postamble:	ReleaseAll_4

MSC IN2_A_CPH_011



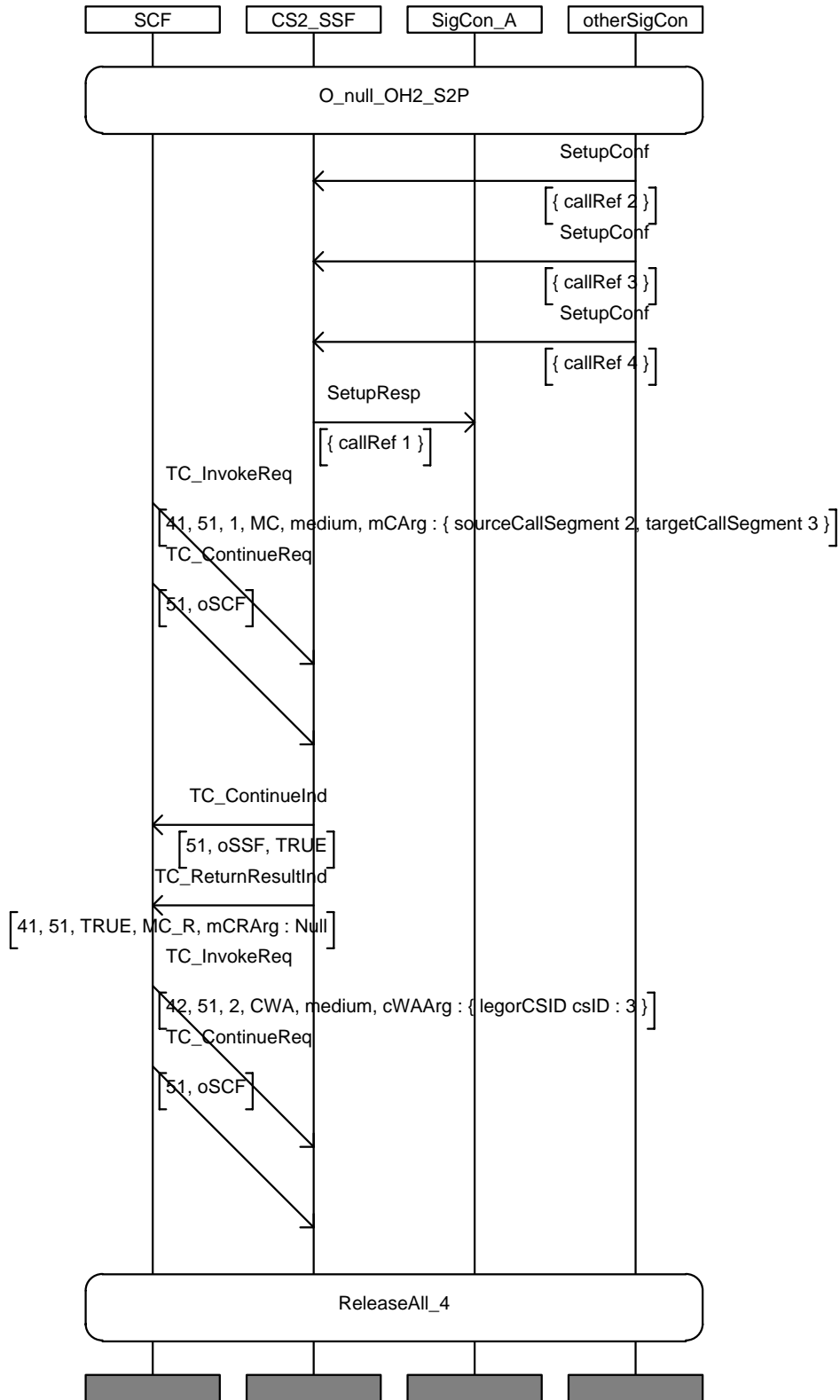
IN2_A_CPH_012	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_OH(1)_OH(1)_S2P
Test description	CP1-4! SetupConf L1! MergeCallSegments(2,3) L1! ContinueWithArgument(Csld=3) Reaching state O_OH(1)_null_S3P
Pass criteria	SSF sends MergeCallSegmentReturnResult
Postamble:	ReleaseAll_4

MSC IN2_A_CPH_012



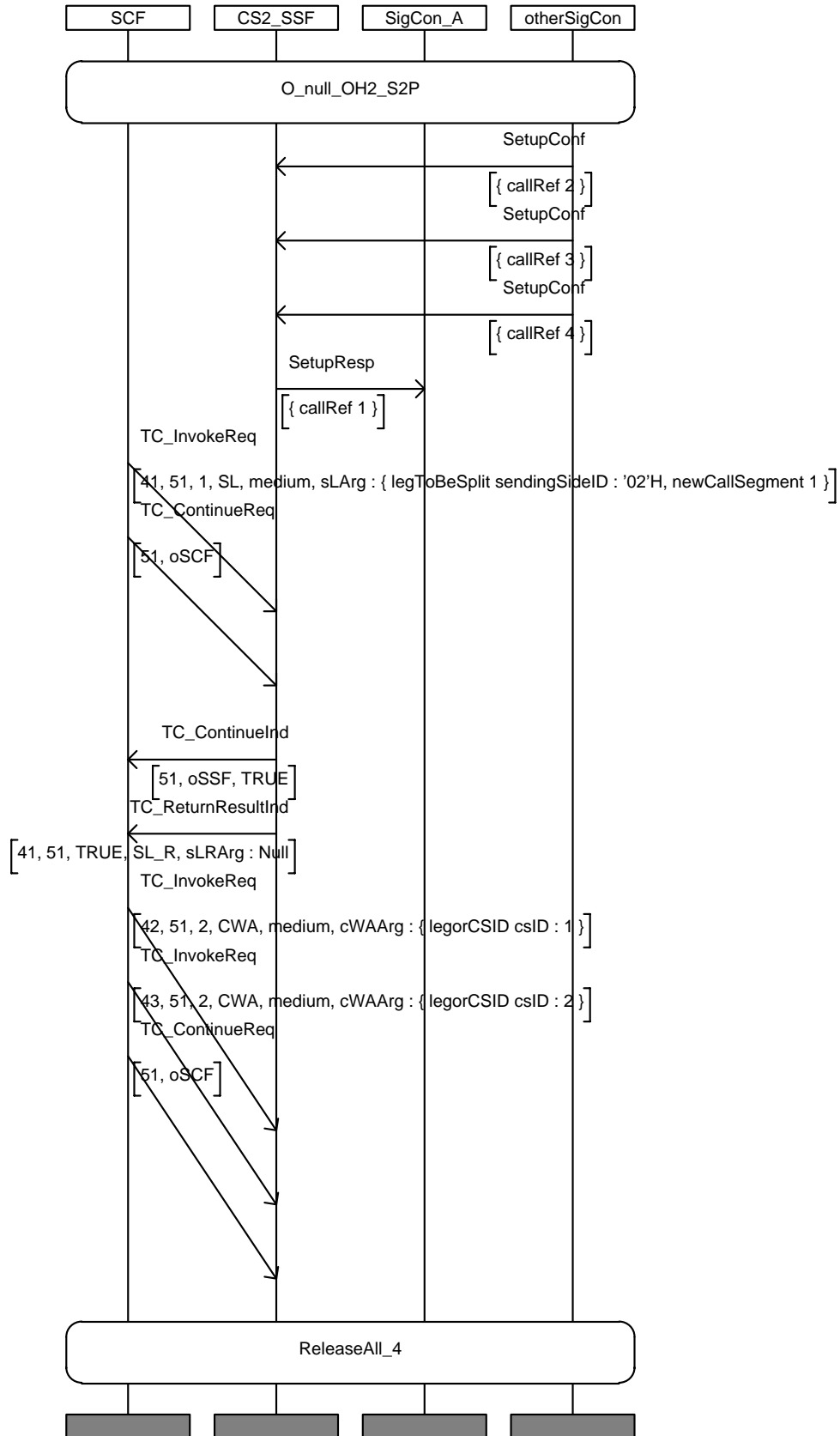
IN2_A_CPH_013	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_null_OH(2)_S2P
Test description	CP1-2! SetupConf CP1-3! SetupConf CP1-4! SetupConf L1! MergeCallSegments(2,3) L1! ContinueWithArgument(CsId=3) Reaching state O_null_null_S4P
Pass criteria	SSF sends MergeCallSegmentReturnResult
Postamble:	ReleaseAll_4

MSC IN2_A_CPH_013



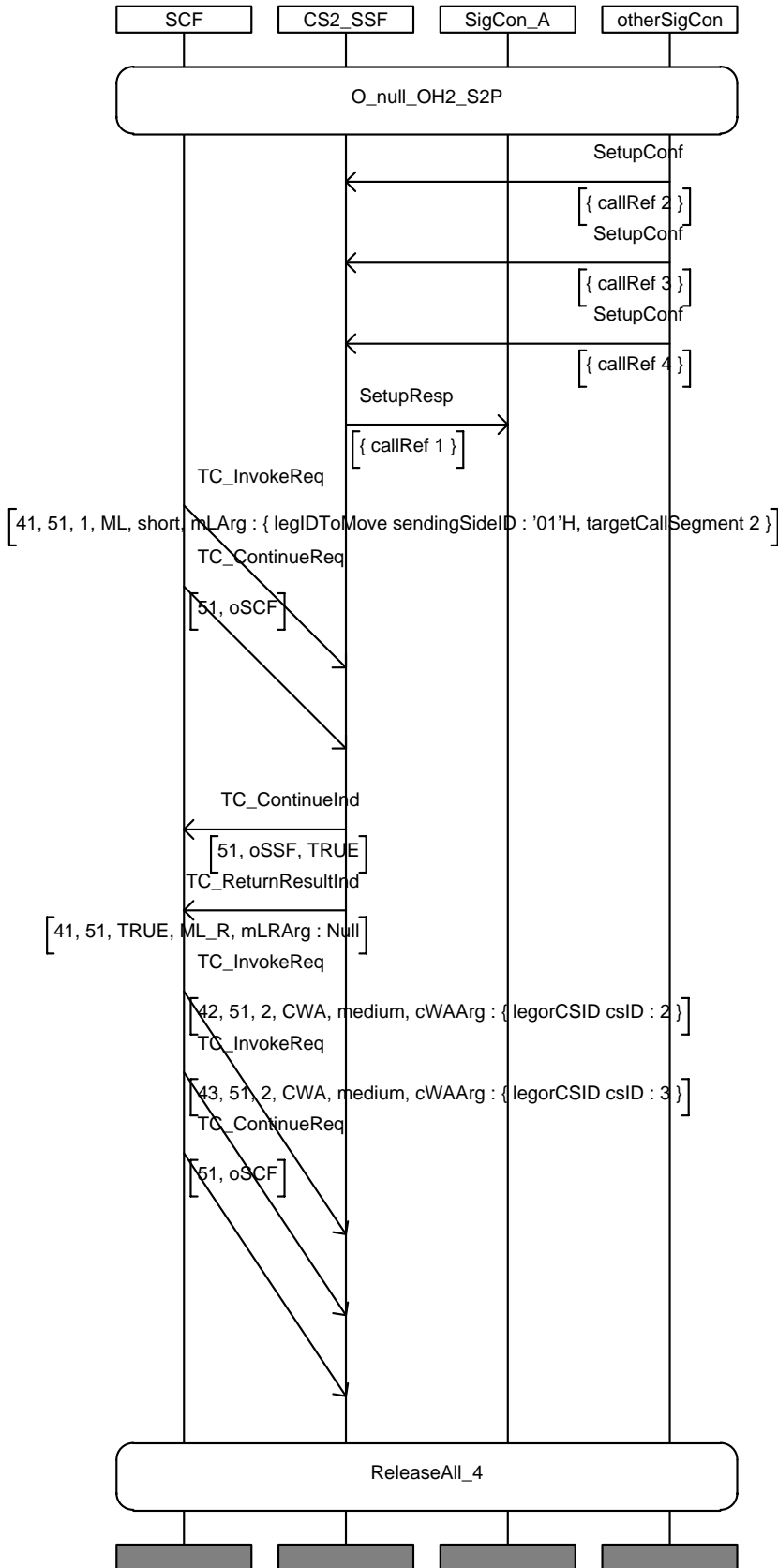
IN2_A_CPH_014	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_null_OH(2)_S2P
Test description	CP1-2! SetupConf CP1-3! SetupConf CP1-4! SetupConf L1! SplitLeg(2,1) L1! ContinueWithArgument(CsId=1) L1! ContinueWithArgument(CsId=2) Reaching state O_OH(1)_OH(1)_S2P
Pass criteria	SSF sends SplitLegReturnResult
Postamble:	ReleaseAll_4

MSC IN2_A_CPH_014



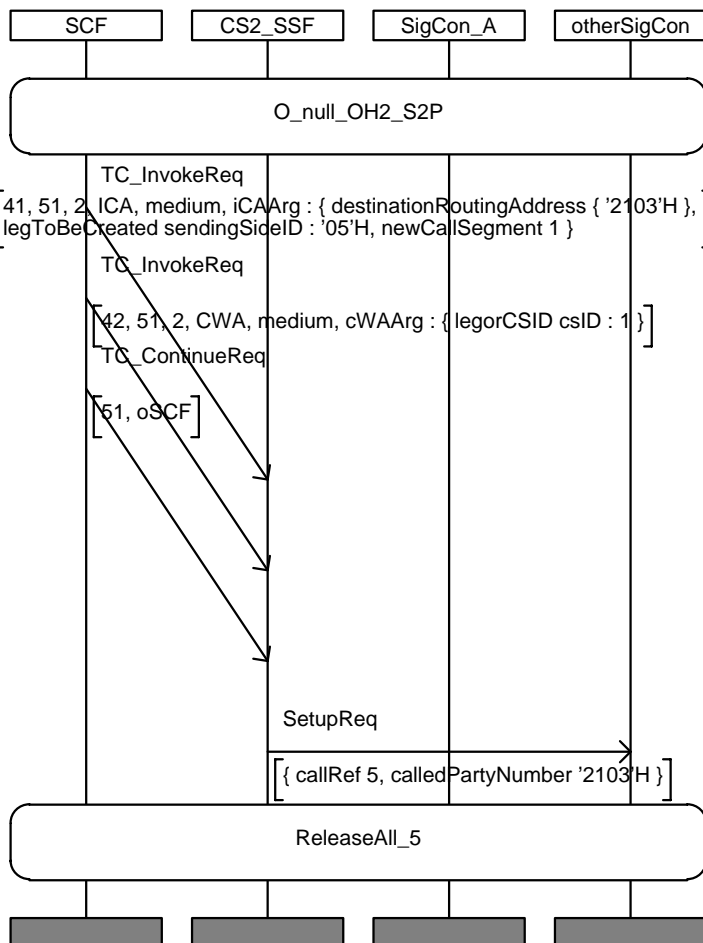
IN2_A_CPH_015	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_null_OH(2)_S2P
Test description	CP1-2! SetupConf CP1-3! SetupConf, C party answers CP1-4! SetupConf, D party answers L1! MoveLeg(1,2) L1!ContinueWithArgument(Csld=2) L1!ContinueWithArgument(Csld=3) Reaching state O_null_S3P_OH(1)
Pass criteria	SSF sends MoveLegReturnResult
Postamble:	ReleaseAll_4

MSC IN2_A_CPH_015



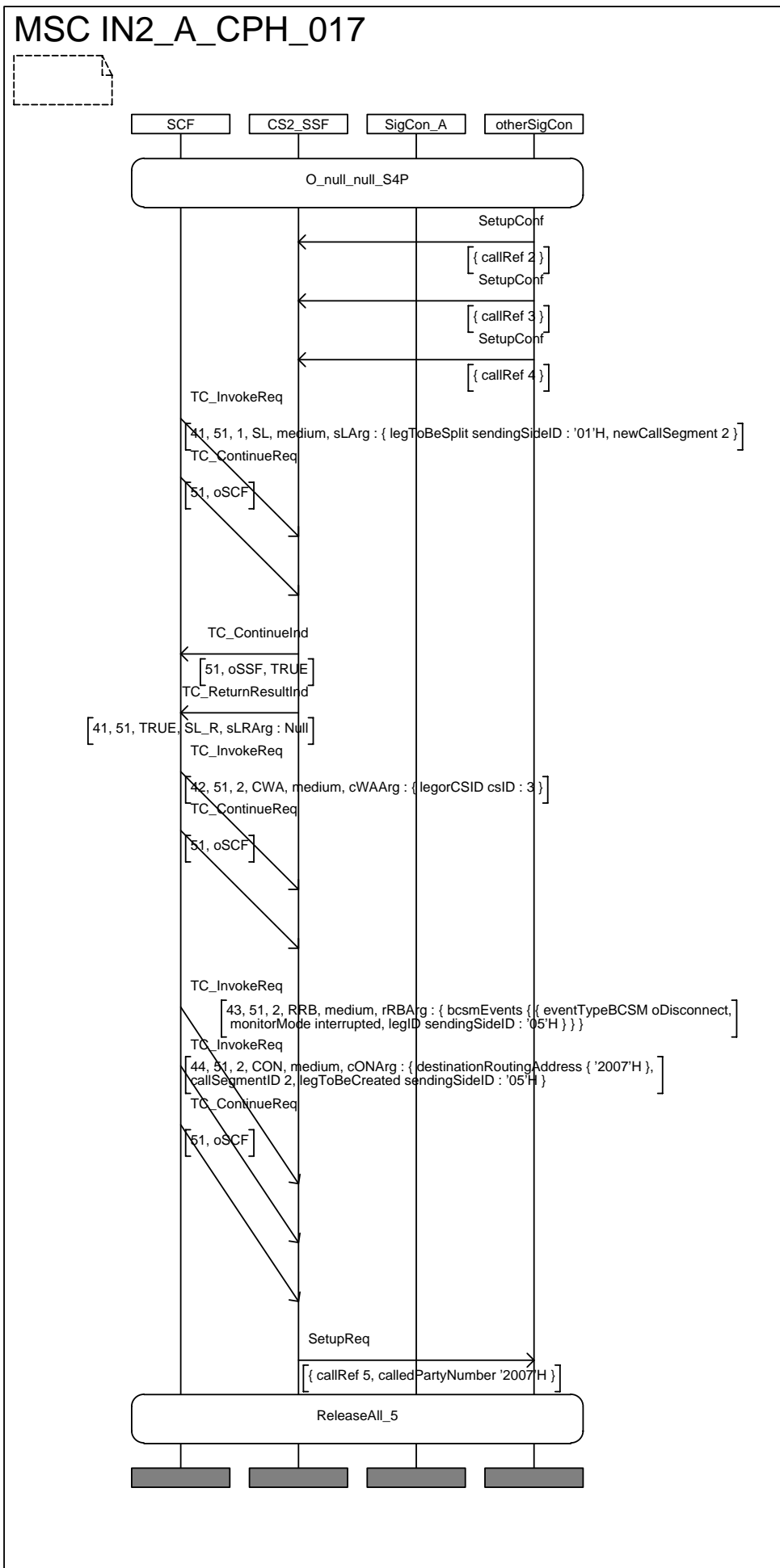
IN2_A_CPH_016	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_null_OH(2)_S2P
Test description	L1! InitiateCallAttempt(5,1) L1! ContinueWithArgument(LegId=5) Reaching state O_S1P_OH(2)_S2P
Pass criteria	CP1_5? SetupReq
Postamble:	ReleaseAll_5

MSC IN2_A_CPH_016



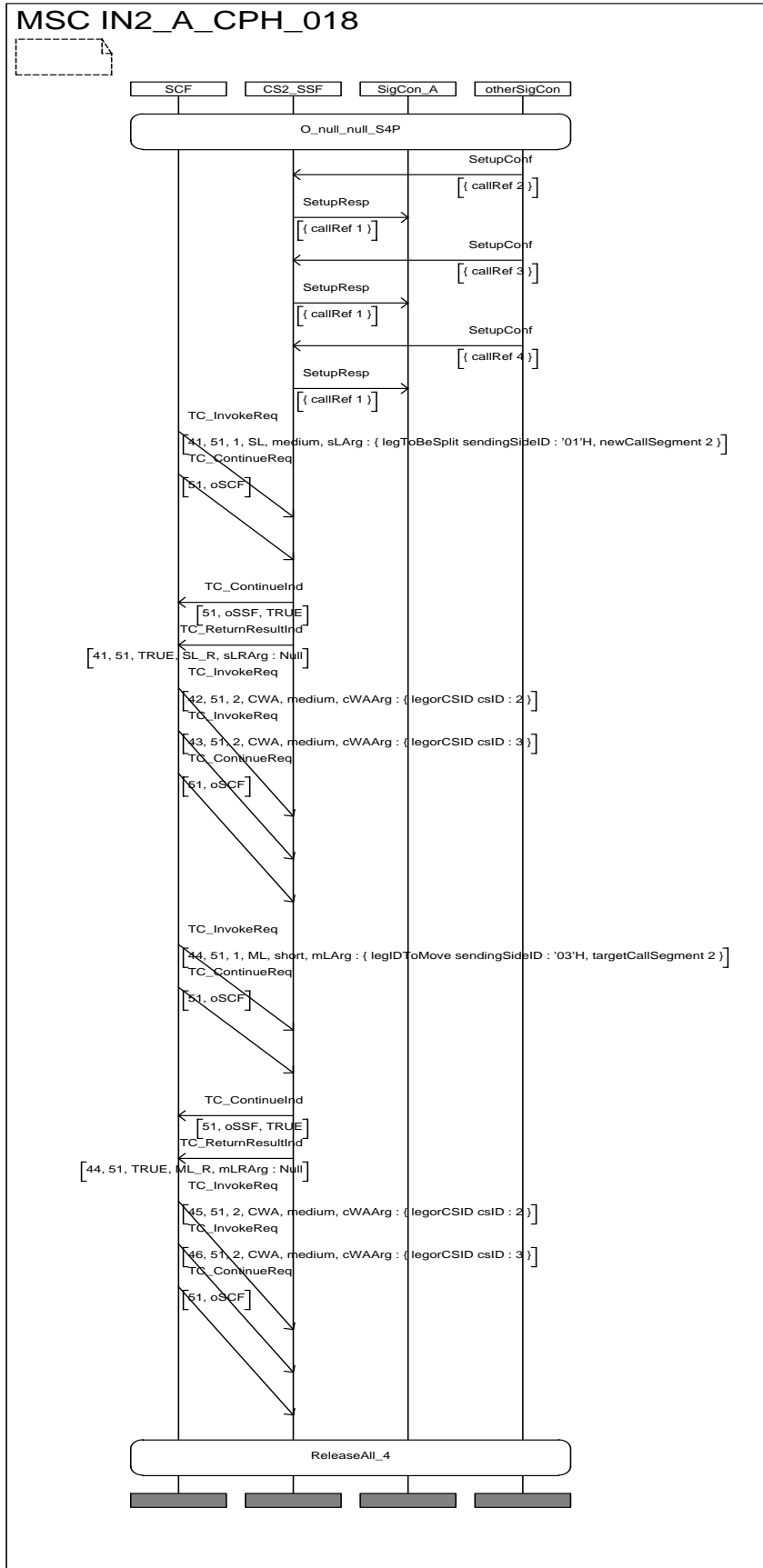
IN2_A_CPH_017	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_null_null_S4P
Test description	CP1-2! SetupConf CP1-3! SetupConf, C party answers CP1-4! SetupConf, D party answers L1! SplitLeg(1,2) L1? SplitLegReturnResult L1! ContinueWithArgument(CsId=3) L1! RequestReportBCSMEvent(5,oDisconnect) L1! Connect(5,2) Reaching state O_null_S2P_OH(3)
Pass criteria	CP1_5? SetUpReq
Postamble:	ReleaseAll_5

MSC IN2_A_CPH_017



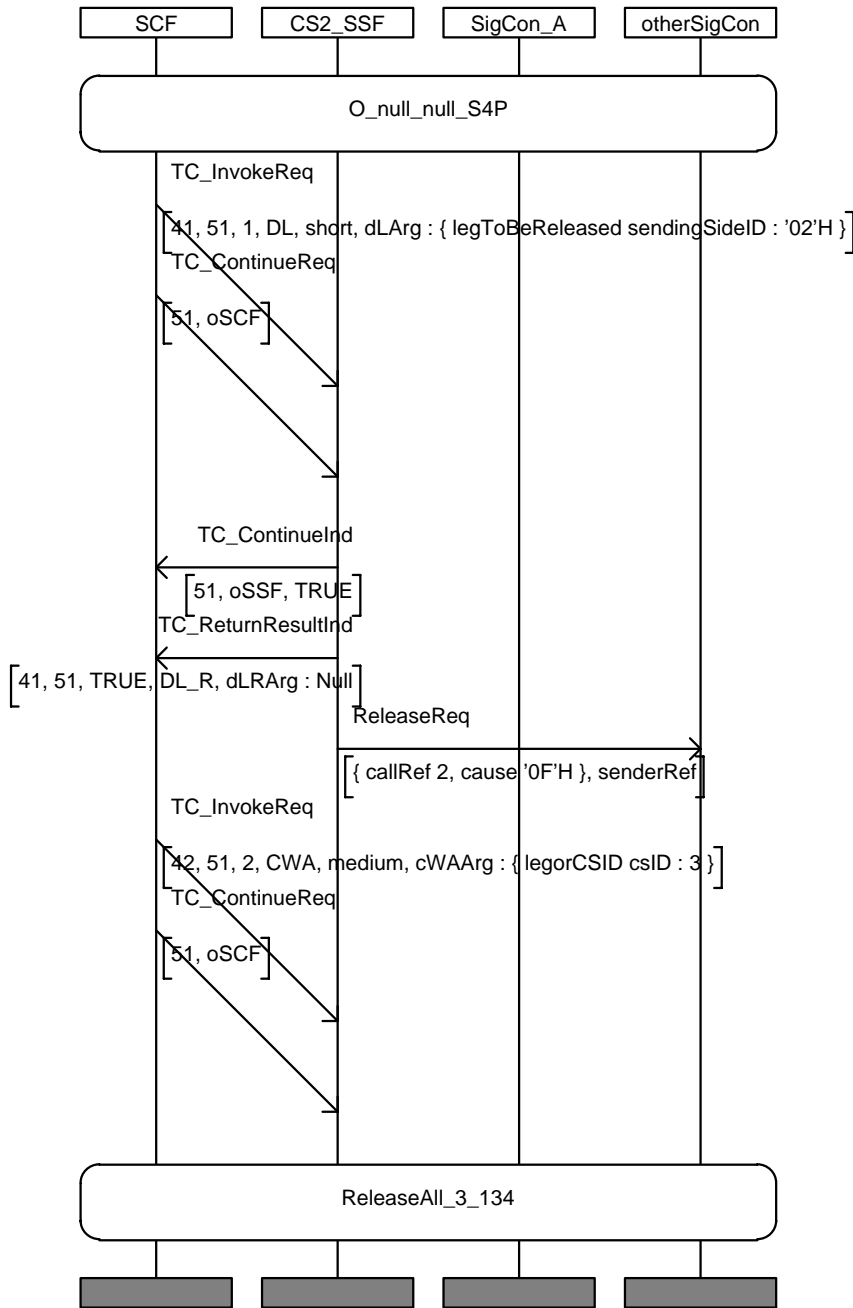
IN2_A_CPH_018	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_null_null_S4P
Test description	CP1-2! SetupConf CP1-3! SetupConf, C party answers CP1-4! SetupConf, D party answers L1! SplitLeg(1,2) L1! ContinueWithArgument(CsId=2) L1! ContinueWithArgument(CsId=3) L1! MoveLeg(3,2) L1! ContinueWithArgument(CsId=2) L1! ContinueWithArgument(CsId=3) Reaching state O_null_S2P_OH(2)
Pass criteria	SSF sends SplitLegReturnResult and SSF sends MoveLegReturnResult
Postamble:	ReleaseAll_4

MSC IN2_A_CPH_018



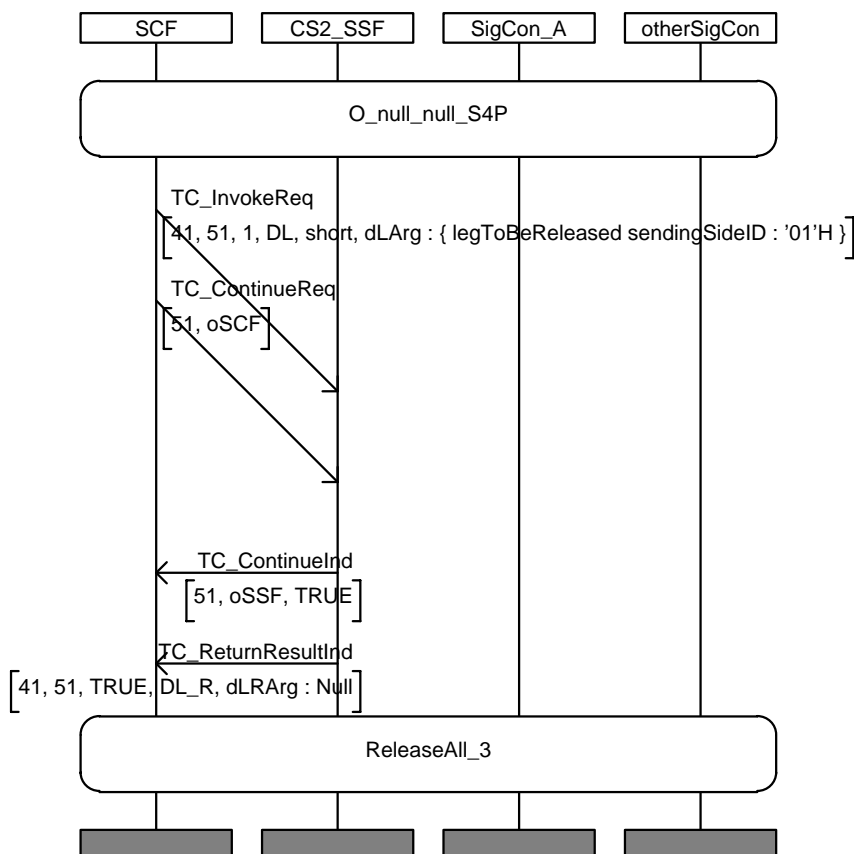
IN2_A_CPH_019	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_null_null_S4P
Test description	L1! DisconnectLeg(2) L1!ContinueWithArgument(CsId=3) L1? DisconnectLegReturnResult Reaching state O_null_null_S3P
Pass criteria	CP1_2? ReleaseReq
Postamble:	ReleaseAll_3

MSC IN2_A_CPH_019



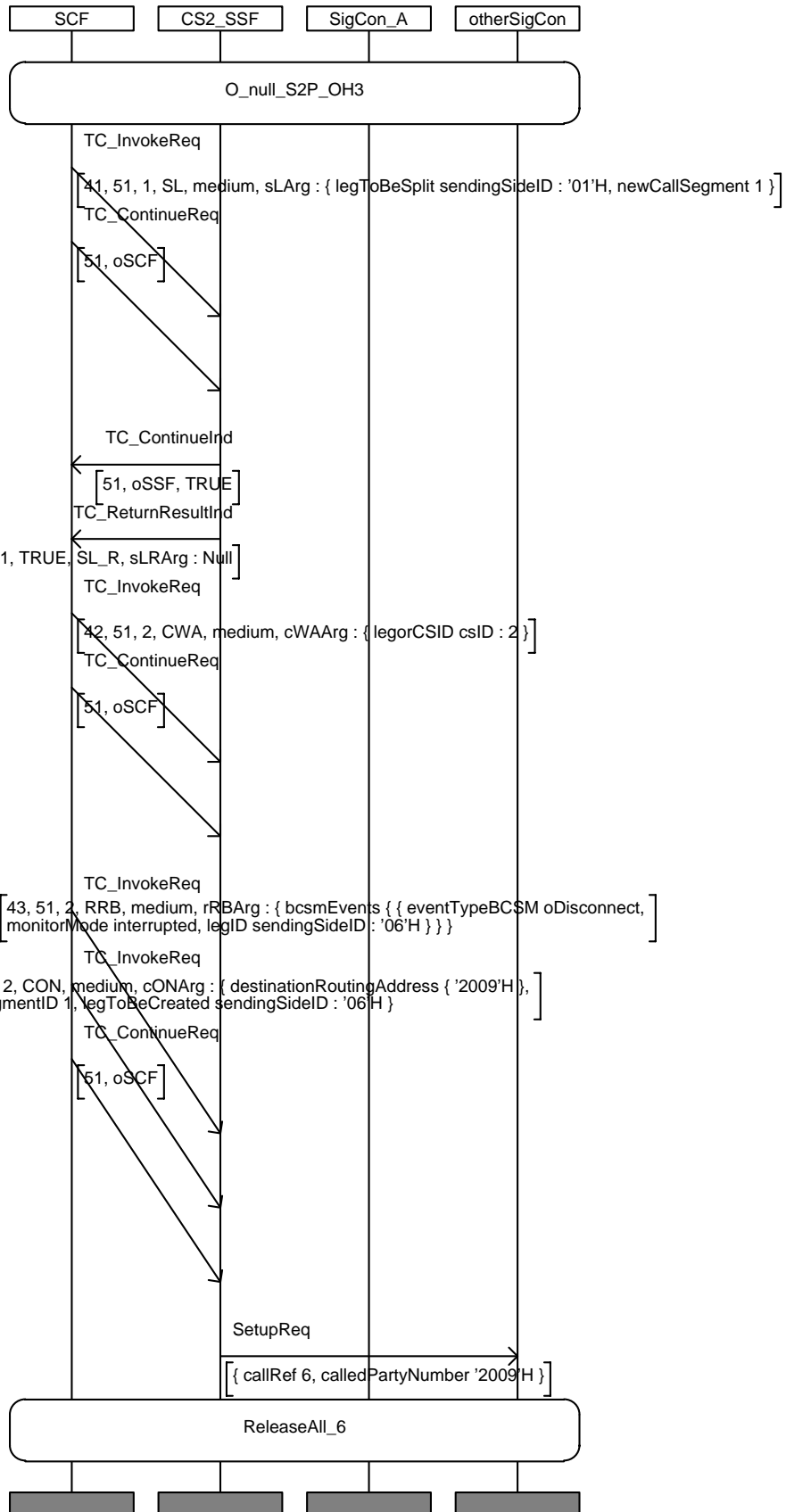
IN2_A_CPH_020	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_null_null_S4P
Test description	L1! DisconnectLeg(1) L1!ContinueWithArgument(CsId=3) L1? DisconnectLegReturnResult Reaching state O_null_null_TF(3): (it could be reconnected afterwards)
Pass criteria	CP1_1? ReleaseReq
Postamble:	ReleaseAll_3

MSC IN2_A_CPH_020



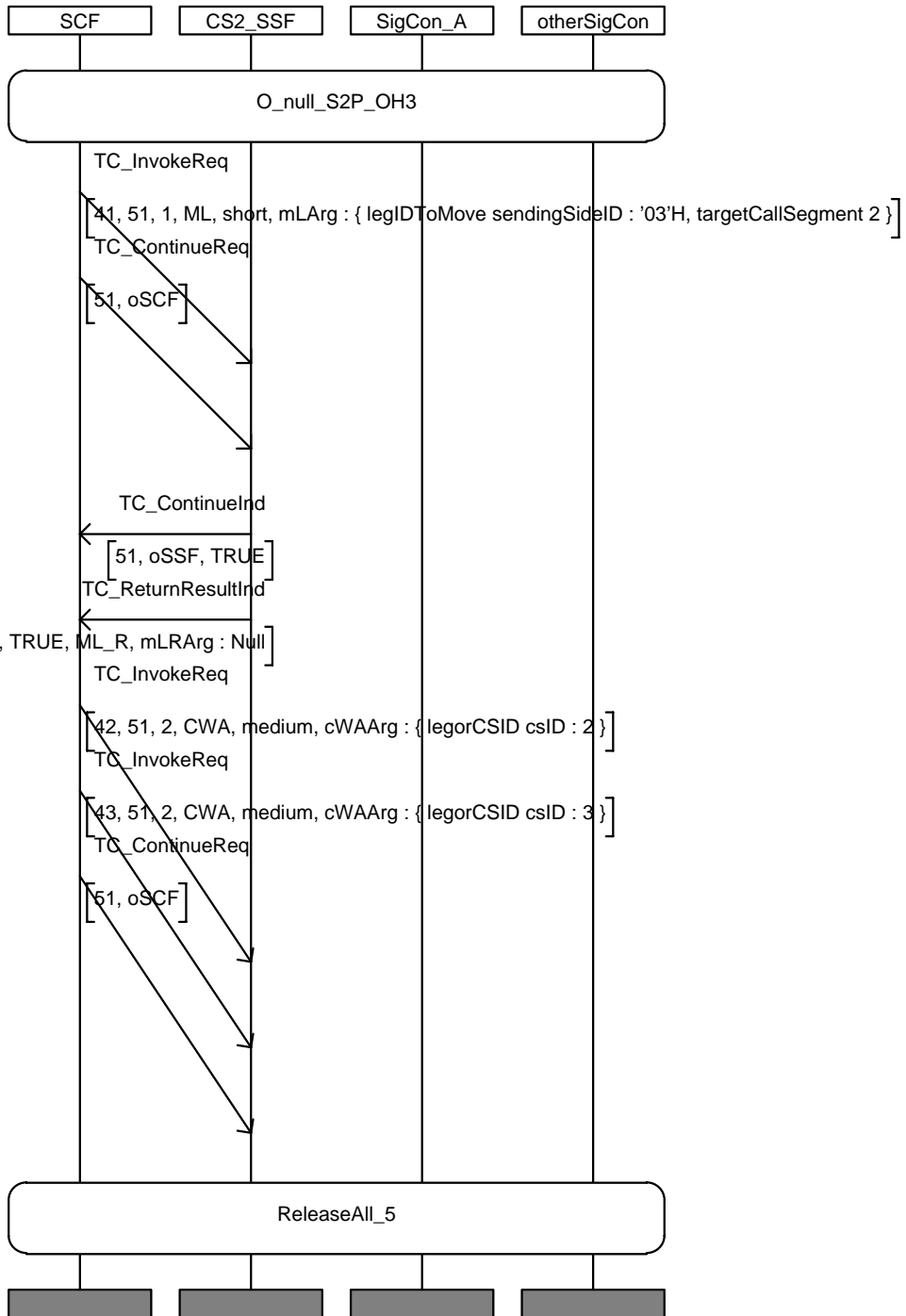
IN2_A_CPH_021	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_null_S2P_OH(3)
Test description	L1! SplitLeg(1,1) L1? SplitLegReturnResult L1! ContinueWithArgument(CSIId=2) L1! RequestReportBCSMEvent(6,oDisconnect) L1! Connect(6,1) Reaching state O_S2P_OH(1)_OH(3)
Pass criteria	CP1-6? SetUpReq
Postamble:	ReleaseAll_6

MSC IN2_A_CPH_021



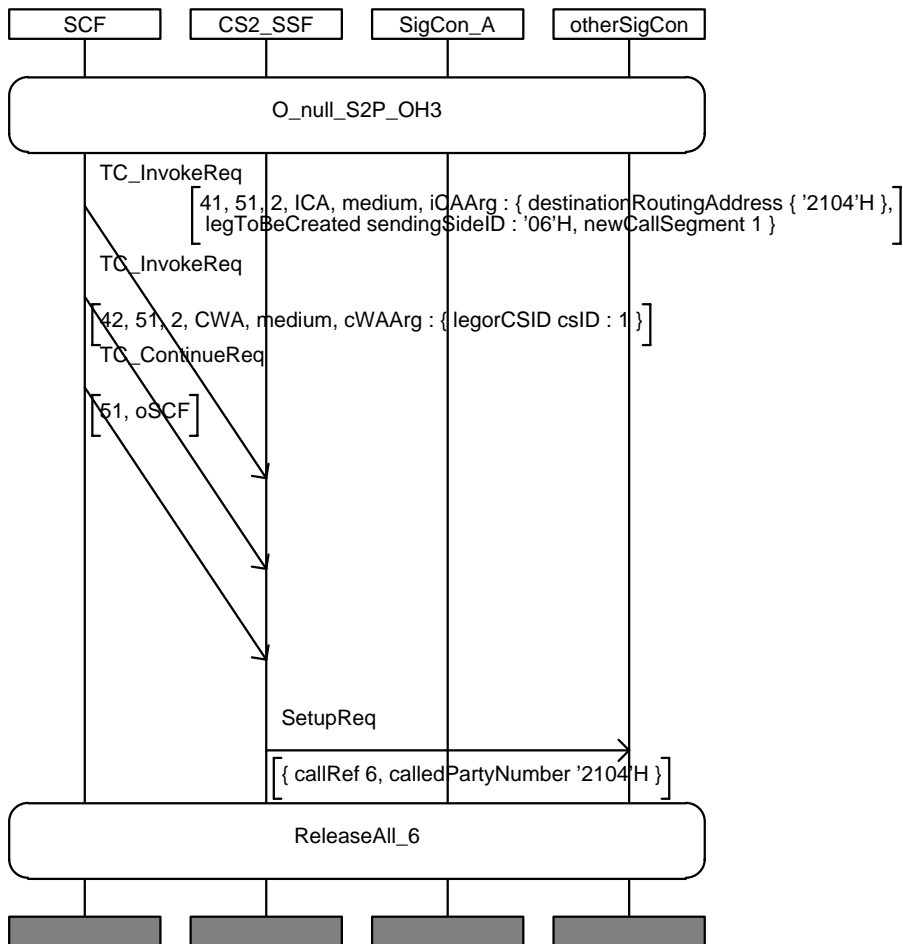
IN2_A_CPH_022	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_null_S2P_OH(3)
Test description	L1! MoveLeg(3,2) L1! ContinueWithArgument(CsId=2) L1! ContinueWithArgument(CsId=3) Reaching state O_null_S3P_OH(2)
Pass criteria	SSF sends MoveLegReturnResult
Postamble:	ReleaseAll_5

MSC IN2_A_CPH_022



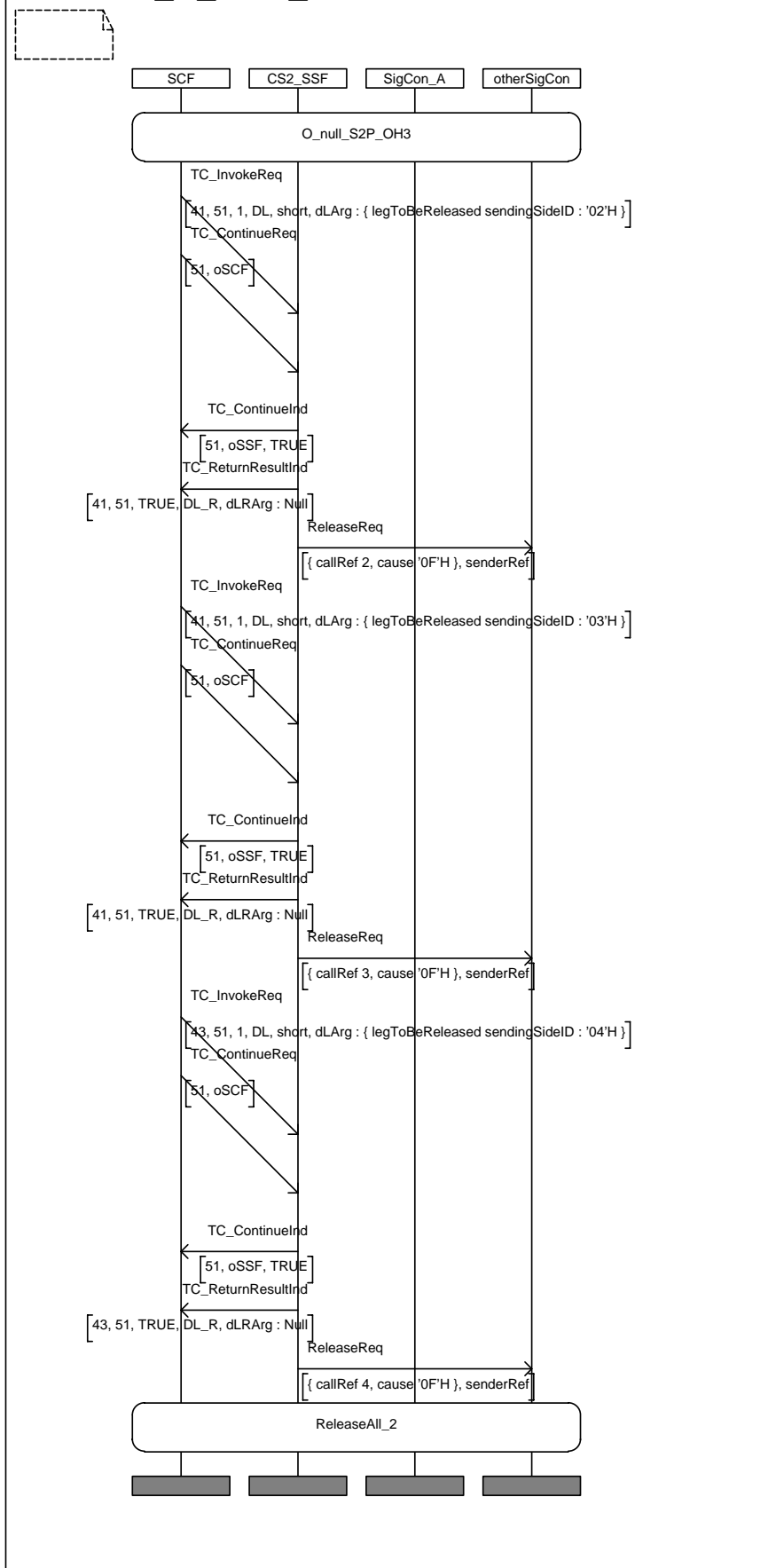
IN2_A_CPH_023	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_null_S2P_OH(3)
Test description	L1! InitiateCallAttempt(6,1) L1! ContinueWithArgument(LegId=6) Reaching state O_S1P_S2P_OH(3)
Pass criteria	CP1_6? SetUpReq
Postamble:	ReleaseAll_6

MSC IN2_A_CPH_023



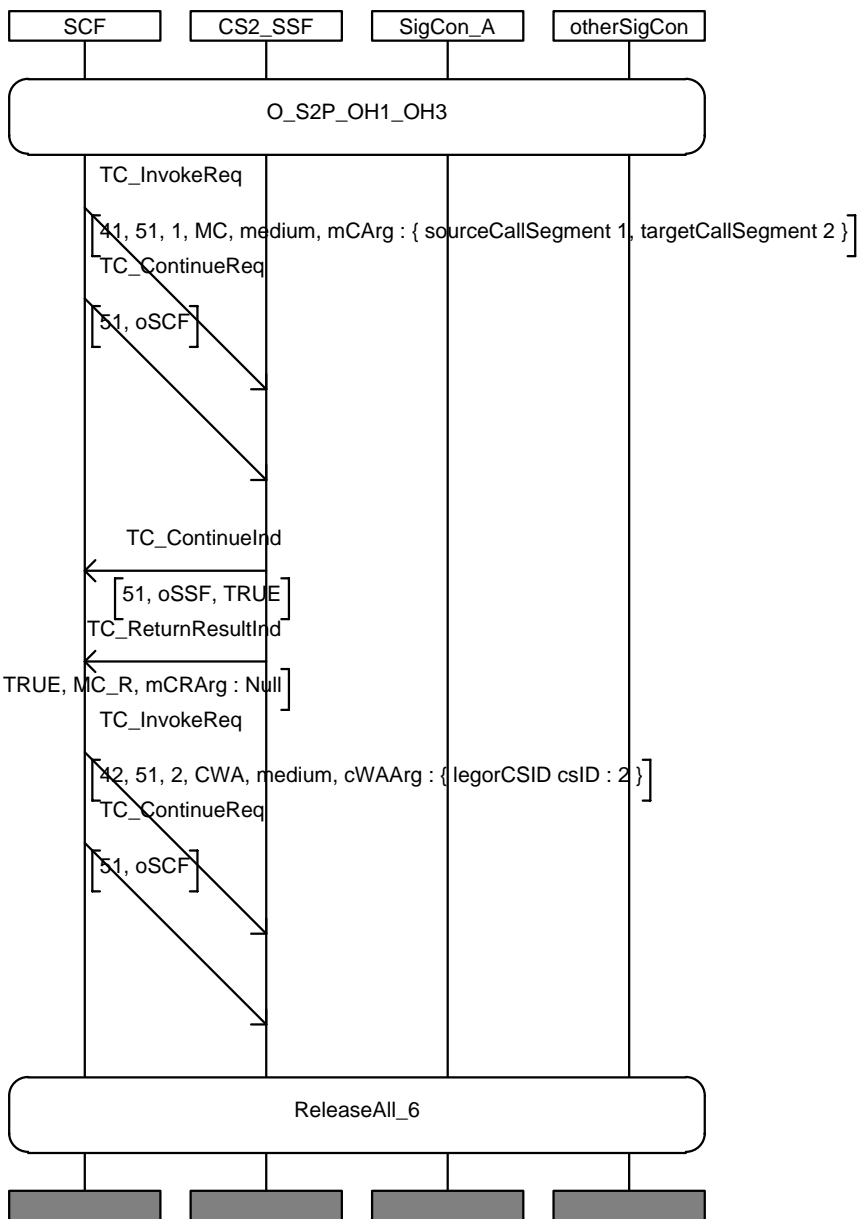
IN2_A_CPH_024	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_null_S2P_OH(3)
Test description	L1! DisconnectLeg(2) L1! DisconnectLeg(3) L1! DisconnectLeg(4) L1? DisconnectLegReturnResult L1? DisconnectLegReturnResult L1? DisconnectLegReturnResult Reaching state O_null_S2P_null
Pass criteria	CP1_2? ReleaseReq CP1_3? ReleaseReq CP1_4? ReleaseReq
Postamble:	ReleaseAll_2

MSC IN2_A_CPH_024

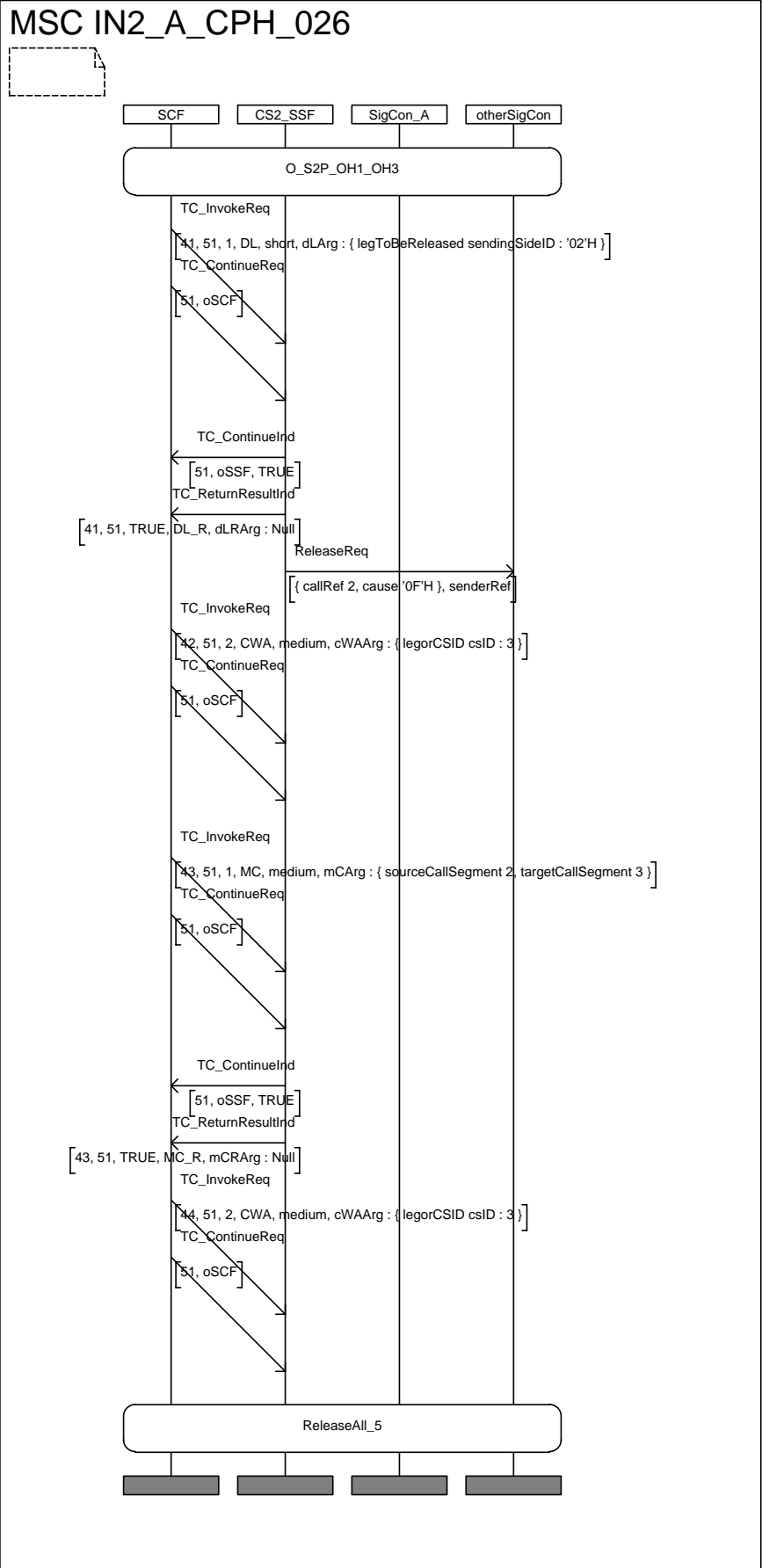


IN2_A_CPH_025	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_S2P_OH(1)_OH(3)
Test description	L1! MergeCallSegment(1,2) L1! ContinueWithArgument(CsId=2) Reaching state O_null_S3P_OH(3)
Pass criteria	SSF sends MergeCallSegmentReturnResult
Postamble:	ReleaseAll_6

MSC IN2_A_CPH_025

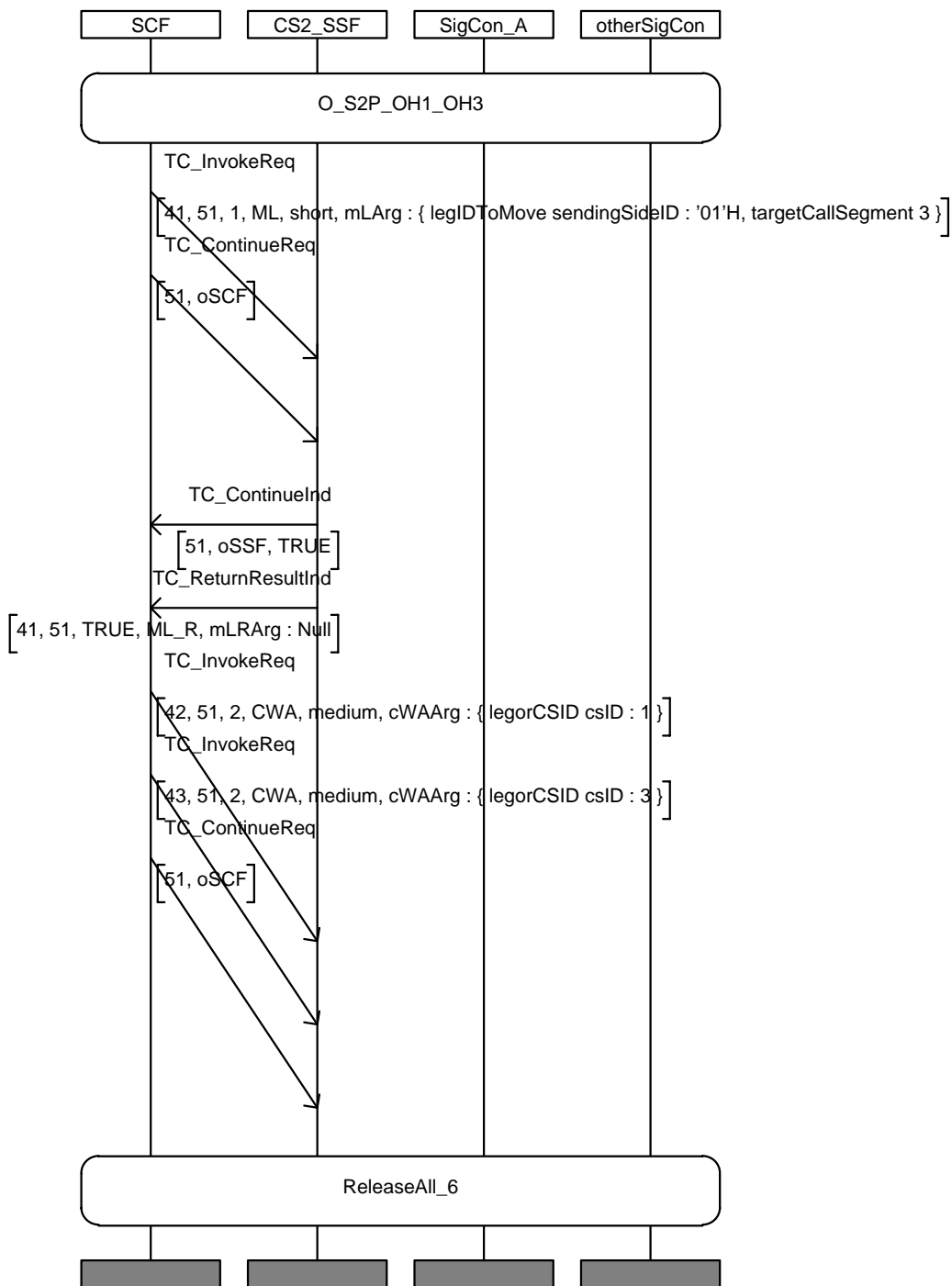


IN2_A_CPH_026	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_S2P_OH(1)_OH(3)
Test description	L1! DisconnectLeg(2) L1! ContinueWithArgument(CsId=3) L1? DisconnectLegReturnResult CP1-2? ReleaseReq L1! MergeCallSegment(2,3) L1? MergeCallSegmentReturnResult L1! ContinueWithArgument(CsId=3) Reaching state O_S2P_null_OH(3)
Pass criteria	CP1_2? ReleaseReq
Postamble:	ReleaseAll_5



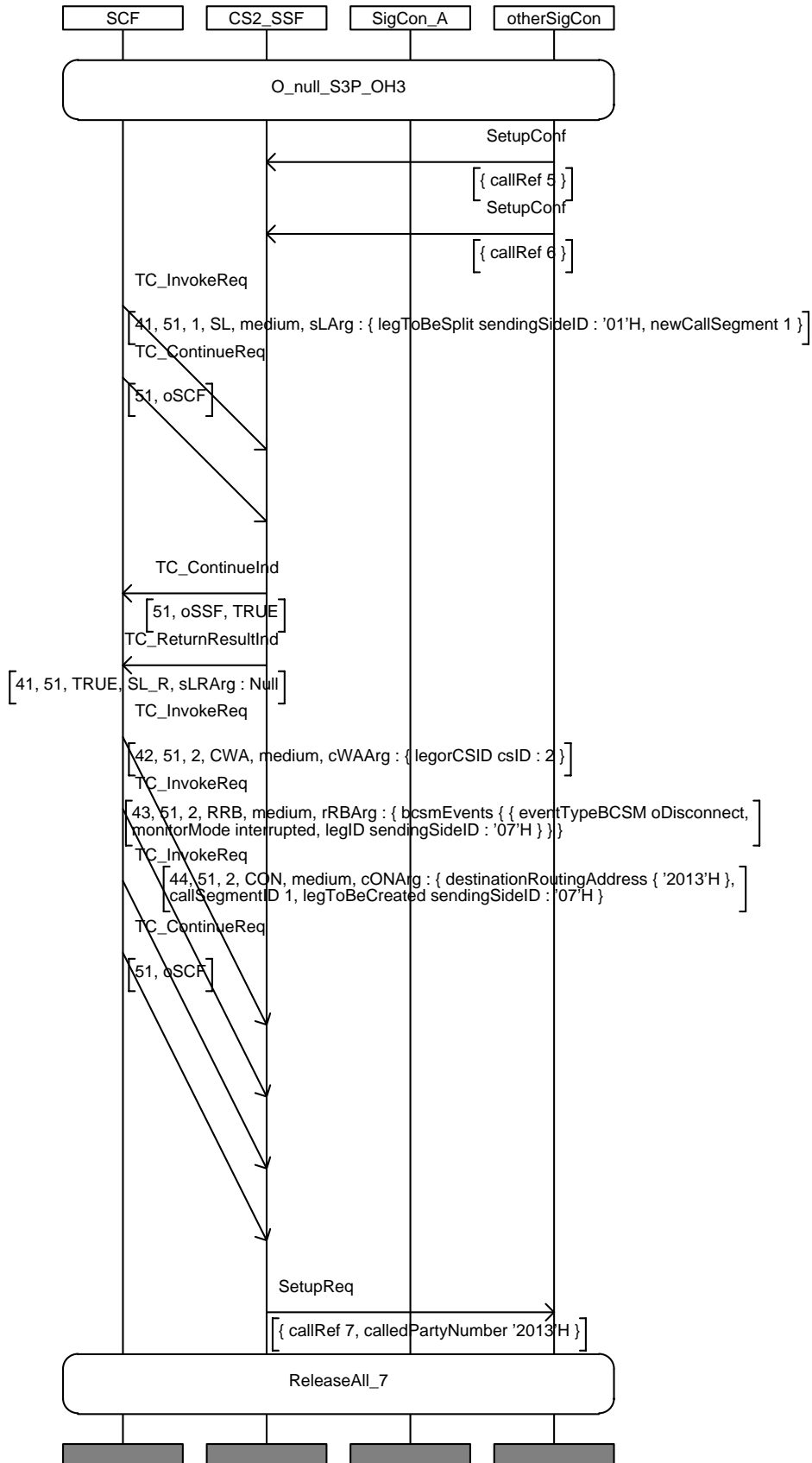
IN2_A_CPH_027	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_S2P_OH(1)_OH(3)
Test description	L1! MoveLeg(1,3) L1! ContinueWithArgument(CsId=1) L1! ContinueWithArgument(CsId=3) Reaching state O_OH(1)_OH(1)_S4P
Pass criteria	SSF sends MoveLegReturnResult
Postamble:	ReleaseAll_6

MSC IN2_A_CPH_027



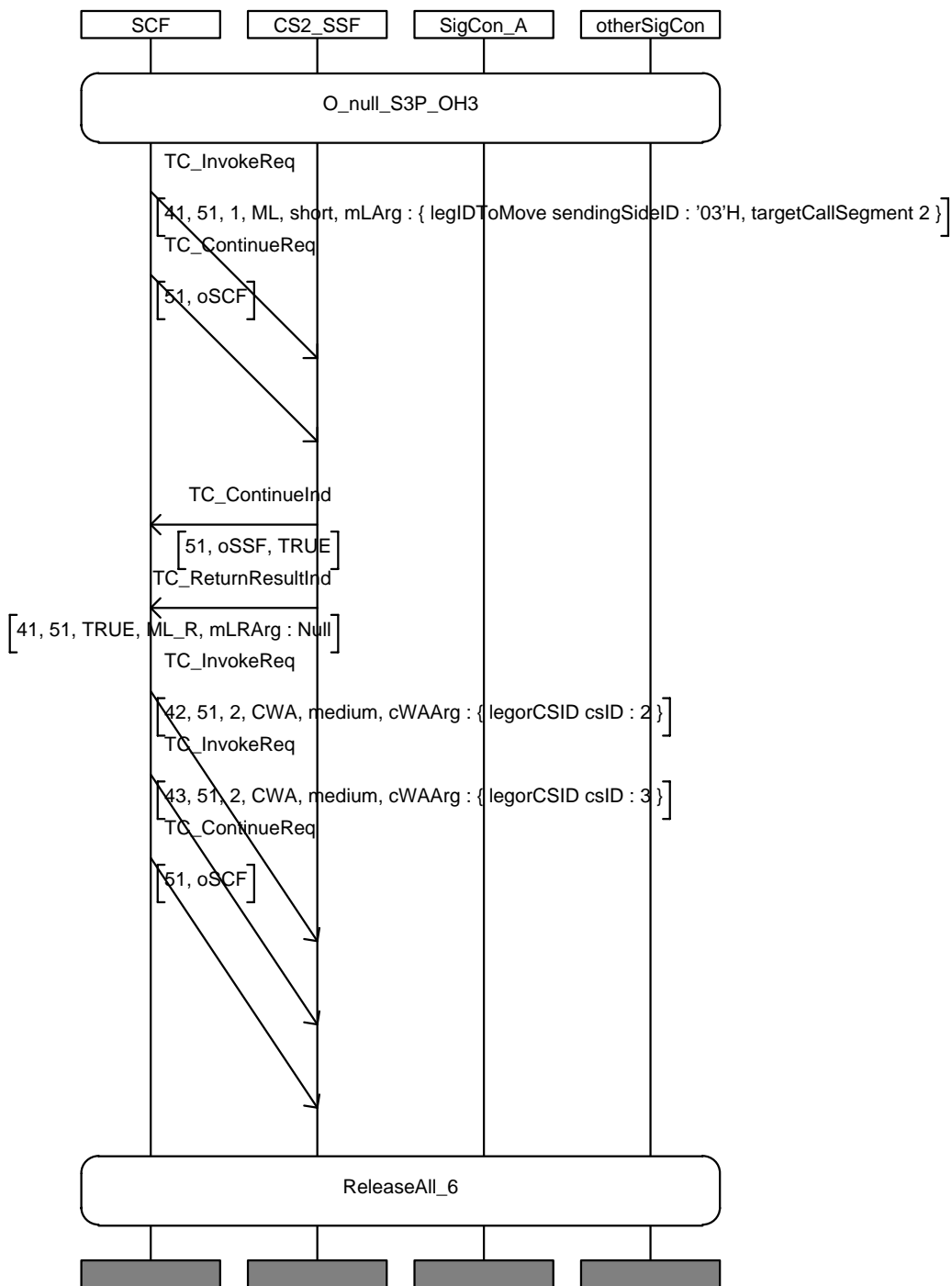
IN2_A_CPH_028	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_null_S3P_OH(3)
Test description	CP1-5! SetupCon, E party answers CP1-6! SetupConf, F party answers L1! SplitLeg(1,1) L1? SplitLegReturnResult L1! ContinueWithArgument(CSId=2) L1! RequestReportBCSMEvent(7,oDisconnect) L1! Connect(7,1) Reaching state O_S2P_OH(2)_OH(3)
Pass criteria	CP1-7? SetUpReq
Postamble:	ReleaseAll_7

MSC IN2_A_CPH_028



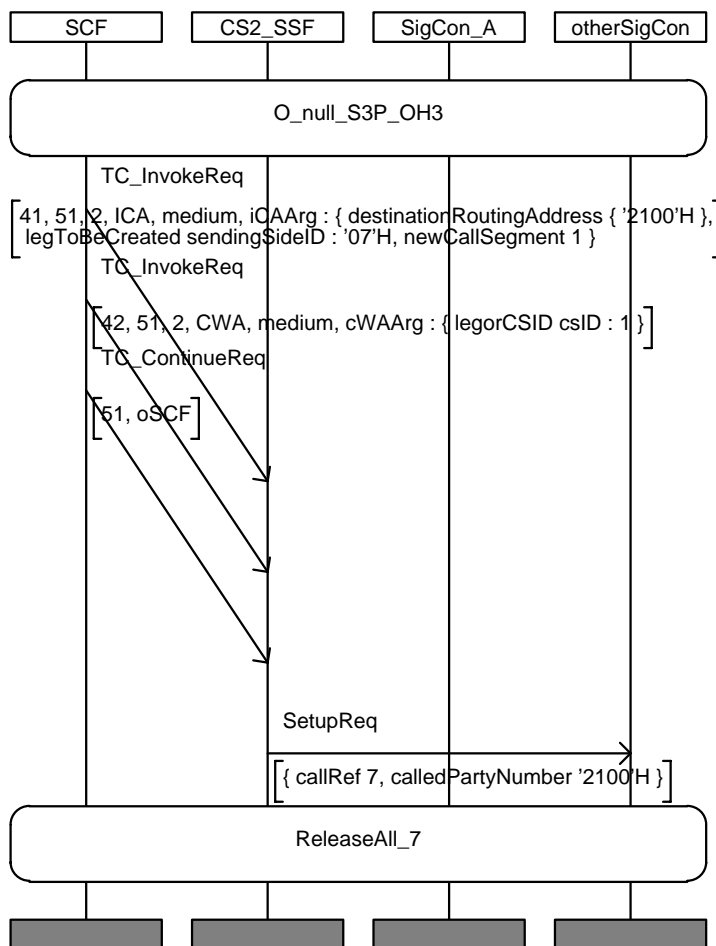
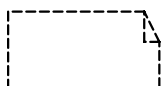
IN2_A_CPH_029	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_null_S3P_OH(3)
Test description	L1! MoveLeg(3,2) L1! ContinueWithArgument(CsId=2) L1! ContinueWithArgument(CsId=3) Reaching state O_null_S4P_OH(2)
Pass criteria	SSF sends MoveLegReturnResult
Postamble:	ReleaseAll_6

MSC IN2_A_CPH_029

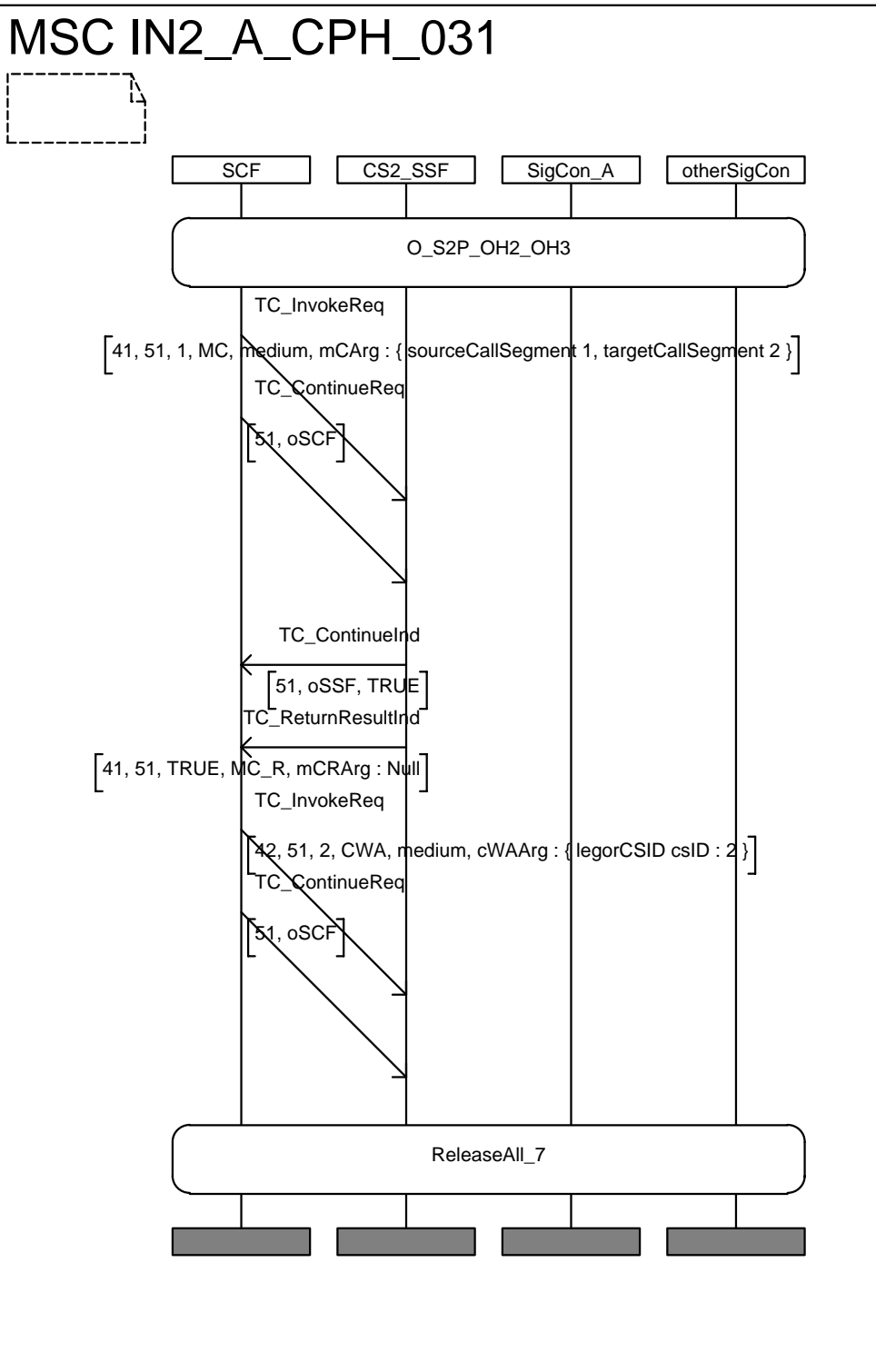


IN2_A_CPH_030	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_null_S3P_OH(3)
Test description	L1! InitiateCallAttempt(7,1) L1! ContinueWithArgument(7) Reaching state O_S1P_S3P_OH(3)
Pass criteria	CP1_7? SetupReq
Postamble:	ReleaseAll_7

MSC IN2_A_CPH_030

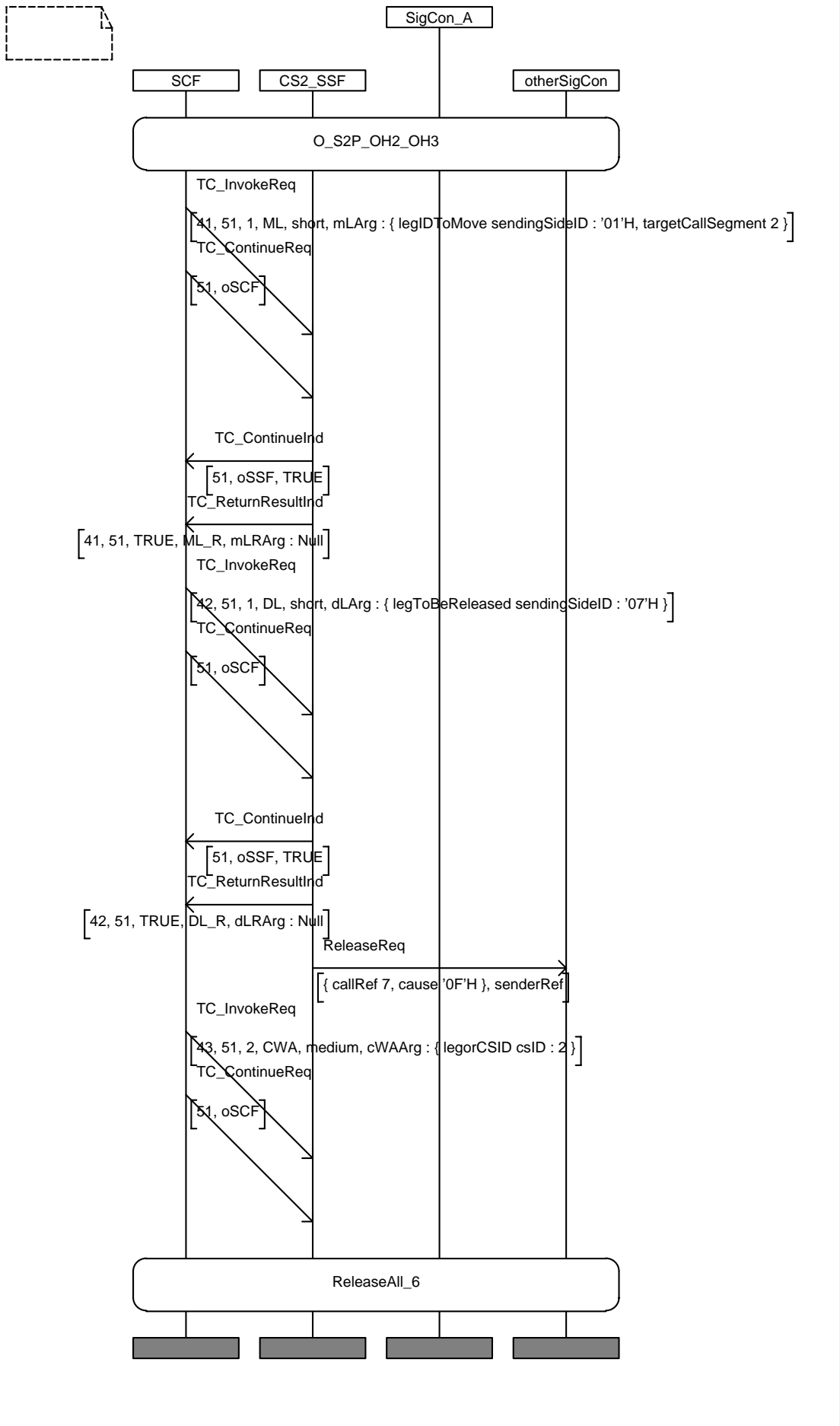


IN2_A_CPH_031	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_S2P_OH(2)_OH(3)
Test description	L1! MergeCallSegment(1,2) L1! ContinueWithArgument(CsId=2) Reaching state O_null_S4P_OH(3)
Pass criteria	SSF sends MergeCallSegmentReturnResult
Postamble:	ReleaseAll_7



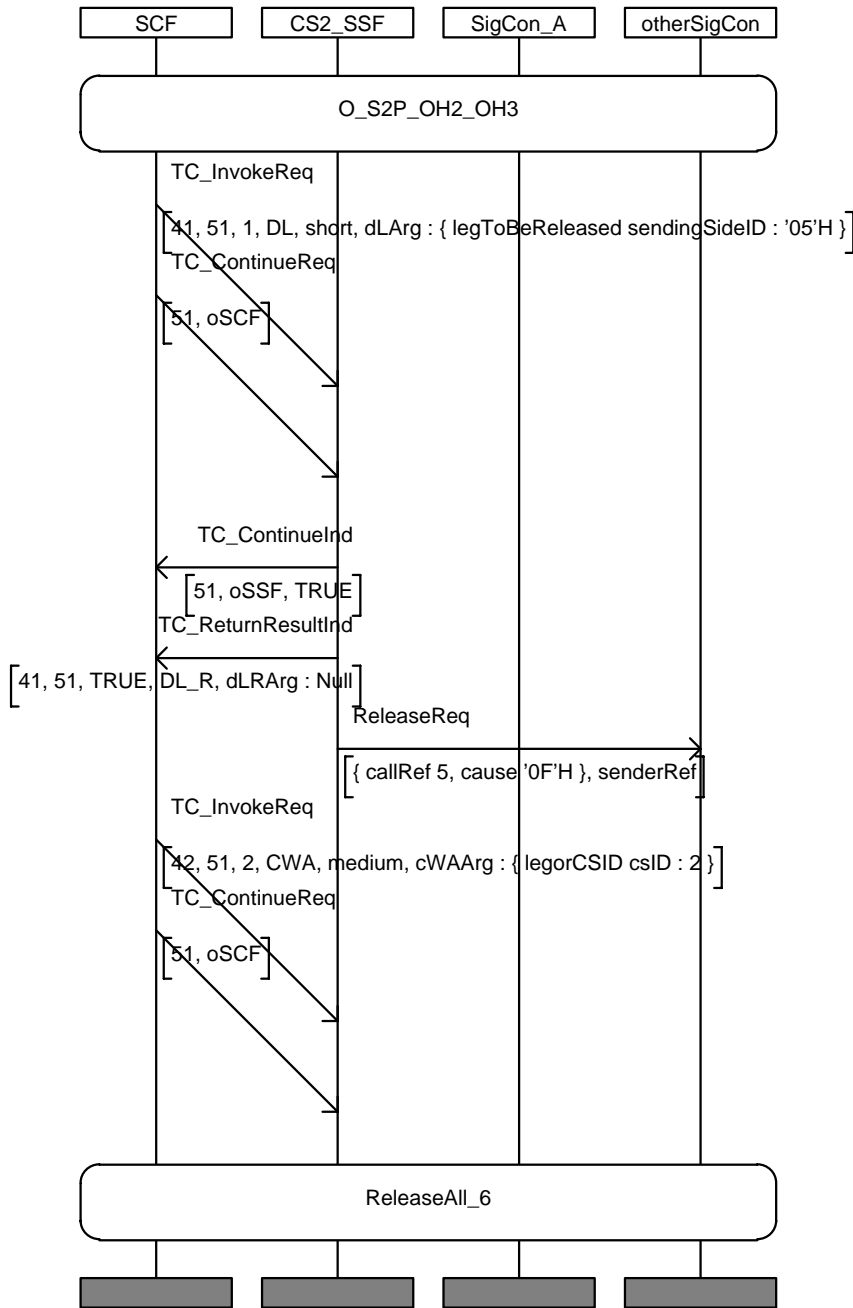
IN2_A_CPH_032	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_S2P_OH(2)_OH(3)
Test description	L1! MoveLeg(1,2) L1? MoveLegReturnResult L1! DisconnectLeg(7) L1! ContinueWithArgument(CsId=2) L1? DisconnectLegReturnResult Reaching state O_null_S3P_OH(3)
Pass criteria	CP1_7? ReleaseReq
Postamble:	ReleaseAll_6

MSC IN2_A_CPH_032



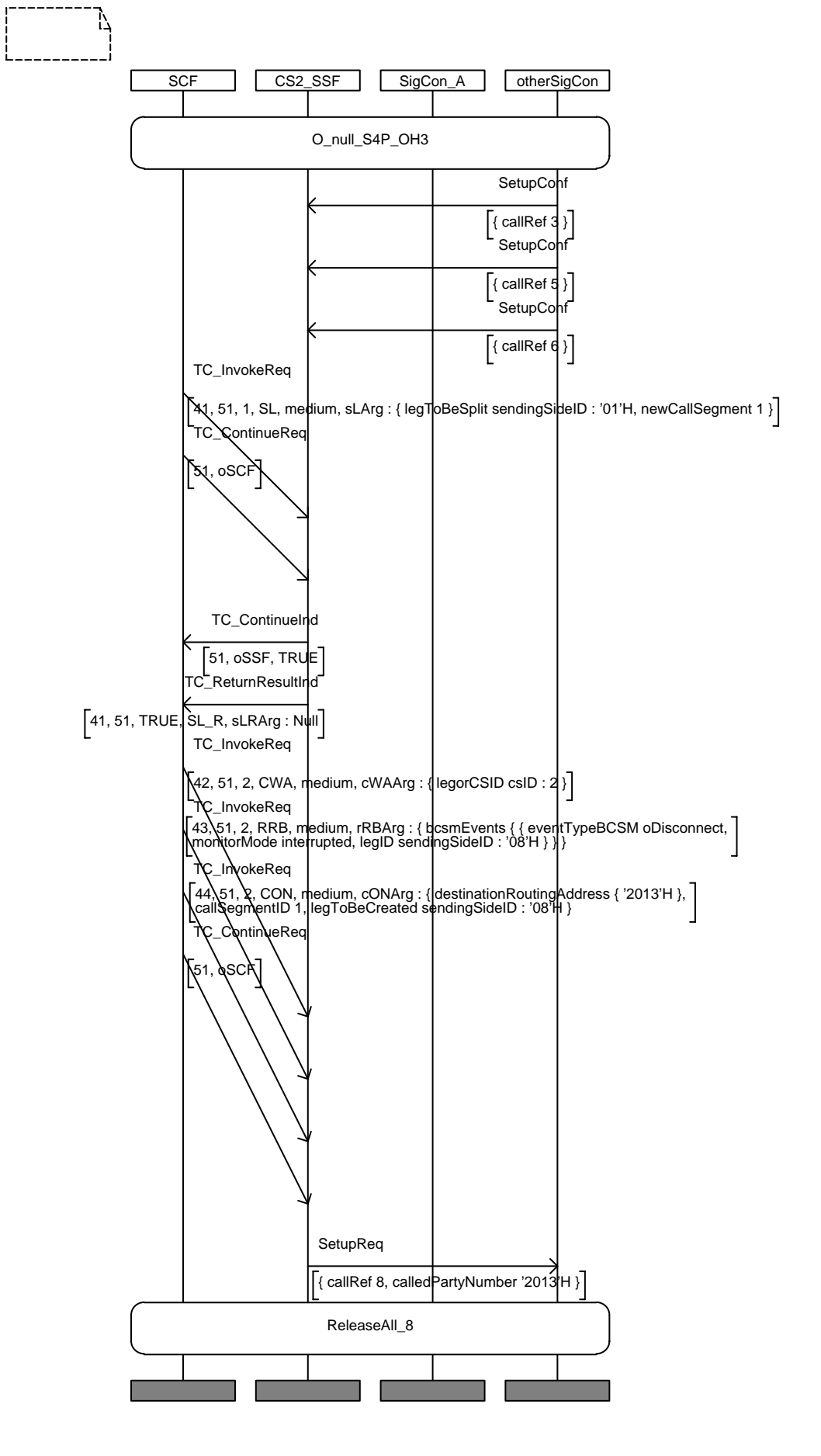
IN2_A_CPH_033	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_S2P_OH(2)_OH(3)
Test description	L1! DisconnectLeg(5) L1! ContinueWithArgument(CsId=2) L1? DisconnectLegReturnResult Reaching state O_S2P_OH(1)_OH(3)
Pass criteria	CP1_5? ReleaseReq
Postamble:	ReleaseAll_6

MSC IN2_A_CPH_033

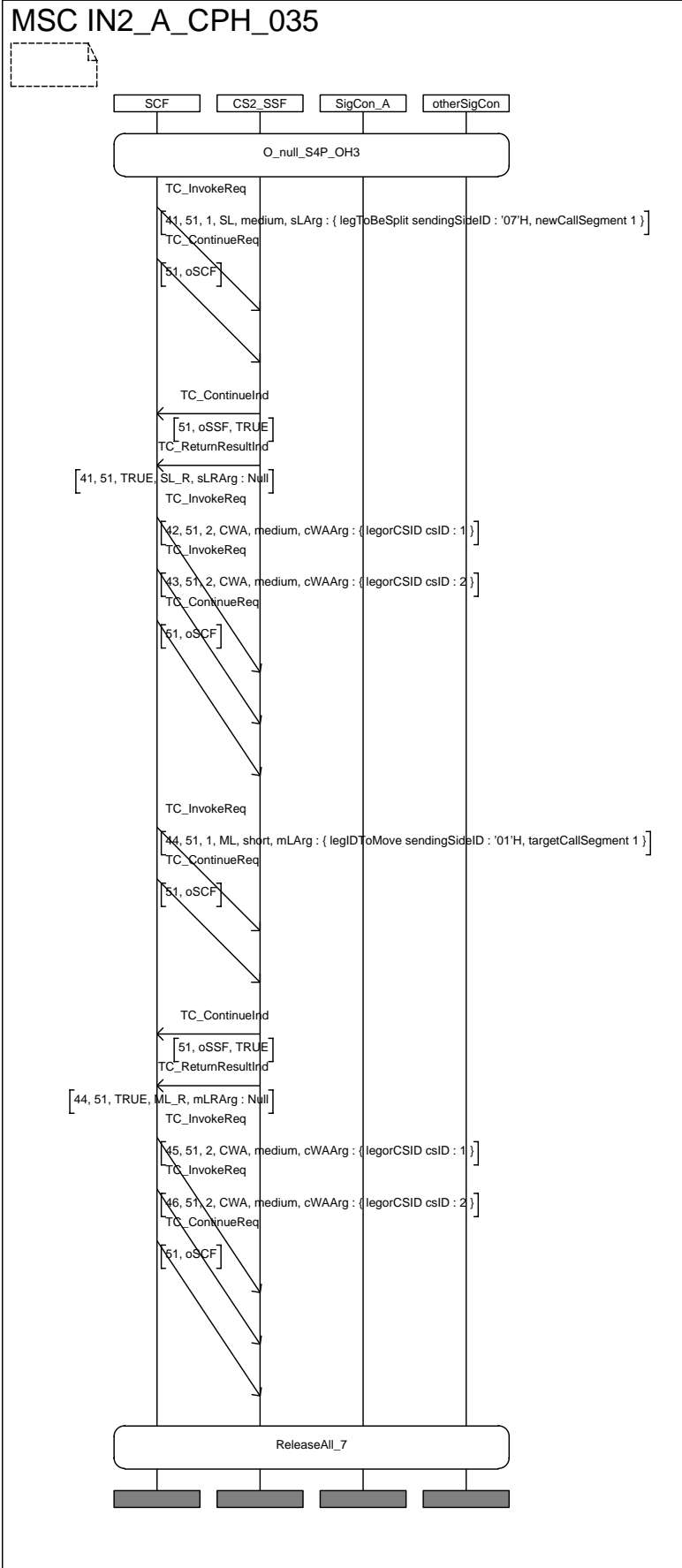


IN2_A_CPH_034	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_null_S4P_OH(3)
Test description	CP1-3! SetupConf, C party answers CP1-5! SetupConf, E party answers CP1-6! SetupConf, F party answers L1! SplitLeg(1,1) L1? SplitLegReturnResult L1! ContinueWithArgument(CsId=1) L1! ContinueWithAgument(CsId=2) L1! RequestReportBCSMEvent(8,oDisconnect) L1! Connect(8,1) Reaching state O-S2P_OH(3)_OH(3)
Pass criteria	CP1-8? SetUpReq
Postamble:	ReleaseAll_8

MSC IN2_A_CPH_034

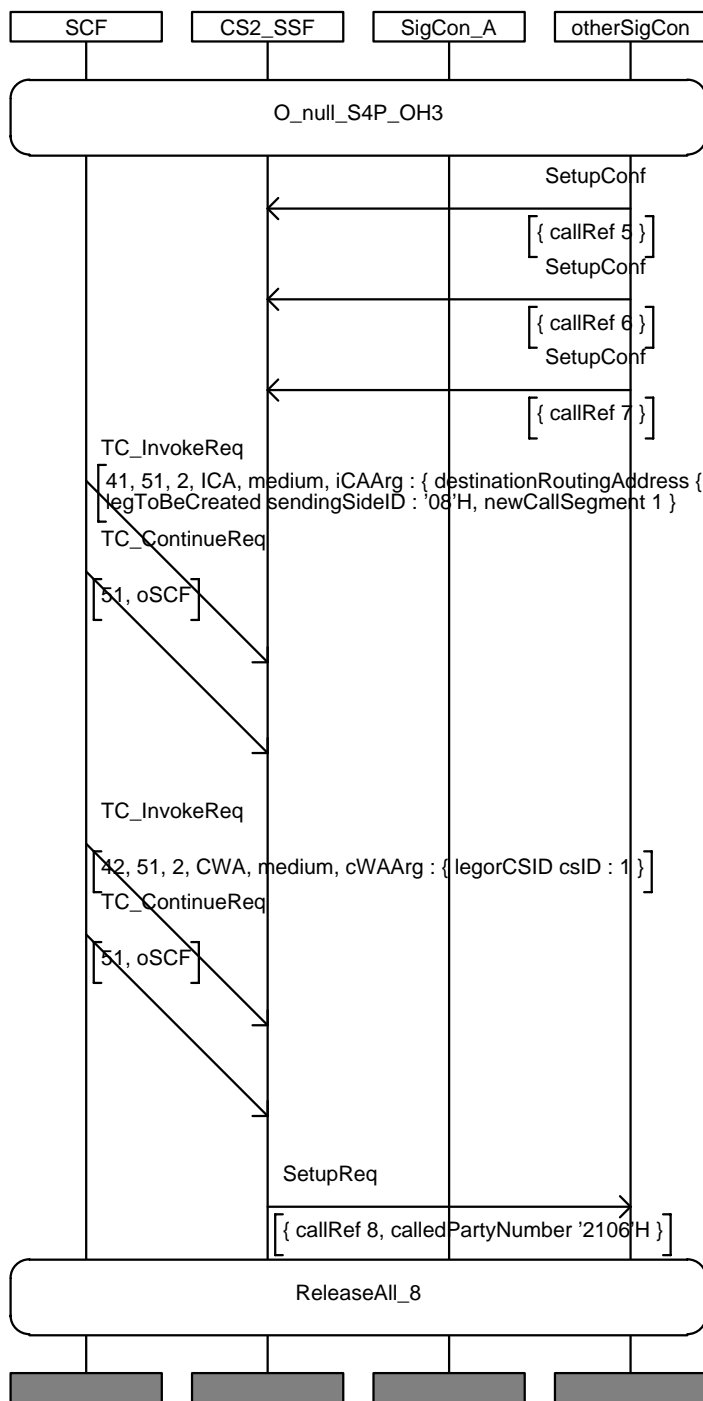


IN2_A_CPH_035	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_null_S4P_OH(3)
Test description	L1! SplitLeg(7,1) L1! ContinueWithArgument(CsId=1) L1! ContinueWithArgument(CsId=2) L1! MoveLeg(1,1) L1! ContinueWithArgument(CsId=1) L1! ContinueWithArgument(CsId=2) Reaching state O_S2P_OH(2)_OH(3)
Pass criteria	SSF sends SplitLegReturnResult SSF sends MoveLegReturnResult
Postamble:	ReleaseAll_7

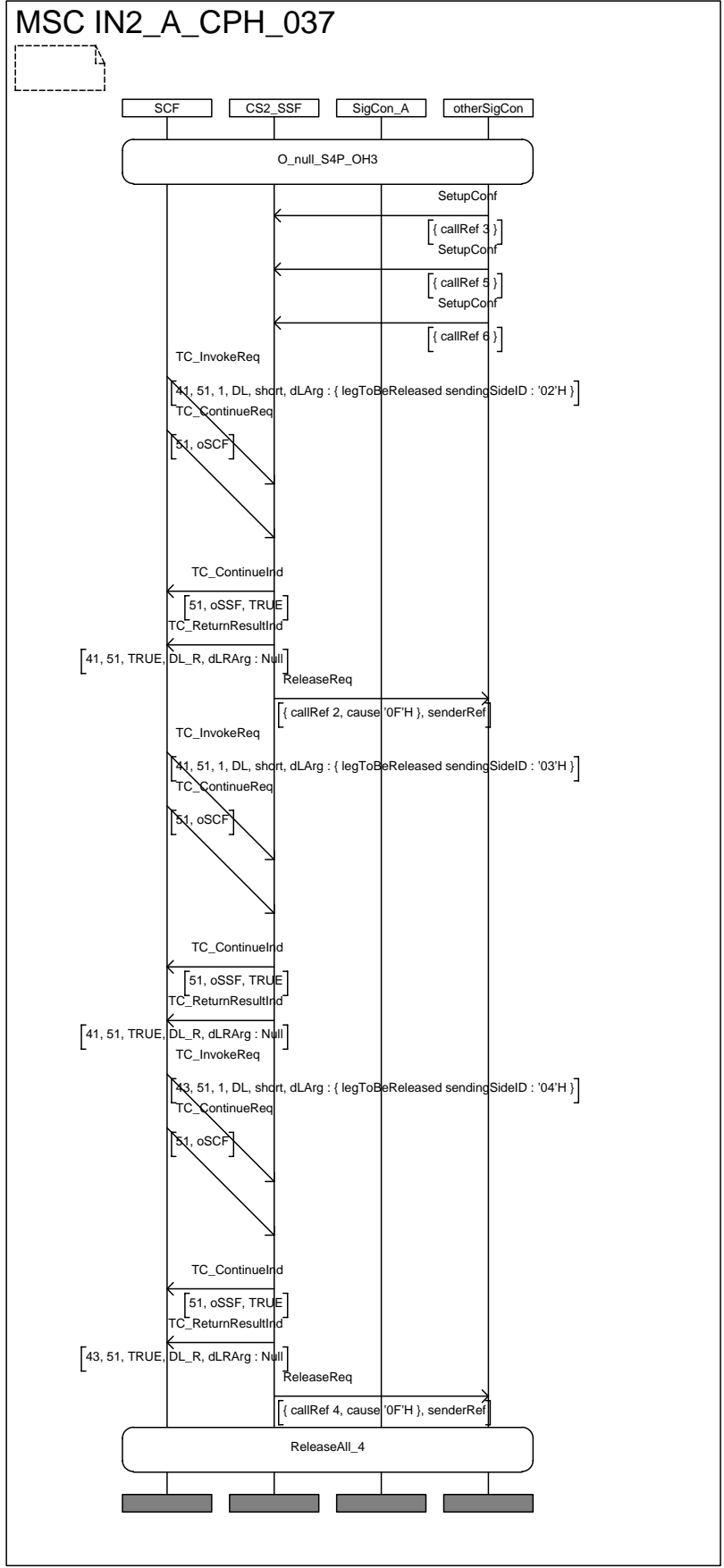


IN2_A_CPH_036	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_null_S4P_OH(3)
Test description	CP1-3! SetupConf, C party answers CP1-5! SetupConf, E party answers CP1-6! SetupConf, F party answers L1! InitiateCallAttempt(8,1) L1! ContinueWithArgument(8) Reaching state O_S1P_S4P_OH(3)
Pass criteria	CP1_8? SetUpReq
Postamble:	ReleaseAll_8

MSC IN2_A_CPH_036

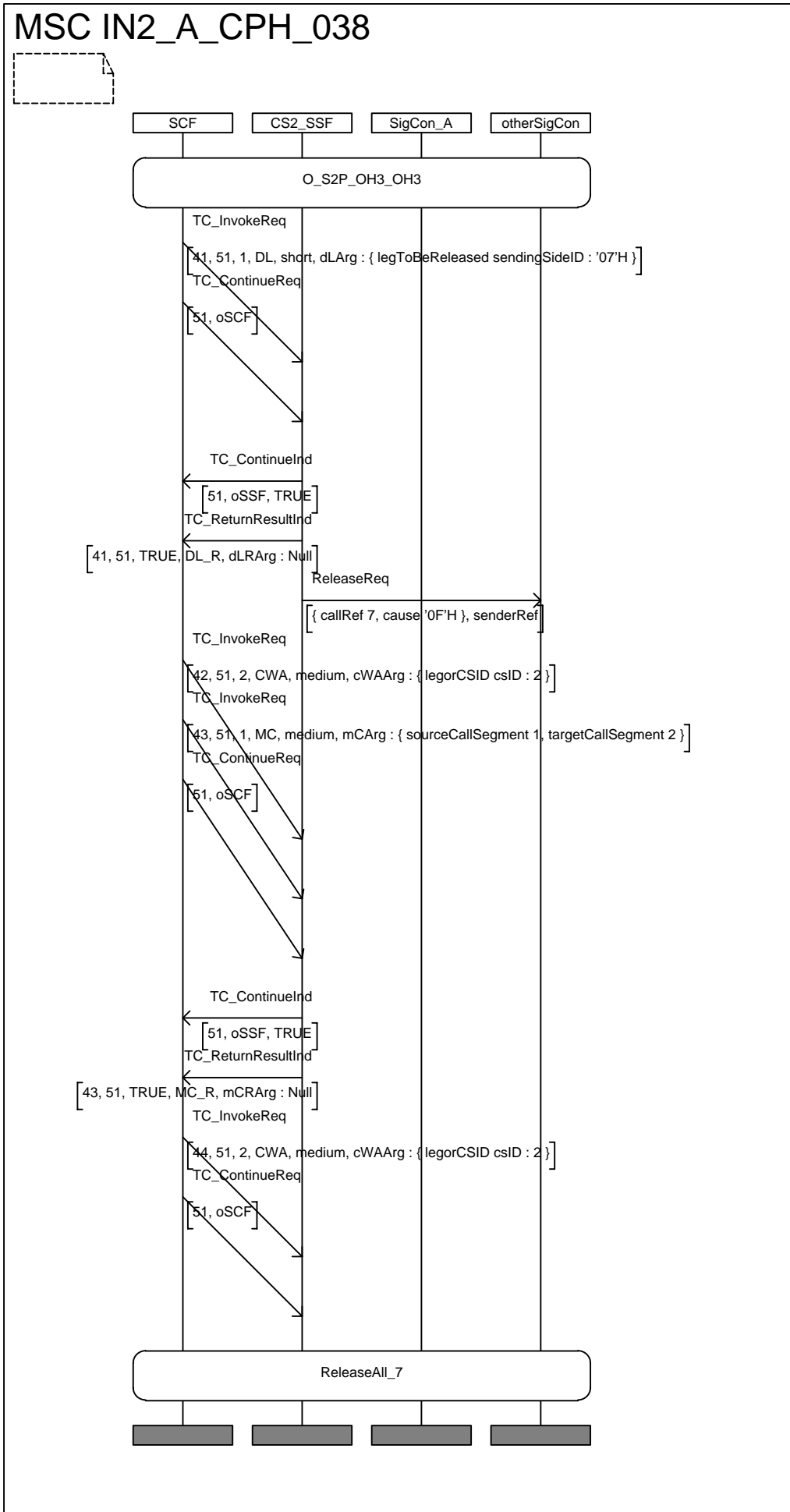


IN2_A_CPH_037	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_null_S4P_OH(3)
Test description	CP1-3! SetupConf, C party answers CP1-5! SetupConf, E party answers CP1-6! SetupConf, F party answers L1! DisconnectLeg(2) L1! DisconnectLeg(3) L1! DisconnectLeg(4) L1? DisconnectLegReturnResult L1? DisconnectLegReturnResult L1? DisconnectLegReturnResult Reaching state O_null_S4P_null
Pass criteria	CP1_2? ReleaseReq CP1_3? ReleaseReq CP1_4? ReleaseReq
Postamble:	ReleaseAll_4



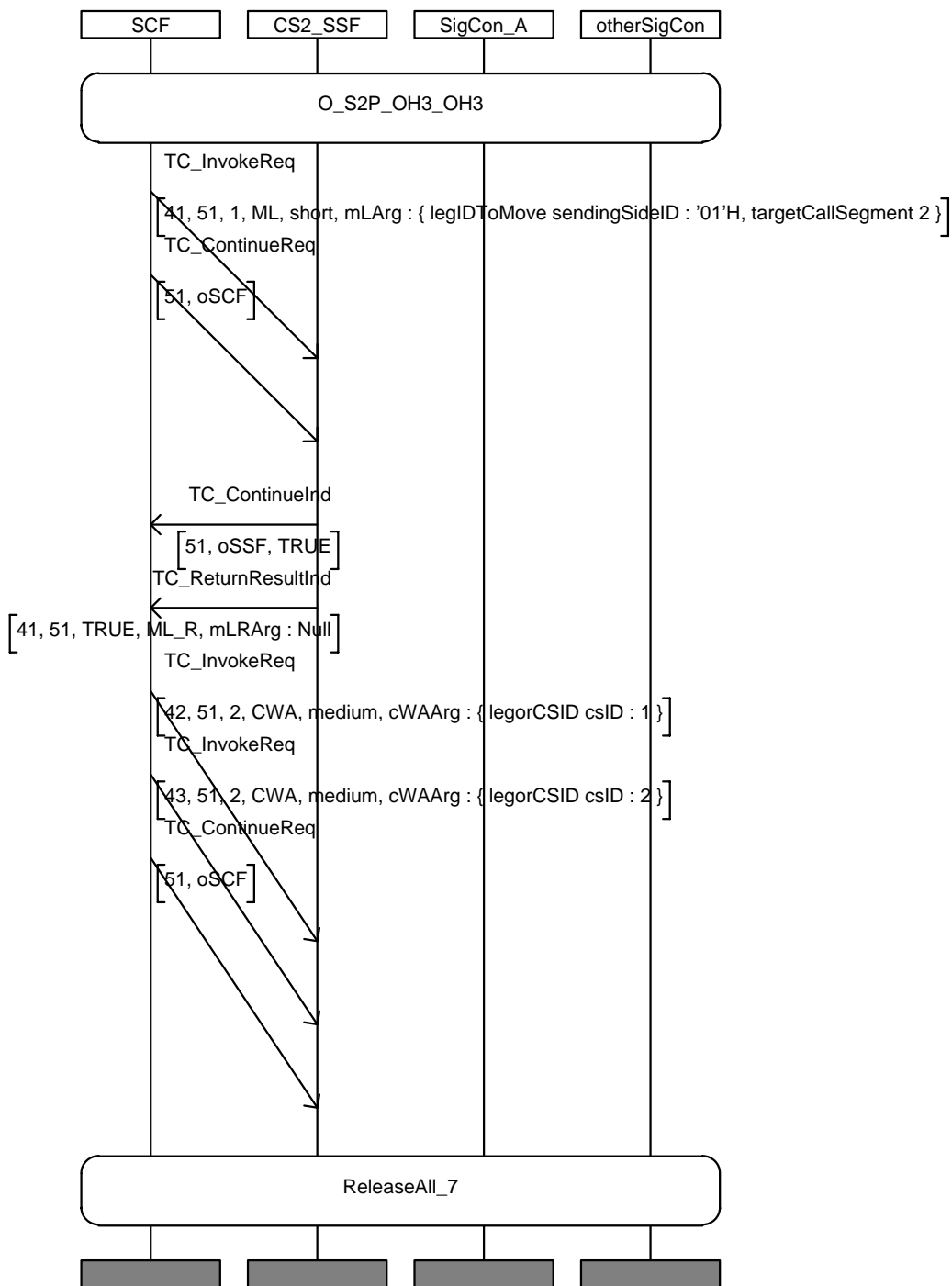
IN2_A_CPH_038	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_S2P_OH(3)_OH(3)
Test description	L1! DisconnectLeg(7) L1! ContinueWithArgument(CsId=2) L1! MergeCallSegment(1,2) L1? MergeCallSegmentReturnResult L1! ContinueWithArgument(CsId=2) L1? DisconnectLegReturnResult Reaching O_null_S4P_OH(3)
Pass criteria	CP1_7? ReleaseReq
Postamble:	ReleaseAll_7

MSC IN2_A_CPH_038



IN2_A_CPH_039	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	O_S2P_OH(3)_OH(3)
Test description	L1! MoveLeg(1,2) L1! ContinueWithArgument(CsId=2) L1! ContinueWithArgument(CsId=1) Reaching state O_OH(1)_S4P_OH(3)
Pass criteria	SSF sends MoveLegReturnResult
Postamble:	ReleaseAll_7

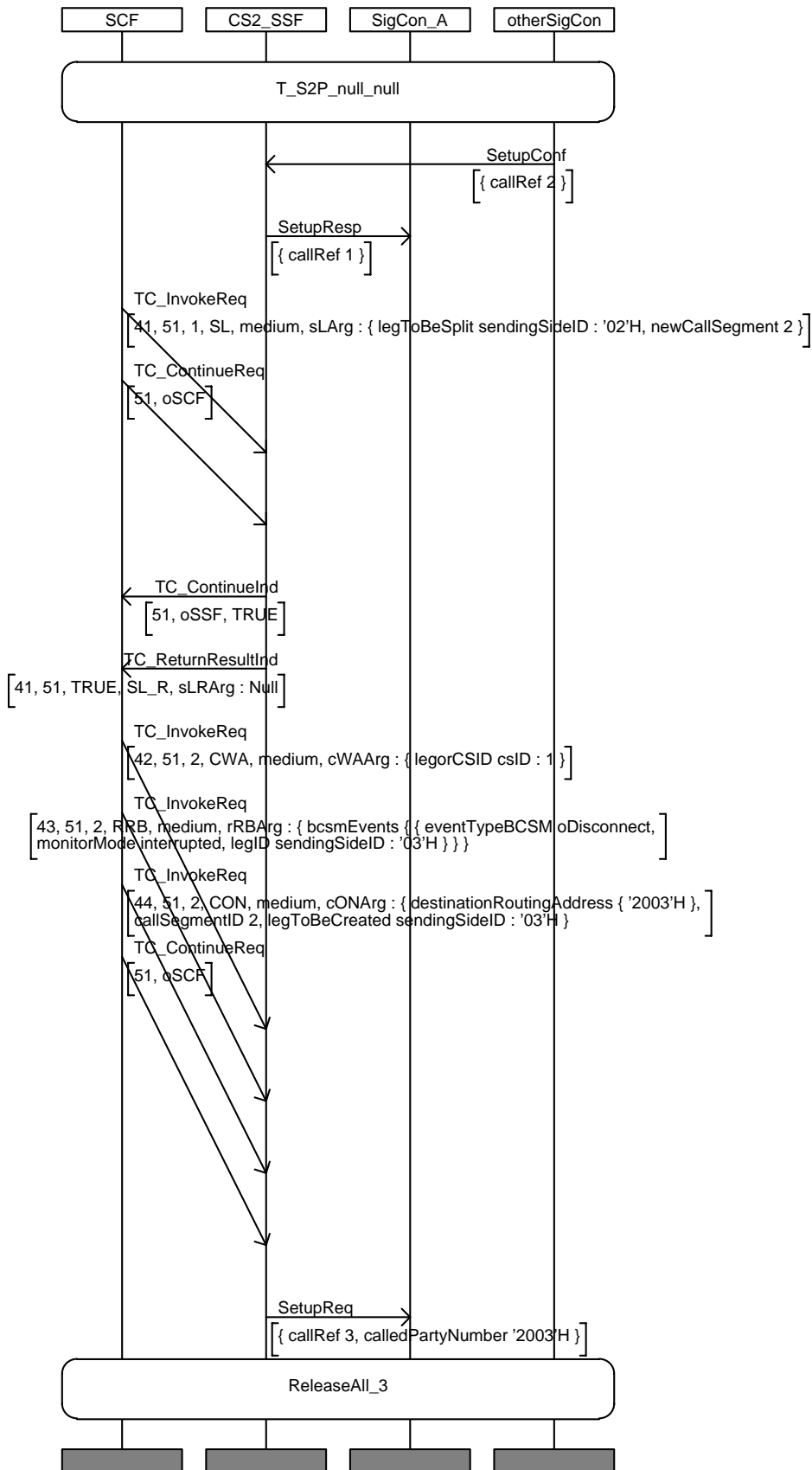
MSC IN2_A_CPH_039



7.5.2 Terminating (T_BCSM) trigger (controlling legId = 2)

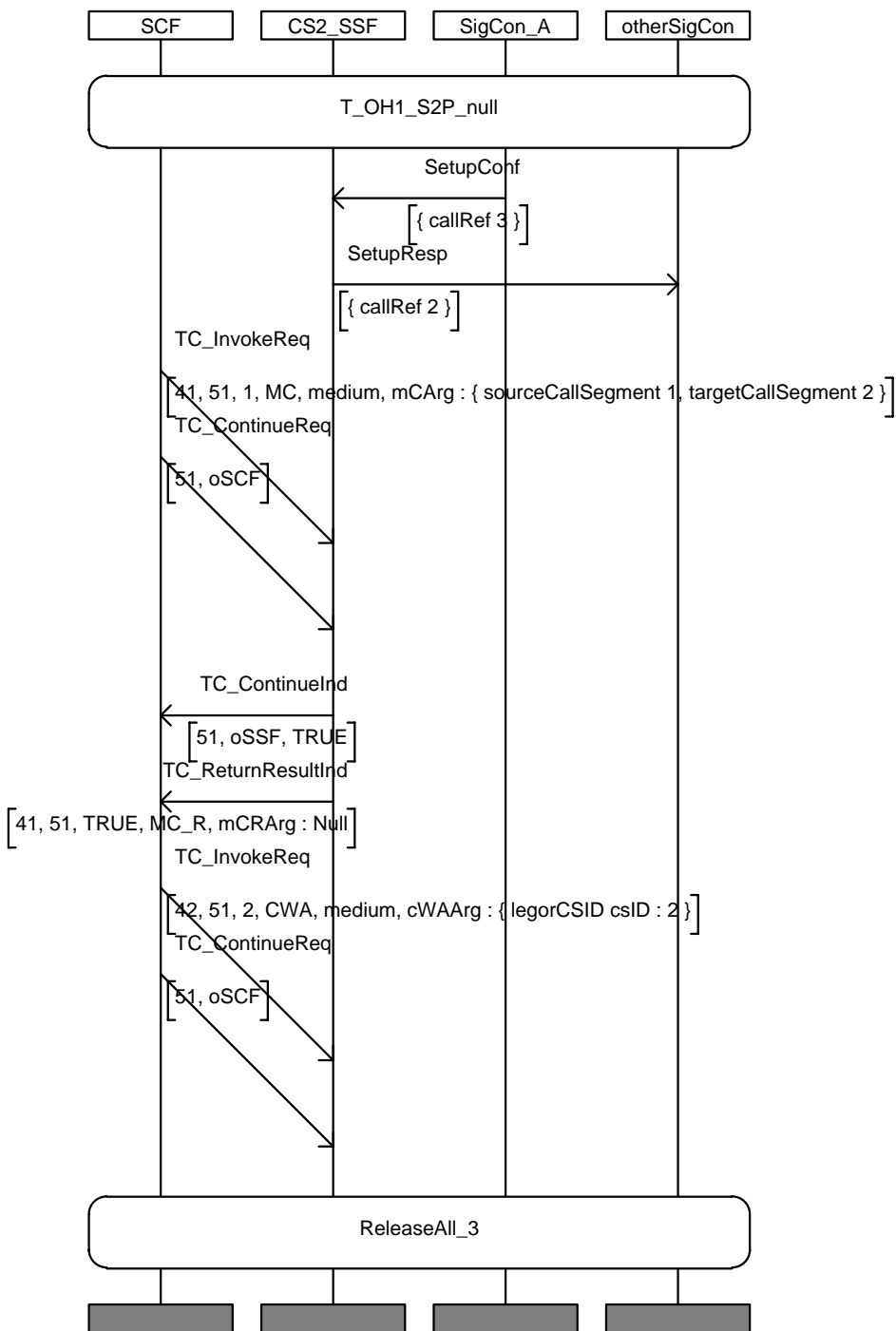
IN2_A_CPH_040	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	T_S2P_null_null
Test description	CP1-2! SetupConf L1! SplitLeg(2,2) L1? SplitLegReturnResult L1! ContinueWithArgument(CSId=1) L1! RequestReportBCSMEvent(3,oDisconnect) L1! Connect(3,2) Reaching state T_OH(1)_S2P_null
Pass criteria	CP1-3? SetUpReq
Postamble:	ReleaseAll_3

MSC IN2_A_CPH_040



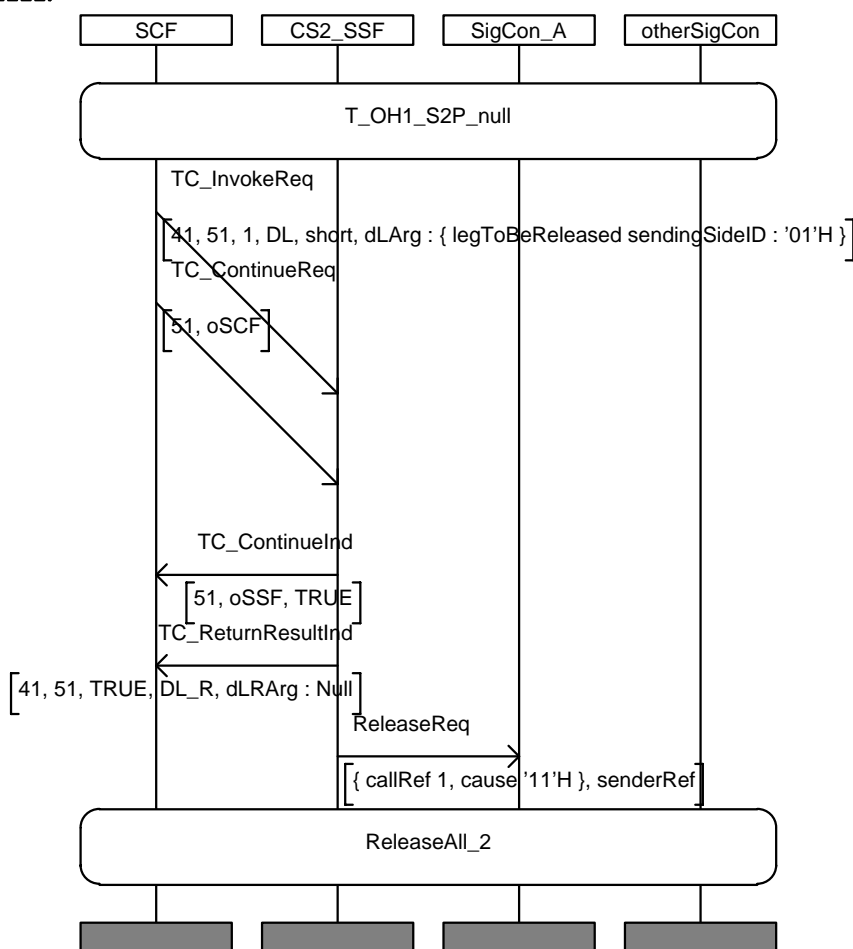
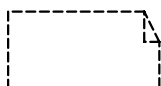
IN2_A_CPH_041	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	T_OH(1)_S2P_null
Test description	CP1-3! SetupConf, C party answer L1! MergeCallSegment(1,2) L1! ContinueWithArgument(CsId=2 Reaching state T_null_S3P_null
Pass criteria	SSF sends MergeCallSegmentReturnResult
Postamble:	ReleaseAll_3

MSC IN2_A_CPH_041



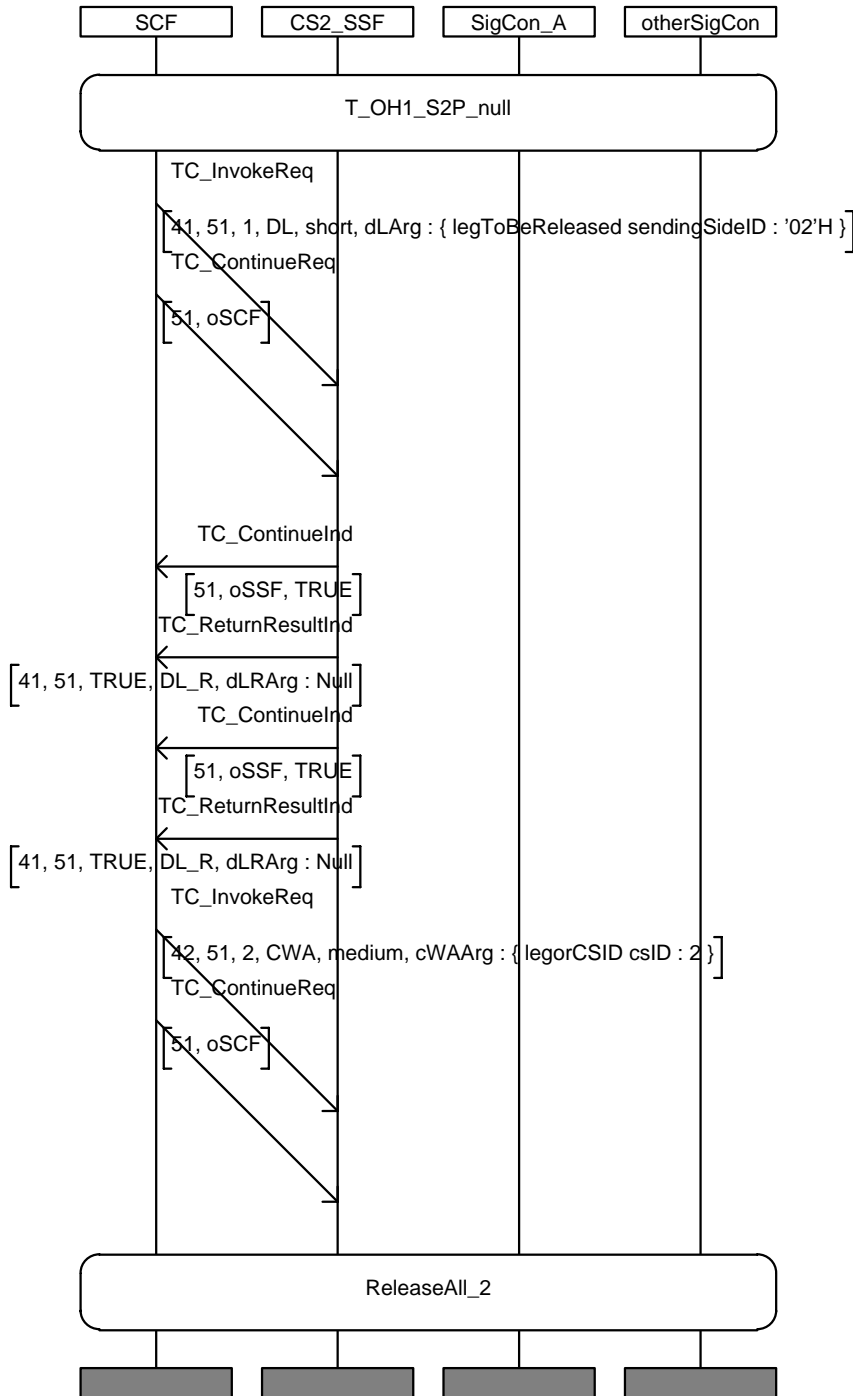
IN2_A_CPH_042	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	T_OH(1)_S2P_null
Test description	L1! DisconnectLeg(1) L1? DisconnectLegReturnResult Reaching state T_null_S2P_null
Pass criteria	CP1_1? ReleaseReq
Postamble:	ReleaseAll_2

MSC IN2_A_CPH_042



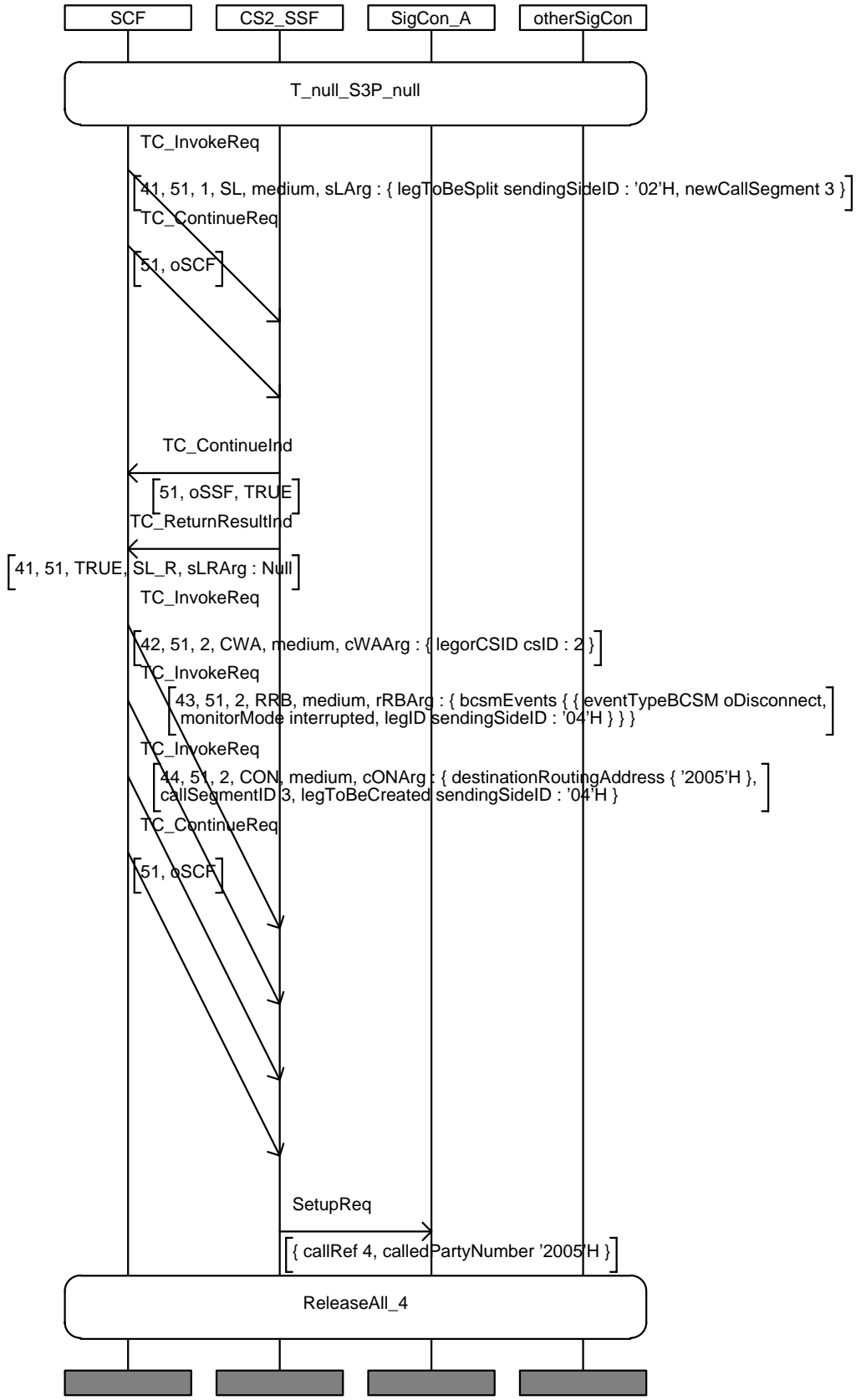
IN2_A_CPH_043	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	T_OH(1)_S2P_null
Test description	L1! DisconnectLeg(2) L1? DisconnectLegReturnResult L1! ContinueWithArgument(CsId=2) Reaching state T_OH(1)_OH(1)_null
Pass criteria	CP1_2? ReleaseReq
Postamble:	ReleaseAll_2

MSC IN2_A_CPH_043



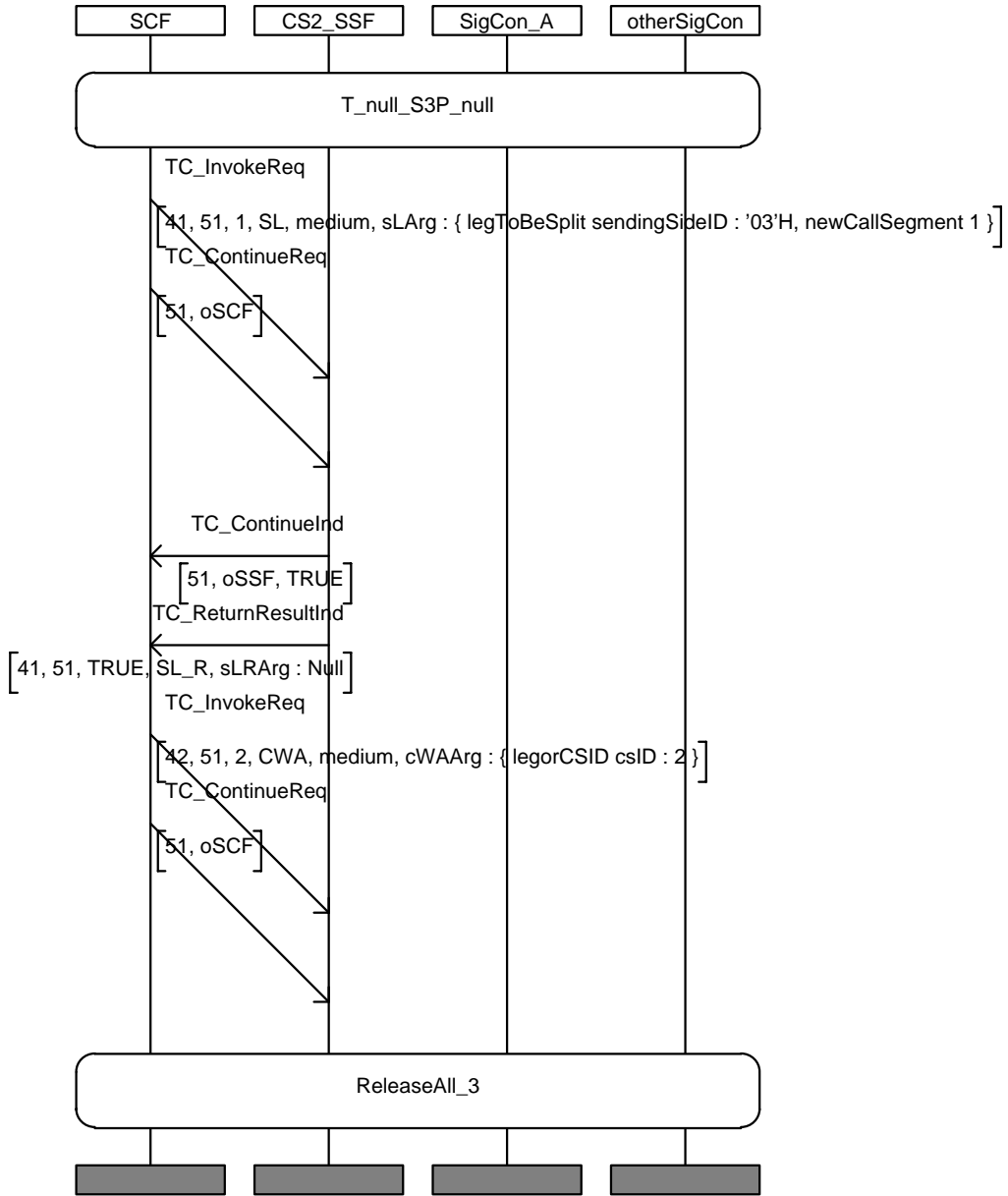
IN2_A_CPH_044	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	T_null_S3P_null
Test description	L1! SplitLeg(2,3) L1? SplitLegReturnResult L1! ContinueWithArgument(CsId=2) L1! RequestReportBCSMEEvent(4,oDisconnect) L1! Connect(4,3) Reaching state T_null_OH(2)_S2P
Pass criteria	Pass criteria CP1-4? SetUpReq
Postamble:	ReleaseAll_4

MSC IN2_A_CPH_044



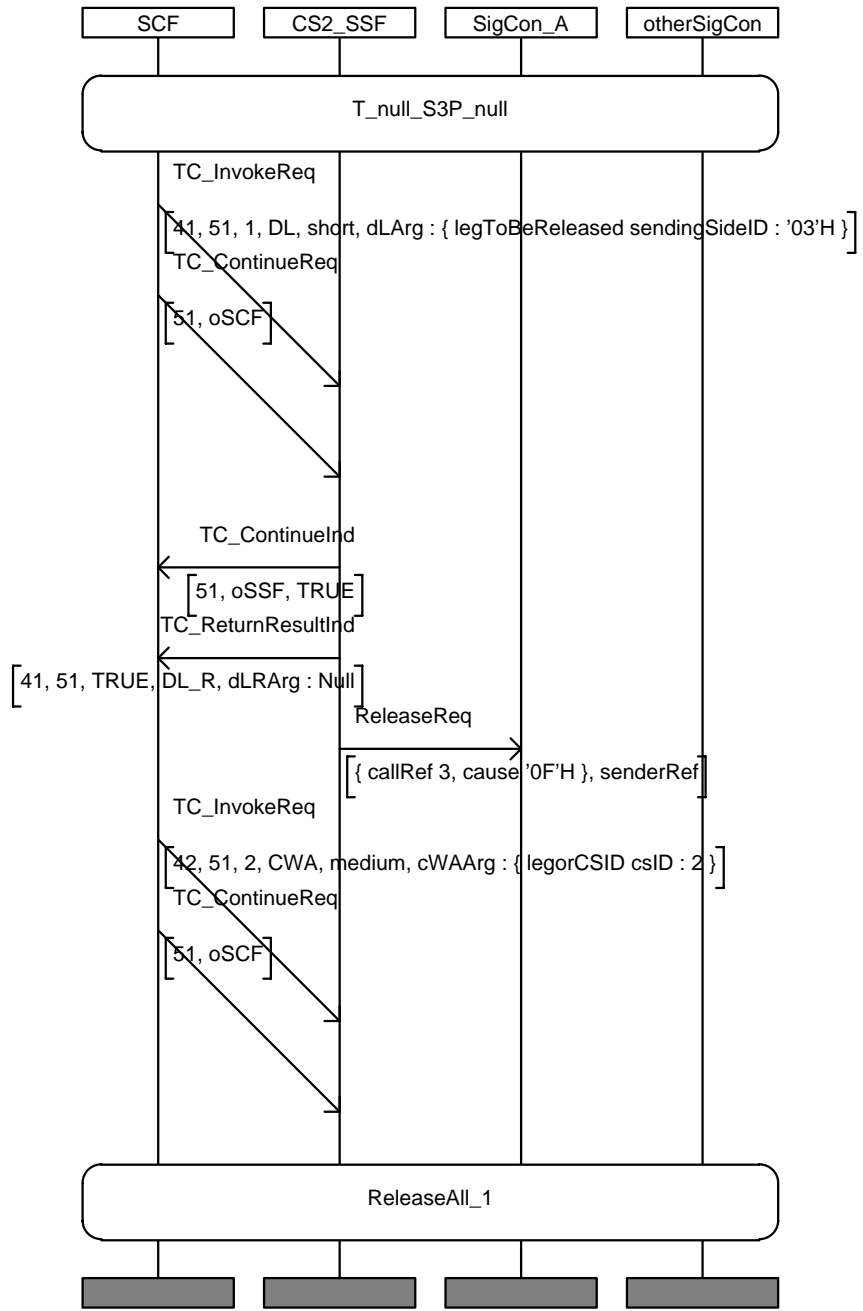
IN2_A_CPH_045	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	T_null_S3P_null
Test description	L1! SplitLeg(3,1) L1! ContinueWithArgument(CsId=2) Reaching state T_OH(1)_S2P_null
Pass criteria	SSF sends SplitLegReturnResult
Postamble:	ReleaseAll_3

MSC IN2_A_CPH_045



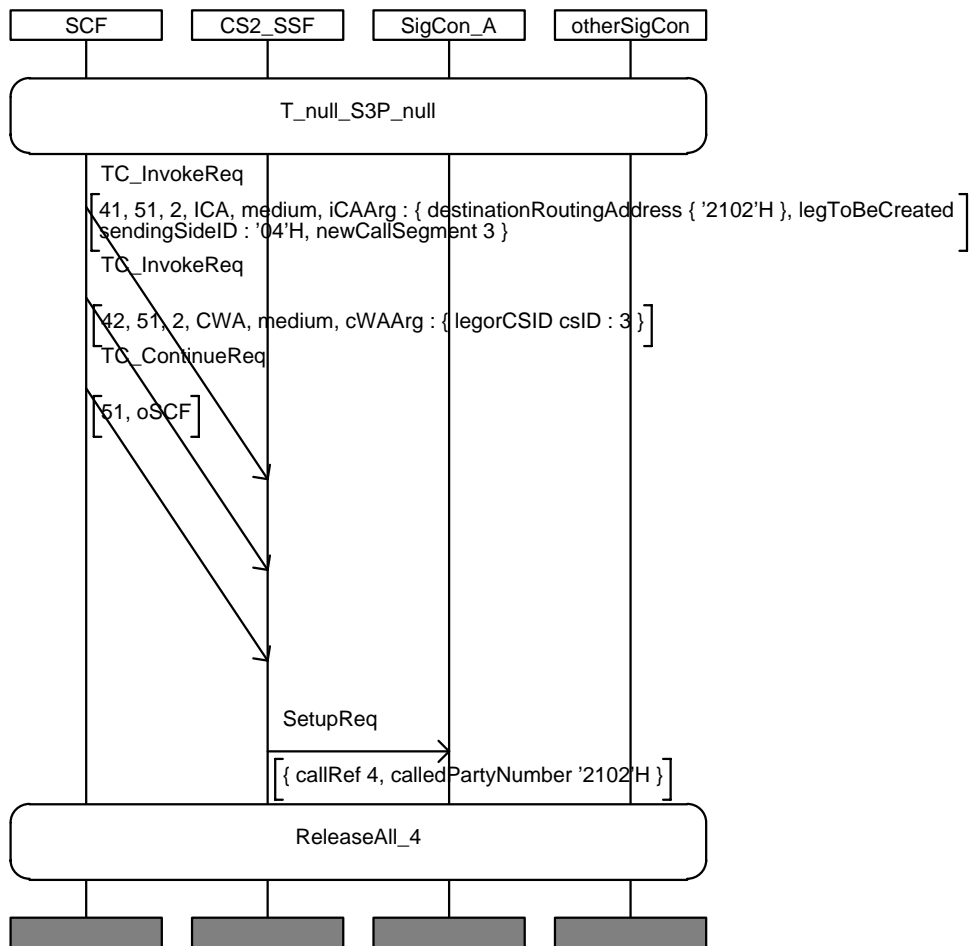
IN2_A_CPH_046	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	T_null_S3P_null
Test description	L1! DisconnectLeg(3) L1! ContinueWithArgument(CsId=2) L1?DisconnectLegReturnResult Reaching state T_null_S2P_null
Pass criteria	CP1_3? ReleaseReq
Postamble:	ReleaseAll_1

MSC IN2_A_CPH_046



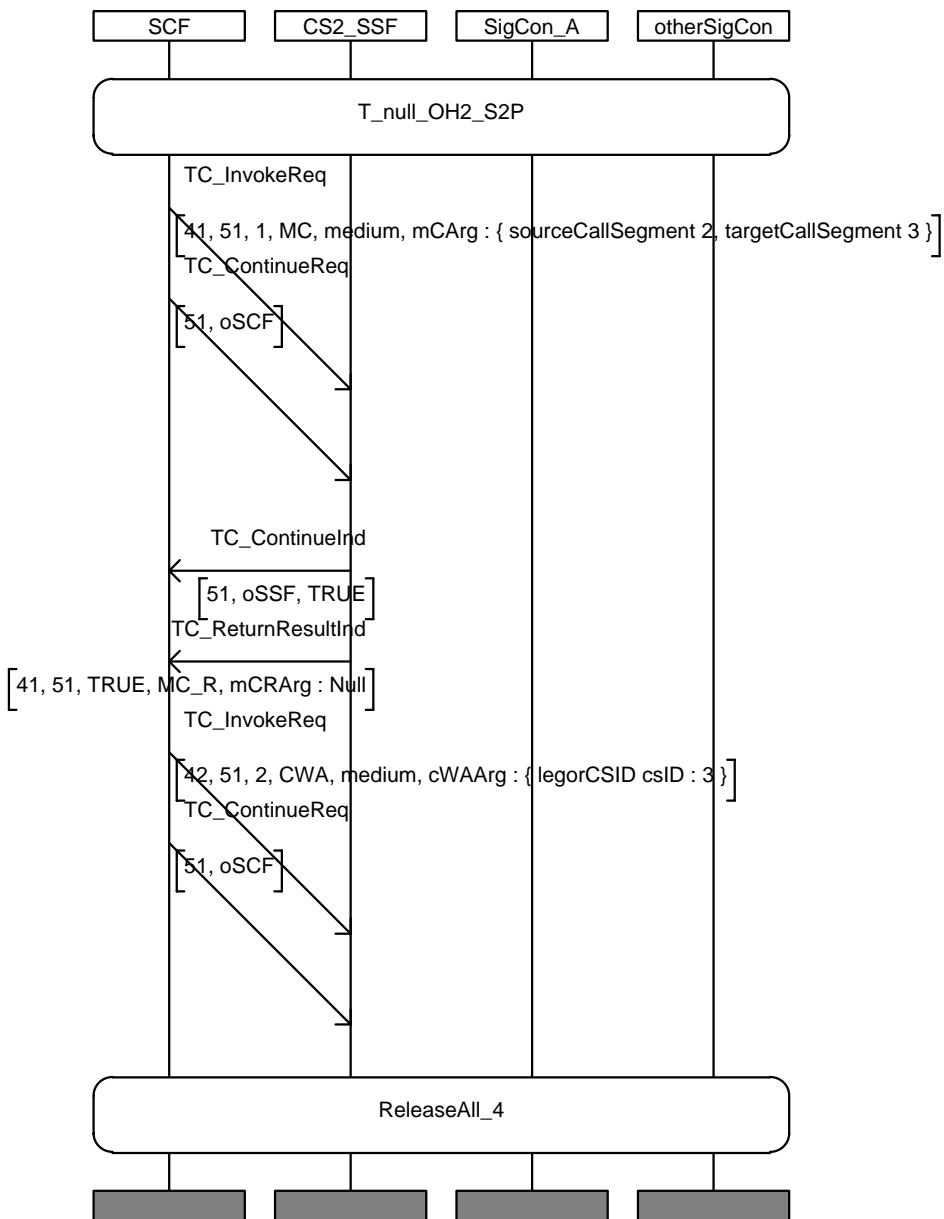
IN2_A_CPH_047	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	T_null_S3P_null
Test description	L1! InitiateCallAttempt(4,3) L1! ContinueWithArgument(CsId=3) Reaching state T_null_S3P_S1P
Pass criteria	CP1_4? SetupReq
Postamble:	ReleaseAll_4

MSC IN2_A_CPH_047



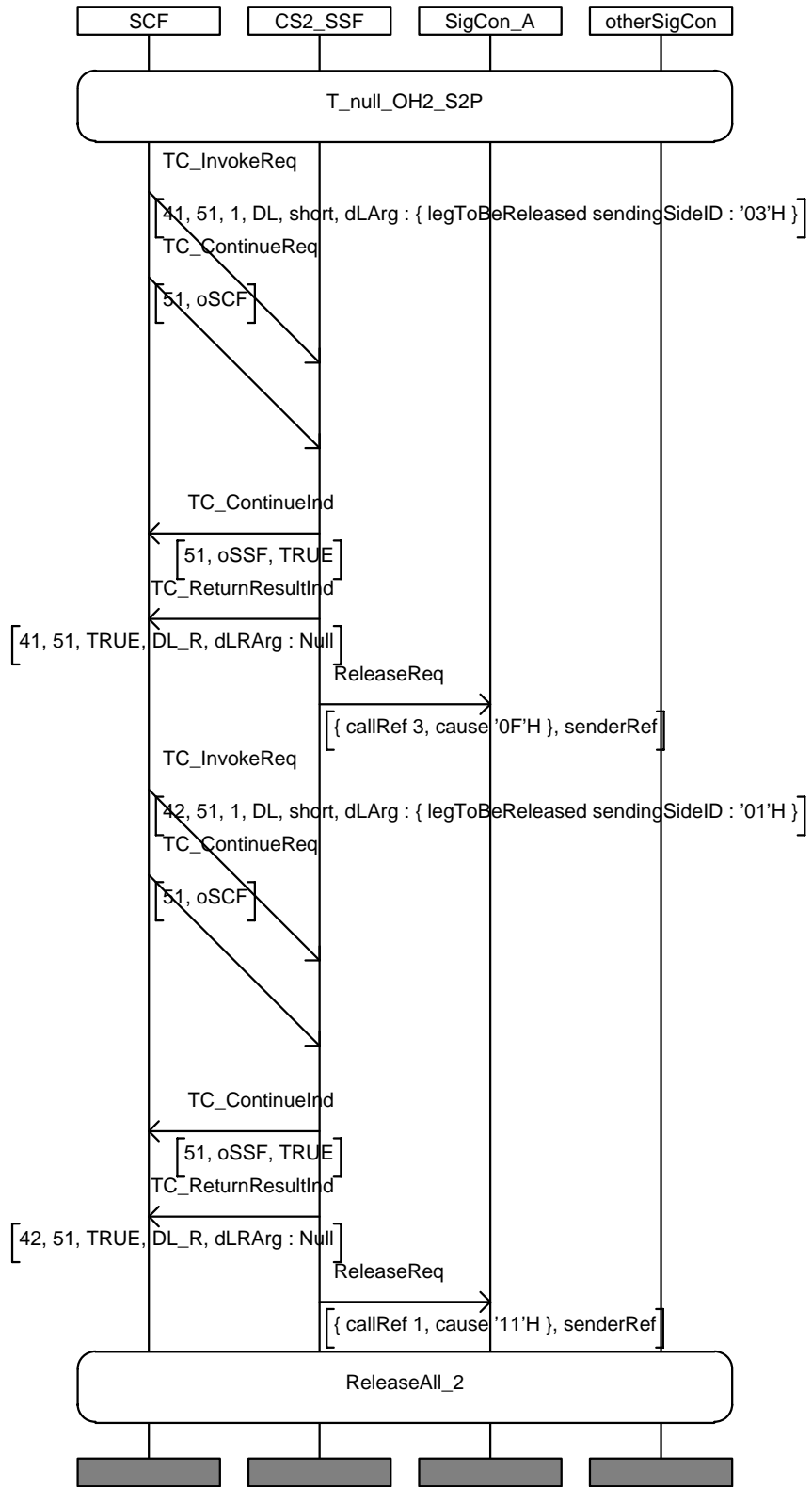
IN2_A_CPH_048	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	T_null_OH(2)_S2P
Test description	L1! MergeCallSegments(2,3) L1! ContinueWithArgument(CsId=3) Reaching state T_null_null_S4P
Pass criteria	SSF send MergeCallSegmentsReturnResult
Postamble:	ReleaseAll_4

MSC IN2_A_CPH_048



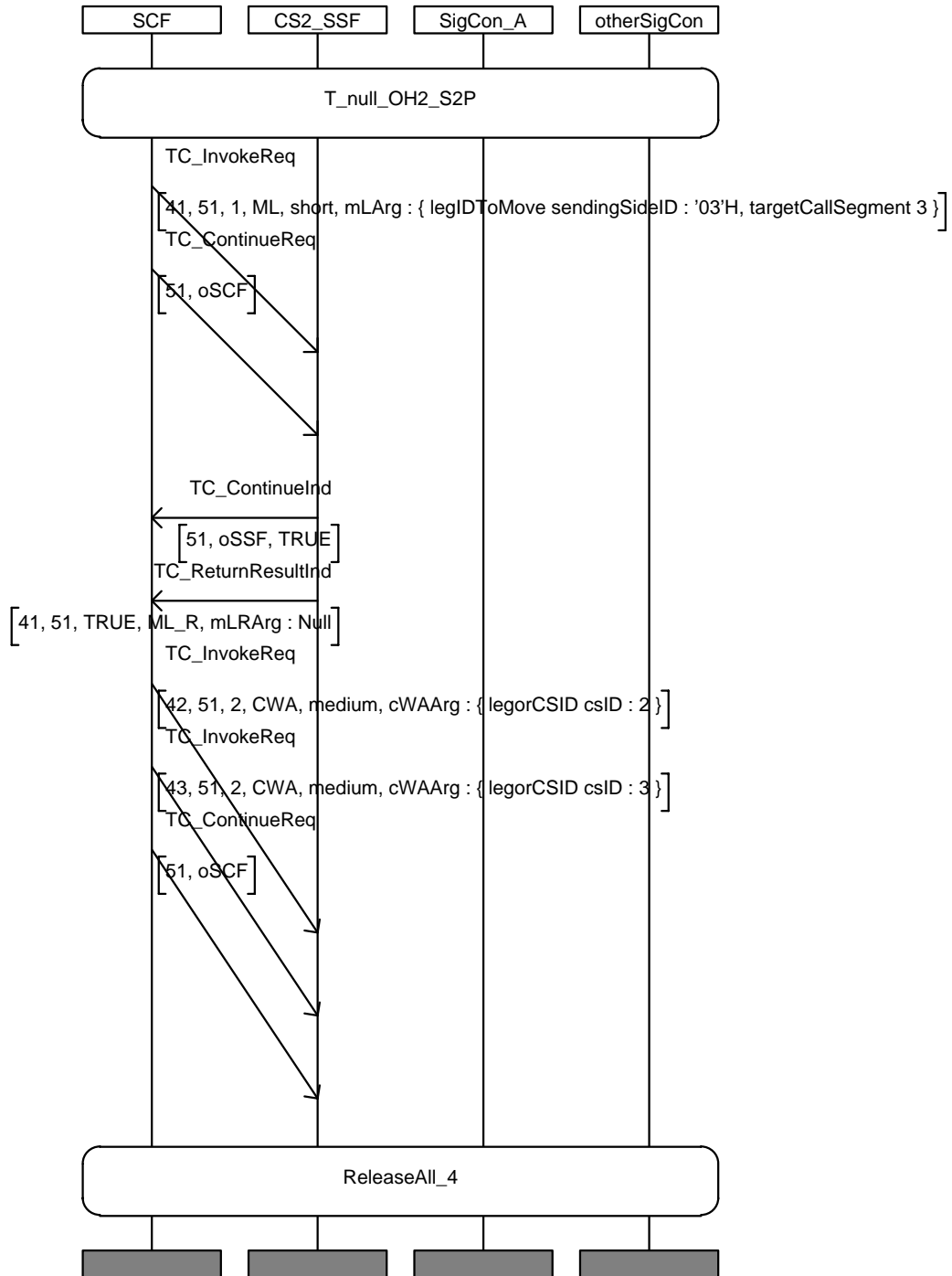
IN2_A_CPH_049	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	T_null_OH(2)_S2P
Test description	L1! DisconnectLeg(3) L1! DisconnectLeg(1) L1? DisconnectLegReturnResult L1? DisconnectLegReturnResult Reaching state T_null_null_S2P
Pass criteria	CP1_3? ReleaseReq CP1_1? ReleaseReq
Postamble:	ReleaseAll_2

MSC IN2_A_CPH_049



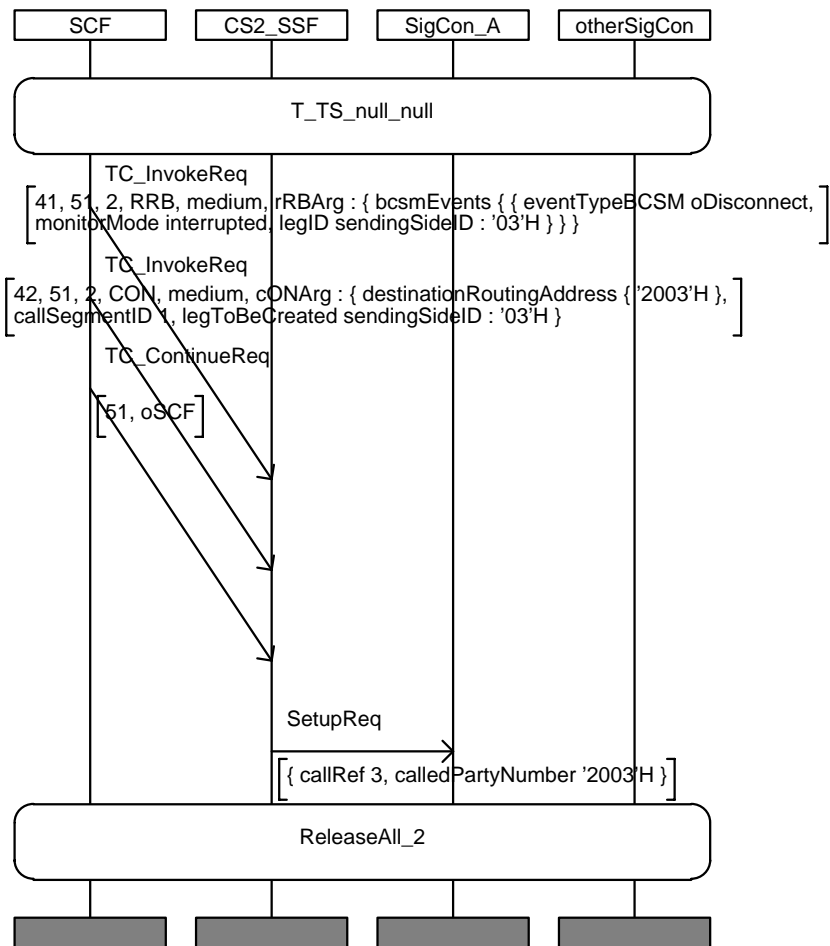
IN2_A_CPH_050	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	T_null_OH(2)_S2P
Test description	L1! MoveLeg(3,3) L1! ContinueWithArgument(CsId=2) L1! ContinueWithArgument(CsId=3) Reaching state T_null_OH(1)_S3P
Pass criteria	SSF sends MoveLegReturnResult
Postamble:	ReleaseAll_4

MSC IN2_A_CPH_050



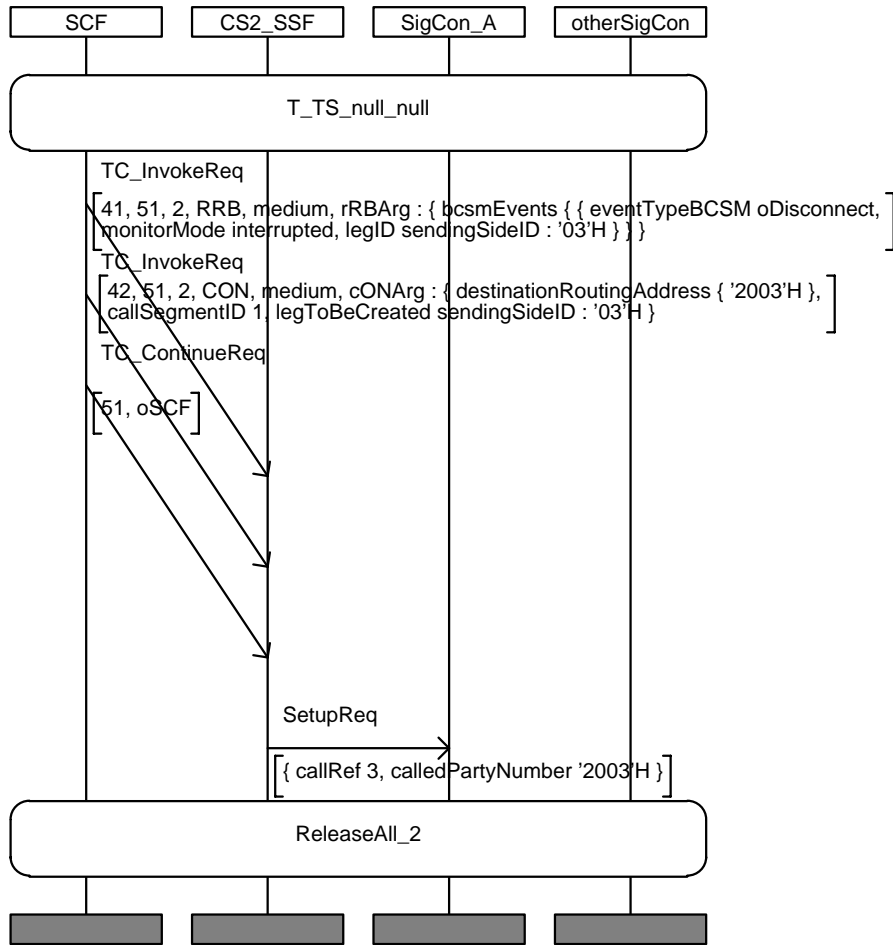
IN2_A_CPH_051	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	T_TS_null_null
Test description	L1! RequestReportBCSMEvent(3,oDisconnect) L1! Connect (3,1) Reaching state T_TF(2)_null_null
Pass criteria	CP1-3? SetupReq
Postamble:	ReleaseAll_2

MSC IN2_A_CPH_051



IN2_A_CPH_052	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	T_TS_null_null
Test description	L1! RequestReportBCSMEvent(3,oDisconnect) L1! RequestReportBCSMEvent(4,oDisconnect) L1! Connect(3,1) L1! Connect(4,1) Reaching state T_TF(3)_null_null
Pass criteria	CP1_3? SetUpReq CP1_4? SetUpReq
Postamble:	ReleaseAll_2

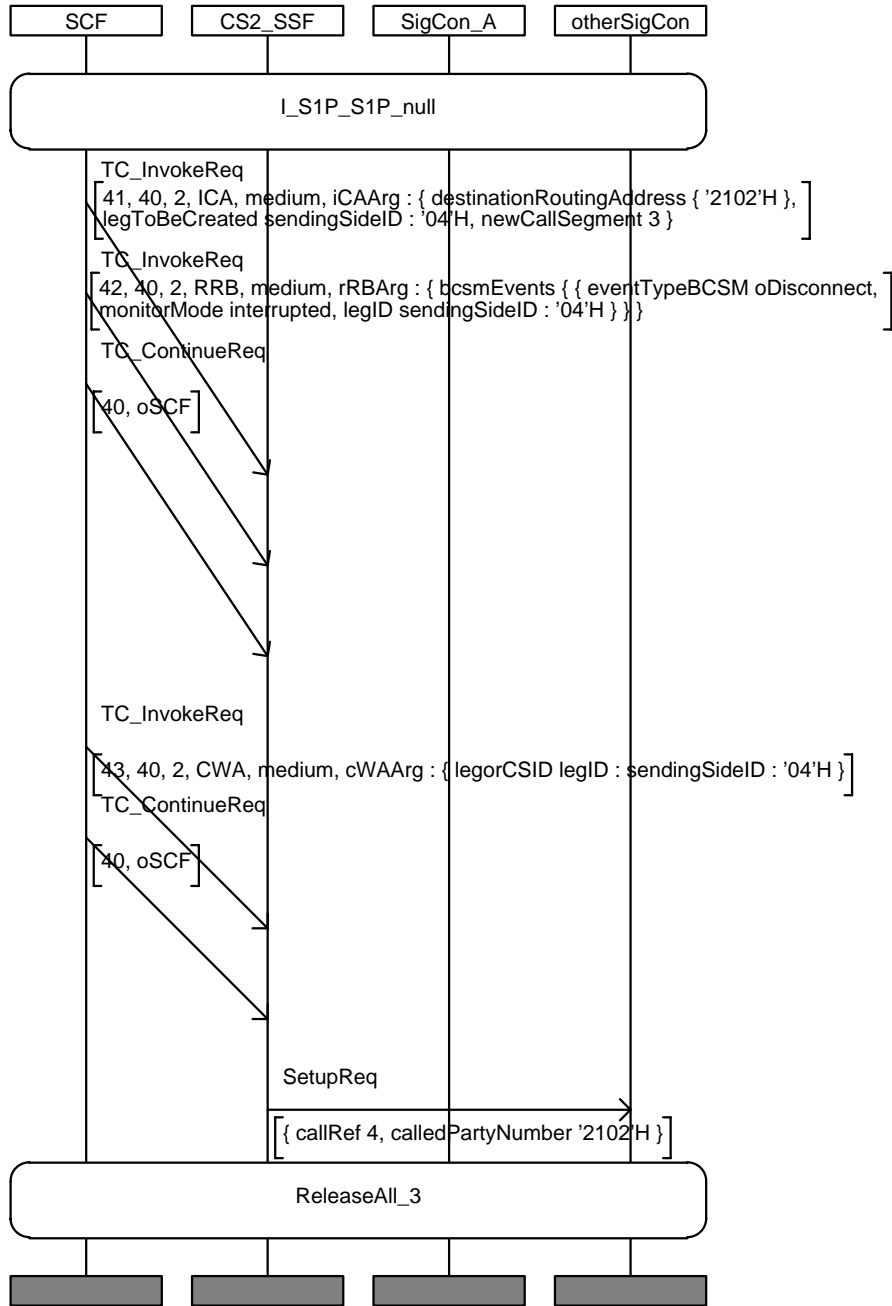
MSC IN2_A_CPH_052



7.5.3 Network initiated

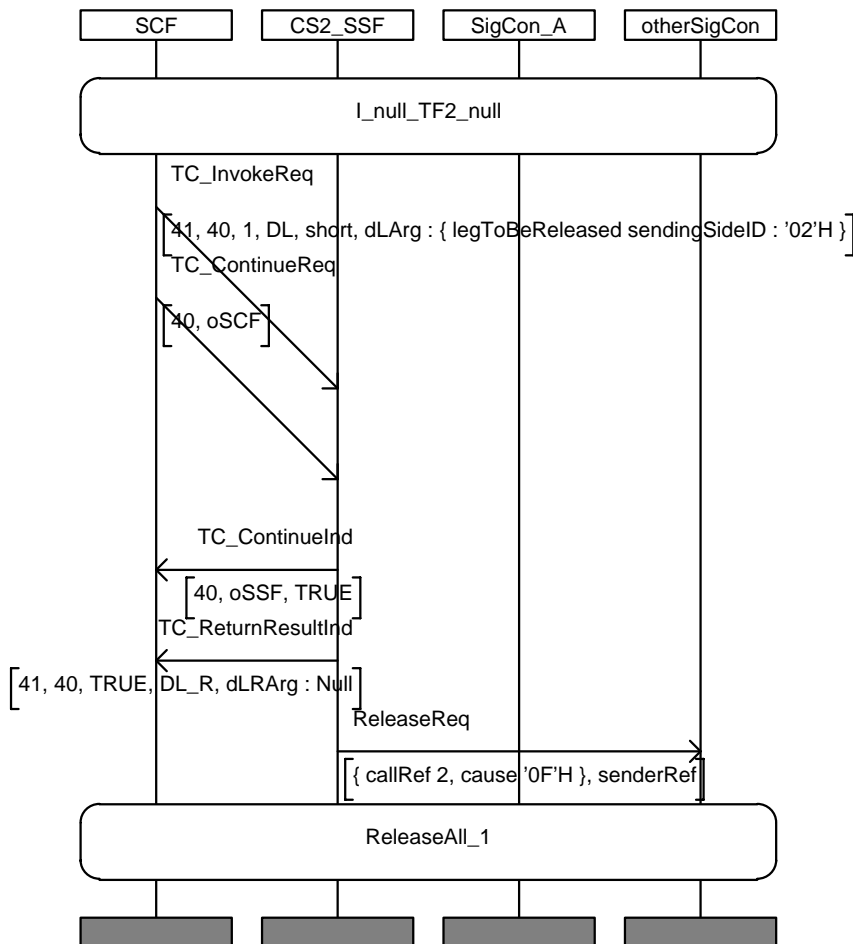
IN2_A_CPH_053	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	I_S1P_S1P_null
Test description	L1! InitiateCallAttempt(4,3) L1! RequestReportBCSMEEvent(4,oDisconnect) L1! ContinueWithArgument(LegId=4) Reaching state I_S1P_S1P_S1P
Pass criteria	CP1_4? SetUpInd
Postamble:	ReleaseAll_3

MSC IN2_A_CPH_053



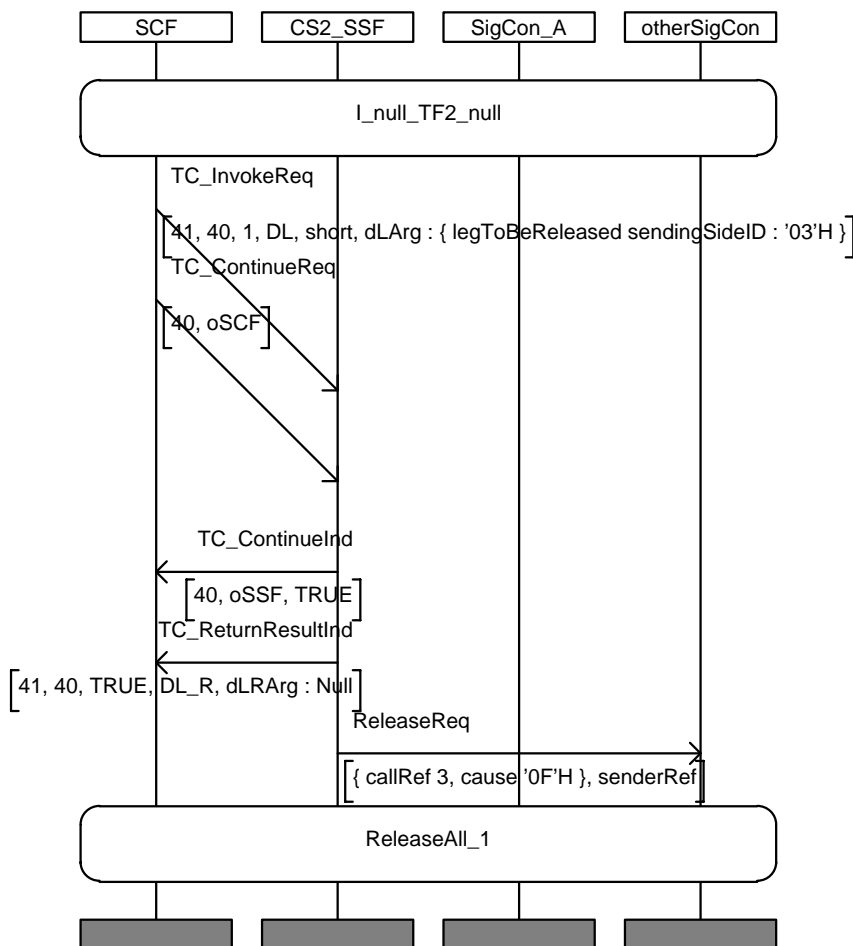
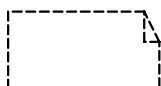
IN2_A_CPH_054	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	I_null_TF2_null
Test description	L1! DisconnectLeg(2) L1? DisconnectLegReturnResult Reaching state I_null_S1P_null
Pass criteria	CP1_2? ReleaseReq
Postamble:	ReleaseAll_1

MSC IN2_A_CPH_054



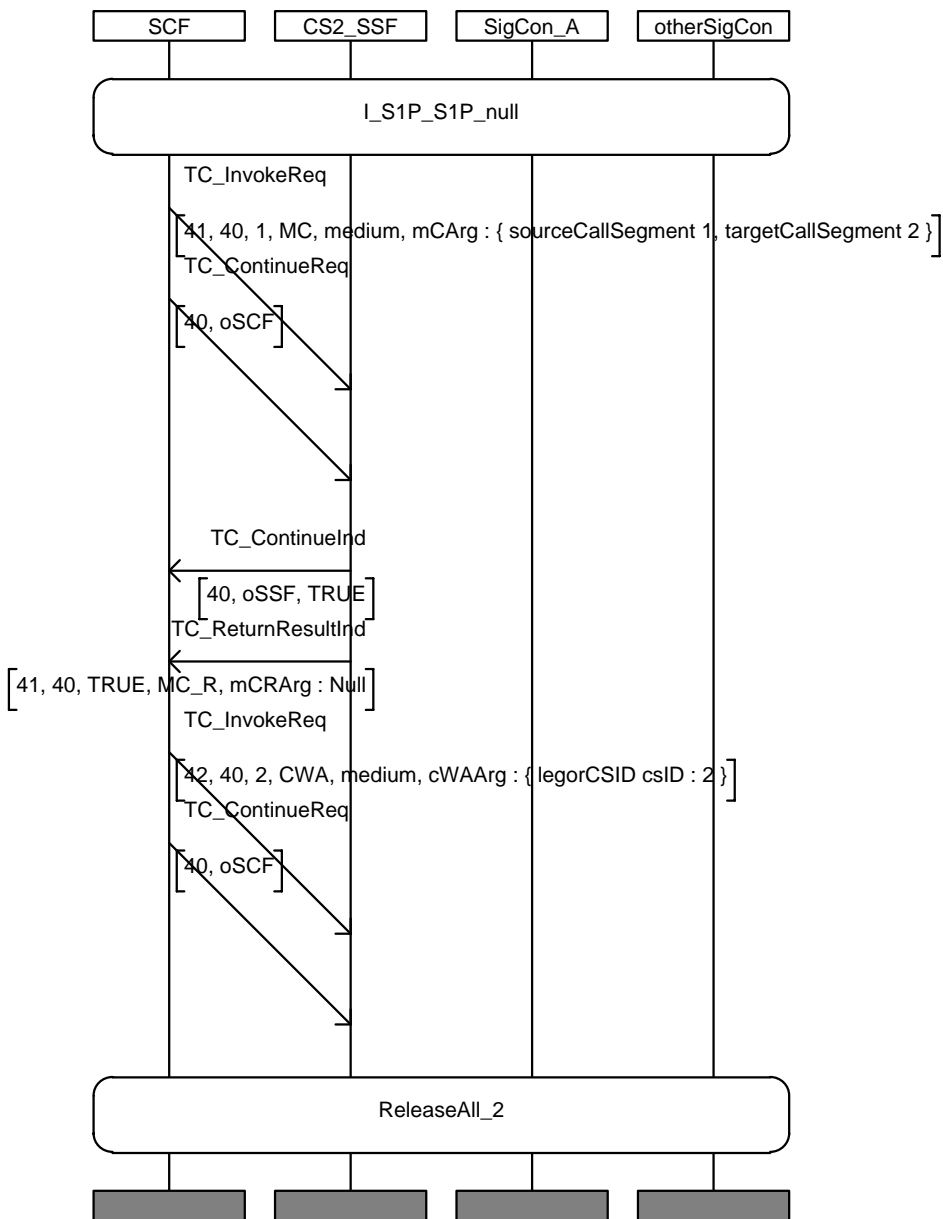
IN2_A_CPH_055	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	I_null_TF2_null
Test description	L1! DisconnectLeg(3) L1? DisconnectLegReturnResult Reaching state I_null_S1P_null
Pass criteria	CP1_3? ReleaseReq
Postamble:	ReleaseAll_1

MSC IN2_A_CPH_055



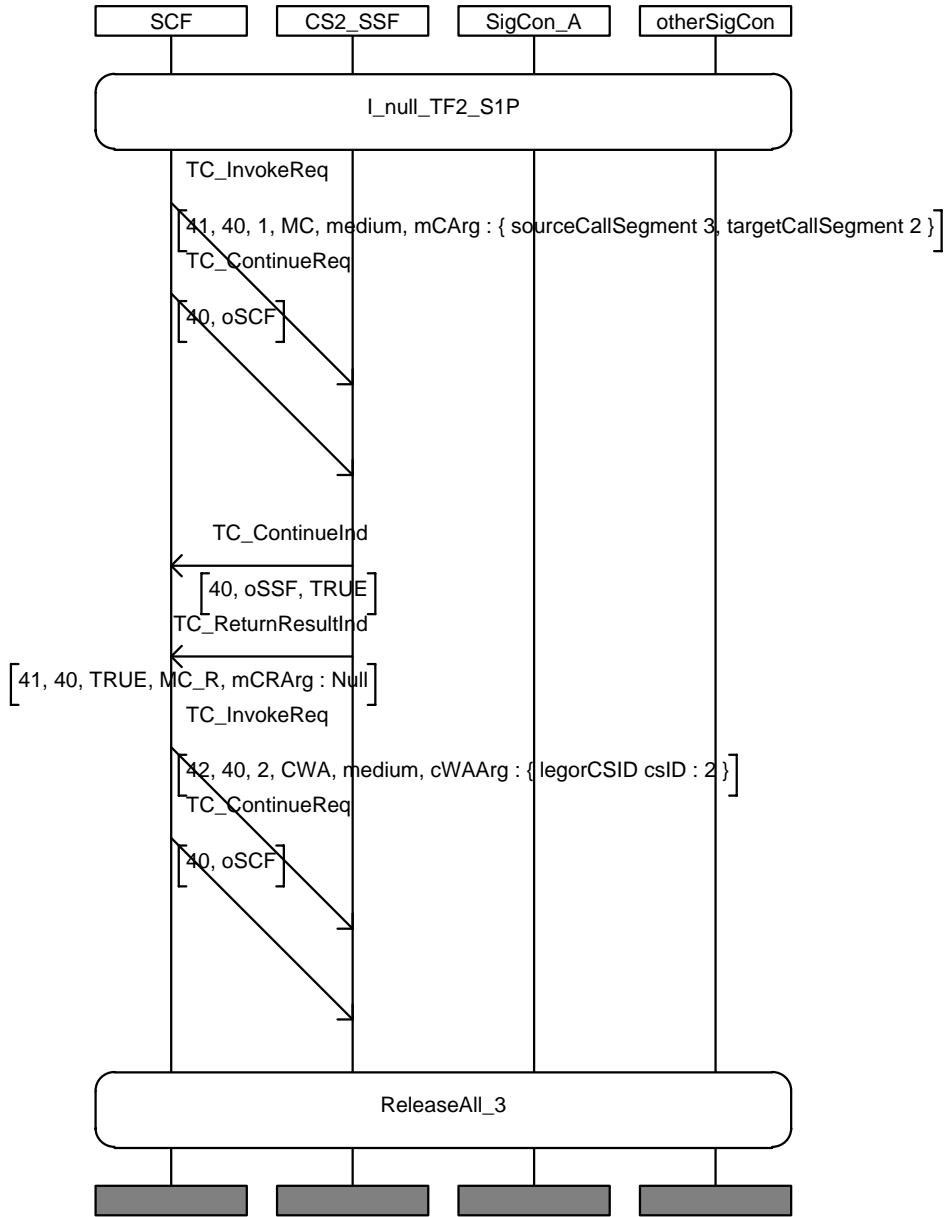
IN2_A_CPH_056	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	I_S1P_S1P_null
Test description	L1! MergeCallSegments(1,2) L1! ContinueWithArgument(CsId=2) Reaching state I_null_TF(2)_null
Pass criteria	SSF sends MergeCallSegmentReturnResult
Postamble:	ReleaseAll_2

MSC IN2_A_CPH_056



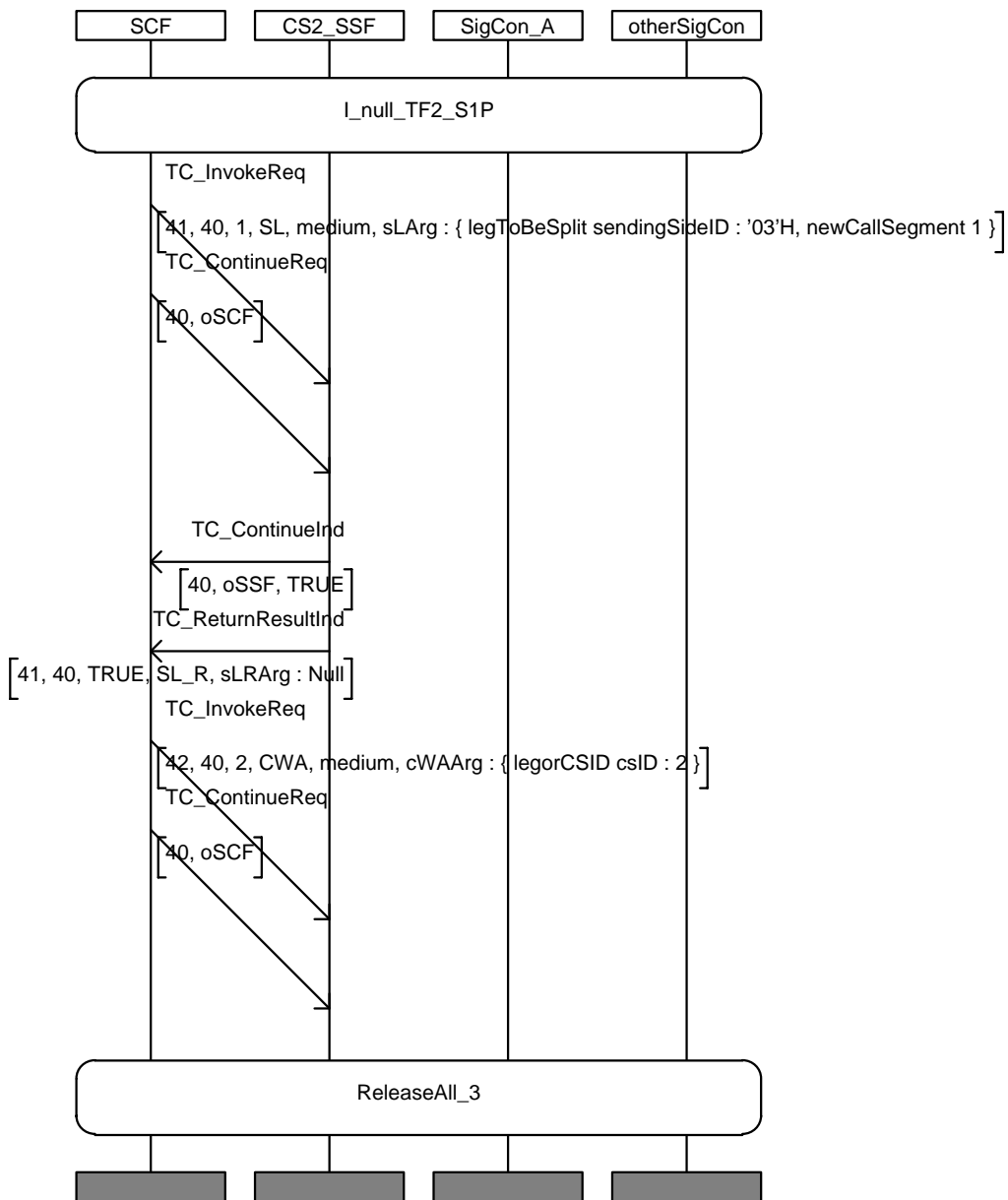
IN2_A_CPH_057	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	I_null_TF(2)_S1P
Test description	L1! MergeCallSegments(3,2) L1! ContinueWithArgument(CsId=2) Reaching state I_null_TF(3)_null
Pass criteria	SSF sends MergeCallSegmentReturnResult
Postamble:	ReleaseAll_3

MSC IN2_A_CPH_057



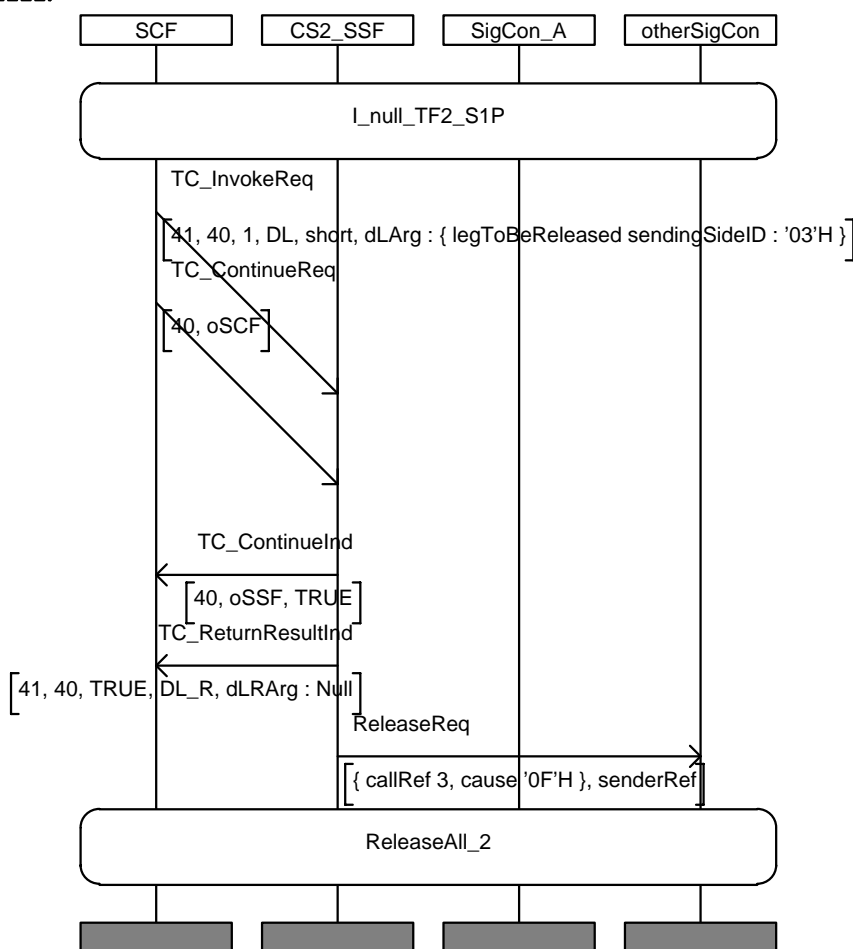
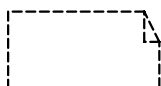
IN2_A_CPH_058	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	I_null_TF(2)_S1P
Test description	L1! SplitLeg(3,1) L1! ContinueWithArgument(CsId=2) Reaching state I_S1P_S1P_S1P
Pass criteria	SSF sends SplitLegReturnResult
Postamble:	ReleaseAll_3

MSC IN2_A_CPH_058

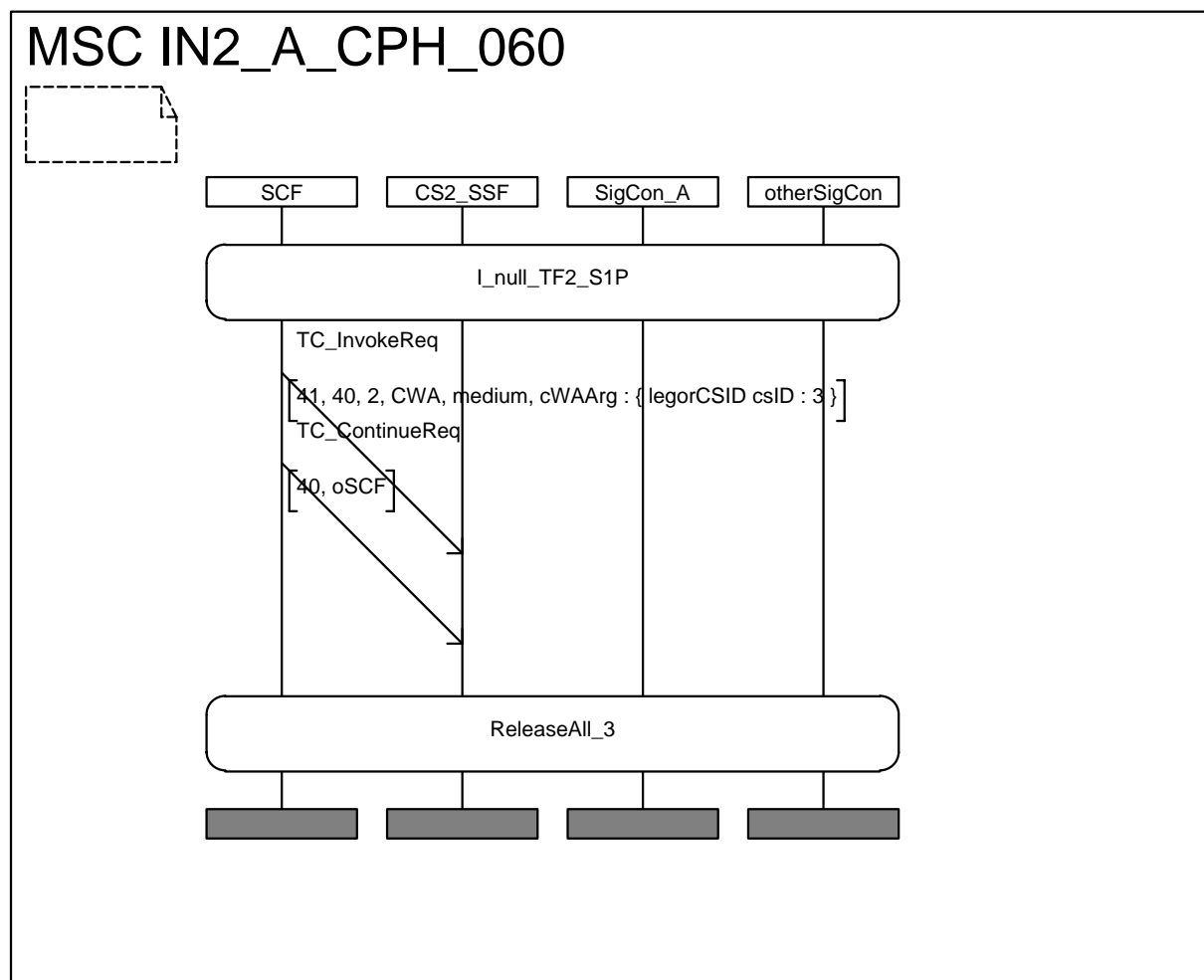


IN2_A_CPH_059	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	I_null_TF(2)_S1P
Test description	L1! DisconnectLeg(3) L1? DisconnectLegReturnResult Reaching state I_null_S1P_S1P
Pass criteria	Pass criteria: CP1_3? ReleaseReq
Postamble:	ReleaseAll_2

MSC IN2_A_CPH_059



IN2_A_CPH_060	
Purpose:	Test CPH capabilities
Requirement ref	
Selection Cond.	
Preamble:	I_null_TF(2)_S1P
Test description	L1! ContinuewithArgument(CsId=3)
Pass criteria	The operation is accepted
Postamble:	ReleaseAll_3



7.6 Test Purpose (TP) descriptions for testing arming/detecting rules

This section includes a set the TPs to check that the IUT acts according the arming/detecting rules.

TPs are listed first for the Originating (O) trigger , then for the Terminating (T) trigger situations.

In these scenarios, the passive legs detection points are armed for signalling events coming from the controlling leg, this means that filtering rules should apply.

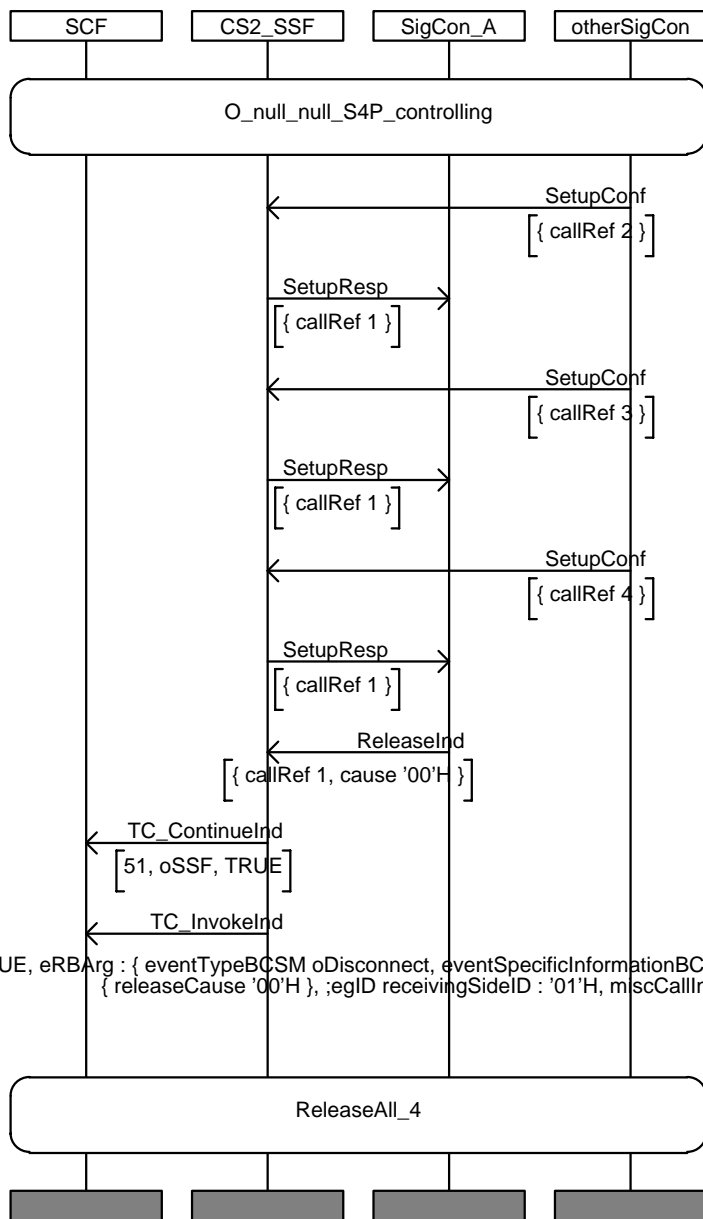
Then, the passive legs detection points are armed for signalling events coming from the passive legs.

7.6.1 Originating (O) trigger

7.6.1.1 O_1 Events coming from the controlling leg (legId=1)

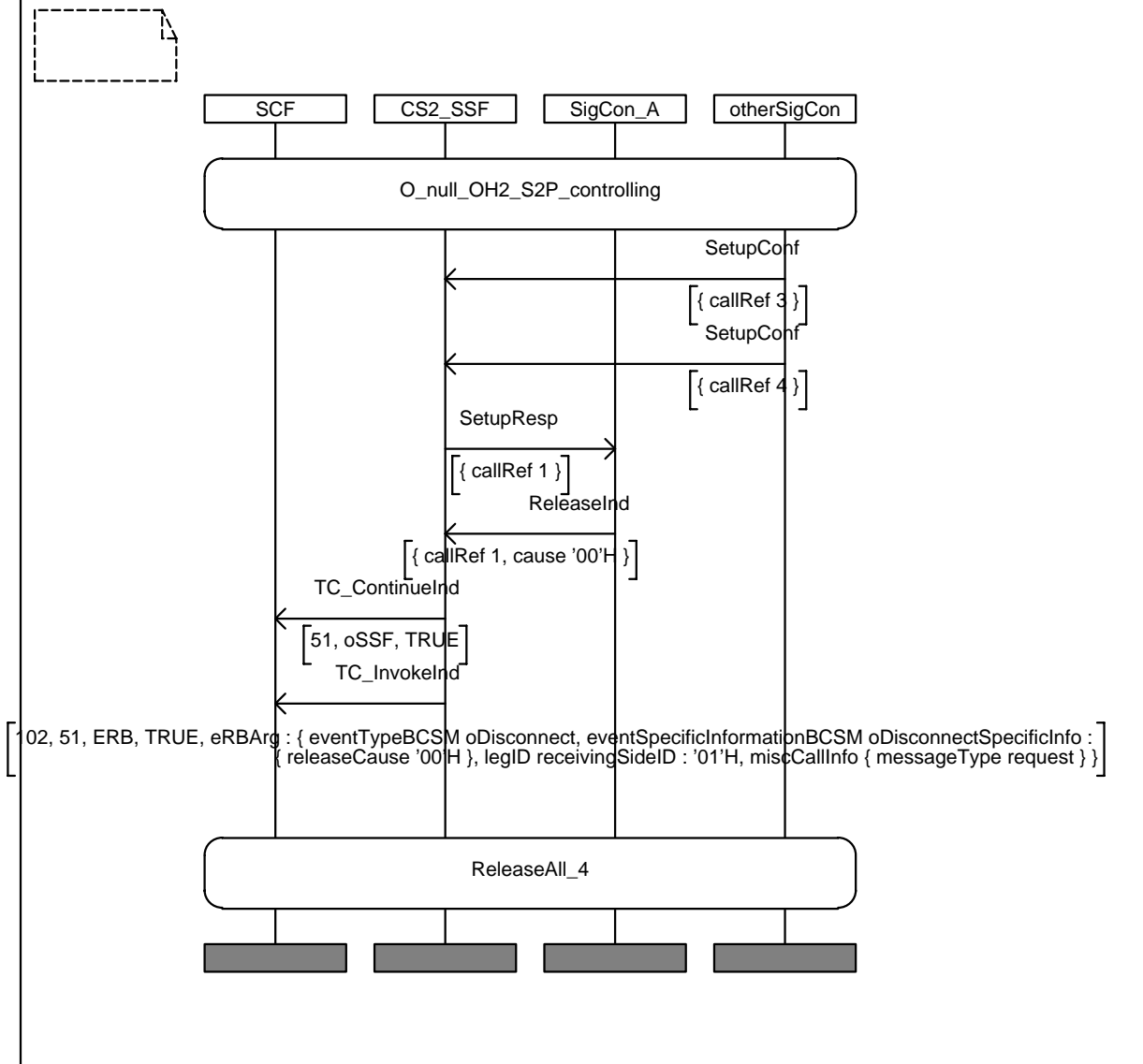
IN2_A_CPH_061	
Purpose:	Check that event filtering rules are applied eventType = oDisconnect
Requirement ref	
Selection Cond.	
Preamble:	O_null_null_S4P_controlling
Test description	CP1_2! SetUpConf CP1_3! SetUpConf CP1_4! SetUpConf CP1_1! ReleaseInd
Pass criteria	L1?: ERB (oDisconnect) is received only once (filtering rules apply)
Postamble:	ReleaseAll_4

MSC IN2_A_CPH_061



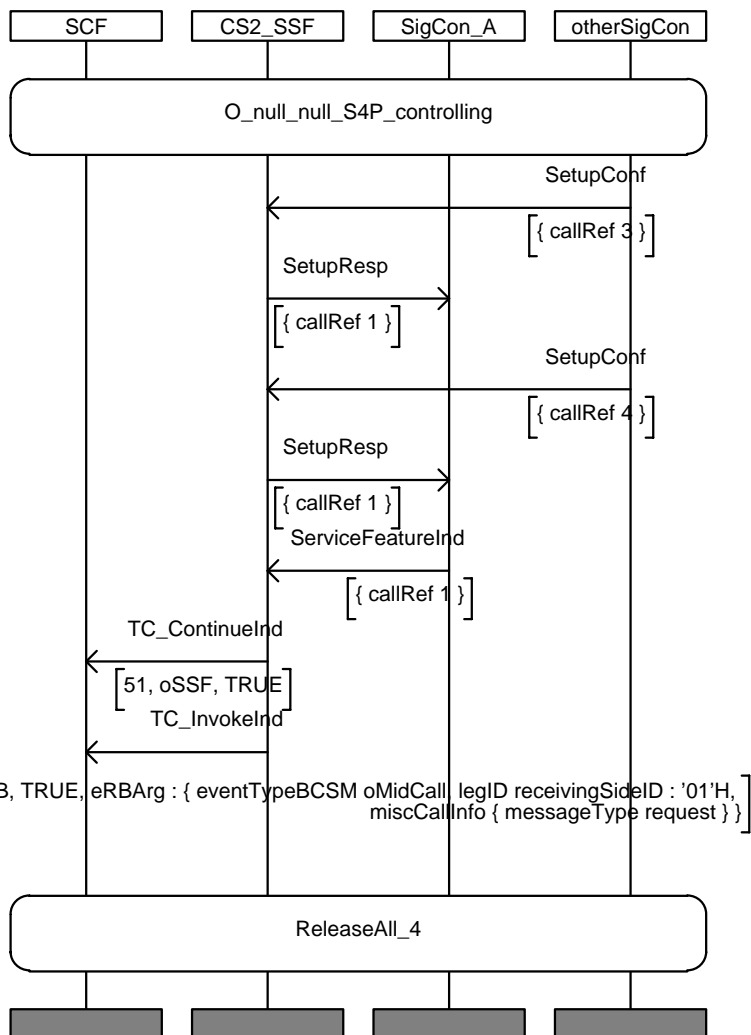
IN2_A_CPH_062	
Purpose:	Check that event filtering rules are applied for multiple callsegments eventType = oDisconnect
Requirement ref	
Selection Cond.	
Preamble:	O_null_OH(2)_S2P_controlling
Test description	CP1_3! SetupConf CP1_4! SetupConf CP1_1! ReleaseInd
Pass criteria	L1?: ERB (oDisconnect) is received only once (filtering rules apply)
Postamble:	ReleaseAll_4

MSC IN2_A_CPH_062



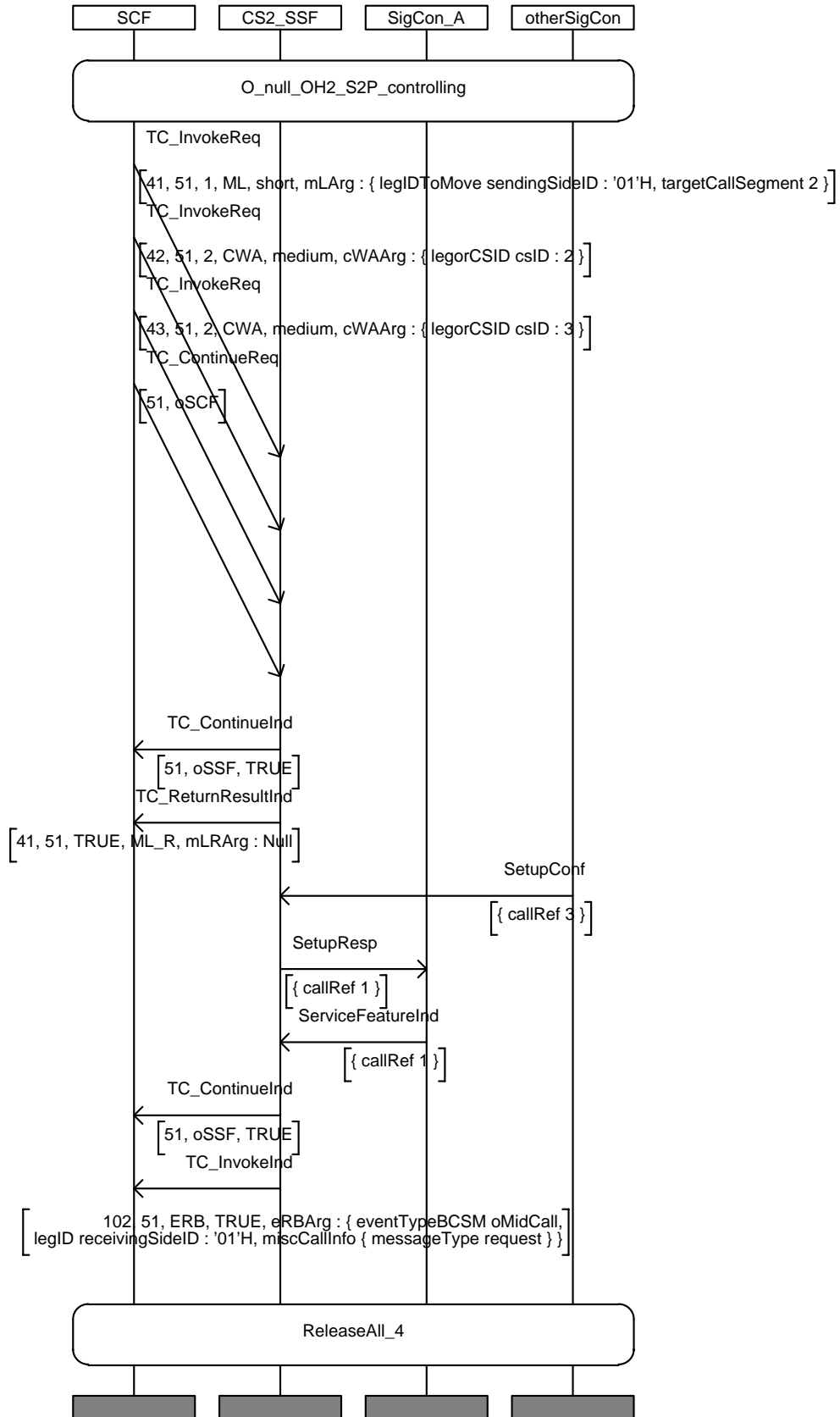
IN2_A_CPH_063	
Purpose:	Check that event filtering rules are applied eventType = oMidcall
Requirement ref	
Selection Cond.	
Preamble:	O_null_null_S4P_controlling
Test description	CP1_3! SetUpConf CP1_4! SetUpConf CP1_1! ServiceFeatureIndication
Pass criteria	L1?: ERB (oMidCall) is received only once (filtering rules apply)
Postamble:	ReleaseAll_4

MSC IN2_A_CPH_063



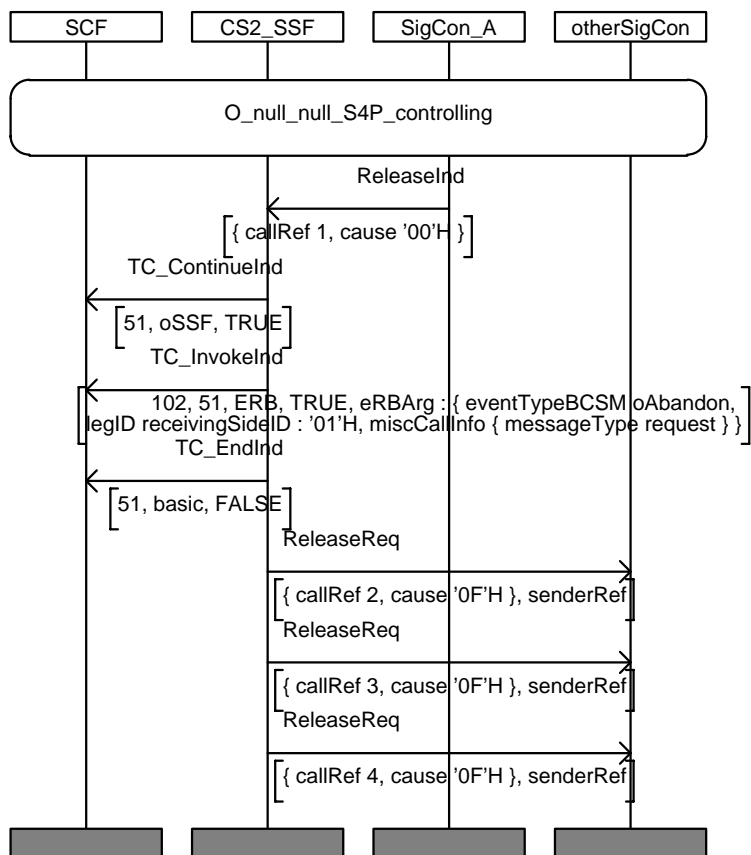
IN2_A_CPH_064	
Purpose:	Check that event filtering rules are applied for multiple callsegments eventType = oMidcall
Requirement ref	
Selection Cond.	
Preamble:	O_null_OH(2)_S2P_controlling
Test description	L1! MoveLeg(1,2) L1? MoveLegReturnResult L1! ContinueWithArgument(CsId=2) L1! ContinueWithArgument(CsId=3) CP1_3! SetupConf CP1_1! MidCallInd
Pass criteria	L1?: ERB (oMidCall) is received only once (filtering rules apply)
Postamble:	ReleaseAll_4

MSC IN2_A_CPH_064



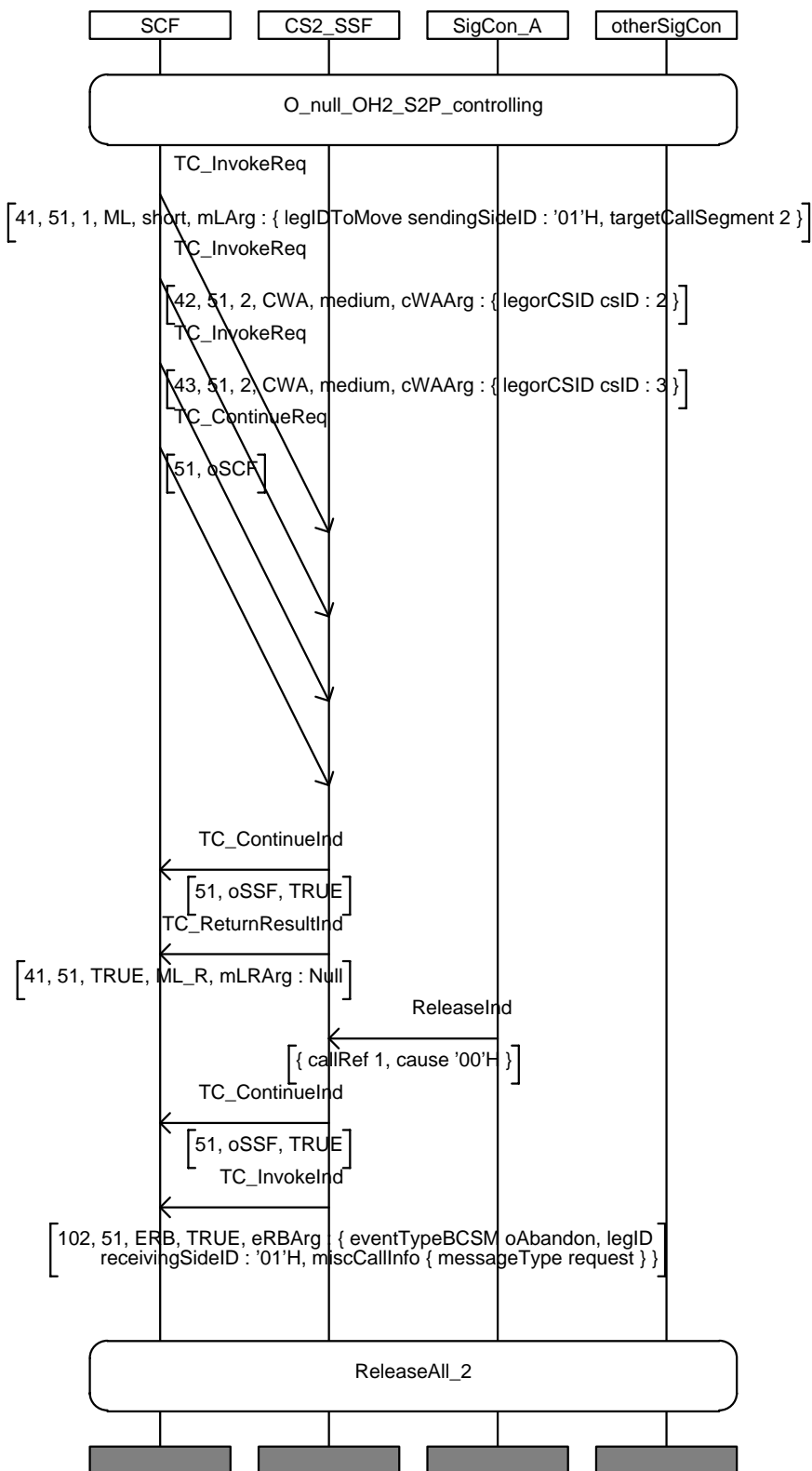
IN2_A_CPH_065	
Purpose:	Check that event filtering rules are applied eventType = oAbandon
Requirement ref	
Selection Cond.	
Preamble:	O_null_null_S4P_controlling
Test description	CP1_! ReleaseInd
Pass criteria	L1?: ERB (oAbandon) is received only once (filtering rules apply)
Postamble:	none

MSC IN2_A_CPH_065



IN2_A_CPH_066	
Purpose:	Check that event filtering rules are applied for multiple callsegments eventType = oAbandon
Requirement ref	
Selection Cond.	
Preamble:	O_null_OH(2)_S2P_controlling
Test	L1! MoveLeg(1,2) L1? MoveLegReturnResult L1! ContinueWithArgumentCsid=2) L1! ContinueWithArgumentCsid=3) CP1_1!:ReleaseInd
Pass criteria	L1?: ERB (oAbandon) is received only once (filtering rules apply)
Postamble:	ReleaseAll_2

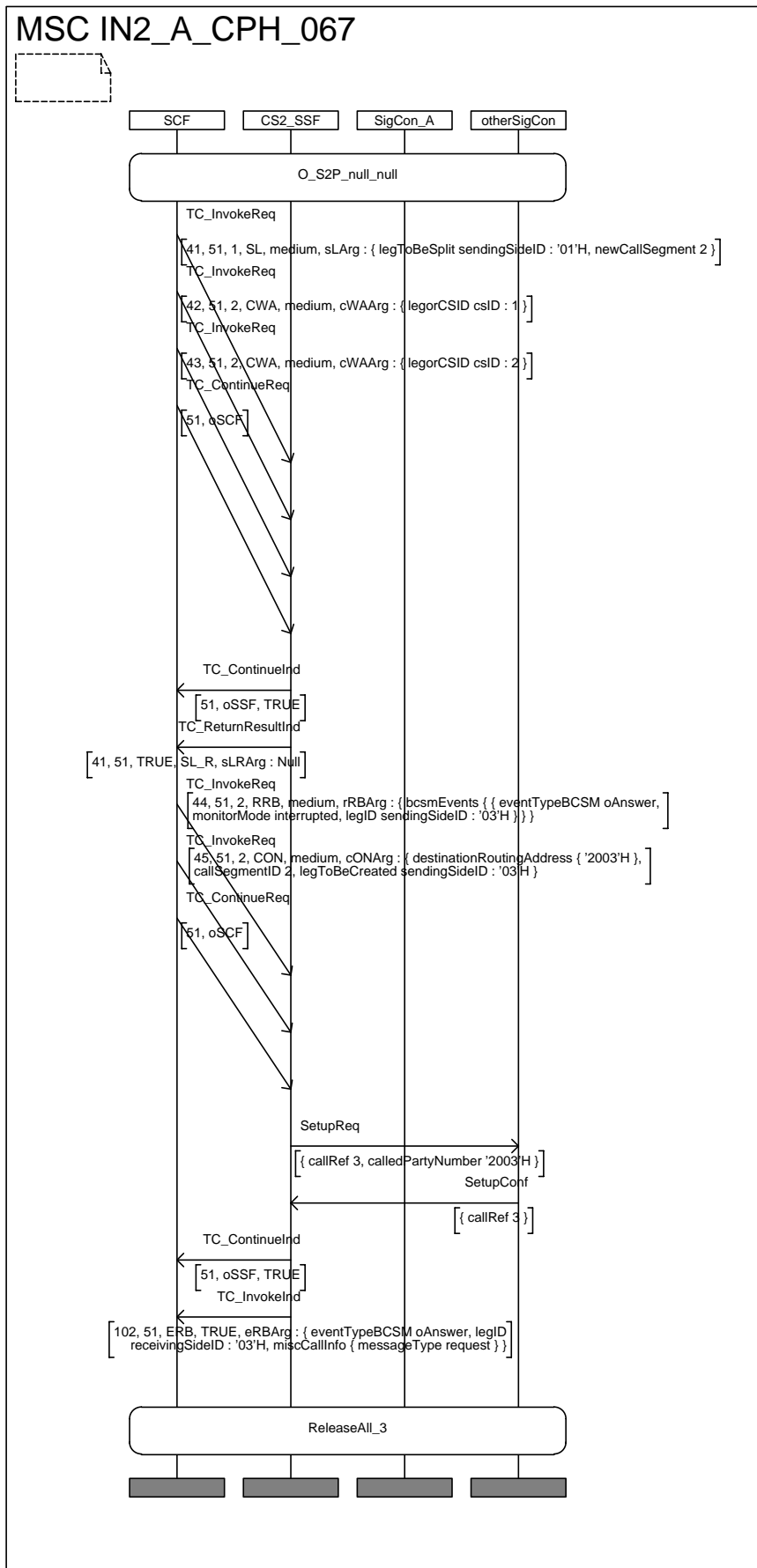
MSC IN2_A_CPH_066



7.6.1.2 O_2 Events coming from passive legs (legId= 2,3...)

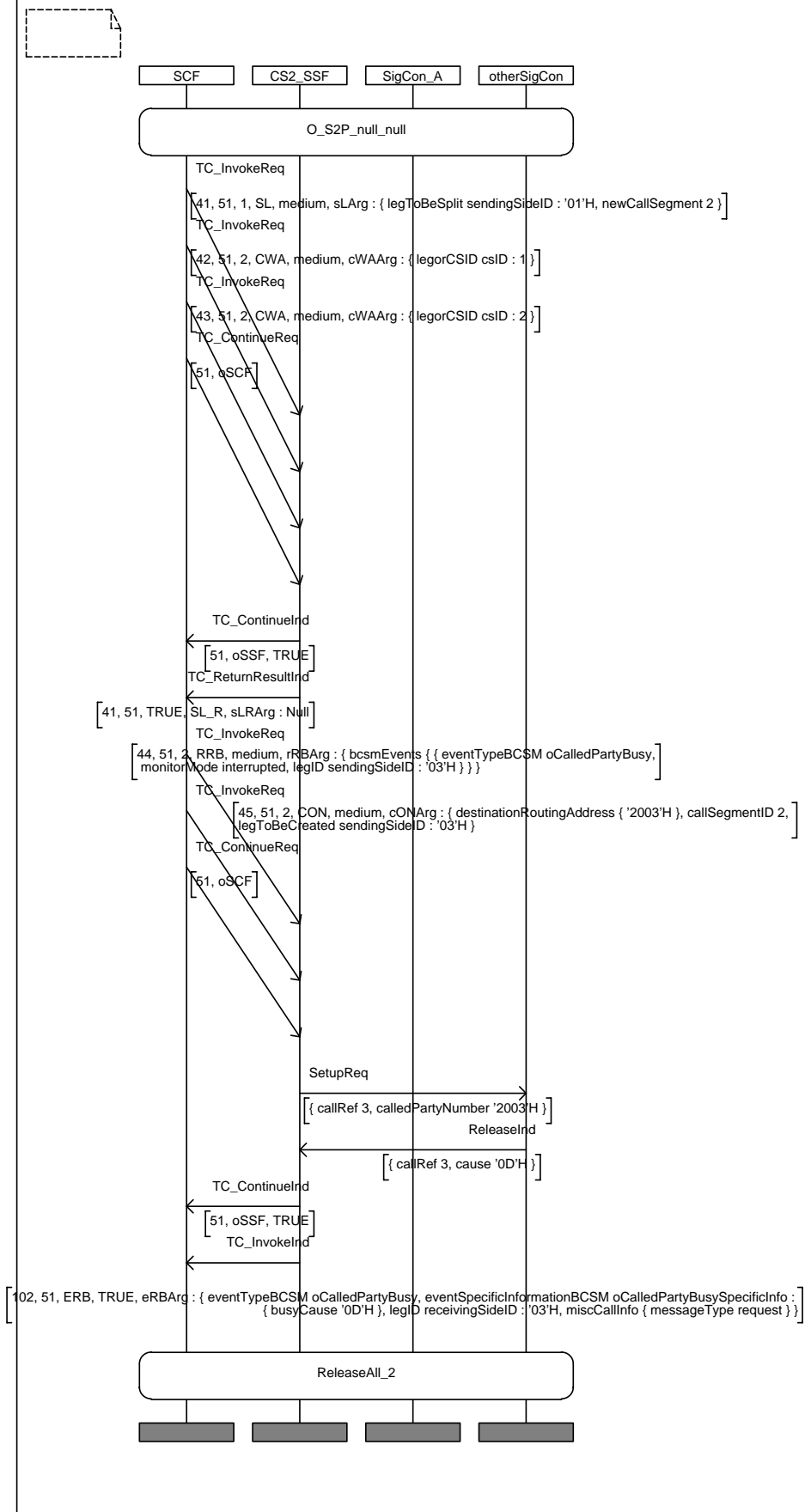
IN2_A_CPH_067	
Purpose:	Check that a single event oAnswer is detected on a passive leg
Requirement ref	
Selection Cond.	
Preamble:	O_S2P_null_null
Test	L1! SplitLeg(1,2) L1? SplitLegReturnResult L1! ContinueWithArgument(CsId=1) L1! RRB(3, interrupted, oAnswer) L1! Connect(3,2) CP1_3? SetUpReq CP1_3! SetupConf
Pass criteria	L1? ERB(3,interrupted,oAnswer)
Postamble:	ReleaseAll_3

MSC IN2_A_CPH_067



IN2_A_CPH_068	
Purpose:	Check that a single event oCalledPartyBusy is detected on a passive leg
Requirement ref	
Selection Cond.	
Preamble:	O_S2P_null_null
Test	L1! SplitLeg(1,2) L1? SplitLegReturnResult L1! ContinueWithArgument(CsId=1) L1! RRB(3, interrupted, oBusy, notify, oAnswer) L1! Connect(3,2) CP1_3? SetUpReq CP1_3! ReleaseInd(Busy cause)
Pass criteria	L1? ERB(3,interrupted,oBusy)
Postamble:	ReleaseAll_2

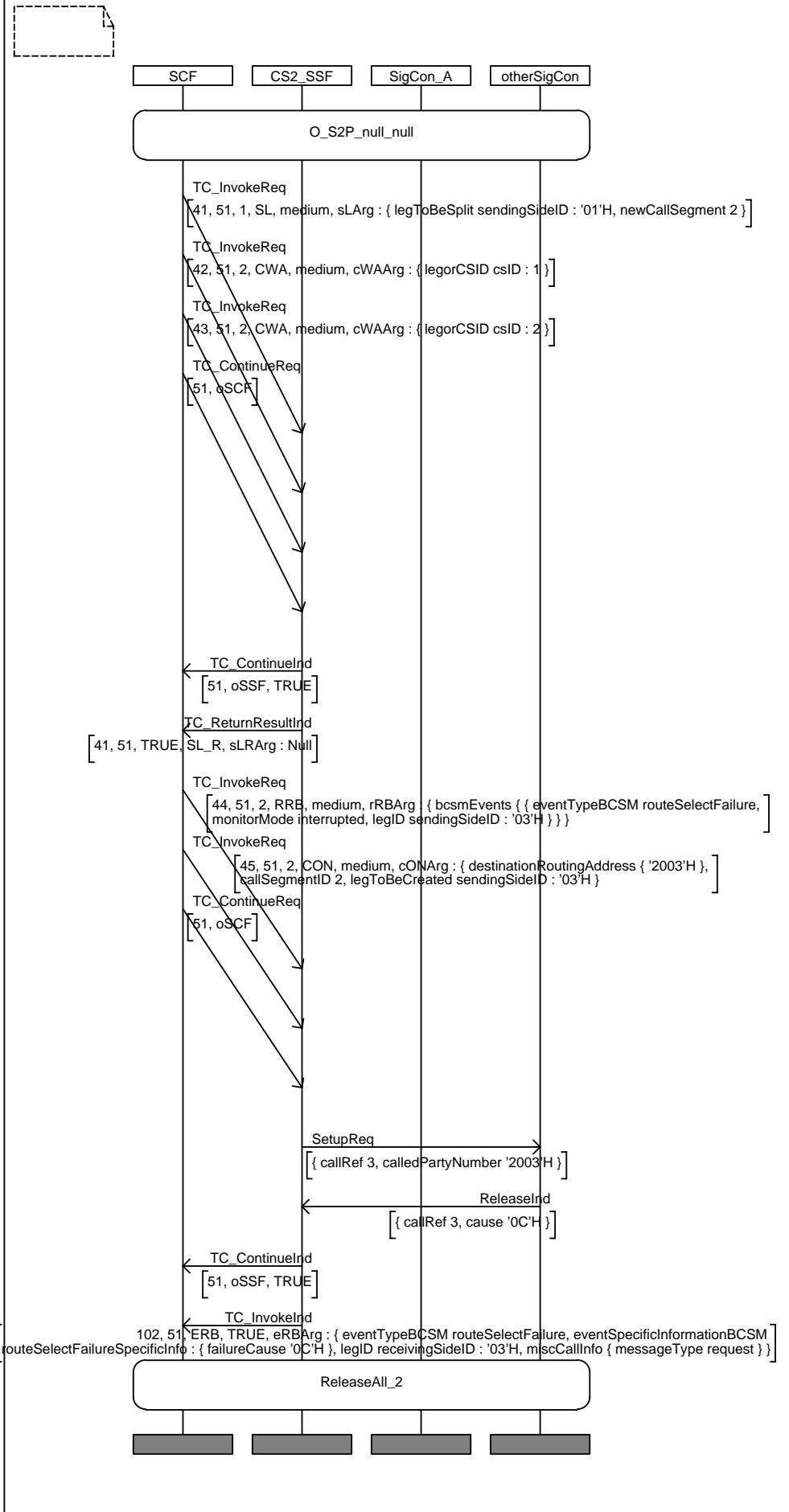
MSC IN2_A_CPH_068



IN2_A_CPH_069	
Purpose:	Check after two events are armed, they are reported
Requirement ref	
Selection Cond.	
Preamble:	O_S2P_null_null
Test	L1! SplitLeg(1,2) L1? SplitLegReturnResult L1! ContinueWithArgument(CsId=1) L1! RRB(2, interrupted, oAnswer) L1! RRB(3, interrupted, oBusy) L1! Connect(3,2) CP1_3? SetupReq CP1_2! SetupConf CP1_3! ReleaseInd(Busy cause)
Pass criteria	L1? ERB(2,interrupted,oAnswer) L1? ERB(3,interrupted,oBusy)
Postamble:	ReleaseAll_2

IN2_A_CPH_070	
Purpose:	Check that a single event routeSelectFailure is detected on a passive leg
Requirement ref	
Selection Cond.	
Preamble:	O_S2P_null_null
Test	L1! SplitLeg(1,2) L1? SplitLegReturnResult L1! ContinueWithArgument(CsId=1) L1! RRB(3, interrupted, oRouteSelectFailure) L1! Connect(3,2) CP1_3? SetUpReq CP1_3! ReleaseInd(RouteSelectFailure cause)
Pass criteria	L1? ERB(3,interrupted, oRouteSelectFailure)
Postamble:	ReleaseAll_2

MSC IN2_A_CPH_070



IN2_A_CPH_071

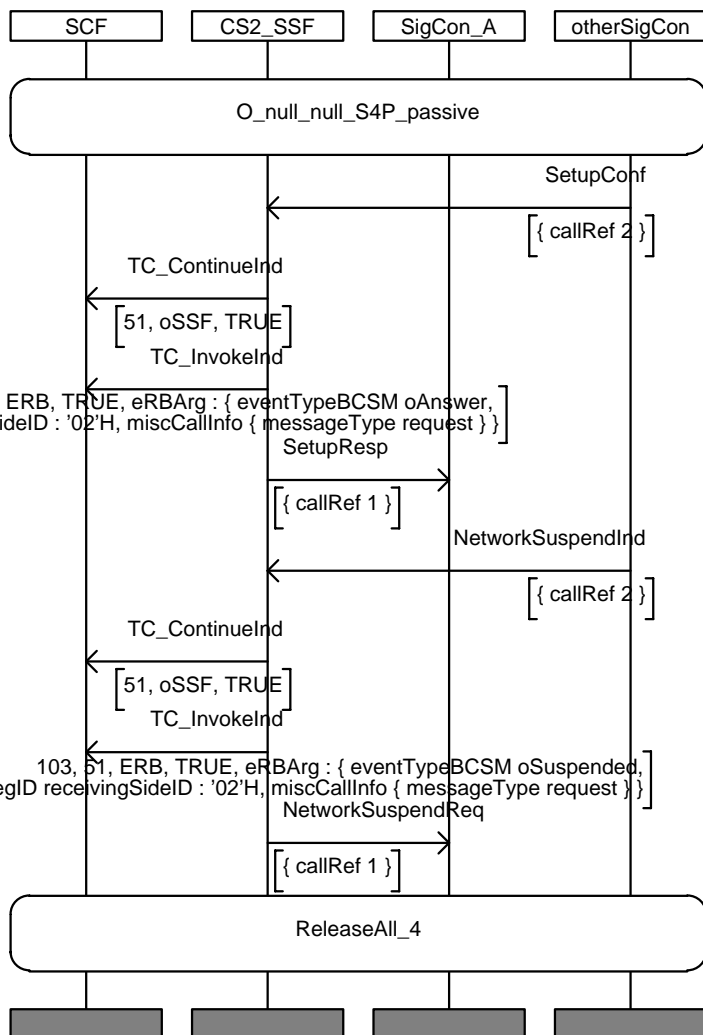
This test purpose is not included.

IN2_A_CPH_072

This test purpose is not included.

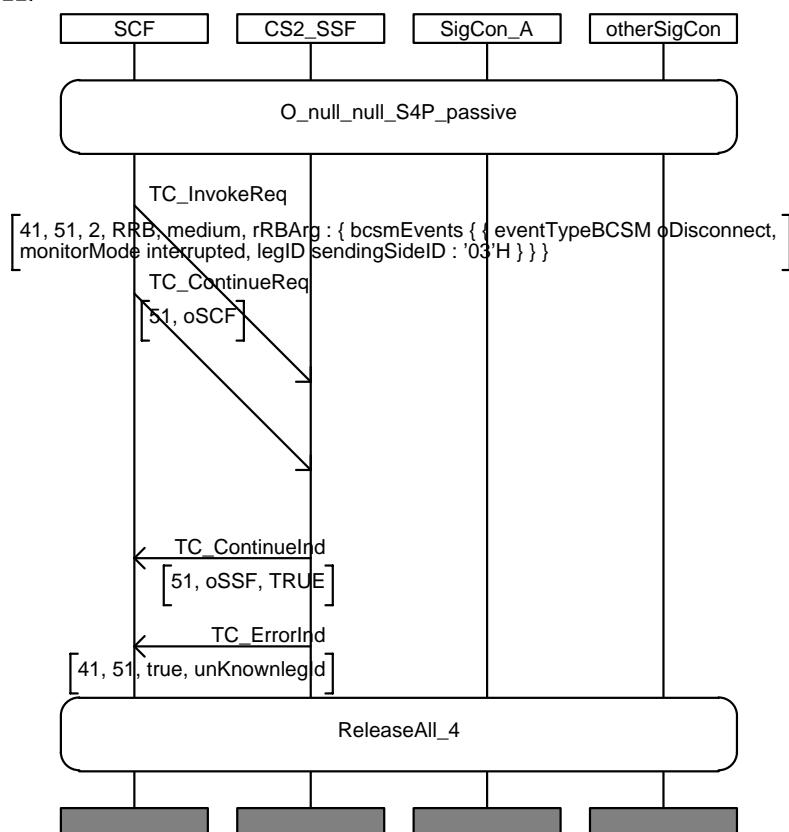
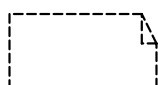
IN2_A_CPH_073	
Purpose:	Check that after two events are armed, then both are reported
Requirement ref	
Selection Cond.	
Preamble:	O_null_null_S4P_passive
Test description	CP1_2! SetupConf CP1_2! NetworkSuspendInd
Pass criteria	L1? ERB(2,notify, oAnswer) L1? ERB(2,notify, oSuspended)
Postamble:	ReleaseAll_4

MSC IN2_A_CPH_073

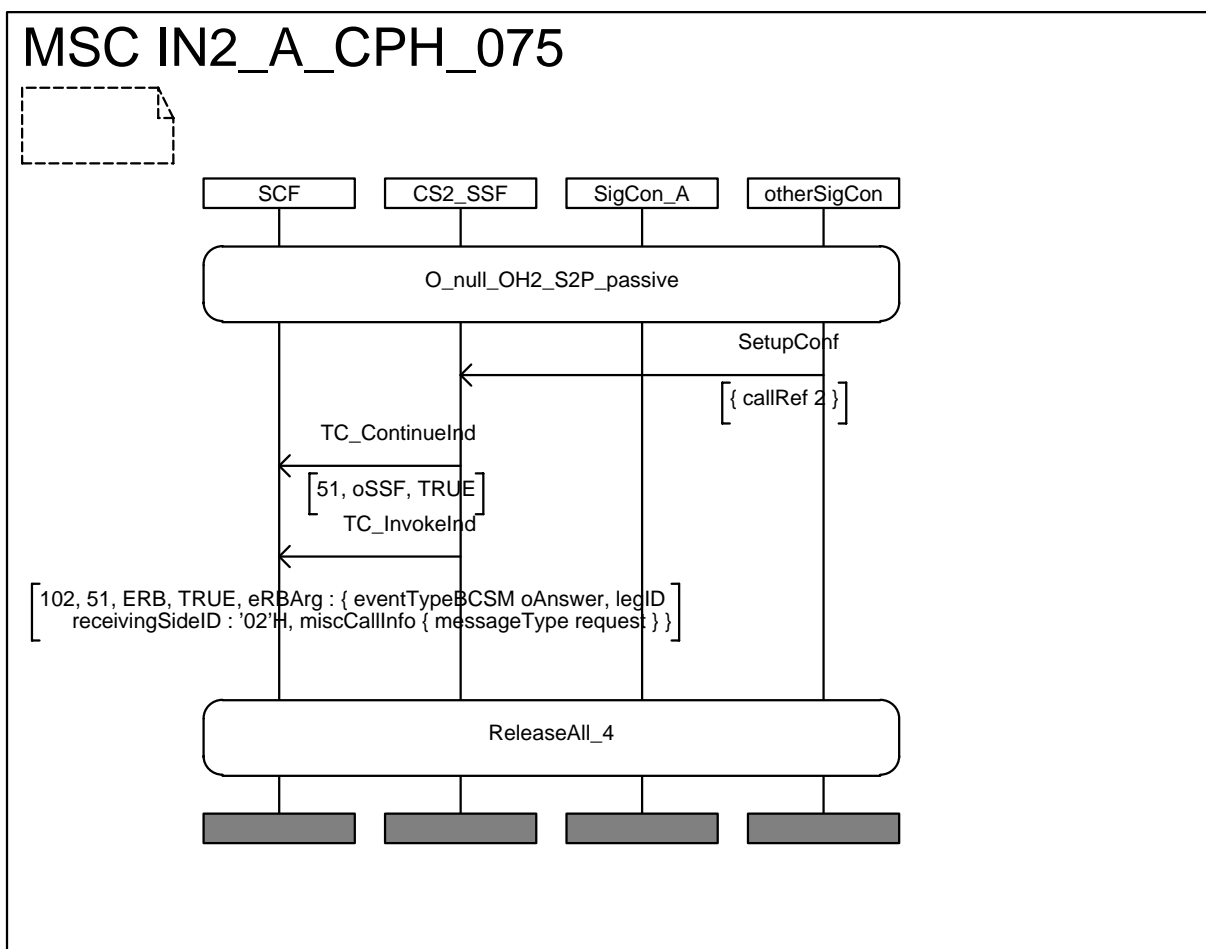


IN2_A_CPH_074	
Purpose:	Check that after sending an erroneous component an error is reported
Requirement ref	
Selection Cond.	
Preamble:	O_null_null_S4P_passive
Test description	L1! RRB(6, notify, oSuspend)
Pass criteria	L1? RRB_err (this leg doesn't exist)
Postamble:	ReleaseAll_4

MSC IN2m_A_CPH_074



IN2_A_CPH_075	
Purpose:	Check that a single event oAnswer is detected on a passive leg
Requirement ref	
Selection Cond.	
Preamble:	O_null_OH(2)_S2P_passive
Test description	CP1_2! SetupConf
Pass criteria	L1? ERB(2, notify, oAnswer)
Postamble:	ReleaseAll_4

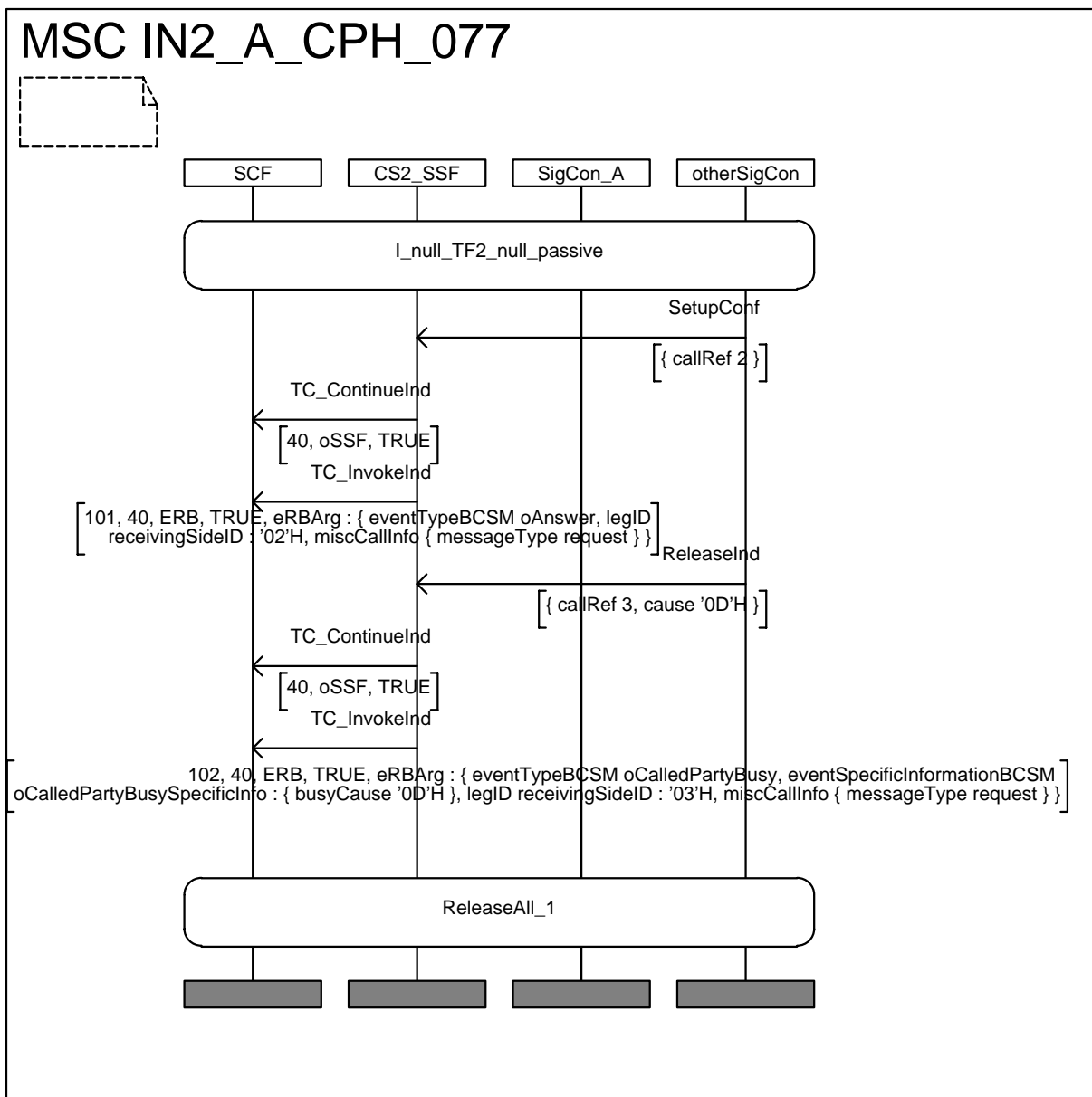


IN2_A_CPH_076

This test purpose is not included.

IN2_A_CPH_077	
Purpose:	Check that after two events are armed, then both are reported
Requirement ref	
Selection Cond.	
Preamble:	I_null_TF(2)_null_passive
Test description	CP1_2! SetUpConf CP1_3! ReleaseInd(Busy cause)
Pass criteria	L1? ERB(2,notify, oAnswer) L1? ERB(3,notify, oBusy)
Postamble:	ReleaseAll_1

MSC IN2_A_CPH_077

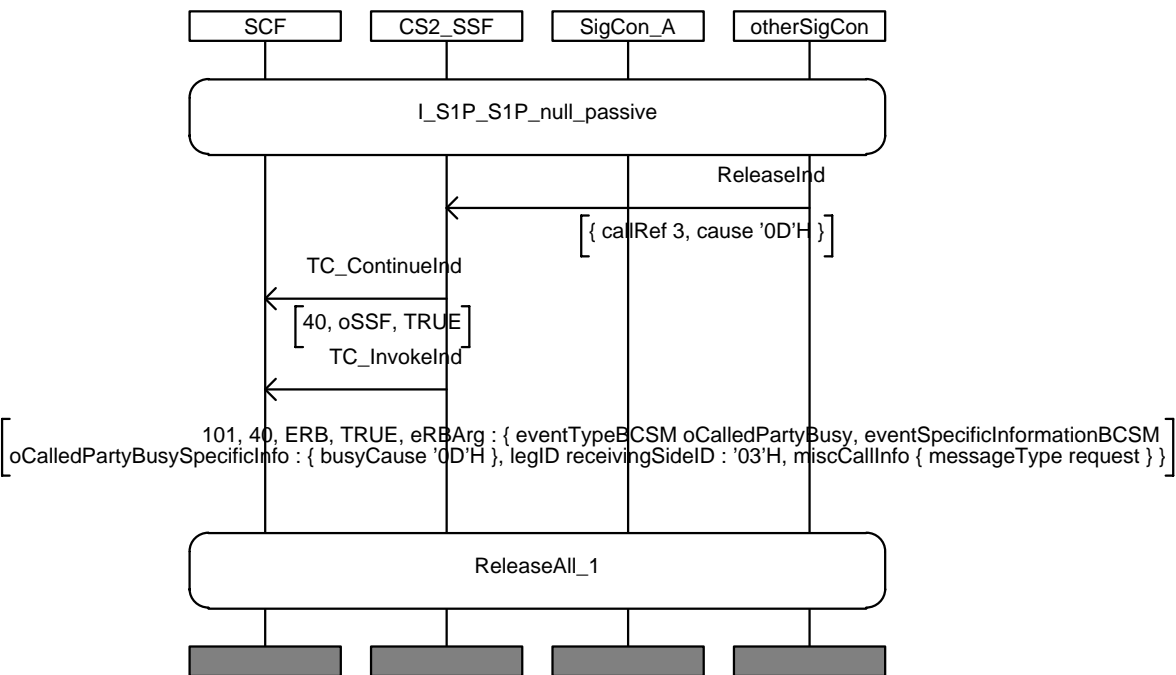


IN2_A_CPH_078

This test purpose is not included.

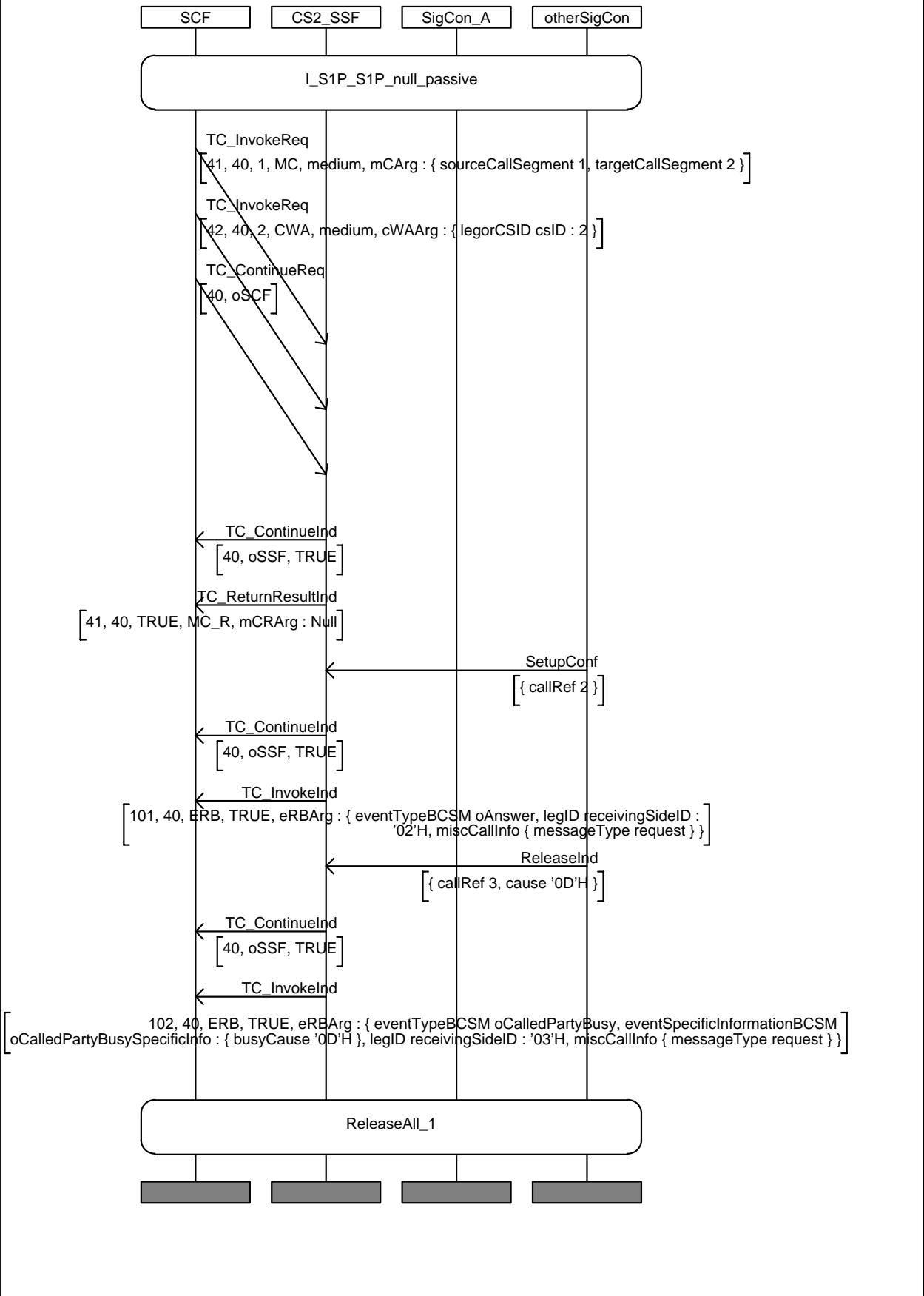
IN2_A_CPH_079	
Purpose:	Check that after two events are armed, then only one is reported
Requirement ref	
Selection Cond.	
Preamble:	I_S1P_S1P_null_passive
Test description	CP1_3! ReleaseInd(Busy cause)
Pass criteria	L1? ERB(3,notify, oBusy)
Postamble:	ReleaseAll_1

MSC IN2_A_CPH_079



IN2_A_CPH_080	
Purpose:	Test that after a Merge Call segments operation the events armed remain the same for the passive legs.
Requirement ref	
Selection Cond.	
Preamble:	I_S1P_S1P_null_passive
Test description	L1! MergeCallSegments(1,2) L1? MergeCallSegmentReturnResult L1! ContinueWithArgument(CsId=2) CP1_2! SetUpConf CP1_3! ReleaseInd(Busy cause)
Pass criteria	L1? ERB(2,notify, oAnswer) L1? ERB(3,notify, oBusy)
Postamble:	ReleaseAll_1

MSC IN2_A_CPH_080

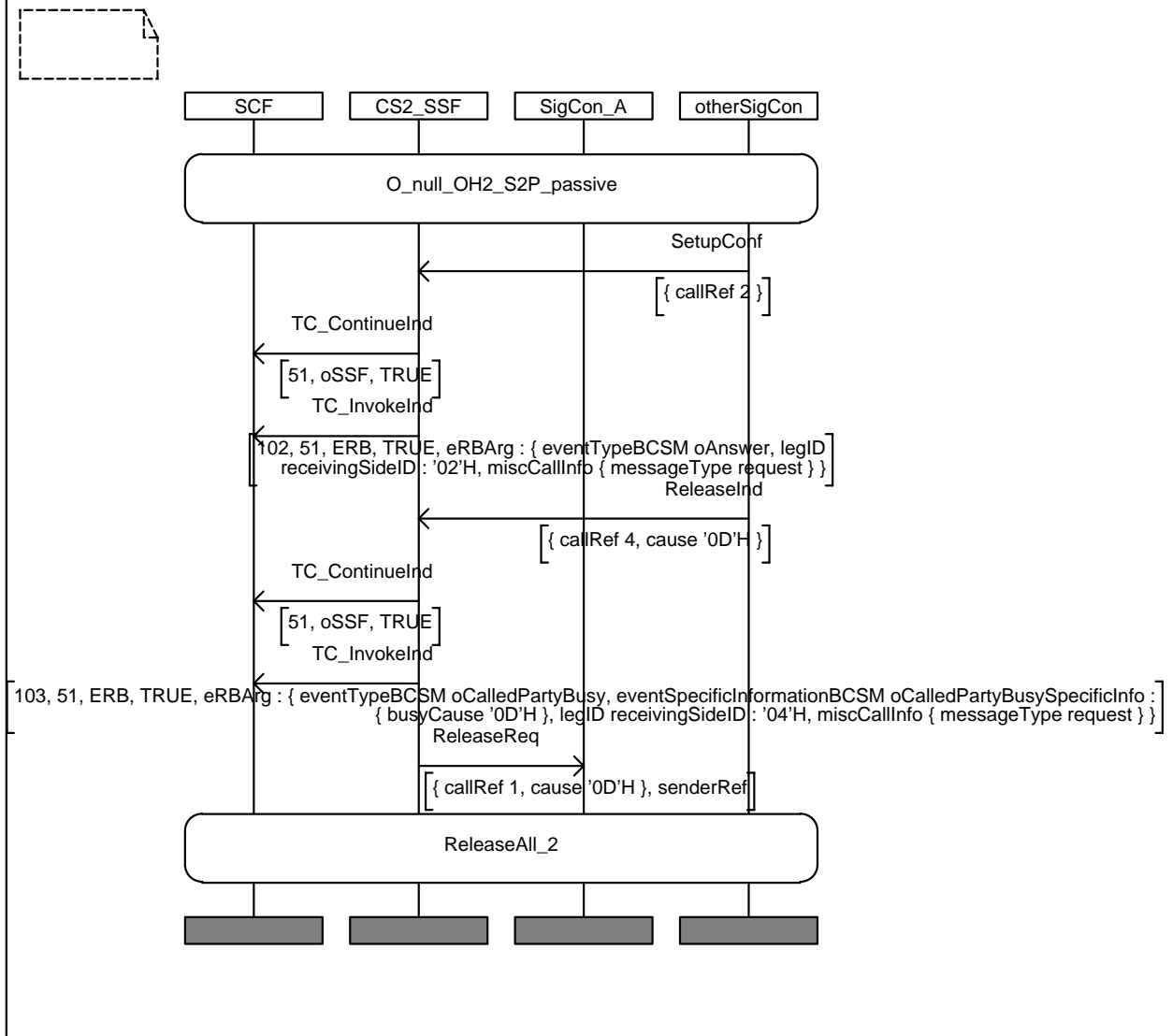


IN2_A_CPH_081

This test purpose is not included.

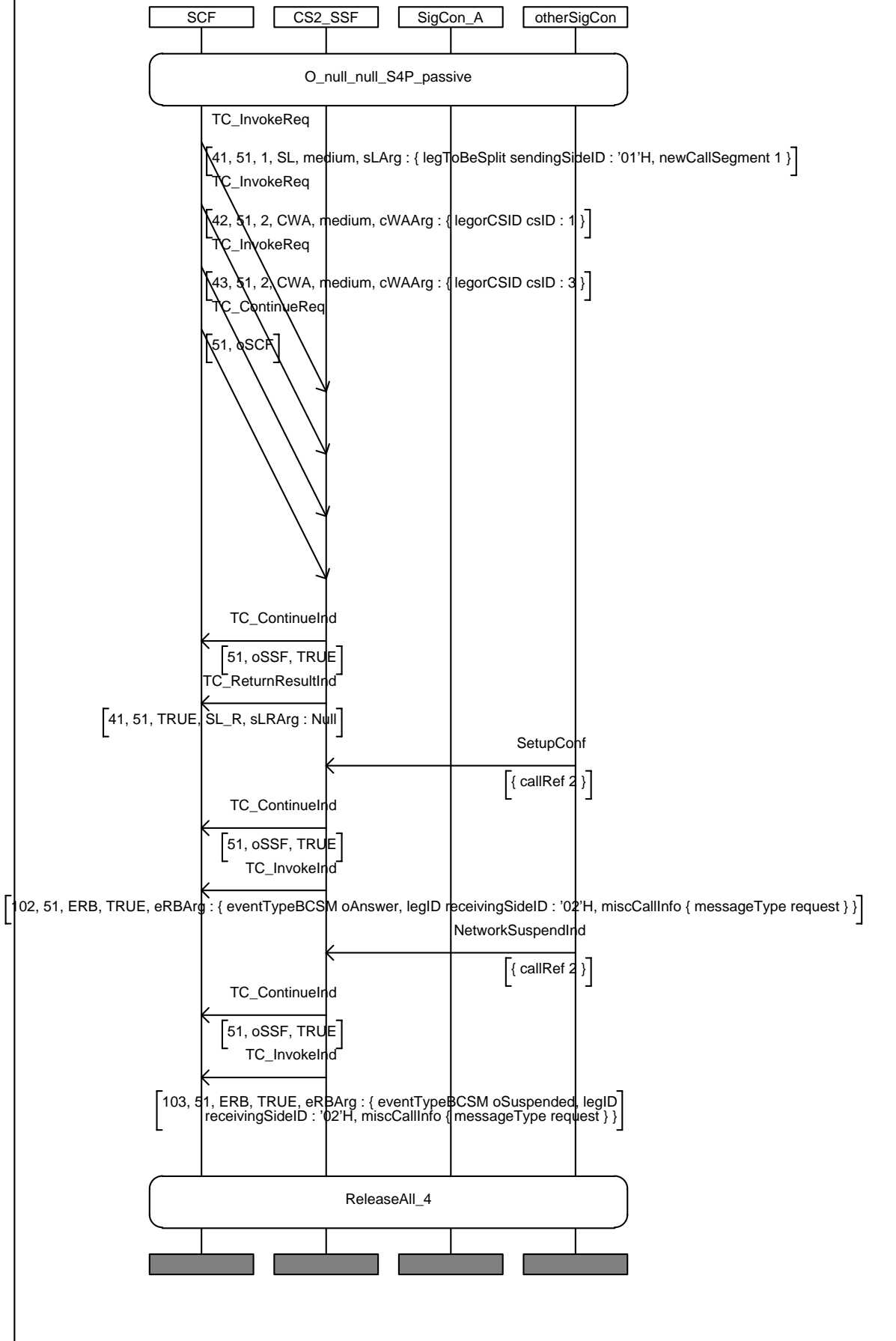
IN2_A_CPH_082	
Purpose:	Check that after two events are armed, then both are reported
Requirement ref	
Selection Cond.	
Preamble:	O_null_OH(2)_S2P_passive
Test description	CP1_2! SetupConf CP1_4! ReleaseInd(Busy cause)
Pass criteria	L1? ERB(2,notify, oAnswer) L1? ERB(4,notify, oBusy)
Postamble:	ReleaseAll_2

MSC IN2_A_CPH_082



IN2_A_CPH_083	
Purpose:	Test that after a Split leg operation is sent the armed events remain the same
Requirement ref	
Selection Cond.	
Preamble:	O_null_null_S4P_passive
Test description	L1! SplitLeg(1,1) L1? SplitLegReturnResult L1! ContinueWithArgument(CsId=1) L1! ContinueWithArgument(CsId=3) CP1_2! SetupConf CP1_2! NetworkSuspendInd
Pass criteria	L1? ERB(2, notify, oAnswer) L1? ERB(2, notify, oSuspend)
Postamble:	ReleaseAll_4

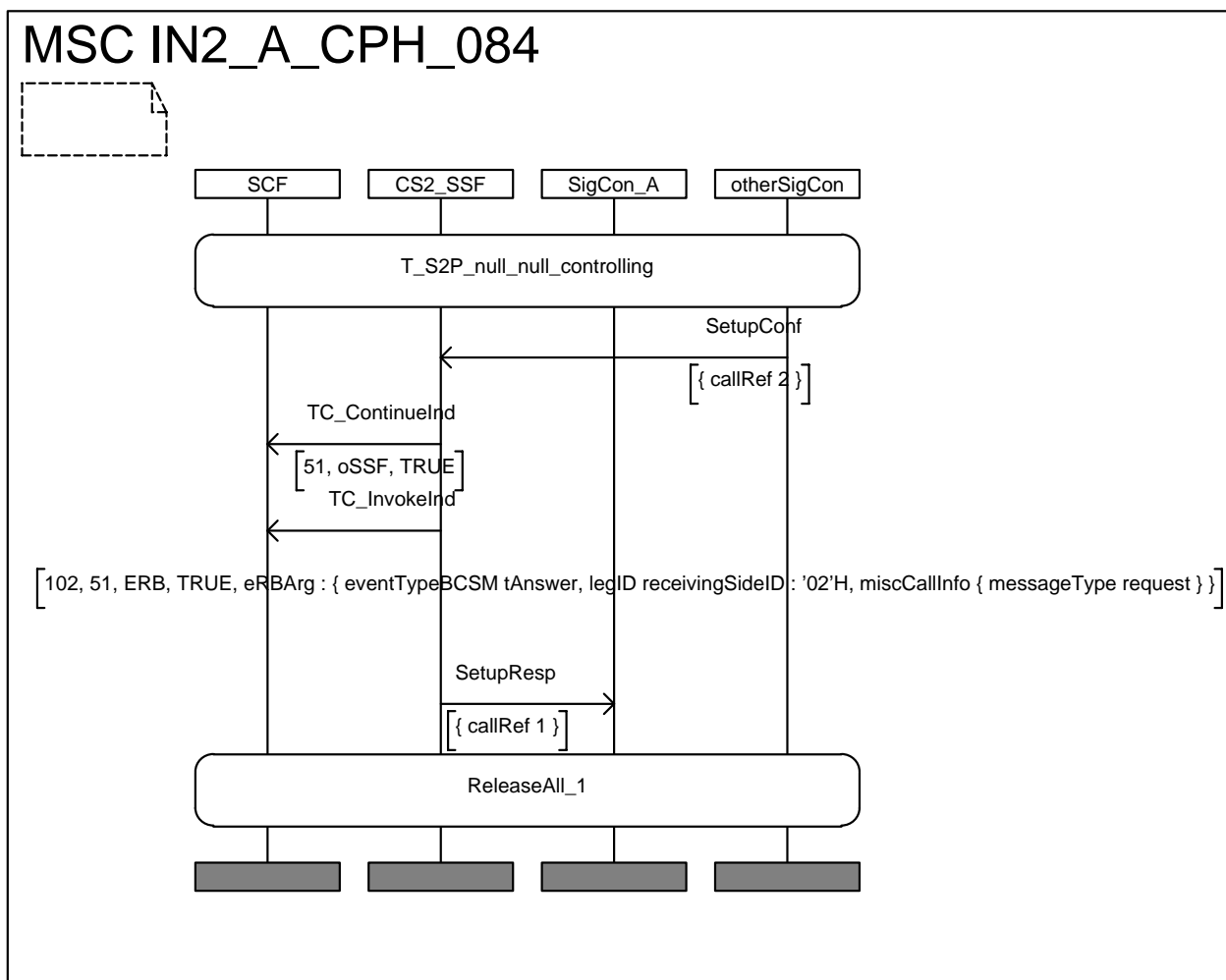
MSC IN2_A_CPH_083



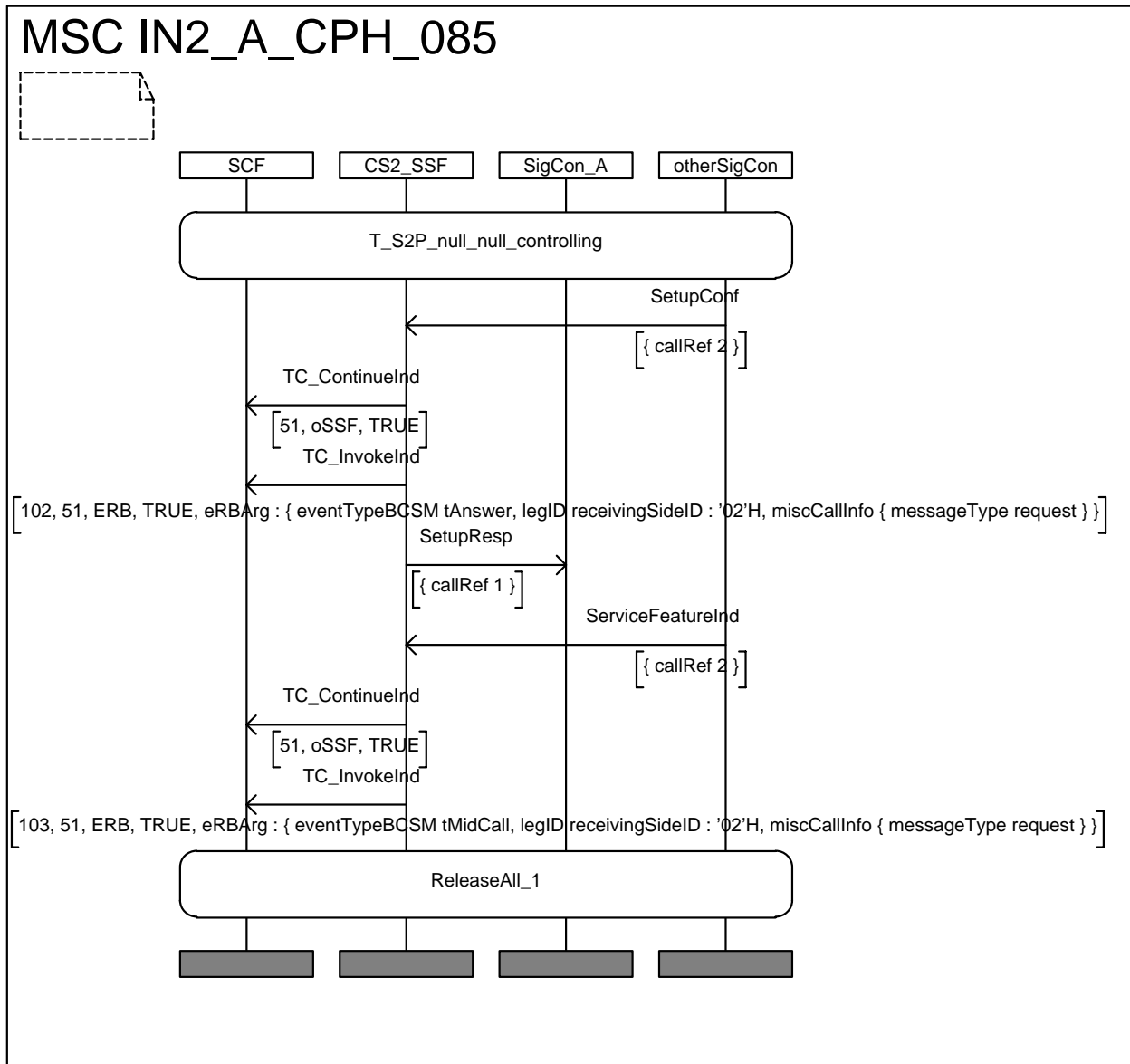
7.6.2 Terminating (T) trigger

7.6.2.1 T_1 Events coming from the controlling leg (legId=2),

IN2_A_CPH_084	
Purpose:	Check that an event coming from the controlling leg is reported
Requirement ref	
Selection Cond.	
Preamble:	T_S2P_null_null_controlling
Test description	CP1_2! SetupConf
Pass criteria	L1?: ERB (tAnswer) is received only once (filtering rules apply)
Postamble:	ReleaseAll_1

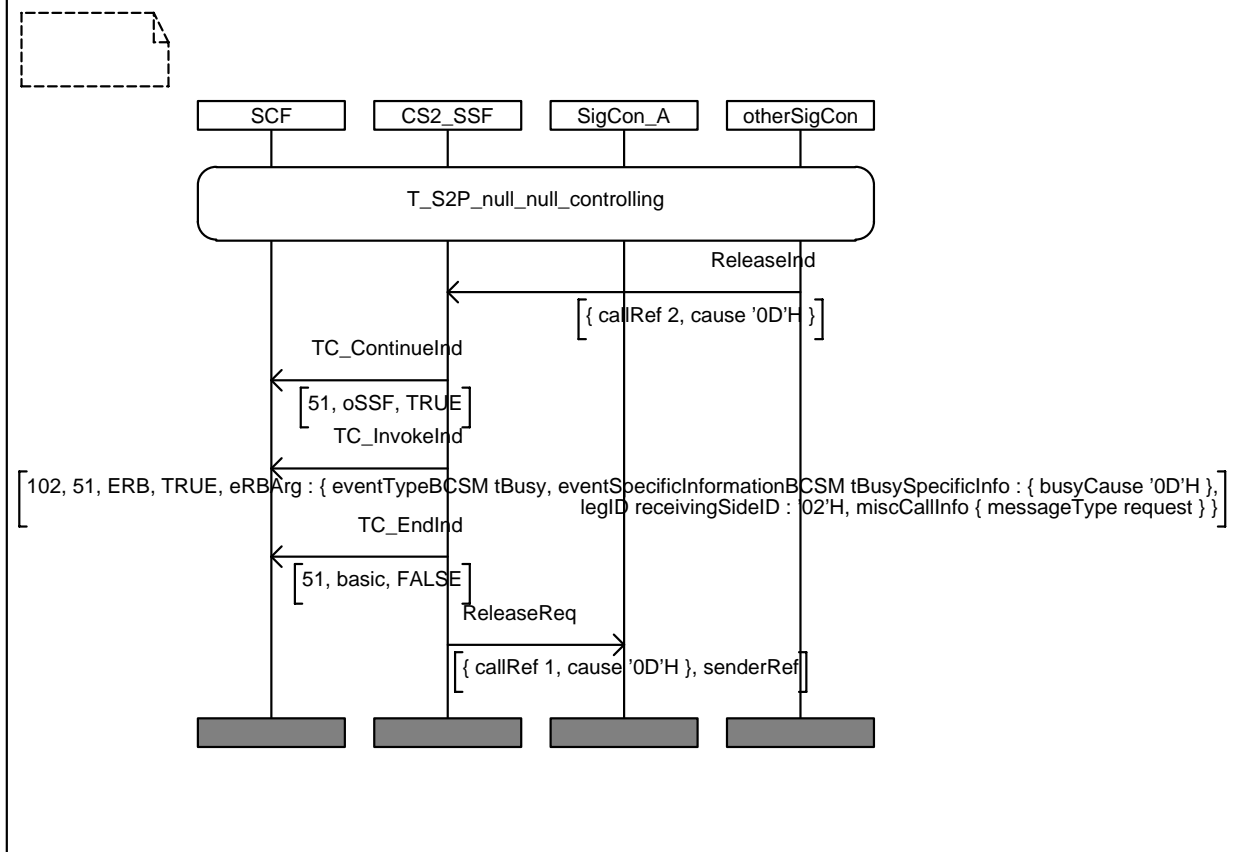


IN2_A_CPH_085	
Purpose:	Check that an event coming from the controlling leg is reported
Requirement ref	
Selection Cond.	
Preamble:	T_S2P_null_null_controlling
Test description	CP1_2!:SetupConf CP1_2!:ServiceFeatureIndication
Pass criteria	L1?: ERB (tAnswer) L1?: ERB (tMidCall)
Postamble:	ReleaseAll_1



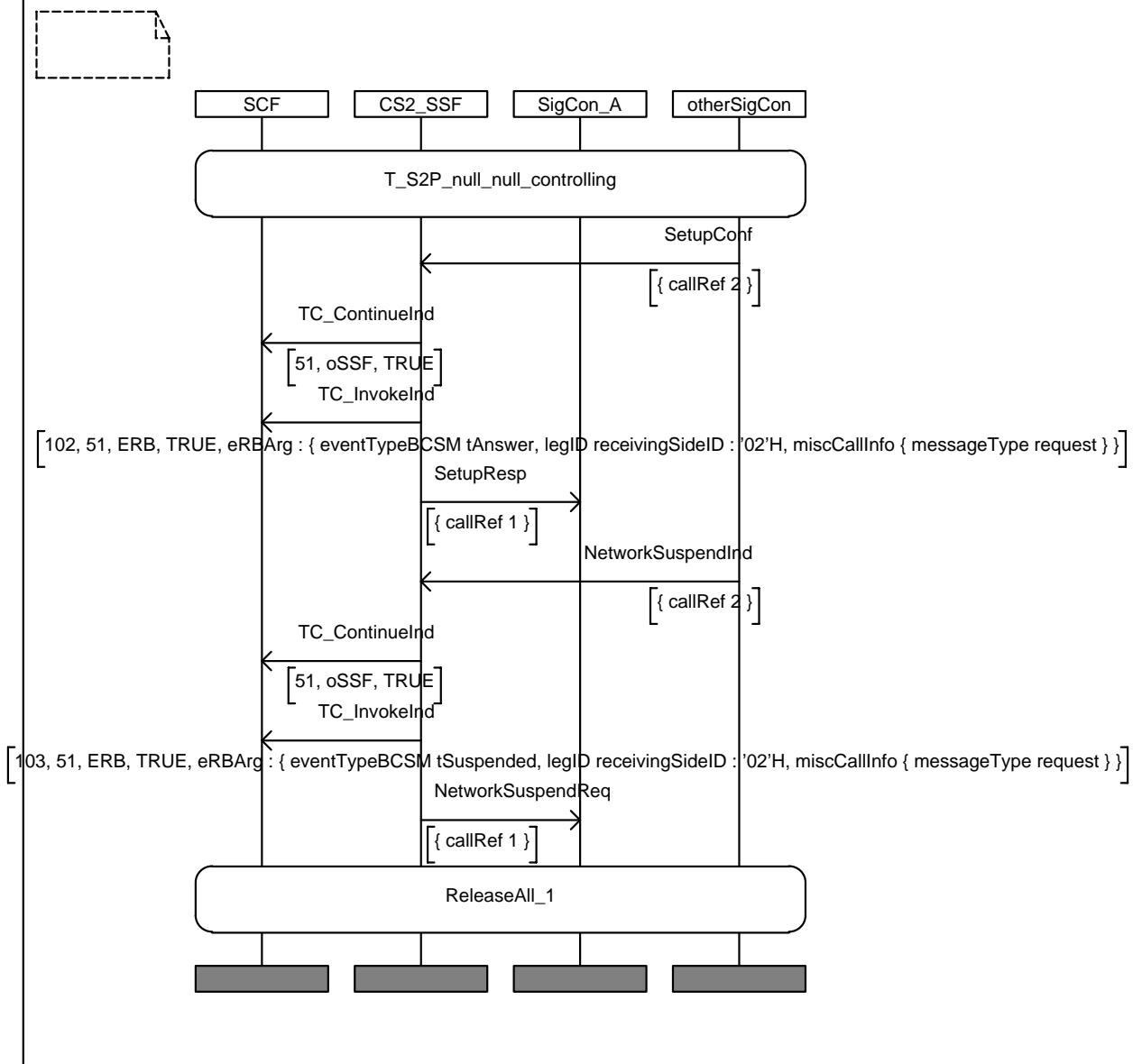
IN2_A_CPH_087	
Purpose:	Check that an event coming from the controlling leg is reported
Requirement ref	
Selection Cond.	
Preamble:	T_S2P_null_null_controlling
Test description	CP1_2!: ReleaseIndication(busy)
Pass criteria	L1?: ERB (tBusy))
Postamble:	none

MSC IN2_A_CPH_087



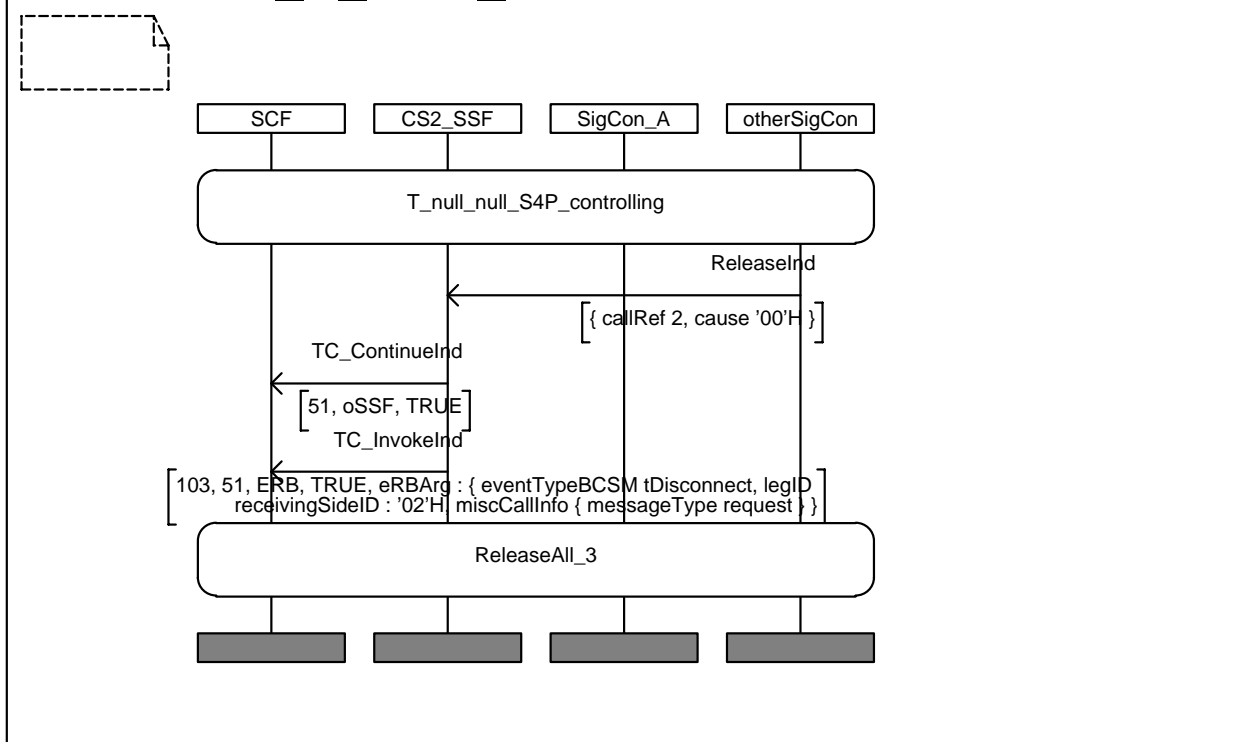
IN2_A_CPH_088	
Purpose:	Check that an event coming from the controlling leg is reported
Requirement ref	
Selection Cond.	
Preamble:	T_S2P_null_null_controlling
Test description	CP1_2!: SetupConf CP1_2!: SuspendIndication
Pass criteria	L1?: ERB (tAnswer) L1?: ERB(tSuspended)
Postamble:	ReleaseAll_1

MSC IN2_A_CPH_088

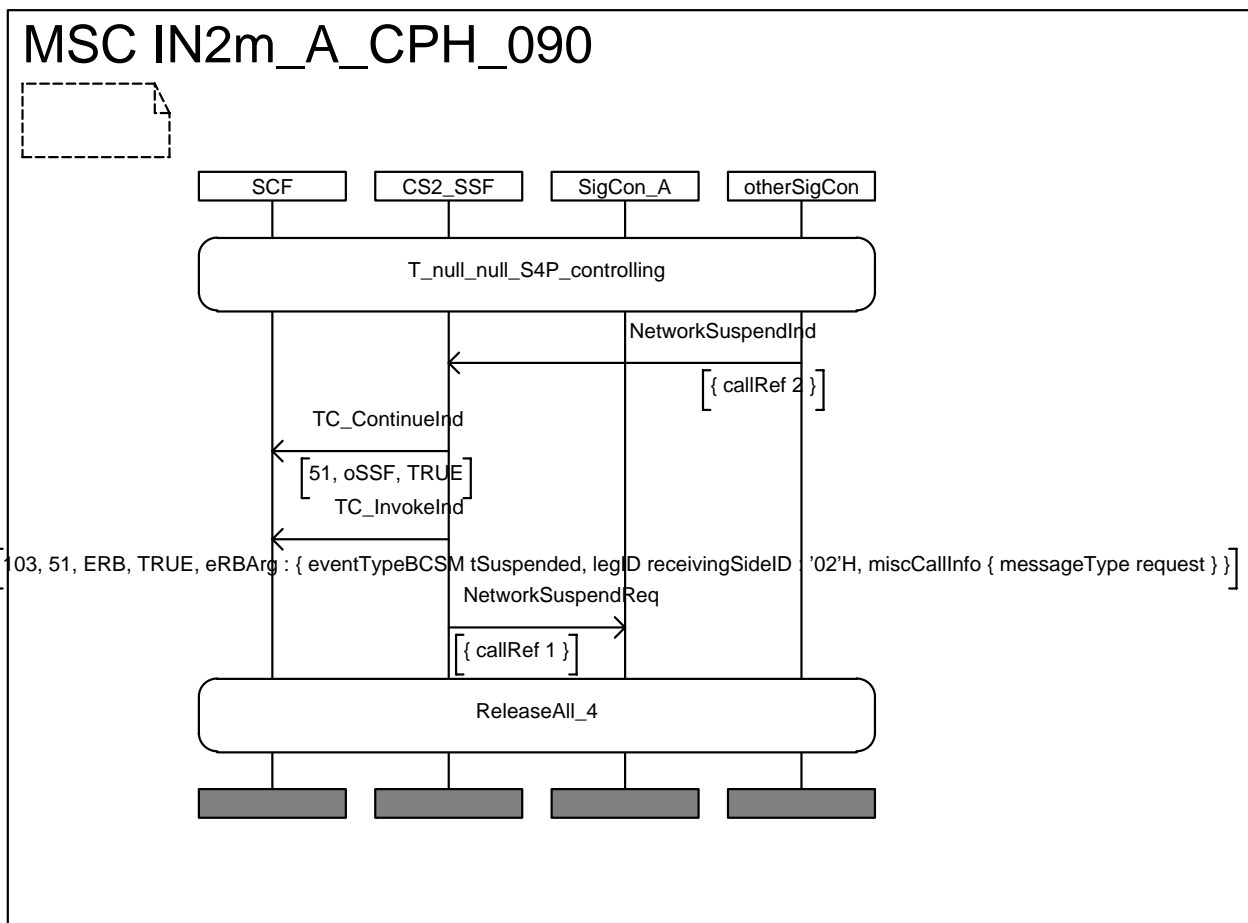


IN2_A_CPH_089	
Purpose:	Check that event filtering rules are applied
Requirement ref	
Selection Cond.	
Preamble:	T_null_null_S4P_controlling
Test description	CP1_2! ReleaseInd
Pass criteria	L1?: ERB (tDisconnect) is received only once (filtering rules apply)
Postamble:	ReleaseAll_3

MSC IN2m_A_CPH_089



IN2_A_CPH_090	
Purpose:	Check that event filtering rules are applied
Requirement ref	
Selection Cond.	
Preamble:	T_null_null_S4P_controlling
Test description	CP1_2!: SuspendIndication
Pass criteria	L1?: ERB (tSuspended) is received only once (filtering rules apply)
Postamble:	ReleaseAll_4

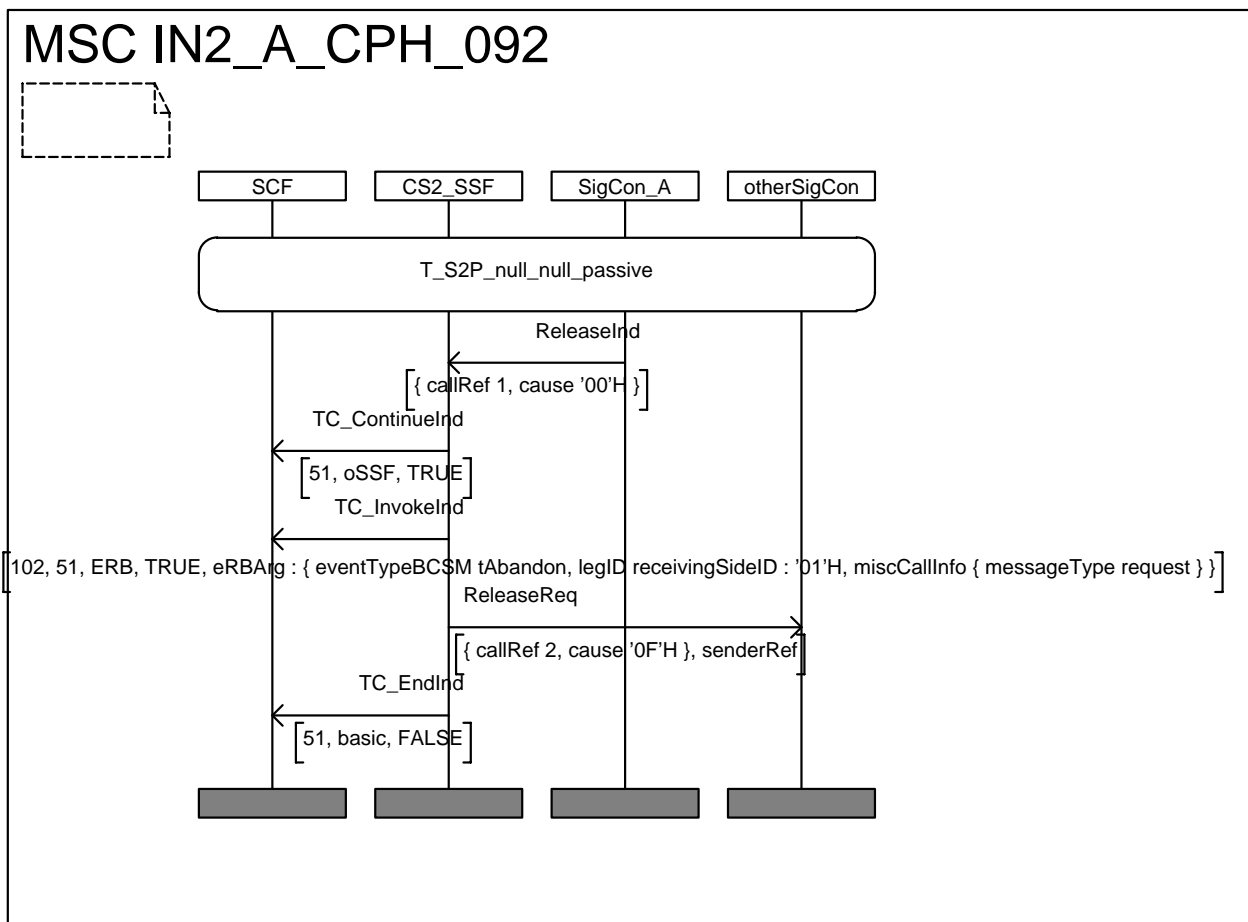


IN2_A_CPH_091

This test purpose is not included.

7.6.2.2 T_2 Events coming from passive legs (legId= 2,3...)

IN2_A_CPH_092	
Purpose:	Check that a single event tAbandon is reported
Requirement ref	
Selection Cond.	
Preamble:	T_S2P_null_null_passive
Test description	CP1_1! ReleaseInd
Pass criteria	L1? ERB(1,interrupted, tAbandon)
Postamble:	none

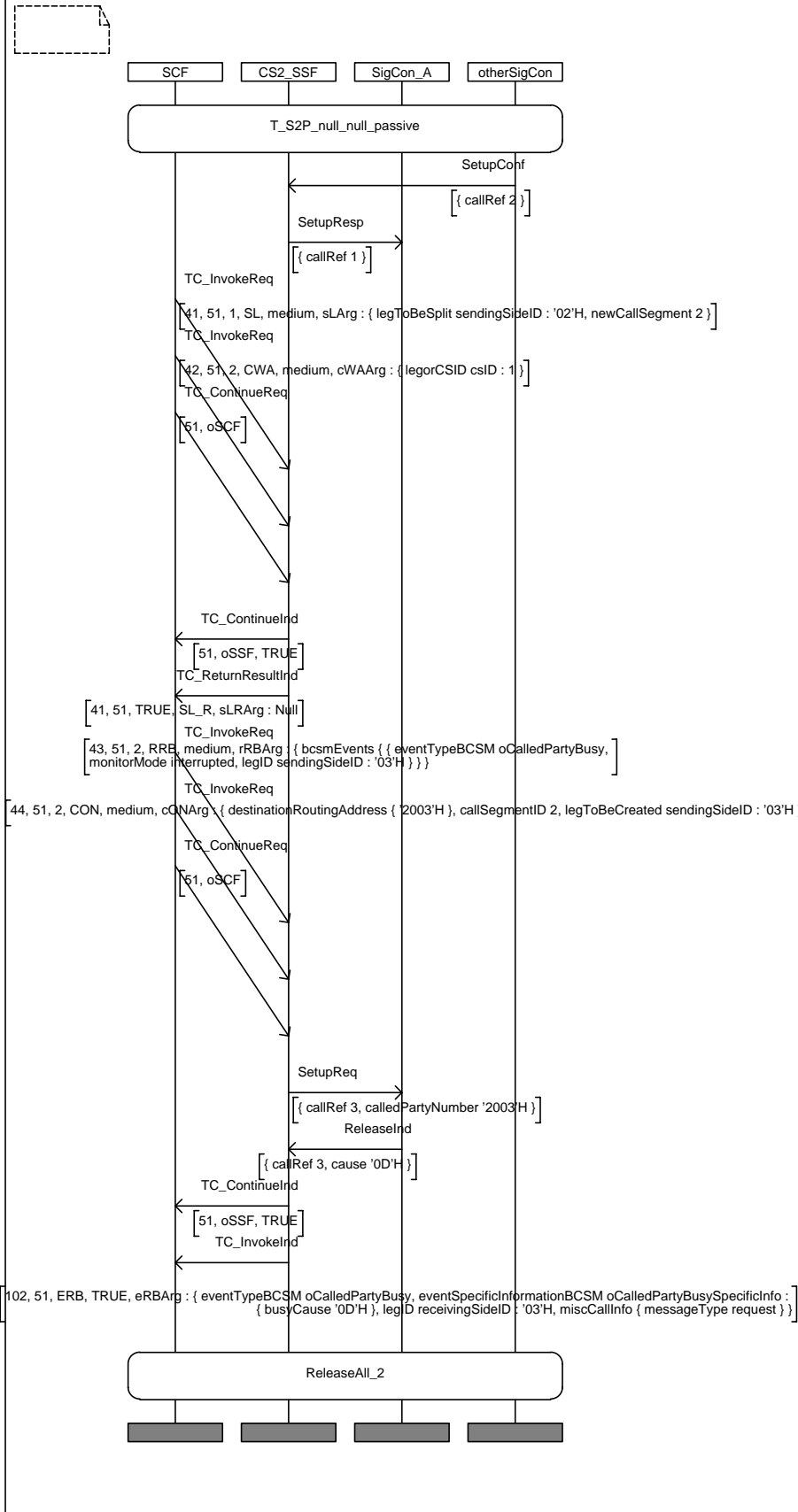


IN2_A_CPH_093

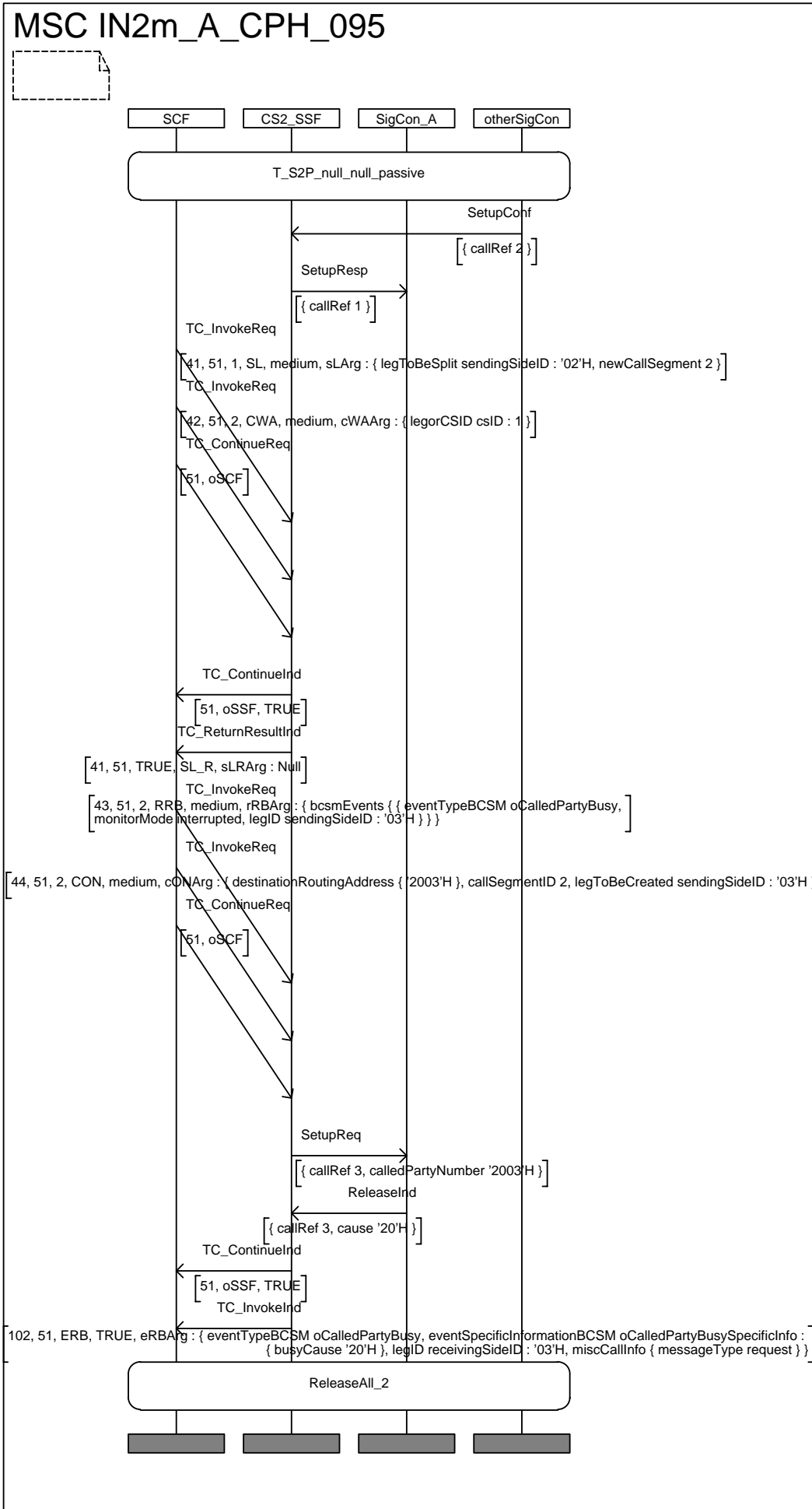
This test purpose is not included.

IN2_A_CPH_094	
Purpose:	Check that a single event oCalledpartyBusy is reported
Requirement ref	
Selection Cond.	
Preamble:	T_S2P_null_null_passive
Test description	L1! SplitLeg(2,2) L1? SplitLegReturnResult L1! ContinueWithArgument(CsId=1) L1! RRB(3, interrupted, oCalledPartyBusy) L1! Connect(3,2) CP1_3? SetUpReq CP1_3! ReleaseInd(Busy cause)
Pass criteria	L1? ERB(3,interrupted, oCalledPartyBusy)
Postamble:	ReleaseAll_2

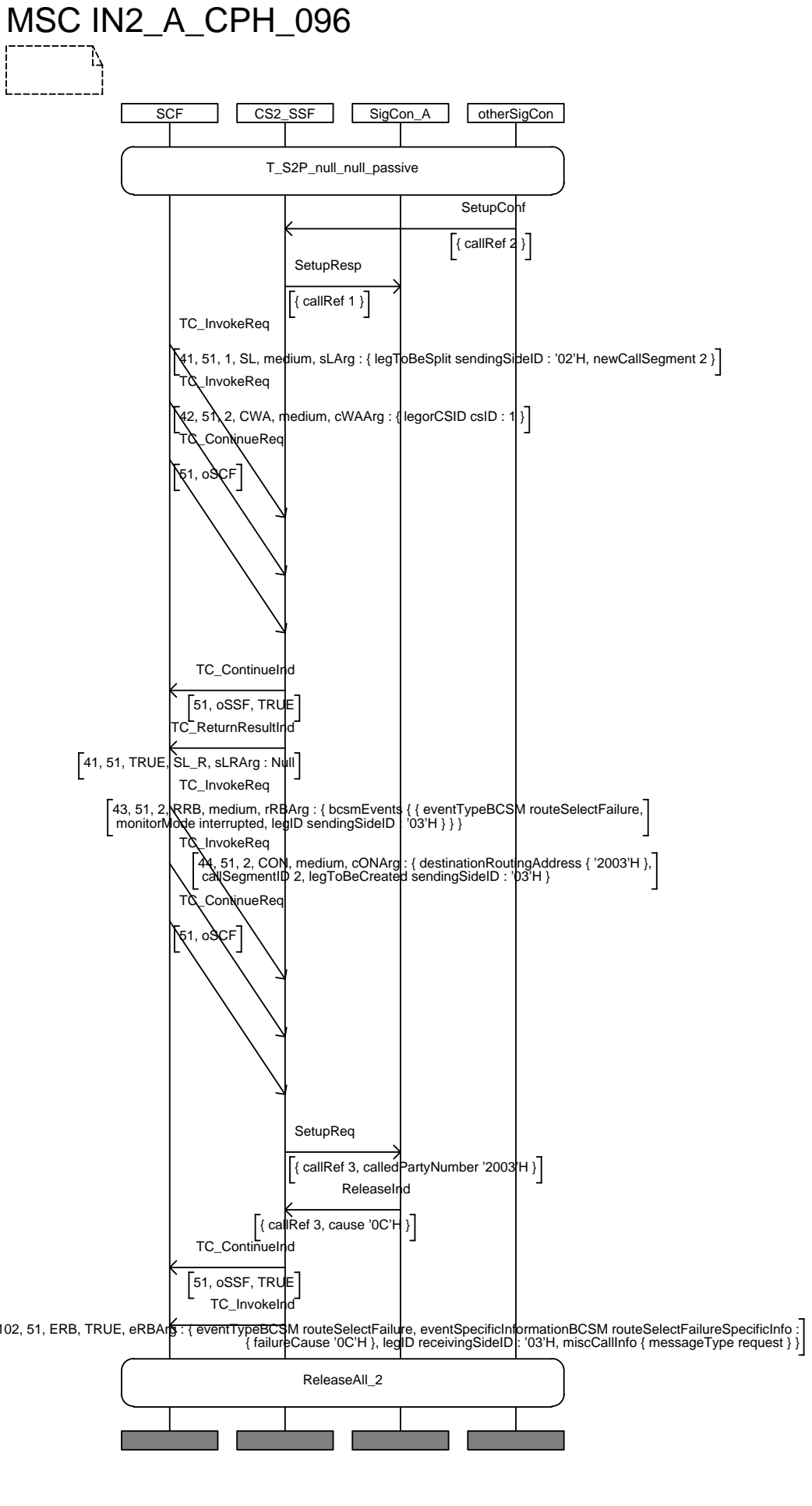
MSC IN2_A_CPH_094



IN2_A_CPH_095	
Purpose:	Check that a single event oCalledPartyBusy is reported
Requirement ref	
Selection Cond.	
Preamble:	T_S2P_null_null_passive
Test description	L1! SplitLeg(2,2) L1? SplitLegReturnResult L1! ContinueWithArgument(CsId=1) L1! RRB(3, interrupted, oCalledPartyBusy) L1! Connect(3,2) CP1_3? SetUpReq CP1_3! ReleaseInd(cause)
Pass criteria	L1? ERB(3,interrupted, oCalledPartyBusy, cause)
Postamble:	ReleaseAll_2

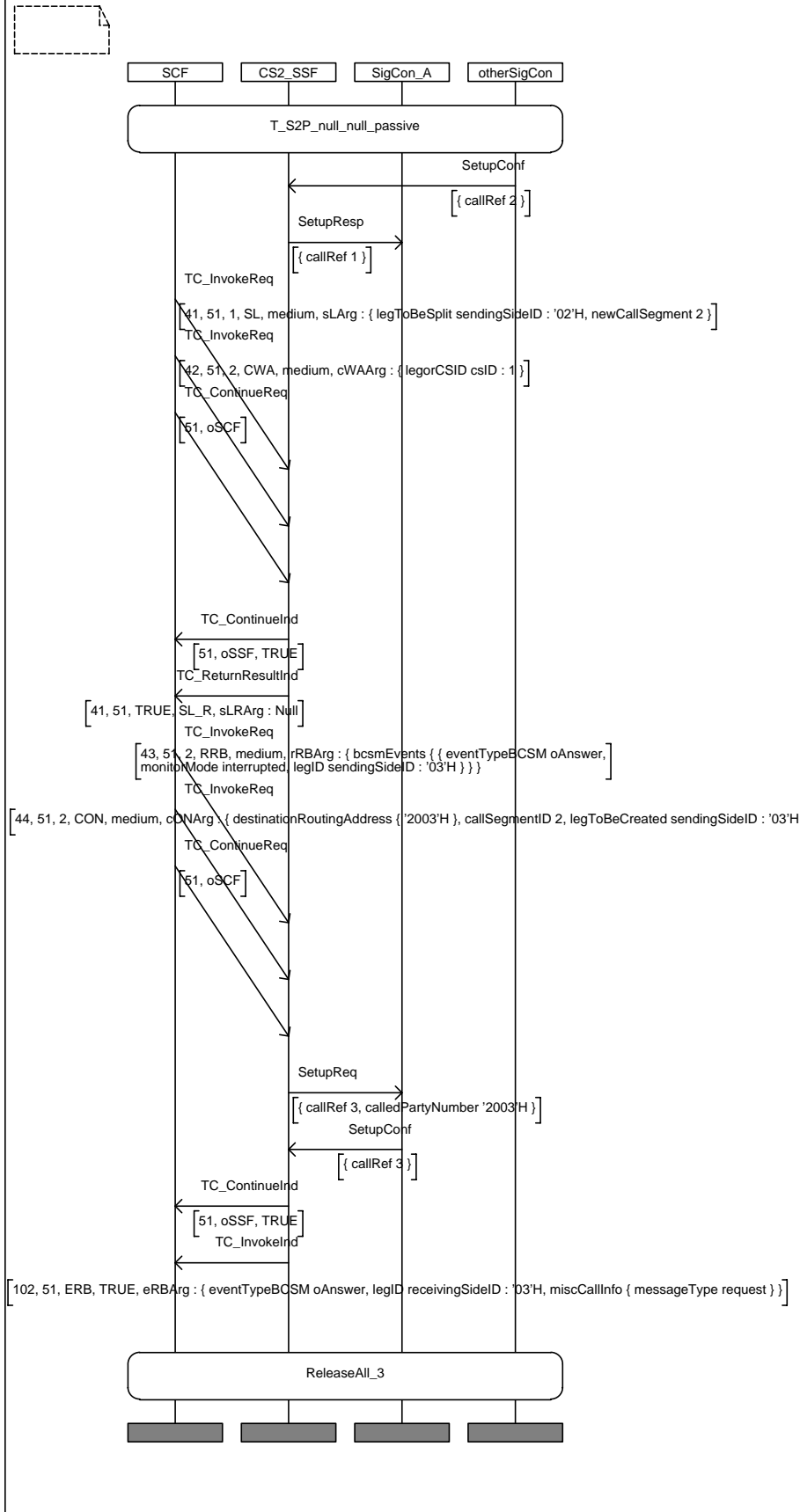


IN2_A_CPH_096	
Purpose:	Check that a single event routeSelectFailure is reported
Requirement ref	
Selection Cond.	
Preamble:	T_S2P_null_null_passive
Test description	L1! SplitLeg(2,2) L1? SplitLegReturnResult L1! ContinueWithArgument(CsId=1) L1! RRB(3, interrupted, oRouteSelectFailure) L1! Connect(3,2) CP1_3? SetUpReq CP1_3! ReleaseInd(RouteSelectFailure cause)
Pass criteria	L1? ERB(3,interrupted, oRouteSelectFailure)
Postamble:	ReleaseAll_2



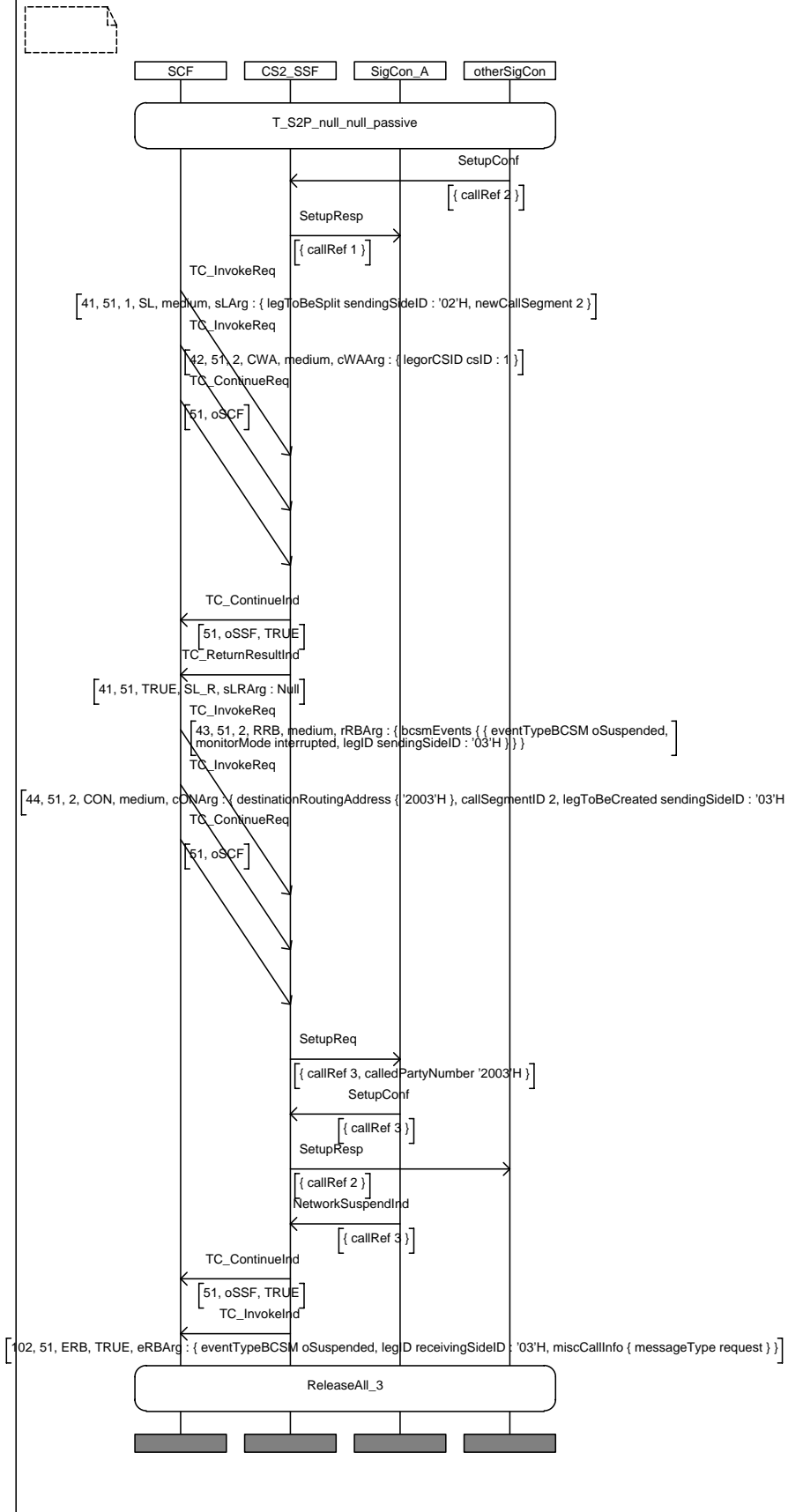
IN2_A_CPH_097	
Purpose:	Check that a single event oAnswer is reported
Requirement ref	
Selection Cond.	
Preamble:	T_S2P_null_null_passive
Test description	L1! SplitLeg(2,2) L1? SplitLegReturnResult L1! ContinueWithArgument(CsId=1) L1! RRB(3, interrupted, oAnswer) L1! Connect(3,2) CP1_3? SetUpReq CP1_3! SetUpConf
Pass criteria	L1? ERB(3,interrupted, oAnswer)
Postamble:	ReleaseAll_3

MSC IN2_A_CPH_097

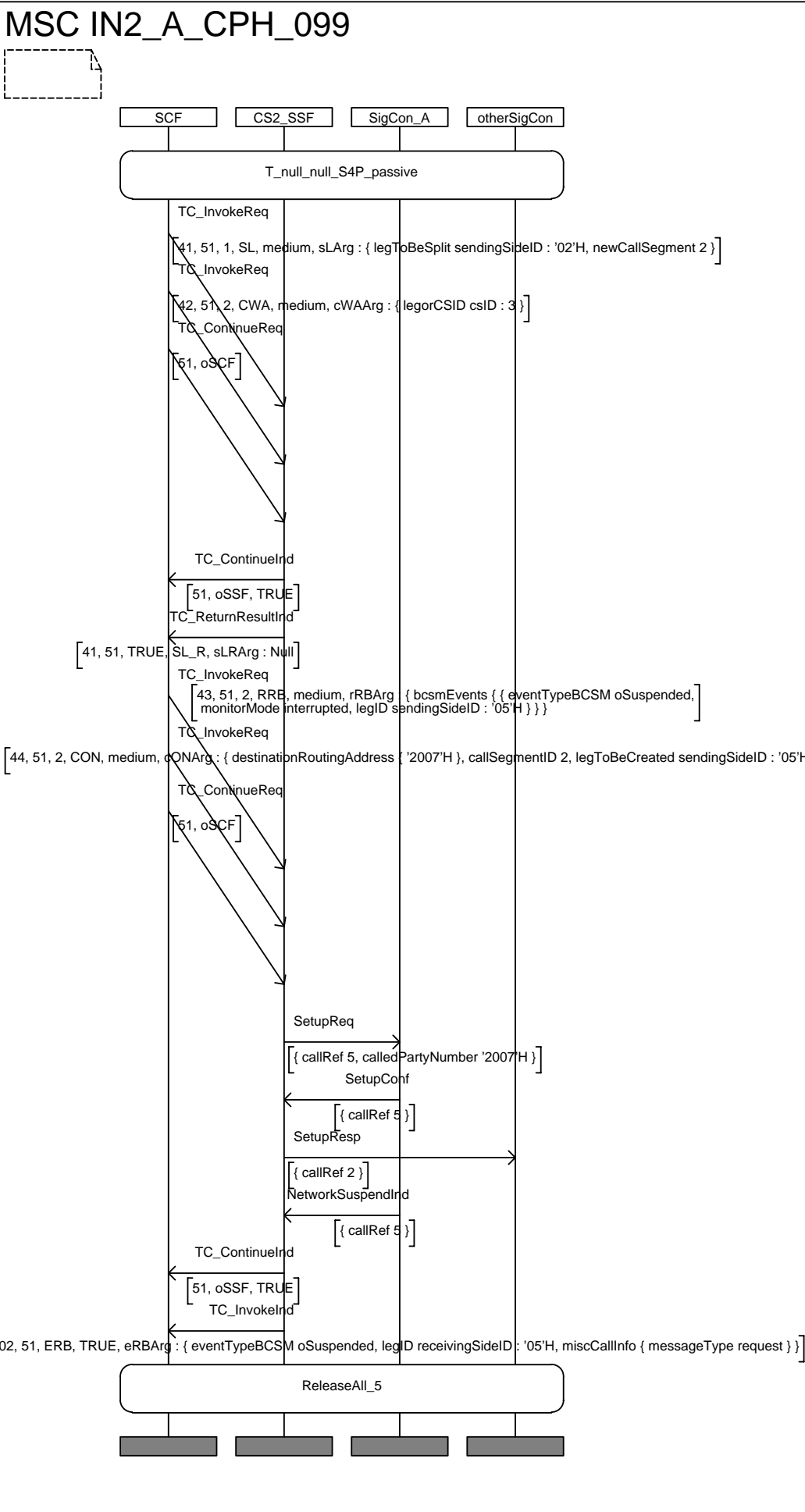


IN2_A_CPH_098	
Purpose:	Check that a single event oSuspended is reported
Requirement ref	
Selection Cond.	
Preamble:	T_S2P_null_null_passive
Test description	L1! SplitLeg(2,2) L1? SplitLegReturnResult L1! ContinueWithArgument(CsId=1) L1! RRB(3, interrupted, oSuspend) L1! Connect(3,2) CP1_3? SetUpReq CP1_3! SetUpConf CP1_3! NetworkSuspendInd
Pass criteria	L1? ERB(3,interrupted, oSuspend)
Postamble:	ReleaseAll_3

MSC IN2_A_CPH_098

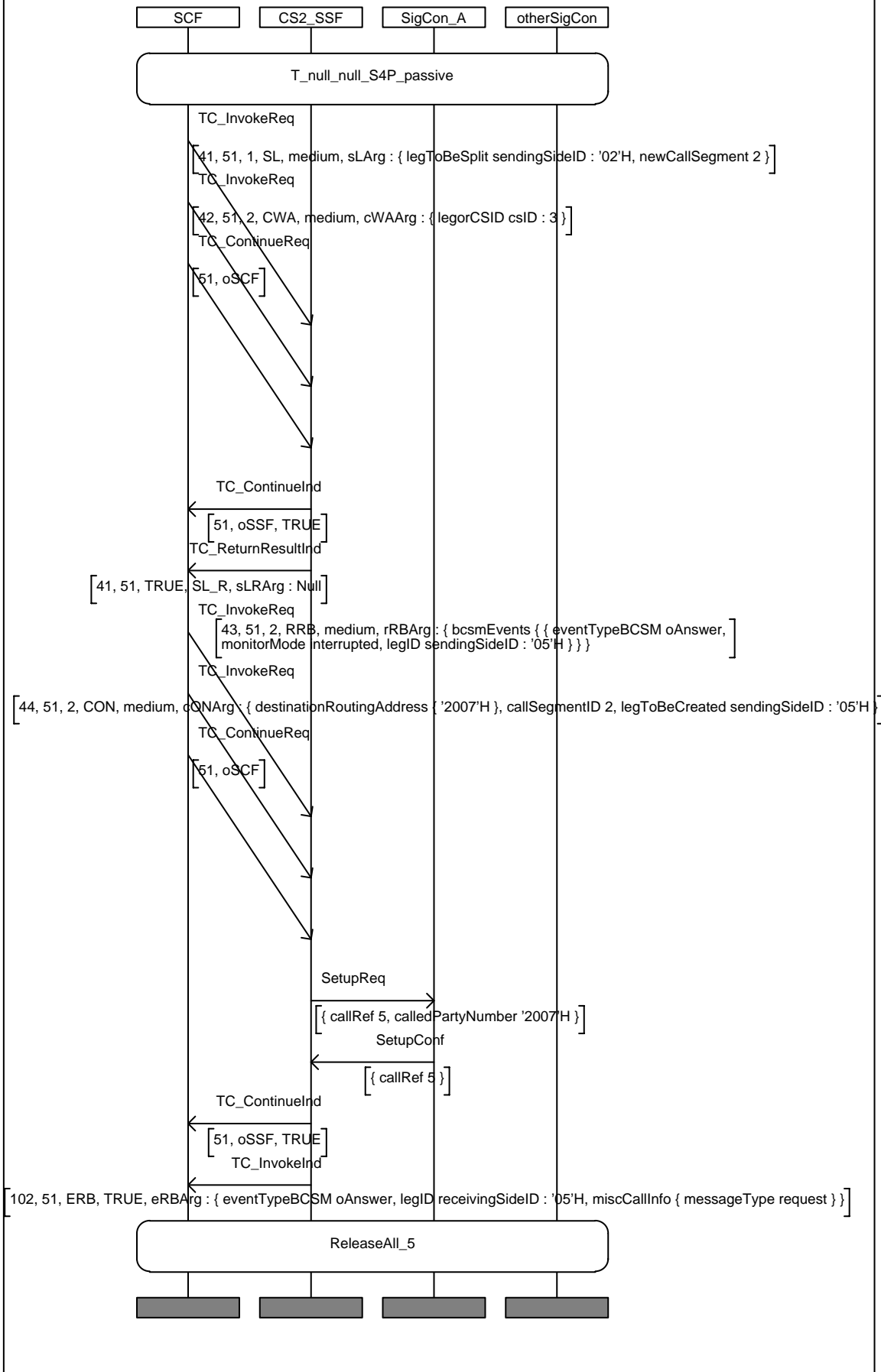


IN2_A_CPH_099	
Purpose:	Check that a single event oSuspended is reported
Requirement ref	
Selection Cond.	
Preamble:	T_null_null_S4P
Test description	L1! SplitLeg(2,2) L1? SplitLegReturnResult L1! ContinueWithArgument(CsId=3) L1! RRB(5, interrupted, oSuspend) L1! Connect(5,2) CP1_5? SetUpReq CP1_5! SetUpConf CP1_5! NetworkSuspendInd
Pass criteria	L1? ERB(5,interrupted, oSuspend)
Postamble:	ReleaseAll_5

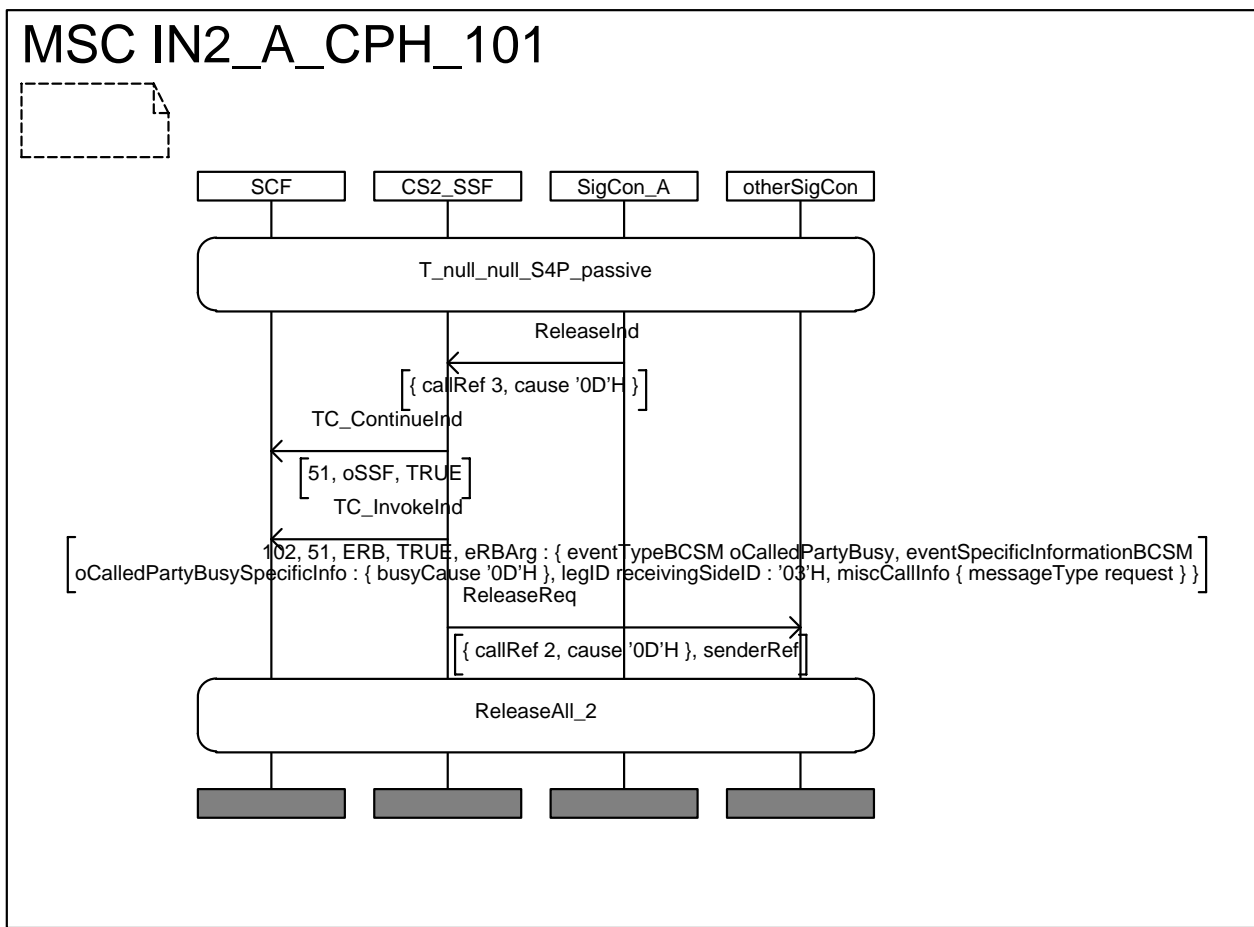


IN2_A_CPH_100	
Purpose:	Check that a single event oAnswer is reported
Requirement ref	
Selection Cond.	
Preamble:	T_null_null_S4P
Test description	L1! SplitLeg(2,2) L1? SplitLegReturnResult L1! ContinueWithArgument(CsId=3) L1! RRB(5, interrupted, oAnswer) L1! Connect(5,2) CP1_5? SetUpReq CP1_5! SetUpConf
Pass criteria	L1? ERB(5,interrupted, oAnswer)
Postamble:	ReleaseAll_5

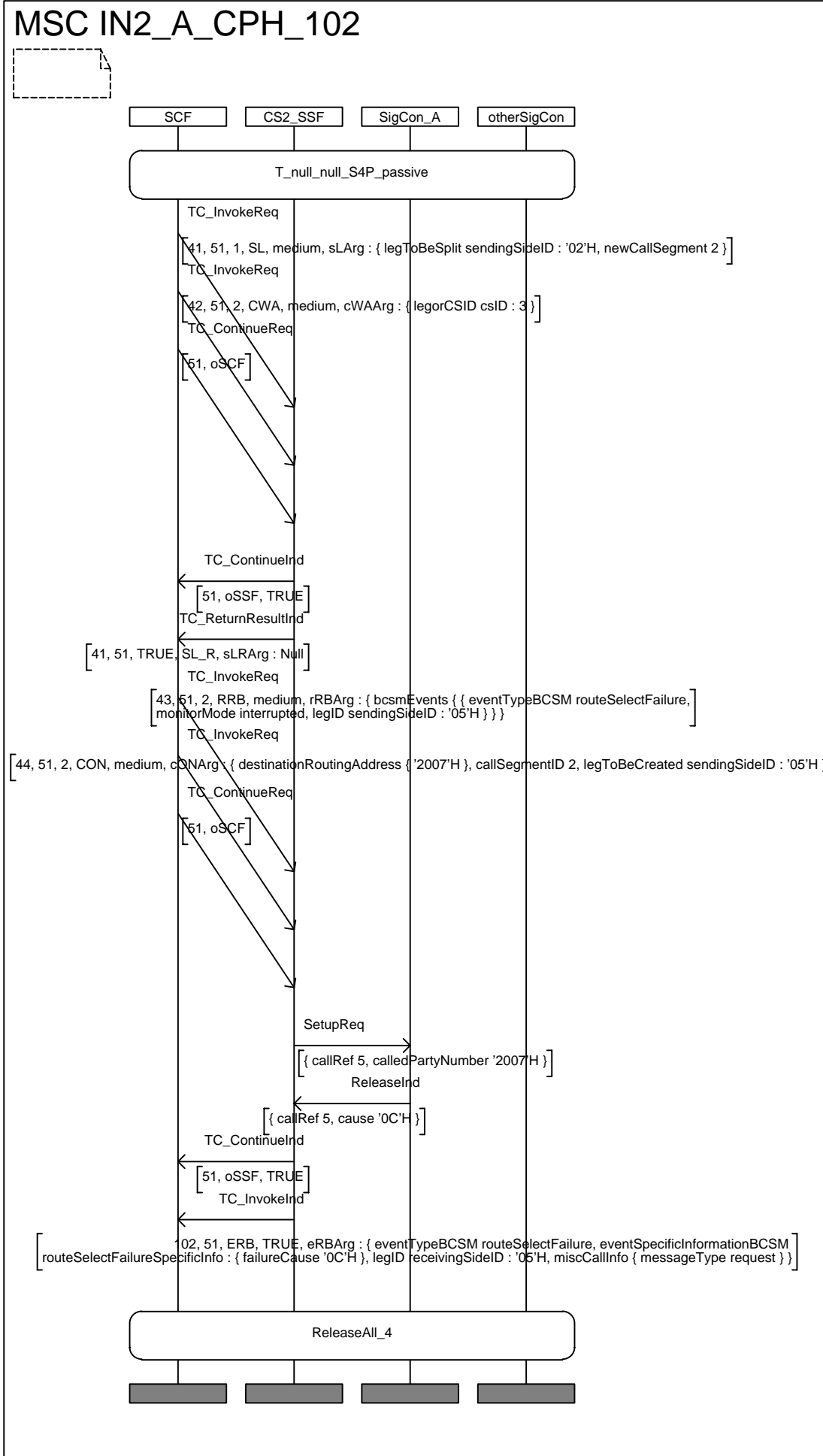
MSC IN2_A_CPH_100



IN2_A_CPH_101	
Purpose:	Check that a single event oCalledPartyBusy is reported
Requirement ref	
Selection Cond.	
Preamble:	T_null_null_S4P_passive
Test description	CP1_3! ReleaseInd (Busy cause)
Pass criteria	L1? ERB(3, notify, oCalledPartyBusy)
Postamble:	ReleaseAll_2

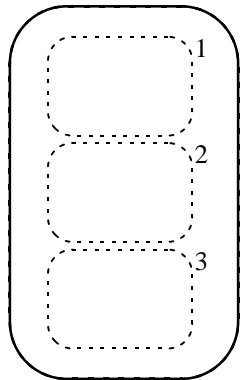


IN2_A_CPH_102	
Purpose:	Check that a single event routeSelectFailure is reported
Requirement ref	
Selection Cond.	
Preamble:	T_null_null_S4P
Test description	L1! SplitLeg(2,2) L1? SplitLegReturnResult L1! ContinueWithArgument(CsId=3) L1! RRB(5, interrupted, routeSelectFailure) L1! Connect(5,2) CP1_5?SetupReq CP1_5! ReleaseInd (routeSelectFailure cause)
	L1? ERB(5, interrupted, routeSelectFailure)
Postamble:	ReleaseAll_4



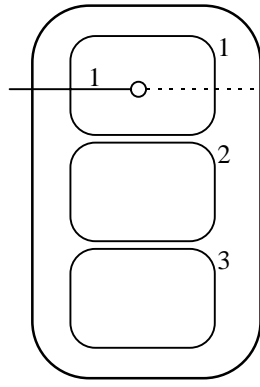
Annex A (normative): Preamble trees

Terminating Preamble (1)



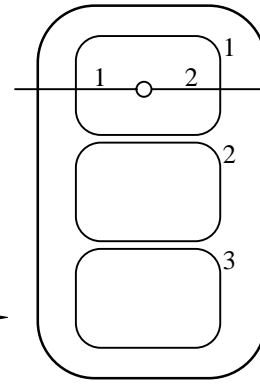
T_null_null_null

CP1-1? SetupInd
L1? IDP(termAttemptAuthorized)



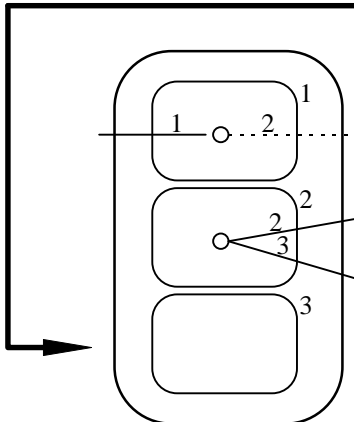
T_TS_null_null

L1! RRB(1,tDisconnect)
L1! CWA(csId=1)
CP1-2? SetupReq



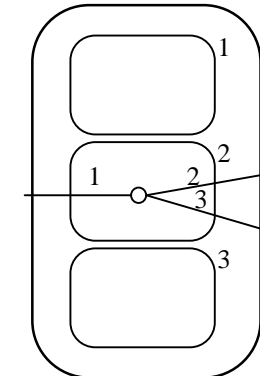
T_S2P_null_null

L1! SL(2,2)
L1? SL_R
L1! RRB(3,tDisconnect)



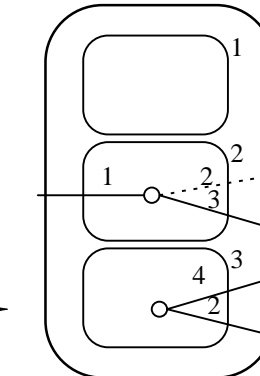
T_OH1_S2P_null

CP1-2! SetupConf
L1! MC(1,2)



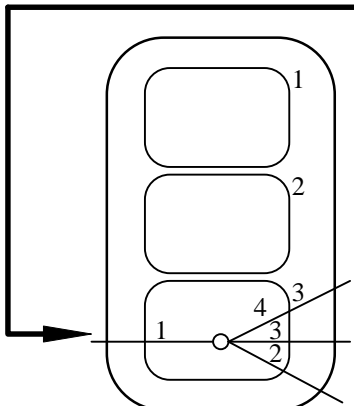
T_null_S3P_null

L1! SL(2,3)
L1? SL_R
L1! RRB(4,tDisconnect)

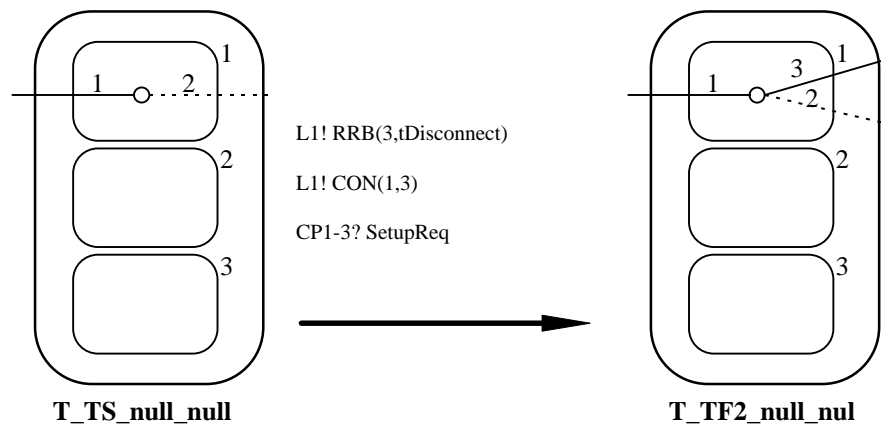


T_null_OH2_S2P

L1! MC(2,3)
L1? MC_R



T_null_null_S4P

Terminating Preamble (2)

Annex B (normative): TCAP Parameter values

Table B.1: Parameter values

Item	Parameter	Parameter type	Explanation	Value
	PIX_Invokeld	InvokeIDType	Direction SCF ->SSF Direction SSF->SCF	1-100 101-200
	PIX_DialogueId	DialogueIDType	Direction SCF ->SSF Direction SSF->SCF	1-50 51-100

For the purpose of documenting the MSCs, specially for complex configuration involved in CPH, the following values are used, in order to use unique values for every Id:

INVOKE ID:

- In O_PREAMBLES: from 1 to 39;
- In T_PREAMBLES: from 1 to 39;
- In I_PREAMBLES: from 1 to 39;
- In TEST PURPOSES: from 41 to 90;
- In POSTAMBLES: from 91 to 100.

DIALOG ID:

- When using O_PREAMBLES: value 51;
- When using T_PREAMBLES: value 51;
- When using I_PREAMBLES: value 40.

Annex C (normative): Core INAP Parameter values

Table C.1: Parameter values

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

Item	Parameter	Parameter type	Explanation/Format	Value
	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

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