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**Intelligent Network (IN);
Intelligent Network Capability Set 3 (CS3);
Intelligent Network Application Protocol (INAP);
Test Suite Structure and Test Purposes (TSS&TP)
specification for Service Switching Function (SSF);
Part 2: Call Party Handling (CPH)**



Reference

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Foreword

This European Standard (Telecommunications series) has been produced by ETSI Technical Committee Services and Protocols for Advanced Networks (SPAN).

The present document is part 2 of a multi-part deliverable covering the Intelligent Network Capability Set 3 (CS3); Intelligent Network Application Protocol (INAP); Test Suite Structure and Test Purposes (TSS&TP) specification for Service Switching Function (SSF), as identified below:

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

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1 Scope

The present document contains the Test Suite Structure and Test Purposes (TSS&TP) for Call Party Handling (CPH), part of CoreINAP CS-3.

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

The present document is completed by other parts constituting the testing of the CS3 Core INAP specifications: EN 301 931-1 [1] (Call party handling functions) and EN 301 933-3 [6] (Specialized resource functions).

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

2 References

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

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

Referenced documents which are not found to be publicly available in the expected location might be found at <http://docbox.etsi.org/Reference>.

- [1] ETSI EN 301 931-1: "Intelligent Network (IN); Intelligent Network Capability Set 3 (CS3); Intelligent Network Application Protocol (INAP); Protocol specification; Part 1: Common aspects".
- [2] ETSI EN 301 931-2: "Intelligent Network (IN); Intelligent Network Capability Set 3 (CS3); Intelligent Network Application Protocol (INAP); Protocol specification; Part 2: SCF-SSF interface".
- [3] ETSI EN 301 931-3: "Intelligent Network (IN); Intelligent Network Capability Set 3 (CS3); Intelligent Network Application Protocol (INAP); Protocol specification; Part 3: SCF-SRF interface".
- [4] ETSI EN 301 931-4: "Intelligent Network (IN); Intelligent Network Capability Set 3 (CS3); Intelligent Network Application Protocol (INAP); Protocol specification; Part 4: SDLs for SCF-SSF interface".
- [5] ETSI EN 301 933-1: "Intelligent Network (IN); Intelligent Network Capability Set 3 (CS3); Intelligent Network Application Protocol (INAP); Test Suite Structure and Test Purposes (TSS&TP) specification for Service Switching Function (SSF); Part 1: Basic capability set of CS3".
- [6] ETSI EN 301 933-3: "Intelligent Network (IN); Intelligent Network Capability Set 3 (CS3); Intelligent Network Application Protocol (INAP); Test Suite Structure and Test Purposes (TSS&TP) specification for Service Switching Function (SSF); Part 3: Specialized Resource Function (SRF)".
- [7] Void.
- [8] ISO/IEC 9646-1: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General concepts".

- [9] ISO/IEC 9646-2: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 2: Abstract Test Suite specification".
- [10] ITU-T Recommendation Q.1224: "Distributed functional plane for intelligent network Capability Set 2".

3 Definitions and abbreviations

3.1 Definitions

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

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

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

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

3.2 Abbreviations

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

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

4 Test Purpose generalities

4.1 Introduction

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

4.2 Grouping of Test Purposes per elementary procedures

The Test Purposes are grouped by elementary procedures. A procedure groups elementary INAP operations which it is possible to test together. For each elementary procedure, are defined: how to invoke it; and what are the possible return results and return error(s) at the INAP interface.

NOTE: Some have no results at all at this INAP interface. In these cases, and to have a "visible" result, the PCO will be at the signalling control interface.

4.3 Source of Test Purpose definitions

The Test Purposes are based on the requirement documented in EN 301 931-1 [1] and EN 301 931-2 [2].

4.4 Method used for developing TPs

4.4.1 Use of MSCs generated by the SDL model of Core INAP CS3

The SDL model of INAP CS3 is specified with object oriented SDL (SDL"92") and specifies the behaviour of the SSF. The CS3 specification inherits the CS-1 and specifies the whole of CS-1 and CS-2. The SDL specification is the normative specification of the INAP behaviour and is contained in EN 301 931-4 [4].

The SDL model specifies precisely and unambiguously the behaviour of and the interworking between the different functional entities of the SSF. The external interfaces of the SDL model are two signalling control interfaces (SigConA and SigConB) carrying abstract primitives, and the INAP interfaces to the SCF. Mappings are provided from SigConA and SigConB to DSS.1 and ISUP. The behaviour of the SDL model thus resembles an SSP, and can be used for service emulation and the development of Test Purposes and test cases. MSCs delivered by this SDL model are used in the TP definition and are provided in addition to the descriptive text.

The development of the Test Purposes (TP) is done in two steps:

- a) the descriptive text is created together with a rough MSC defined by hand. It illustrates the basic behaviour in MSC-like form which is expected from the IUT. The rough MSC does not contain all the constraints in detail. The description makes reference to a preamble and a postamble;
- b) a detailed MSC is developed by simulation:
 - 1) system level MSC for Autolink (the tool used to automatically generate the TTCN test cases based on the MSCs and the SDL model);
 - 2) MSC for documentation of the TPs.

The reason for developing the detailed MSC by simulation is that it can be done step by step while the SDL model prompts the developer for the correct options and parameters.

The MSCs identify the different entities (SSF, SCF, SigCon A and B) involved in a given configuration and shows the different components used for a test, in term of the IUT (representing the SSF for instance) and the testers (representing the SCF and the SigCon A, B or C).

4.4.2 TCAP adapter primitives

In addition to showing the INAP protocol, and in order to ease the implementation of the test suite, the MSCs show the TCAP adapter primitives such as TC begin, TC continue, TC invoke and TC end and show using standard abbreviations the INAP operations which are embedded in the TCAP primitive, together with the operation arguments.

4.4.3 Generation of corresponding Test Cases

Using Computer Aided Test Generation techniques, TTCN test cases can be automatically generated from the SDL model. It is also possible to verify manually developed test cases against the SDL model.

4.5 Method used for TP description

4.5.1 Text and MSCs

In general, a TP is described using text presented in a table followed by an MSC.

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

Table 1: Test purpose description sample

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

The MSC which follows the TP description describes the test body, as the preambles and postambles are mostly defined by a single line in the MSC.

4.5.2 Test categories

Valid Behaviour tests (BV)

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

Invalid Behaviour tests (BI)

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

Inopportune Behaviour tests (BO)

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

4.5.3 Test purpose naming convention

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

Table 2: TP identifier naming convention scheme

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

4.5.4 Preambles and their naming conventions

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

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

The general form is:

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

where:

a is letter:

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

The state names and their abbreviations used are:

Null

1_Party 1P

Originating_Set-up OS

Terminating_Set-up TS

Originating_1_Party_Setup O1PS

Stable_1_Party S1P

Stable_2_Party S2P

Forward FW

Stable_Multi_Passive_Party (no. of passive legs n) SnPP

Stable_Multi_Party (no. of passive legs n) SnP

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

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

4.5.5 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 parameters for the TCAP protocol is recalled here for each TCAP primitives. Note that only mandatory parameters are used.

TCAP primitives from SCF to SSF:

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

TC_BeginReq (DialogueID, OriginatingAddress);

TC_ContinueReq (DialogueID, OriginatingAddress);

TC_EndReq (DialogueID, Termination);

TC_AbortReq (DialogueID).

TCAP primitives from SSF to SCF:

TC_InvokeInd (InvokeID, DialogueID, OperationCode, OperationArg, 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.

Some preambles contain references to an ASP Mgt_SetTriggerTable. This does not exist in the protocol, but in the SDL model it allows which Trigger Detection points need to be set before commencing the test case.

5 Test configuration

Figure 1 shows the test configuration assumed for the CPH Test Purposes.

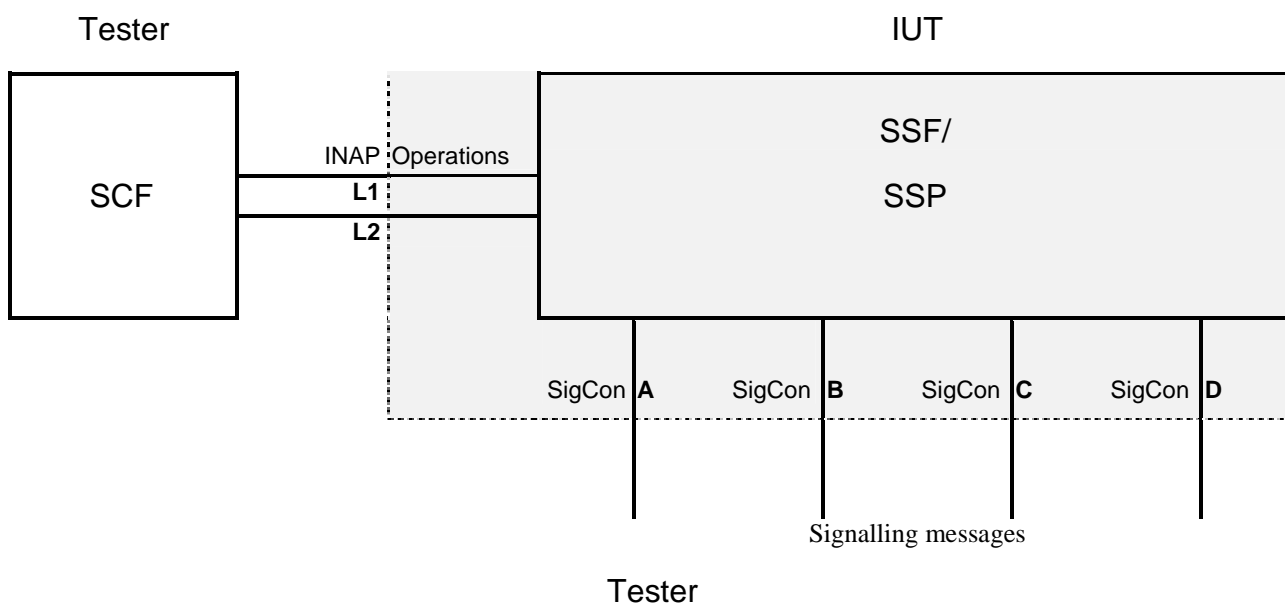


Figure 1: Test configuration for the CPH Test Purposes

This test configuration covers a single SCP and a single SSP, where the SCP is simulated by the tester and the SSF is the implementation under test (IUT).

INAP PDUs (operations) are exchanged between the tester and the IUT across the interface named **L1** (or L2 etc.), which corresponds to a PCO in the TTCN-like notation used for the description of the test behaviour (see clause 6.4.2). INAP PDUs are embedded in TCAP messages as described in clause 10 of EN 301 931-1 [1] and clause 15 of EN 301 931-2 [2].

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

NOTE: Test configurations including SRF entities are defined in EN 301 933-3 [6].

6 Overview of TSS and TP for CPH functions

6.1 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 [10]):

- 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 functionality of the individual CPH operations;
- 2) TP for the test of mixed CPH capabilities: a group of TPs that tests the switch capability of handling different calls at the same time;
- 3) Arming/Detecting rules.

6.2 CPH procedures

6.2.1 List of procedures for CPH

| | |
|------|---|
| CCSA | CreateCallSegmentAssociation |
| CWA | ContinueWithArgument |
| DL | DisconnectLeg |
| MECS | MergeCallSegments |
| ML | MoveLeg |
| MOCS | MoveCallSegments |
| RC | ReleaseCall (CPH complement to BASIC TPs) |
| RRB | RequestReportBCSMEEvent (CPH complement to BASIC TPs) |
| SL | SplitLeg |

6.2.2 Definitions of the CPH procedures

General procedures

6.2.2.1 ContinueWithArgument procedure

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

6.2.2.2 ReleaseCall procedure

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

Procedures dealing with Legs of CallSegments

See also `Connect` and `Continue` (from EN 301 933-1 [5]).

6.2.2.3 SplitLeg procedure

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

6.2.2.4 DisconnectLeg procedure

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

6.2.2.5 MoveLeg procedure

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

Procedures dealing with CallSegments

See also `splitLeg`, `continueWithArgument`.

6.2.2.6 MergeCallSegments procedure

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

Procedures dealing with Call Segment Associations

6.2.2.7 CreateCallSegmentAssociation

Invoke: `CreateCallSegmentAssociation`
 Return Result: `CreateCallSegmentAssociation`
 Return Error: `CreateCallSegmentAssociation`

6.2.2.8 MoveCallSegments

Invoke: `MoveCallSegments`
 Return Result: `None`
 Return Error: `MoveCallSegments`

6.3 Structure of the test suite (TSS) for CPH

Table 3 shows the structure of the test suites for the test of CPH procedures in the SSF and the number of Test Purposes produced.

Table 3: Test suite structure for testing the CPH procedures

| Procedure/Group | Group identifier | Category | Number |
|------------------------------|------------------|----------|--------|
| MergeCallSegments | IN3_A_CPH_MECS | BV | 25 |
| | | BI | 4 |
| | | BO | 3 |
| ReleaseCall | IN3_A_CPH_RC | BV | 6 |
| | | BI | 0 |
| | | BO | 0 |
| DisconnectLeg | IN3_A_CPH_DL | BV | 12 |
| | | BI | 2 |
| | | BO | 2 |
| MoveLeg | IN3_A_CPH_ML | BV | 14 |
| | | BI | 4 |
| | | BO | 7 |
| RequestReportBCSMEvent | IN3_A_CPH_RRB | BV | 2 |
| | | BI | 0 |
| | | BO | 0 |
| SplitLeg | IN3_A_CPH_SL | BV | 8 |
| | | BI | 4 |
| | | BO | 9 |
| ContinueWithArgument | IN3_A_CPH_CWA | BV | 2 |
| | | BI | 2 |
| | | BO | 1 |
| CreateCallSegmentAssociation | IN3_A_CPH_CCSA | BV | 3 |
| | | BI | 1 |
| | | BO | 0 |
| MoveCallSegments | IN3_A_CPH_MOCS | BV | 22 |
| | | BI | 12 |
| | | BO | 6 |
| Mixed Capabilities | IN3_A_CPH_MIX | | 31 |
| | | | 0 |
| | | | 0 |
| Arming and dection rules | IN3_A_CPH_ARM | | 38 |
| | | | 0 |
| | | | 0 |
| Total: | | | 221 |

6.4 Notations

6.4.1 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 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 a unique correspondence between a legID and a BCSM.

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

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, the naming convention indicated in clause 4.5 is used.

6.4.2 TTCN-like notation for preamble, test case and postamble description

The notation used to describe the trees containing the required INAP operations and signalling control primitives, is a TTCN-like notation, showing what is sent (character !) and received (character ?) by the main tester (playing the role of the SCF).

The IUT is an SSF while the main lower tester represents an SCF.

The PCO-like notations **L1** or **L2** are used to send and receive INAP operations. L2 is only used with call-related operations acting on the 2nd CallSegmentAssociation, when applicable. L1 is used with non-call-related operations and with call-related operations acting on the 1st CallSegmentAssociation.

The co-ordination points (CPs) address the Signalling Control entities (SigConX, X=A, B, C etc.) of the legs in the related Call Segment Association. The "related" Call Segment Associations are indexed by their order of creation in a test case.

CP1_1 addresses SigConA in CSA1, CP1_4 addresses SigConD in CSA1, CP2_1 addresses SigConB in CSA2, etc.

Most of the Test Purposes are related to a single Call Segment Association. In the textual descriptions terms like SigConB are then used without ambiguity. When more than one Call Segment Association is used, the textual descriptions employ terms like SigConB2 (SigConB in CSA2) instead.

NOTE: With successful execution of the MoveCallSegments operation, the legIDs and the names of the associated Signalling Control entities are changed.

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.

Each Test Purpose description shows the state from where it starts by identifying a preamble.

6.4.3 Representation of preambles, postambles 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 number 3, etc.

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

6.4.4.1 General

The MSCs show the exchanges of PDUs of the TCAP protocol, as well as the Core INAP protocol and the signalling connection service primitives. PDUs of both protocols and the service primitives generally make use of parameters.

The complete list of the parameters for the Core INAP protocol is given in clause 12 of EN 301 931-2 [2]. Only a limited list of parameters is used in the MSCs, as described in clause 6.4.4.2.

6.4.4.2 INAP operation parameters and their values

Each preamble, Test Purpose description and postamble uses a limited set of operations (listed below) with the indication of the main parameters used:

- IDP (Initial Detection Point): trigger;
- CCSA (CreateCallSegmentAssociation): newCsaID (in ReturnResult)
- CWA (ContinueWithArgument): legID or csID;
- CON (Connect): legToBeCreated (default = 2), csID;
- DL (DisconnectLeg): legToBeReleased
- ERB (EventReportBCSM): legID, eventTypeBCSM.

NOTE 1: The presence of the legID is required for some eventTypes (e.g.oDisconnect), and is optional for other eventTypes. When the legID is not shown in connection with an ERB operation, the presence is considered to be optional.

- ICA (InitiateCallAttempt): legToBeCreated (default = 1), newCallSegment (default = 1);
- MECS (MergeCallSegments): sourceCallSegment, targetCallSegment;
- MOCS (MoveCallSegments): targetCSA, {sourceCS, newCS}+, {sourceLeg, newLeg}+
- RRB (RequestReportBCSMEvent): legID, monitorMode, eventTypeBCSM.
- SL (SplitLeg): legToBeSplit, newCallSegmentID;
- CIRQ (CallInformationRequest): legID;
- CIRP (CallInformationReport): legID;
- ACRQ (ApplyChargingRequest): legID;

NOTE 2: The releaseWhenLimitReached parameter should not be specified.

- ML (MoveLeg): legID to be moved, TargetCallSegment;
- ACRP (ApplyChargingReport): legID.

Each operation shows the value of the required parameters, knowing that the leg numbers successively take the values 1, 2, 3, etc. (in case of an ICA performed in a CSA without CSs, leg numbering normally starts with 2).

In the case of CS, the same number is reused when a CS returns to idle following a MergeCallSegments operation (except for the initialCS, the ID of which cannot be re-used).

6.4.4.3 Cause values related to signalling connection release messages

The following cause value indications appear in the TPs:

- Normal clearing
Cause recognized with a clearing event detected at the O_Disconnect or T_Disconnect DP;
- Busy cause;
- RouteSelectFailure cause.

6.4.4.4 TCAP operation parameters and their values

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 SSF:

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

TC_BeginReq (DialogueID, OriginatingAddress);

TC_ContinueReq (DialogueID, OriginatingAddress);

TCAP primitives from SSF to SCF:

TC_InvokeInd (InvokeID, DialogueID, OperationCode, OperationArg, 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.

7 Preambles and postambles for CPH

7.1 Preamble descriptions

7.1.1 Originating preamble trees

7.1.1.1 Preamble O_OS_null_null

O_null

CP1_1!SetUpInd

L1?InitialDP

O_OS_null_null

7.1.1.2 Preamble O_OSA_null_null

O_OS_null_null

L1!RequestReportBCSMEEvent(1,interrupted,oDisconnect)

L1!RequestReportBCSMEEvent(2,notifyAndContinue,oDisconnect)

L1!Connect(2,1)

CP1_2?SetUpReq

O_OSA_null_null

7.1.1.3 Preamble O_S2P_null_null

O_OS_null_null

L1!RequestReportBCSMEEvent(1,interrupted,oDisconnect)
 L1!RequestReportBCSMEEvent(2,notifyAndContinue,oDisconnect)
 L1!Connect(2,1)
 CP1_2?SetUpReq
 CP1_2!SetUpConf
 CP1_1?SetUpResp

O_S2P_null_null

7.1.1.4 Preamble O_S1P_1P_null

O_S2P_null_null

L1!SplitLeg(1,2)
 L1?SplitLegReturnResult

O_S1P_1P_null

7.1.1.5 Preamble O_S1P_OS_null

O_S2P_null_null

L1!SplitLeg(1,2)
 L1?SplitLegReturnResult
 L1!RequestReportBCSMEEvent(3,notifyAndContinue,oDisconnect)
 L1!Connect(3,2)
 CP1_3?SetUpReq

O_S1P_OS_null

7.1.1.6 Preamble O_S1P_OSB_null

O_S2P_null_null

L1!SplitLeg(1,2)
 L1?SplitLegReturnResult
 L1!RequestReportBCSMEEvent(3,notifyAndContinue,oDisconnect)
 L1!RequestReportBCSMEEvent(3,interrupted,oCalledPartyBusy)
 L1!Connect(3,2)
 CP1_3?SetUpReq
 CP1_3!ReleaseInd(Busy cause)
 L1?EventReportBCSM(3,oCalledPartyBusy)

O_S1P_OSB_null

7.1.1.7 Preamble O_S1P_S2P_null

O_S2P_null_null

L1!SplitLeg(1,2)

L1?SplitLegReturnResult

L1!RequestReportBCSMEvent(3,notifyAndContinue,oDisconnect)

L1!Connect(3,2)

CP1_3?SetUpReq

CP1_3!SetUpConf

O_S1P_S2P_null

7.1.1.8 Preamble O_S1P_S1P_S2P

O_S1P_S2P_null

L1!SplitLeg(1,3)

L1?SplitLegReturnResult

L1!RequestReportBCSMEvent(4,notifyAndContinue,oDisconnect)

L1!Connect(4,3)

CP1_4?SetUpReq

CP1_4!SetUpConf

O_S1P_S1P_S2P

7.1.1.9 Preamble O_null_S2PP_S2P

O_S1P_S1P_S2P

L1!MergeCallSegments(1,2)

L1?MergeCallSegments ReturnResult

L1!ContinueWithArgument(csID=2)

O_null_S2PP_S2P

7.1.1.10 Preamble O_null_null_S4P

O_null_S2PP_S2P

L1!MergeCallSegments(2,3)

L1?MergeCallSegments ReturnResult

L1!ContinueWithArgument(csID=3)

O_null_null_S4P

7.1.1.11 Preamble O_null_S2P_S3PP

O_null_null_S4P

L1!SplitLeg(1,2)

L1?SplitLegReturnResult

L1!RequestReportBCSMEvent(5,notifyAndContinue,oDisconnect)

L1!Connect(5,2)

CP1_5?SetUpReq

CP1_5!SetUpConf

O_null_S2P_S3PP

7.1.1.12 Preamble O_null_S1P_S3PP_S2P

O_null_S2P_S3PP

L1!SplitLeg(1,4)

L1?SplitLegReturnResult

L1!RequestReportBCSMEvent(6,notifyAndContinue,oDisconnect)

L1!Connect(6,4)

CP1_6?SetUpReq

CP1_6!SetUpConf

O_null_S1P_S3PP_S2P

7.1.1.13 Preamble O_null_S3P_S3PP

O_null_S1P_S3PP_S2P

L1!MergeCallSegments(4,2)

L1?MergeCallSegments ReturnResult

L1!ContinueWithArgument(csID=2)

O_null_S3P_S3PP

7.1.1.14 Preamble O_null_S2PP_S3PP_S2P

O_null_S3P_S3PP

L1!SplitLeg(1, 4)

L1?SplitLegReturnResult

L1!RequestReportBCSMEvent(7,notifyAndContinue,oDisconnect)

L1!Connect(7,4)

CP1_7?SetUpReq

CP1_7!SetUpConf

O_null_S2PP_S3PP_S2P

7.1.1.15 Preamble O_null_S4P_S3PP

O_null_S2PP_S3PP_S2P

L1!MergeCallSegments(4,2)

L1?MergeCallSegments ReturnResult

L1!ContinueWithArgument(csID=2)

O_null_S4P_S3PP

7.1.1.16 Preamble O_null_S3PP_S3PP_S2P

O_null_S4P_S3PP

L1!SplitLeg(1,4)

L1?SplitLegReturnResult

L1!RequestReportBCSMEEvent(8,notifyAndContinue,oDisconnect)

L1!Connect(8,4)

CP1_8?SetUpReq

CP1_8!SetUpConf

O_null_S3PP_S3PP_S2P

7.1.1.17 Preamble O_null_S3P_null

O_S1P_S2P_null

L1!MergeCallSegments(1,2)

L1?MergeCallSegments ReturnResult

L1!ContinueWithArgument(csID=2)

O_null_S3P_null

7.1.2 Terminating preamble trees

7.1.2.1 Preamble T_TS_null_null

T_null_null_null

CP1_1!SetUpInd

L1?IDP(termAttemptAuthorized)

T_TS_null_null

7.1.2.2 Preamble T_TSA_null_null

T_TS_null_null

L1!RequestReportBCSMEEvent(1,interrupted,tDisconnect)

L1!ContinueWithArgument(legID=1)

CP1_2?SetUpReq

T_TSA_null_null

7.1.2.3 Preamble T_TSB_S1P_null

T_TS_null_null

L1!RequestReportBCSMEEvent(1,notifyAndContinue,tDisconnect)
 L1!RequestReportBCSMEEvent(2,interrupted,tBusy)
 L1!ContinueWithArgument(legID=1)
 CP1_2?SetUpReq
 CP1_2!ReleaseInd(Busy cause)
 L1?EventReportBCSM(2,tBusy)
 L1!InitiateCallAttempt(3,2)
 L1!RequestReportBCSMEEvent(3,notifyAndContinue,oDisconnect)
 L1!ContinueWithArgument (legID=3)
 CP1_3?SetUpReq
 CP1_3!SetUpConf

T_TSB_S1P_null

7.1.2.4 Preamble T_S2P_null_null

T_TS_null_null

L1!RequestReportBCSMEEvent(1,interrupted,tDisconnect)
 L1!ContinueWithArgument(legID=1)
 CP1_2?SetUpReq
 CP1_2!SetUpConf
 CP1_1?SetUpResp

T_S2P_null_null

7.1.2.5 Preamble T_1P_FW_null

T_S2P_null_null

L1!SplitLeg(1,2)
 L1?SplitLegReturnResult
 L1!RequestReportBCSMEEvent(3,notifyAndContinue,oDisconnect)
 L1!RequestReportBCSMEEvent(3,interrupted,oCalledPartyBusy)
 L1!Connect (3,2)
 CP1_3?SetUpReq
 CP1_3!ReleaseInd(Busy cause)
 L1?EventReportBCSM(3,oCalledPartyBusy)

T_1P_FW_null

7.1.2.6 Preamble T_S2P_S1P_null

T_S2P_null_null

L1!InitiateCallAttempt(3,2)

L1!RequestReportBCSMEEvent(3,notifyAndContinue,oDisconnect)

L1!ContinueWithArgument (legID=3)

CP1_3?SetUpReq

CP1_3!SetUpConf

T_S2P_S1P_null

7.1.2.7 Preamble T_null_S3P_null

T_S2P_S1P_null

L1!MergeCallSegments(1,2)

L1?MergeCallSegments ReturnResult

L1!ContinueWithArgument(csID=2)

T_null_S3P_null

7.1.2.8 Preamble T_null_S2PP_S2P

T_null_S3P_null

L1!InitiateCallAttempt(4,3)

L1!RequestReportBCSMEEvent(4,notifyAndContinue,oDisconnect)

L1!ContinueWithArgument(legID=4)

CP1_4?SetUpReq

CP1_4!SetUpConf

L1!MoveLeg(2,3)

L1?MoveLeg ReturnResult

L1!ContinueWithArgument(csID=2)

L1!ContinueWithArgument(csID=3)

T_null_S2PP_S2P

7.1.2.9 Preamble T_null_null_S4P

T_null_S2PP_S2P

L1!MergeCallSegments(2,3)

L1?MergeCallSegments ReturnResult

L1!ContinueWithArgument(csID=3)

T_null_null_S4P

7.1.3 InitiateCallAttempt preamble trees

7.1.3.1 Preamble I_OS1_null_null

null

L1!InitiateCallAttempt(2,1)

L1!RequestReportBCSMEEvent(2,interrupted,oDisconnect)

L1!ContinueWithArgument(legID=2)

CP1_2?SetUpReq

I_OS1_null_null

7.1.3.2 Preamble I_S1P_null_null

null

L1!InitiateCallAttempt(2,1)

L1!RequestReportBCSMEEvent(2,interrupted,oDisconnect)

L1!ContinueWithArgument(legID=2)

CP1_2?SetUpReq

CP1_2!SetUpConf

I_S1P_null_null

7.1.3.3 Preamble I_S1P_S1P_null

I_S1P_null_null

L1!InitiateCallAttempt(3,2)

L1!RequestReportBCSMEEvent(3,notifyAndContinue,oDisconnect)

L1!ContinueWithArgument(legID=3)

CP1_3?SetUpReq

CP1_3!SetUpConf

I_S1P_S1P_null

7.1.3.4 Preamble I_S1P_S1P_S1P

I_S1P_S1P_null

L1!InitiateCallAttempt(4,3)

L1!RequestReportBCSMEEvent(4,notifyAndContinue,oDisconnect)

L1!ContinueWithArgument(legID=4)

CP1_4?SetUpReq

CP1_4!SetUpConf

I_S1P_S1P_S1P

7.1.3.5 Preamble I_null_S2PP_S1P

I_S1P_S1P_S1P

L1!MergeCallSegments(1,2)

L1?MergeCallSegments ReturnResult

L1!ContinueWithArgument(csID=2)

I_null_S2PP_S1P

7.1.3.6 Preamble I_null_null_S3PP

I_null_S2PP_S1P

L1!MergeCallSegments(2,3)

L1?MergeCallSegments ReturnResult

L1!ContinueWithArgument(csID=3)

I_null_null_S3PP

7.1.3.7 Preamble I_null_S2PP_null

I_S1P_S1P_null

L1!MergeCallSegments(1,2)

L1?MergeCallSegments ReturnResult

L1!ContinueWithArgument(csID=2)

I_null_S2PP_null

7.1.3.8 Preamble I_S1P_FW_null

I_S1P_null_null

L1!InitiateCallAttempt(3,2)

L1!RequestReportBCSMEvent(3,interrupted,oAnswer)

L1!RequestReportBCSMEvent(3,notifyAndContinue,oDisconnect)

L1!ContinueWithArgument(legID=3)

CP1_3?SetUpReq

CP1_3!SetUpConf

L1?EventReportBCSM(3,oAnswer)

L1!RequestReportBCSMEvent(4,interrupted,oCalledPartyBusy)

L1!RequestReportBCSMEvent(4,notifyAndContinue,oDisconnect)

L1!Connect(4,2)

CP1_4?SetUpReq

CP1_4!ReleaseInd(Busy cause)

L1?EventReportBCSM(4,oCalledPartyBusy)

I_S1P_FW_null

7.1.4 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 similar to 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.

7.1.4.1 Preamble O_S2P_null_null_controlling

O_OS_null_null

L1!RequestReportBCSMEvent(1,interrupted,oDisconnect)

L1!RequestReportBCSMEvent(1,notifyAndContinue,oMidCall)

L1!RequestReportBCSMEvent(2,notifyAndContinue,oDisconnect)

L1!RequestReportBCSMEvent(2,notifyAndContinue,oSuspend)

L1!RequestReportBCSMEvent(2,notifyAndContinue,oMidCall)

L1!ContinueWithArgument(csID=1)

CP1_2?SetUpReq

CP1_2!SetUpConf

CP1_1?SetUpResp

O_S2P_null_null_controlling

7.1.4.2 Preamble O_S1P_S2P_null_controlling

O_S2P_null_null_controlling

L1!SplitLeg(1,2)

L1?SplitLegReturnResult

L1!RequestReportBCSMEvent(3,notifyAndContinue,oDisconnect)

L1!RequestReportBCSMEvent(3,notifyAndContinue,oSuspend)

L1!Connect (3,2)

CP1_3?SetUpReq

CP1_3!SetUpConf

O_S1P_S2P_null_controlling

7.1.4.3 Preamble O_null_S3P_null_controlling

O_S1P_S2P_null_controlling

L1!MergeCallSegments(1,2)

L1?MergeCallSegments ReturnResult

L1!ContinueWithArgument(csID=2)

O_null_S3P_null_controlling

7.1.4.4 Preamble O_null_S2PP_S2P_controlling

O_null_S3P_null_controlling

L1!SplitLeg(1,3)

L1?SplitLegReturnResult

L1!RequestReportBCSMEEvent(4,notifyAndContinue,oDisconnect)

L1!RequestReportBCSMEEvent(4,notifyAndContinue,oSuspend)

L1!Connect (4,3)

CP1_4?SetUpReq

CP1_4!SetUpConf

O_null_S2PP_S2P_controlling

7.1.4.5 Preamble O_null_null_S4P_controlling

O_null_S2PP_S2P_controlling

L1!MergeCallSegments(2,3)

L1?MergeCallSegments ReturnResult

L1!ContinueWithArgument(csID=3)

O_null_null_S4P_controlling

7.1.4.6 Preamble O_S2P_null_null_passive

O_OS_null_null

L1!RequestReportBCSMEEvent(1,notifyAndContinue,oMidCall)

L1!RequestReportBCSMEEvent(1,interrupted,oDisconnect)

L1!RequestReportBCSMEEvent(2,notifyAndContinue,oDisconnect)

L1!RequestReportBCSMEEvent(2,notifyAndContinue,oSuspend)

L1!ContinueWithArgument(csID=1)

CP1_2?SetUpReq

CP1_2!SetUpConf

CP1_1?SetUpResp

O_S2P_null_null_passive

7.1.4.7 Preamble O_S1P_OS_null_passive

O_S2P_null_null_passive

L1!SplitLeg(1,2)

L1?SplitLegReturnResult

L1!RequestReportBCSMEEvent(3,notifyAndContinue,routeSelectFailure)

L1!RequestReportBCSMEEvent(3,notifyAndContinue,oCalledPartyBusy)

L1!RequestReportBCSMEEvent(3,notifyAndContinue,oAnswer)

L1!RequestReportBCSMEEvent(3,notifyAndContinue,oDisconnect)

L1!RequestReportBCSMEEvent(3,notifyAndContinue,oSuspend)

L1!Connect(3,2)

CP1_3?SetupReq

O_S1P_OS_null_passive

7.1.4.8 Preamble O_S1P_S2P_null_passive

O_S2P_null_null_passive

L1!SplitLeg(1,2)

L1?SplitLegReturnResult

L1!RequestReportBCSMEEvent(3,notifyAndContinue,oSuspend)

L1!RequestReportBCSMEEvent(3,notifyAndContinue,oDisconnect)

L1!Connect(3,2)

CP1_3?SetupReq

CP1_3!SetupConf

O_S1P_S2P_null_passive

7.1.4.9 Preamble O_null_S3P_null_passive

O_S1P_S2P_null_passive

L1!MergeCallSegments(1,2)

L1?MergeCallSegments ReturnResult

L1!ContinueWithArgument(csID=2)

O_null_S3P_null_passive

7.1.4.10 Preamble O_null_S2PP_OS_passive

O_null_S3P_null_passive

L1!SplitLeg(1,3)

L1?SplitLegReturnResult

L1!RequestReportBCSMEEvent(4,notifyAndContinue,routeSelectFailure)

L1!RequestReportBCSMEEvent(4,notifyAndContinue,oCalledPartyBusy)

L1!RequestReportBCSMEEvent(4,notifyAndContinue,oAnswer)

L1!Connect(4,3)

CP1_4?SetUpReq

O_null_S2PP_OS_passive

7.1.4.11 Preamble O_null_S2PP_S2P_passive

O_null_S3P_null_passive

L1!SplitLeg(1,3)

L1?SplitLegReturnResult

L1!RequestReportBCSMEEvent(4,notifyAndContinue,oDisconnect)

L1!RequestReportBCSMEEvent(4,notifyAndContinue,oSuspend)

L1!Connect(4,3)

CP1_4!SetUpReq

CP1_4!SetUpConf

O_null_S2PP_S2P_passive

7.1.4.12 Preamble O_null_null_S4P_passive

O_null_S2PP_S2P_passive

L1!MergeCallSegments(2,3)

L1?MergeCallSegments ReturnResult

L1!ContinueWithArgument(csID=3)

O_null_null_S4P_passive

7.1.4.13 Preamble I_S1P_S1P_null_passive

null

L1!InitiateCallAttempt(2,1)

L1!RequestReportBCSMEEvent(2,notifyAndContinue,oSuspend)

L1!RequestReportBCSMEEvent(2,interrupted,oDisconnect)

L1!ContinueWithArgument(legID=2)

CP1_2?SetUpReq

CP1_2!SetUpConf

L1!InitiateCallAttempt(3,2)

L1!RequestReportBCSMEEvent(3,notifyAndContinue,oSuspend)

L1!RequestReportBCSMEEvent(3,notifyAndContinue,oDisconnect)

L1!ContinueWithArgument(legID=3)

CP1_3?SetUpReq

CP1_3!SetUpConf

I_S1P_S1P_null_passive

7.1.4.14 Preamble I_null_S2PP_null_passive

I_S1P_S1P_null_passive

L1!MergeCallSegments(1,2)

L1?MergeCallSegments ReturnResult

L1!ContinueWithArgument(csID=2)

I_null_S2PP_null_passive

7.1.4.15 Preamble T_TS_null_null_controlling

T_TS_null_null

L1!RequestReportBCSMEEvent(1,interrupted, tDisconnect)

L1!RequestReportBCSMEEvent(2,notifyAndContinue, tAnswer)

L1!RequestReportBCSMEEvent(2,notifyAndContinue, tCalledPartyBusy)

L1!RequestReportBCSMEEvent(2,notifyAndContinue, tNoAnswer)

L1!RequestReportBCSMEEvent(2,notifyAndContinue, tDisconnect)

L1!RequestReportBCSMEEvent(2,notifyAndContinue, tMidCall)

L1!RequestReportBCSMEEvent(2,notifyAndContinue, tSuspend)

L1!ContinueWithArgument(csID=1)

CP1_2?SetUpReq

T_TS_null_null_controlling

7.1.4.16 Preamble T_S2P_null_null_controlling

T_TS_null_null

L1!RequestReportBCSMEEvent(1,interrupted, tDisconnect)

L1!RequestReportBCSMEEvent(2,notifyAndContinue, tCalledPartyBusy)

L1!RequestReportBCSMEEvent(2,notifyAndContinue, tNoAnswer)

L1!RequestReportBCSMEEvent(2,notifyAndContinue, tDisconnect)

L1!RequestReportBCSMEEvent(2,notifyAndContinue, tMidCall)

L1!RequestReportBCSMEEvent(2,notifyAndContinue, tSuspend)

L1!ContinueWithArgument(csID=1)

CP1_2?SetUpReq

CP1_2!SetUpConf

CP1_1?SetUpResp

T_S2P_null_null_controlling

7.1.4.17 Preamble T_S2P_S1P_null_controlling

T_S2P_null_null_controlling

L1!InitiateCallAttempt(3,2)

L1!RequestReportBCSMEEvent(3,notifyAndContinue,oDisconnect)

L1!ContinueWithArgument (legID = 3)

CP1_3?SetUpReq

CP1_3!SetUpConf

T_S2P_S1P_null_controlling

7.1.4.18 Preamble T_null_S3P_null_controlling

T_S2P_S1P_null_controlling

L1!MergeCallSegments(1,2)

L1?MergeCallSegments ReturnResult

L1!ContinueWithArgument(csID=2)

T_null_S3P_null_controlling

7.1.4.19 Preamble T_null_S3P_S1P_controlling

T_null_S3P_null_controlling

L1!InitiateCallAttempt(4,3)

L1!RequestReportBCSMEEvent(4,notifyAndContinue,oDisconnect)

L1!ContinueWithArgument(legID=4)

CP1_4?SetUpReq

CP1_4!SetUpConf

T_null_S3P_S1P_controlling

7.1.4.20 Preamble T_null_null_S4P_controlling

T_null_S3P_S1P_controlling

L1!MergeCallSegments(2,3)

L1?MergeCallSegments ReturnResult

L1!ContinueWithArgument(csID=3)

T_null_null_S4P_controlling

7.1.4.21 Preamble T_S2P_null_null_passive

T_TS_null_null

L1!RequestReportBCSMEEvent(1,interrupted,tDisconnect)

L1!RequestReportBCSMEEvent(2,notifyAndContinue,tDisconnect)

L1!RequestReportBCSMEEvent(2,notifyAndContinue,tSuspend)

L1!RequestReportBCSMEEvent(2,notifyAndContinue,tMidCall)

L1!ContinueWithArgument(csID=1)

CP1_2?SetUpReq

CP1_2!SetUpConf

CP1_1?SetUpResp

T_S2P_null_null_passive

7.1.4.22 Preamble T_S2P_O1PS_null_passive

T_S2P_null_null_passive

L1!InitiateCallAttempt(3,2)

L1!RequestReportBCSMEEvent(3,notifyAndContinue,routeSelectFailure)

L1!RequestReportBCSMEEvent(3,notifyAndContinue,oCalledPartyBusy)

L1!RequestReportBCSMEEvent(3,notifyAndContinue,oAnswer)

L1!ContinueWithArgument (legID = 3)

CP1_3?SetUpReq

T_S2P_OS_null_passive

T_S1P_OS_null_passive

7.1.4.23 Preamble T_S2P_S1P_null_passive

T_S2P_null_null_passive

L1!InitiateCallAttempt(3,2)

L1!RequestReportBCSMEEvent(3,notifyAndContinue,oSuspend)

L1!RequestReportBCSMEEvent(3,notifyAndContinue,oDisconnect)

L1!ContinueWithArgument legID = 3)

CP1_3?SetupReq

CP1_3!SetupConf

T_S2P_S1P_null_passive

7.1.4.24 Preamble T_null_S3P_null_passive

T_S2P_S1P_null_passive

L1!MergeCallSegments(1,2)

L1?MergeCallSegments ReturnResult

L1!ContinueWithArgument(csID=2)

T_null_S3P_null_passive

7.1.4.25 Preamble T_null_S3P_O1PS_passive

T_null_S3P_null_passive

L1!InitiateCallAttempt(4,3)
 L1!RequestReportBCSMEEvent(4,notifyAndContinue,routeSelectFailure)
 L1!RequestReportBCSMEEvent(4,notifyAndContinue,oCalledPartyBusy)
 L1!RequestReportBCSMEEvent(4,notifyAndContinue,oAnswer)
 L1!ContinueWithArgument(legID=4)
 CP1_4?SetUpReq

T_null_S3P_OS_passive

7.1.4.26 Preamble T_null_S3P_S1P_passive

T_null_S3P_null_passive

L1!InitiateCallAttempt(4,3)
 L1!RequestReportBCSMEEvent(4,notifyAndContinue,oDisconnect)
 L1!RequestReportBCSMEEvent(4,notifyAndContinue,oSuspend)
 L1!ContinueWithArgument(legID=4)
 CP1_4?SetUpReq
 CP1_4!SetUpConf

T_null_S3P_S1P_passive

7.1.4.27 Preamble T_null_null_S4P_passive

T_null_S3P_S1P_passive

L1!MergeCallSegments(2,3)
 L1?MergeCallSegments ReturnResult
 L1!ContinueWithArgument(csID=3)

T_null_null_S4P_passive

7.1.5 Preambles used together with the second CallSegmentAssociation

7.1.5.1 General

The preambles defined in the previous clauses apply to legs and CSs created in the first CSA of a test case. This covers the need of most of the Test Purposes. For the Test Purposes related to the MoveCallSegments operation, a second CallSegmentAssociation is needed, and several combinations of CallSegments in this CallSegmentAssociation are required.

The preambles defined in the following clauses start with the creation of a CSA and fill in legs and CallSegments in a way similar to the previously defined preambles.

Note that inside these preambles there is no reference or "call" of a preamble creating the first CreateCallSegmentsAssociation. The combination of the two kinds of preambles is made inside the Test Purpose descriptions themselves.

7.1.5.2 Preamble CSA2_null

L1!CreateCallSegmentAssociation

L1?CreateCallSegmentAssociation ReturnResult(csaID2)

CSA2_null

7.1.5.3 Preamble CSA2_I_S1P_null_null

CSA2_null

L2!InitiateCallAttempt(2,1)

L2!RequestReportBCSMEEvent(2,interrupted,oDisconnect)

L2!ContinueWithArgument(legID=2)

CP2_2?SetUpReq

CP2_2!SetUpConf

CSA2_I_S1P_null_null

7.1.5.4 Preamble CSA2_O_S2P_null_null

Null

CP2_1!SetUpInd

L2?InitialDP(csaID2)

L2!RequestReportBCSMEEvent(2,interrupted,oDisconnect)

L2!Connect(2,1)

CP2_2?SetUpReq

CP2_2!SetUpConf

CP2_1!SetUpResp

CSA2_O_S2P_null_null

7.1.5.5 Preamble CSA2_O_S1P_S2P_null

CSA2_O_S2P_null_null

L2!SplitLeg(1,2)

L2?SplitLegReturnResult

L2!RequestReportBCSMEEvent(3,notifyAndContinue,oDisconnect)

L2!Connect(3,2)

CP2_3?SetUpReq

CP2_3!SetUpConf

CSA2_O_S1P_S2P_null

7.2 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/call references still being active in the call, from 1 up to 8. The SCF sends a ReleaseCall operation and the IUT sends ReleaseReq on the legs that are active.

In some cases the signalling control entities for users A, B, C, etc. (SigCon A, B, C, etc.) have sent a ReleaseInd in the test description of the Test Purpose. Since the Release service is an unconfirmed service, the completion of the release procedure, which might be necessary on the signalling links, is not explicitly shown.

The names of the Release postambles indicate the numbers of the legs where the release of the associated signalling connection applies (in any stage of the connection). E.g. **ReleaseAll_3** means that the signalling connections associated with legs 1, 2 and 3 (SigCon A, B and C) have to be released. **Release_234** means that the signalling connections associated with legs 2, 3 and 4 (SigCon B, C and D) have to be released.

The order of receipt of ReleaseReq signals from the different SigCons is not significant.

When 2 CallSegmentAssociations are used in a Test Purpose description, the name of the postamble is separated by **_CSA2_**.

Examples of postambles:

Postamble ReleaseAll_3

L1!ReleaseCall(allCallSegments)

CP1_1?ReleaseReq

CP1_2?ReleaseReq

CP1_3?ReleaseReq

Idle

Postamble Release_1234568

L1!ReleaseCall(allCallSegments)

CP1_1?ReleaseReq

CP1_2?ReleaseReq

CP1_3?ReleaseReq

CP1_4?ReleaseReq

CP1_5?ReleaseReq

CP1_6?ReleaseReq

CP1_8?ReleaseReq

Idle

Postamble ReleaseAll_3_CSA2_All_3

L1!ReleaseCall(allCallSegments)

CP1_1?ReleaseReq

CP1_2?ReleaseReq

CP1_3?ReleaseReq

L2!ReleaseCall(allCallSegments)

I CP2_1?ReleaseReq

CP2_2?ReleaseReq

CP2_3?ReleaseReq

Idle

List of postambles:

Postamble ReleaseAll_1

Postamble ReleaseAll_2

Postamble ReleaseAll_3

Postamble ReleaseAll_4

Postamble ReleaseAll_5

Postamble ReleaseAll_6

Postamble ReleaseAll_7

Postamble ReleaseAll_8

Postamble Release_1234568

Postamble Release_123467

Postamble Release_124

Postamble Release_134

Postamble Release_13456

Postamble Release_14

Postamble Release_2

Postamble Release_23

Postamble Release_234

Postamble Release_24

Postamble Release_3

Release_13_CSA2_All_1

Release_15_CSA2_2345

Release_15_CSA2_All_5

Release_2_CSA2_234

Release_2_CSA2_All_2

Release_2_CSA2_All_3

Release_23_CSA2_2

Release_234_CSA2_2345

Release_24_CSA2_All_4

Release_3_CSA2_23

Release_3_CSA2_234

Release_3_CSA2_All_3

ReleaseAll_1_CSA2_All_4

ReleaseAll_2_CSA2_All_1

ReleaseAll_2_CSA2_All_2

ReleaseAll_3_CSA2_All_2

ReleaseNull_CSA2_23

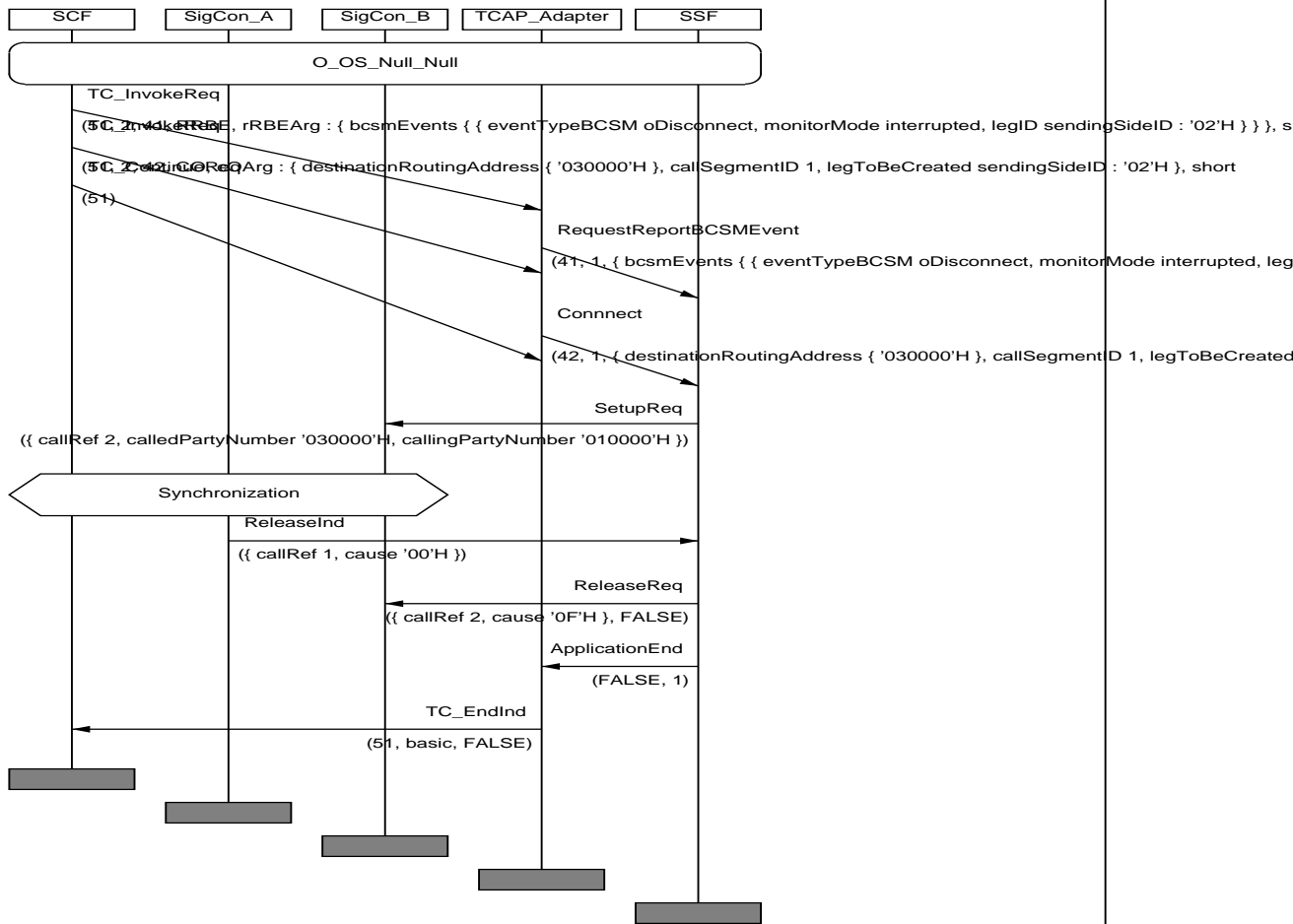
ReleaseNull_CSA2_All_3

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

8.1 RequestReportBCSMEvent (RRB) procedure (CPH complement to basic procedure)

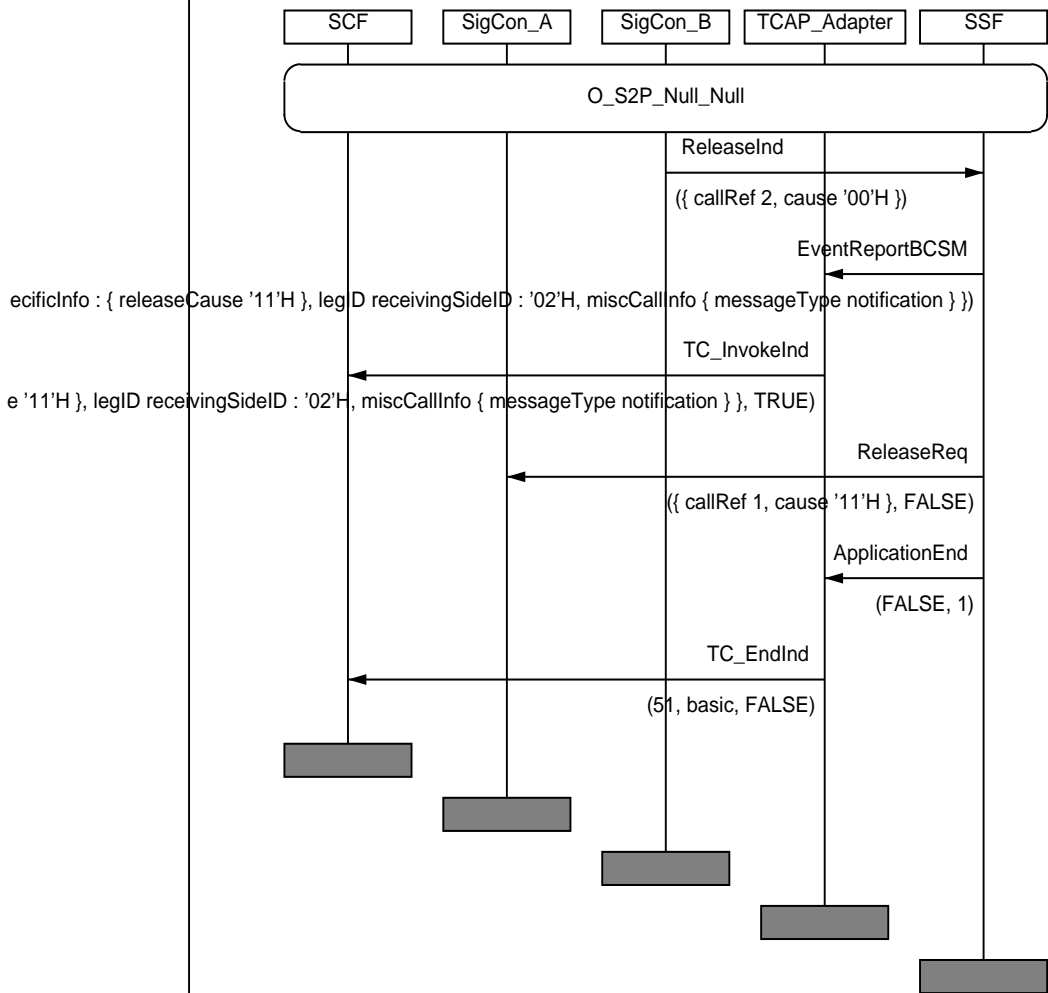
| IN3_A_CPH_RRB_BV_01 | |
|--------------------------|---|
| Work item no.: | ITEM_CPH_18 |
| IN2 Ref(tmp) | IN2_A_CPH_RR_BV_01 |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble O_OS_null_null and having armed DP O_Disconnect for leg1 (controlling, pending), does not send an EventReportBCSM to the SCF when SigConA is released before SigconB answers. Check also that the SSF ends the dialog with the SCF and releases SigConB. |
| Requirements refs | 6.6.3.3.2.1, 6.6.3.4.2.2, 8.2, 8.2.1.2, 8.2.2, 8.2.2.5, 8.2.2.6, 8.2.2.7, 11.24.1, 11.24.1.1.1, 11.24.2.1, 11.38.1, 11.38.1.1.1, 11.38.3.1 |
| Selection Cond. | |
| Preamble: | O_OS_null_null |
| Test description | L1!RequestReportBCSMEvent(1,notifyAndContinue,oDisconnect) L1!Connect(2,1) CP1_2?SetupReq CP1_1!ReleaseInd |
| Pass criteria | - Check that SSF does not send to SCF an EventReportBCSM because the detection point was armed for event type oDisconnect on leg1, while the release can only be recognized as oAbandon. - Check that SSF is ending the dialogue with SCF and releasing SigConB (ReleaseReq sent). |
| Postamble: | none |

MSC IN3_A_CPH_RRB_BV_01



| IN3_A_CPH_RRB_BV_02 | |
|----------------------------|---|
| Work item no.: | ITEM_CPH_19 |
| IN2 Ref(tmp) | IN2_A_CPH_RR_BV_02 |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble O_S2P_null_null and having armed DP O_Disconnect for leg2 passive, joined), sends an EventReportBCSM to the SCF when SigConB is released. |
| Requirements refs | 6.6.3.3.2.1, 6.6.3.4.2.2, 8.2, 8.2.1.2, 8.2.2, 8.2.2.5, 8.2.2.6, 8.2.2.7, 11.24.1, 11.24.1.1.1, 11.24.2.1, 11.38.1, 11.38.1.1.1, 11.38.3.1 |
| Selection Cond. | |
| Preamble: | O_S2P_null_null |
| Test description | (The RequestReportBCSMEvent invoke (2,notifyAndContinue,oDisconnect) has been sent by the SCF in the preamble). CP1_2!ReleaseInd(Normal clearing) |
| Pass criteria | L1?EventReportBCSM(2,oDisconnect) CP1_2?ReleaseReq |
| Postamble: | none |

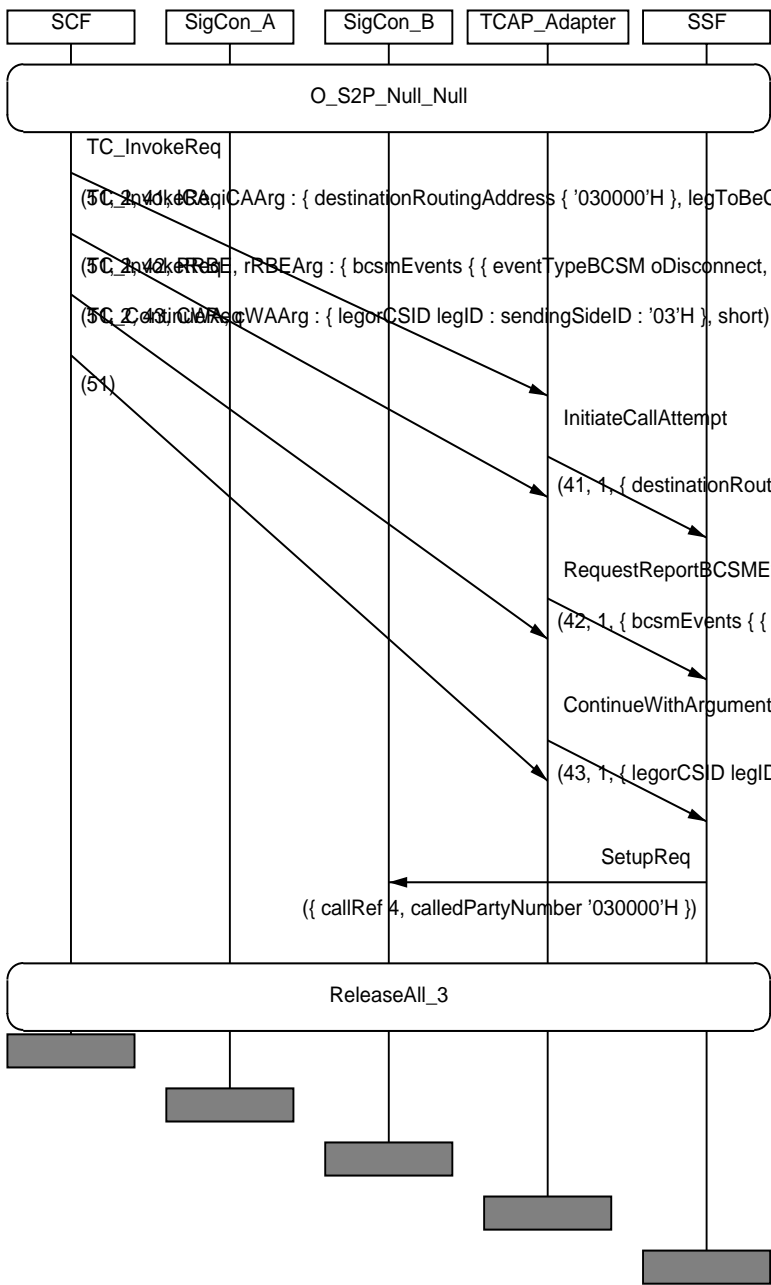
MSC IN3_A_CPH_RRB_BV_02



8.2 ContinueWithArgument (CWA) procedure (CPH complement to basic procedure)

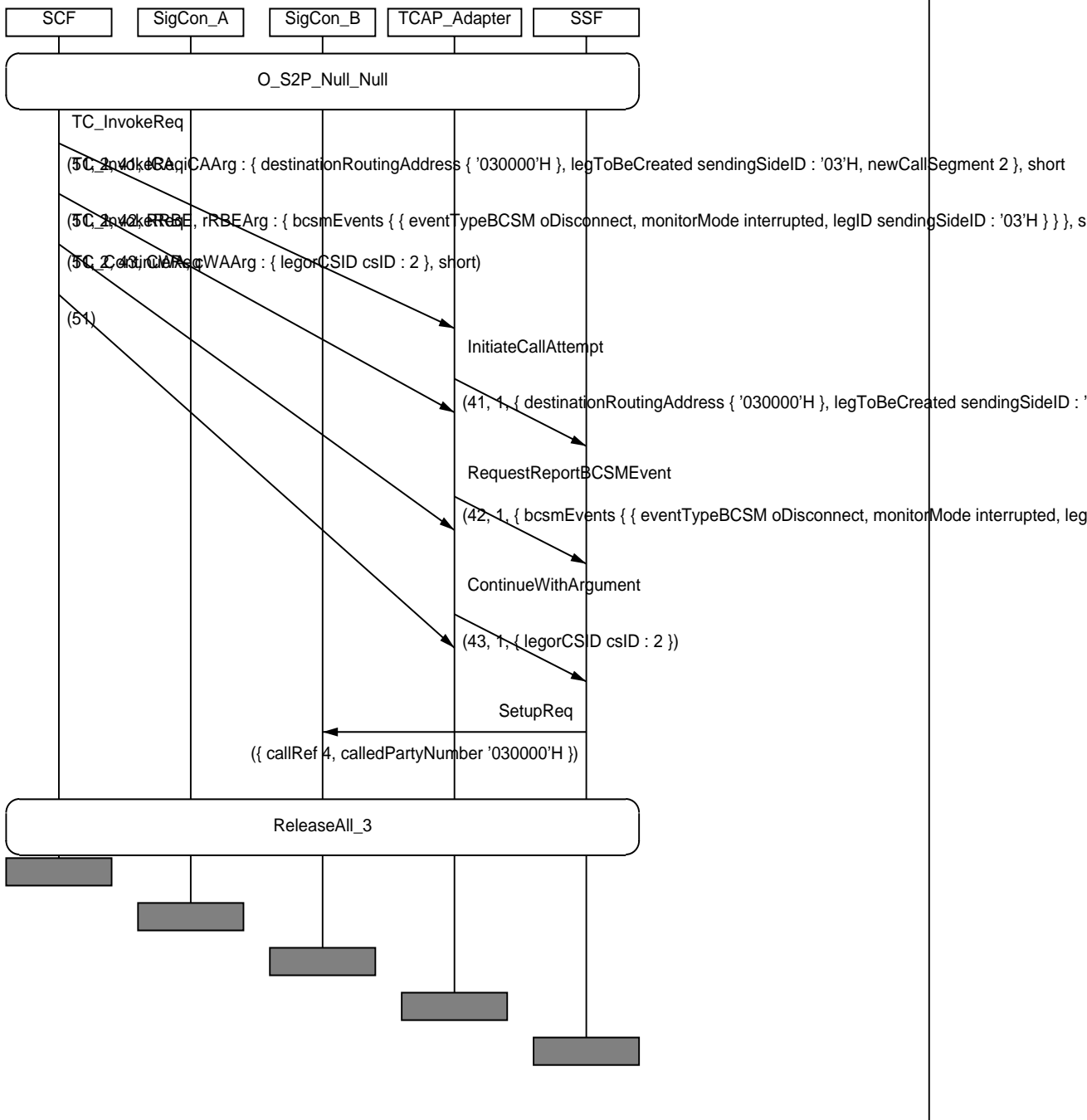
| IN3_A_CPH_CWA_BV_01 | |
|----------------------------|---|
| Work item no.: | ITEM_CPH_23 |
| IN2 Ref(tmp) | IN2_A_CPH_CW_BV_01 |
| Purpose: | Verify that the SSF, being in the CS configuration according to preamble O_S2P_null_null , sends a SetupRequest to SigConC (leg 3), when having received from the SCF an InitiateCallAttempt invoke component containing parameters legToBeCreated=3 and newCallSegment=2, followed by a ContinueWithArgument invoke component with parameter legID=3. |
| Requirements refs | 6.5.1.2.1, 6.5.1.2.3, 6.6.3.4.2.7, 8.2, 8.2.1, 8.2.1.1, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 11.15.1, 11.15.1.1.1, 11.15.3.1, 11.27 |
| Selection Cond. | |
| Preamble: | O_S2P_null_null |
| Test description | L1!InitiateCallAttempt(3,2) L1!RequestReportBCSMEvent(3,notifyAndContinue,oDisconnect) L1!ContinueWithArgument(legID=3) |
| Pass criteria | Check that SSF sends to SigconC a SetupRequest meaning that BCSM continues: CP1_3?SetUpReq |
| Postamble: | ReleaseAll_3 |

MSC IN3_A_CPH_CWA_BV_01



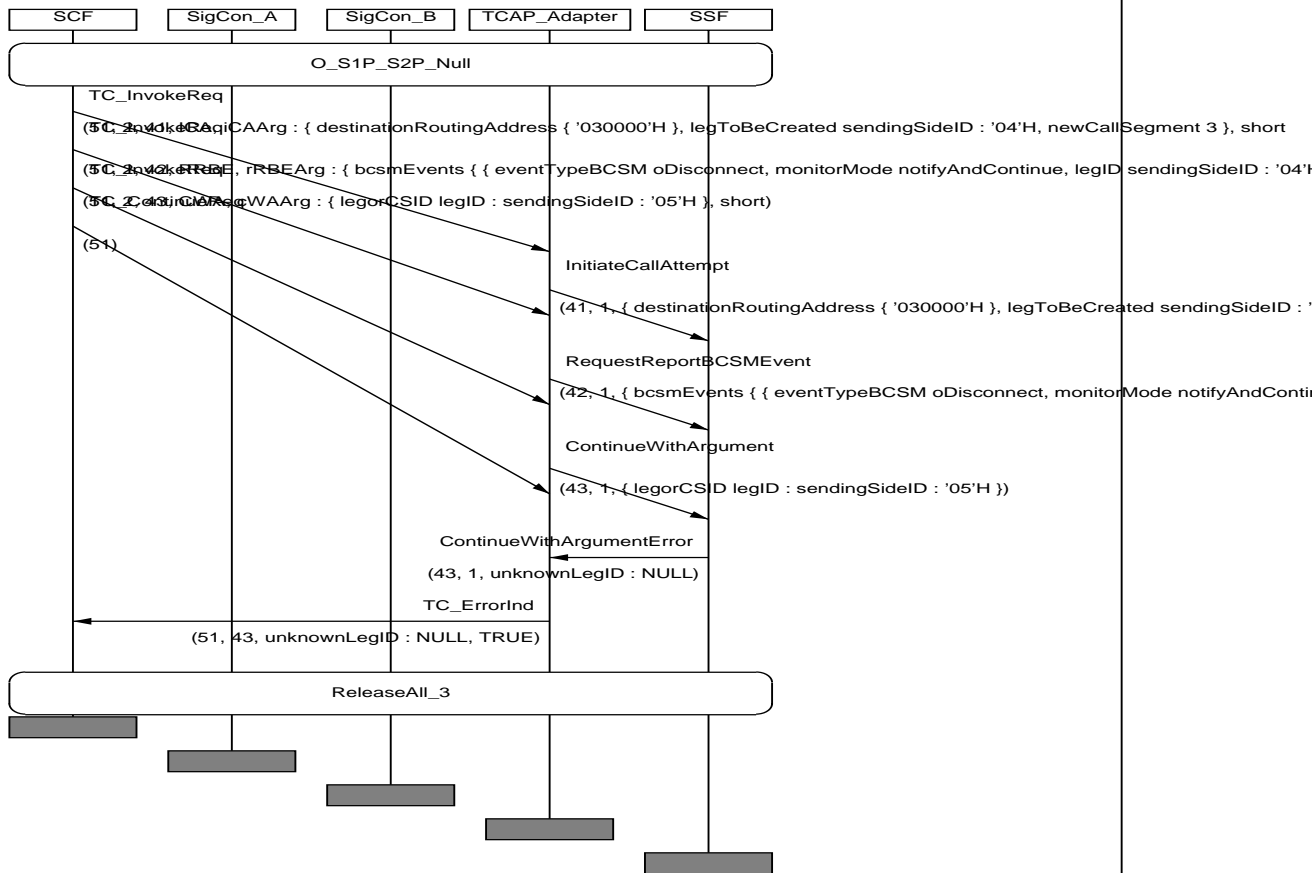
| IN3_A_CPH_CWA_BV_02 | |
|----------------------------|--|
| Work item no.: | ITEM_CPH_144 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF, being in the CS configuration according to preamble O_S2P_null_null , sends a SetupRequest to SigConC (leg 3), when having received from the SCF an InitiateCallAttempt invoke component containing parameters legToBeCreated=3 and newCallSegment=2, followed by a ContinueWithArgument invoke component with parameter csID=2. |
| Requirements refs | 6.5.1.2.1, 6.5.1.2.3, 6.6.3.4.2.7, 8.2, 8.2.1, 8.2.1.1, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 11.15.1, 11.15.1.1.1, 11.15.3.1, 11.27 |
| Selection Cond. | |
| Preamble: | O_S2P_null_null |
| Test description | L1!InitiateCallAttempt(3,2) L1!RequestReportBCSMEvent(3,notifyAndContinue,oDisconnect) L1!ContinueWithArgument(csID=2) |
| Pass criteria | Check that SSF sends to SigconC a SetupRequest meaning that BCSM continues: CP1_3?SetUpReq |
| Postamble: | ReleaseAll_3 |

MSC IN3_A_CPH_CWA_BV_02



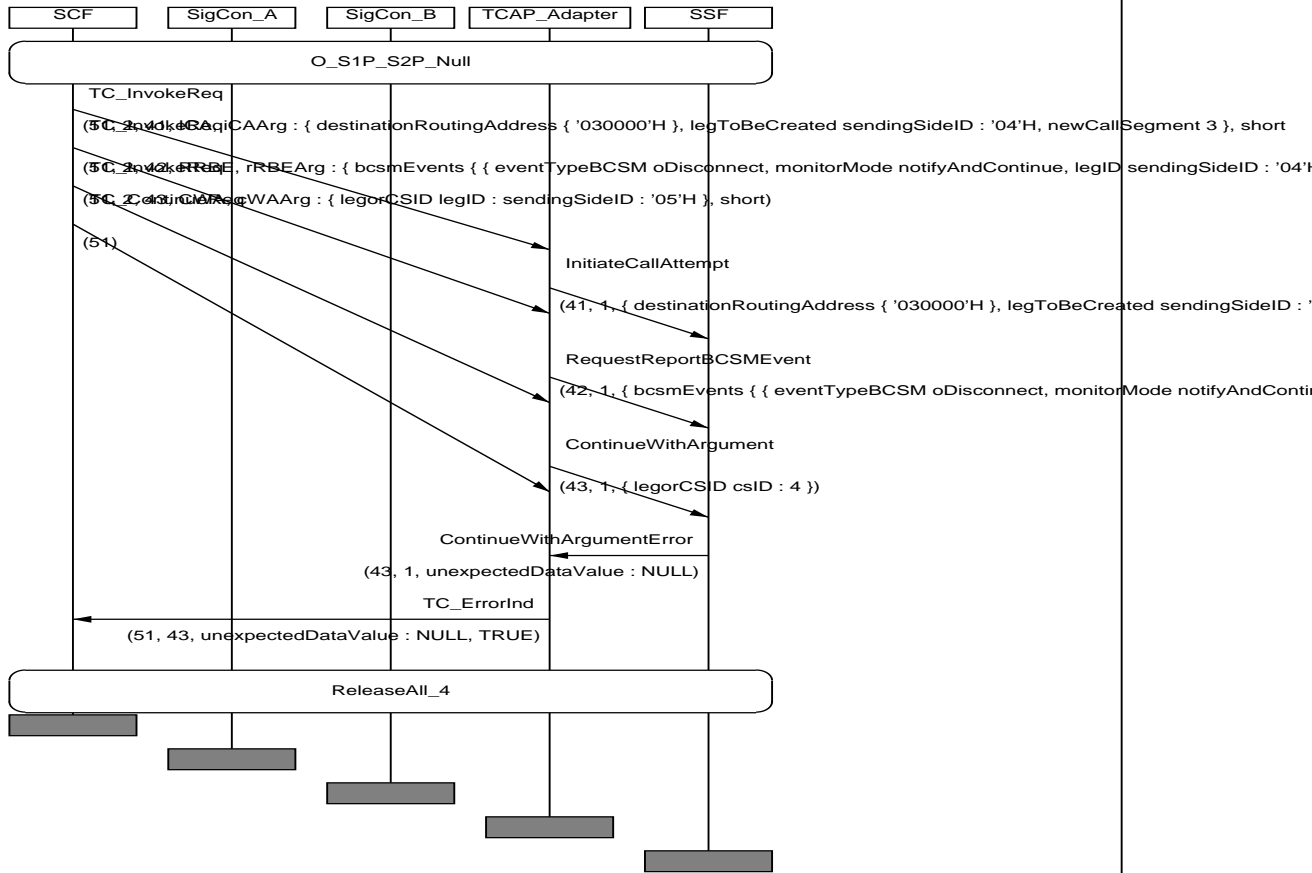
| IN3_A_CPH_CWA_BI_01 | |
|----------------------------|--|
| Work item no.: | ITEM_CPH_26 |
| IN2 Ref(tmp) | IN2_A_CPH_CW_BI_01 |
| Purpose: | Verify that the SSF, being in the CS configuration according to preamble O_S1P_S2P_null , sends to the SCF a ContinueWithArgument returnError component containing the parameter unknownlegID , when having received from the SCF an InitiateCallAttempt invoke component containing parameters legToBeCreated=4 and newCallSegment=3, followed by a ContinueWithArgument invoke component with parameter legID=5 (invalid). |
| Requirements refs | 6.5.1.2.1, 6.5.1.2.3, 6.6.3.4.2.7, 8.2, 8.2.1, 8.2.1.1, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 11.15.1, 11.15.1.1.1, 11.15.3.1, 11.27, 13.1.12.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | O_S1P_S2P_null |
| Test description | L1!InitiateCallAttempt(4,3) L1!RequestReportBCSMEEvent(4,notifyAndContinue,oDisconnect) L1!ContinueWithArgument(legID=5) |
| Pass criteria | L1?ContinueWithArgument ReturnError(unknownlegID) |
| Postamble: | ReleaseAll_3 |

MSC IN3_A_CPH_CWA_BI_01



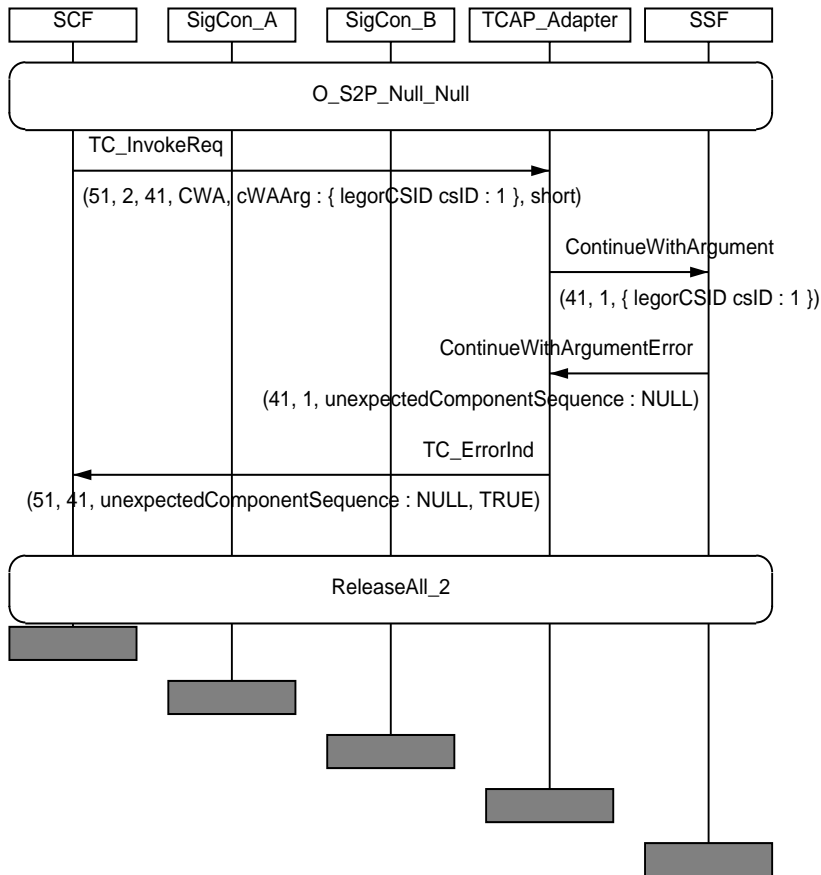
| IN3_A_CPH_CWA_BI_02 | |
|----------------------------|--|
| Work item no.: | ITEM_CPH_27 |
| IN2 Ref(tmp) | IN2_A_CPH_CW_BI_02 |
| Purpose: | Verify that the SSF sends to the SCF a ContinueWithArgument returnError component containing the parameter UnexpectedDataValue , when having received from the SCF an InitiateCallAttempt invoke component containing parameters legToBeCreated=4 and newCallSegment=3, followed by a ContinueWithArgument invoke component with parameter csID=4 (invalid). |
| Requirements refs | 6.5.1.2.1, 6.5.1.2.3, 6.6.3.4.2.7, 8.2, 8.2.1, 8.2.1.1, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 11.15.1, 11.15.1.1.1, 11.15.3.1, 11.27, 13.1.10.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | O_S1P_S2P_null |
| Test description | L1!InitiateCallAttempt(4,3) L1!RequestReportBCSMEvent(4,notifyAndContinue,oDisconnect) L1!ContinueWithArgument(csID=4) |
| Pass criteria | L1?ContinueWithArgument ReturnError(UnexpectedDataValue) |
| Postamble: | ReleaseAll_4 |

MSC IN3_A_CPH_CWA_BI_02



| IN3_A_CPH_CWA_BO_01 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_24 |
| IN2 Ref(tmp) | IN2_A_CPH_CW_BV_02 |
| Purpose: | Verify that the SSF sends a ContinueWithArgument return error component with error code UnexpectedComponentSequence , when receiving a ContinueWithArgument invoke component in the Monitoring state. |
| Requirements refs | 8.2, 11.15.1, 11.15.1.1.1, 11.15.3.1 |
| Selection Cond. | |
| Preamble: | O_S2P_null_null |
| Test description | SCF sends a ContinueWithArgument invoke with parameter csID=1. |
| Pass criteria | L1?ContinueWithArgument ReturnError(UnexpectedComponentSequence) |
| Postamble: | ReleaseAll_2 |

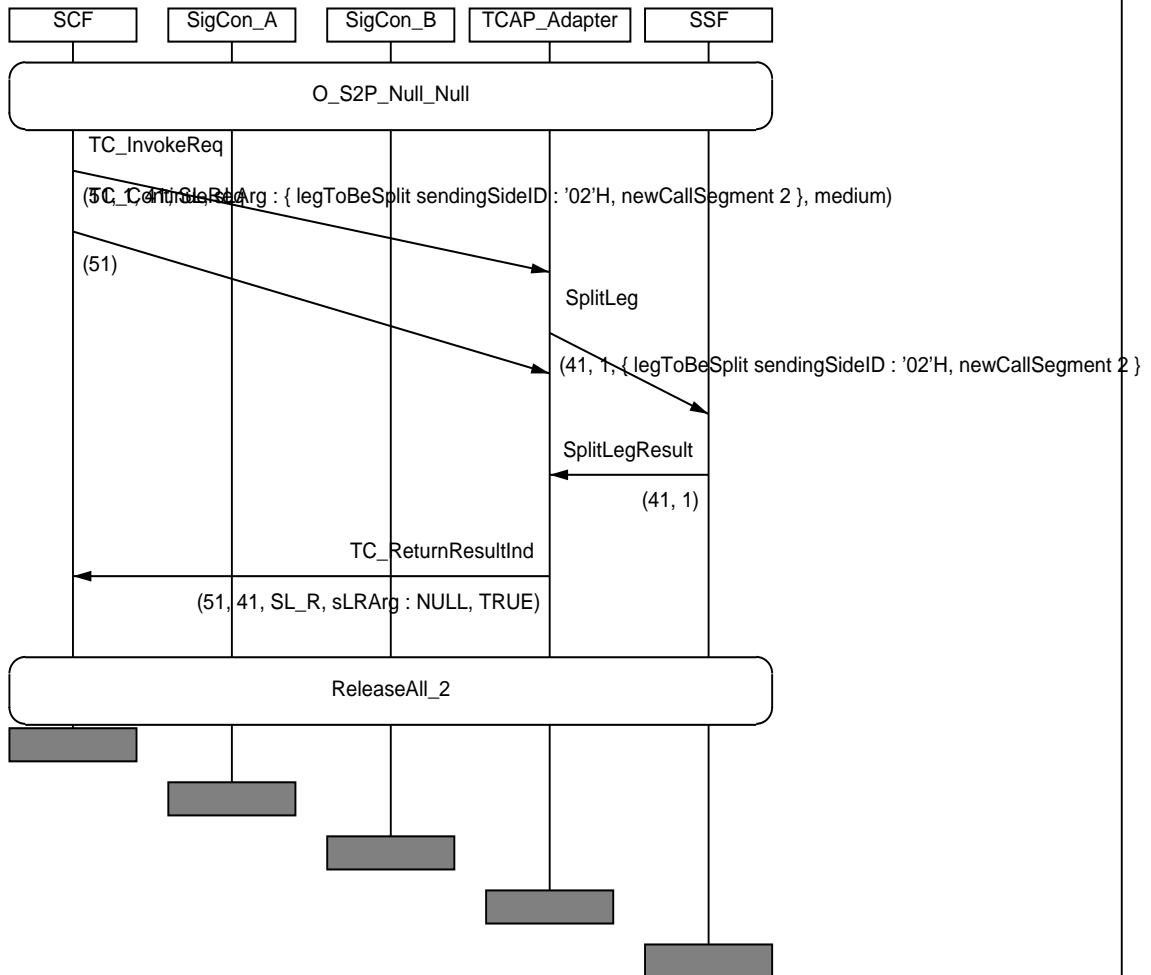
MSC IN3_A_CPH_CWA_BO_01



8.3 SplitLeg (SL) procedure

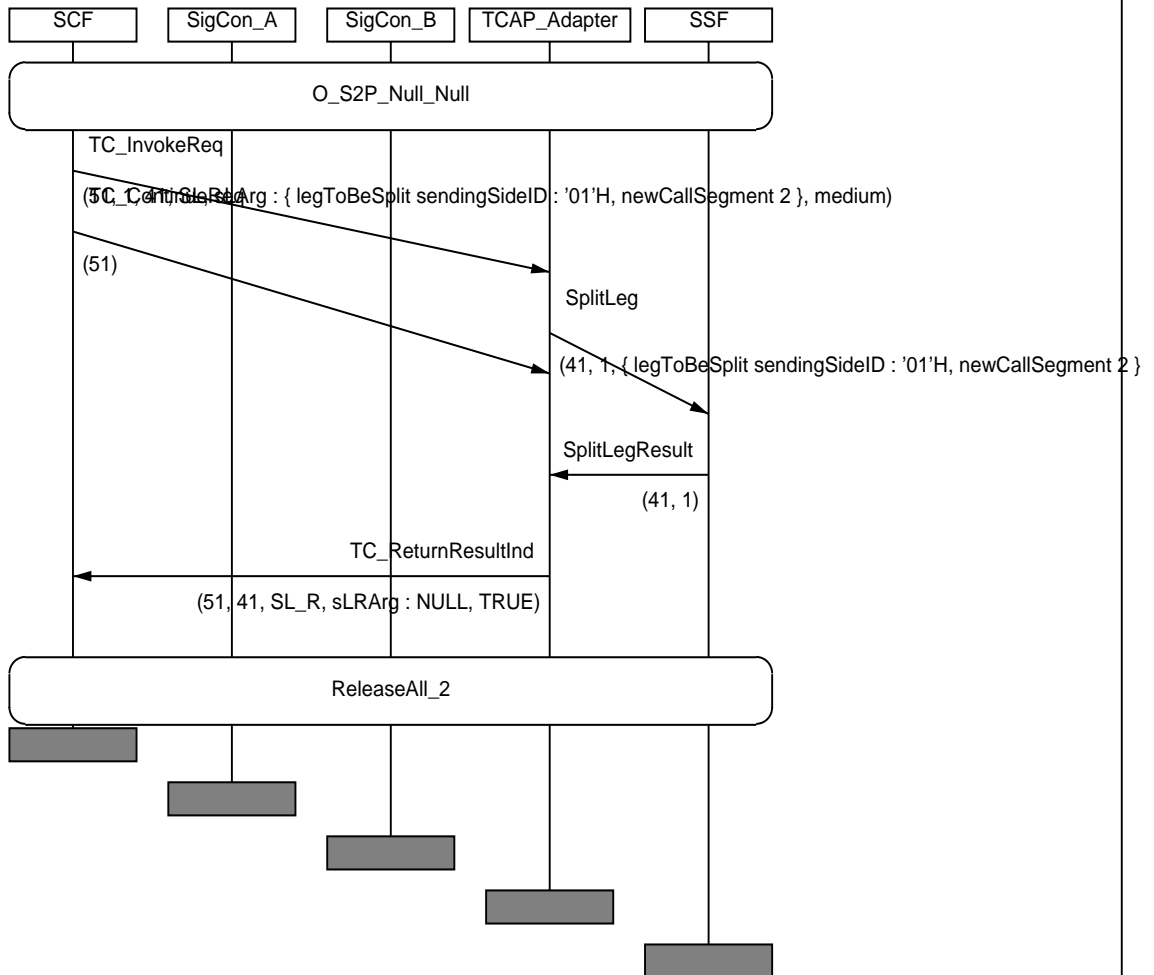
| IN3_A_CPH_SL_BV_01 | |
|---------------------------|---|
| Work item no.: | ITEM_CPH_20 |
| IN2 Ref(tmp) | IN2_A_CPH_SL_BV_02 |
| Purpose: | Verify that the SSF sends a SplitLeg ReturnResult component when having received a SplitLeg invoke component with the CS of the legToBeSplit (passive) being in the Stable_2_Party state. |
| Requirements refs | 6.6.3.4.2, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 11.46.1, 11.46.1.1.1, 11.46.3.1 |
| Selection Cond. | |
| Preamble: | O_S2P_null_null |
| Test description | L1!SplitLeg(2,2) |
| Pass criteria | L1?SplitLegReturnResult |
| Postamble: | ReleaseAll_2 |

MSC IN3_A_CPH_SL_BV_01



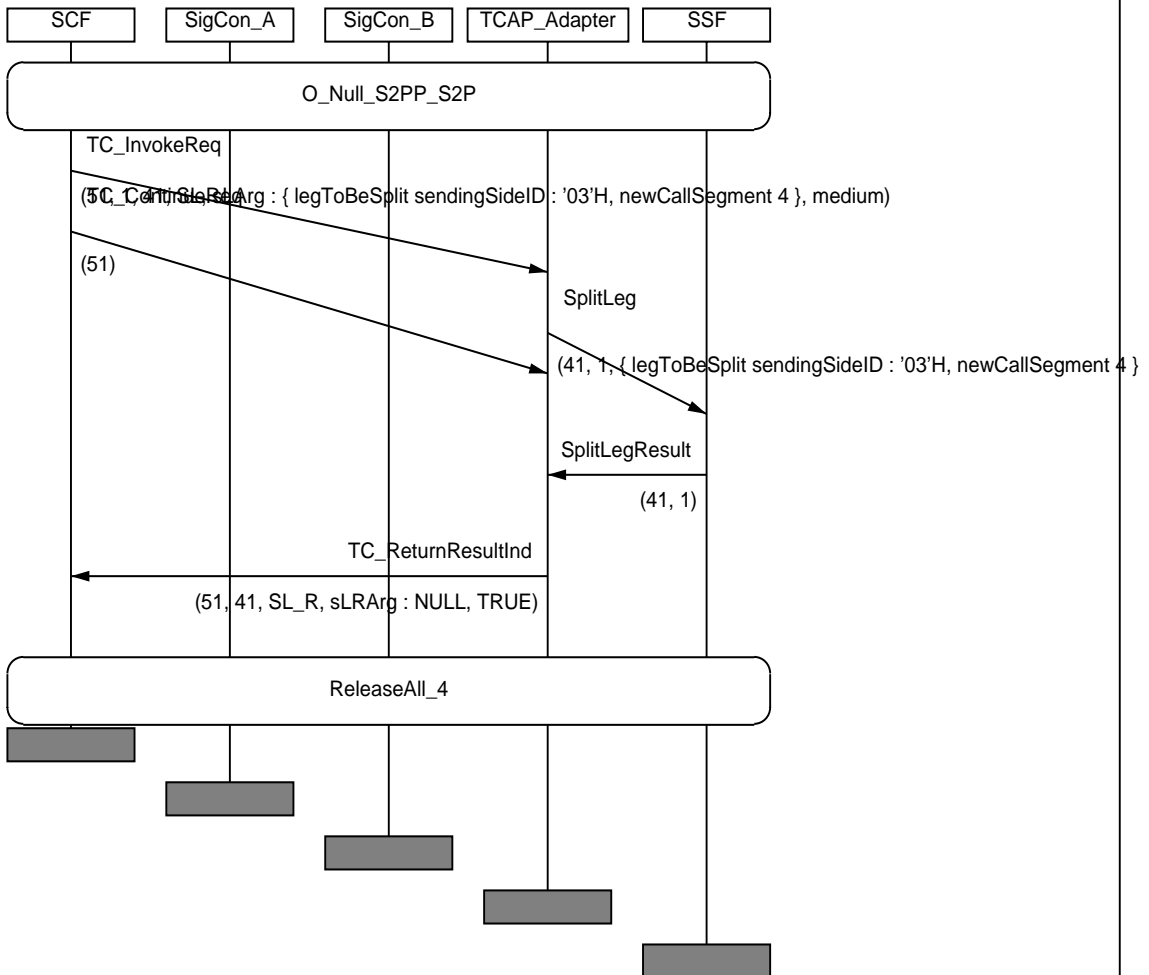
| | IN3_A_CPH_SL_BV_02 |
|--------------------------|---|
| Work item no.: | ITEM_CPH_21 |
| IN2 Ref(tmp) | IN2_A_CPH_SL_BV_01 |
| Purpose: | Verify that the SSF sends a SplitLeg ReturnResult component when having received a SplitLeg invoke component with the CS of the legToBeSplit (controlling) being in the Stable_2_Party state. |
| Requirements refs | 6.6.3.4.2, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 11.46.1, 11.46.1.1.1, 11.46.3.1 |
| Selection Cond. | |
| Preamble: | O_S2P_null_null |
| Test description | L1!SplitLeg(1,2) |
| Pass criteria | L1?SplitLegReturnResult |
| Postamble: | ReleaseAll_2 |

MSC IN3_A_CPH_SL_BV_02



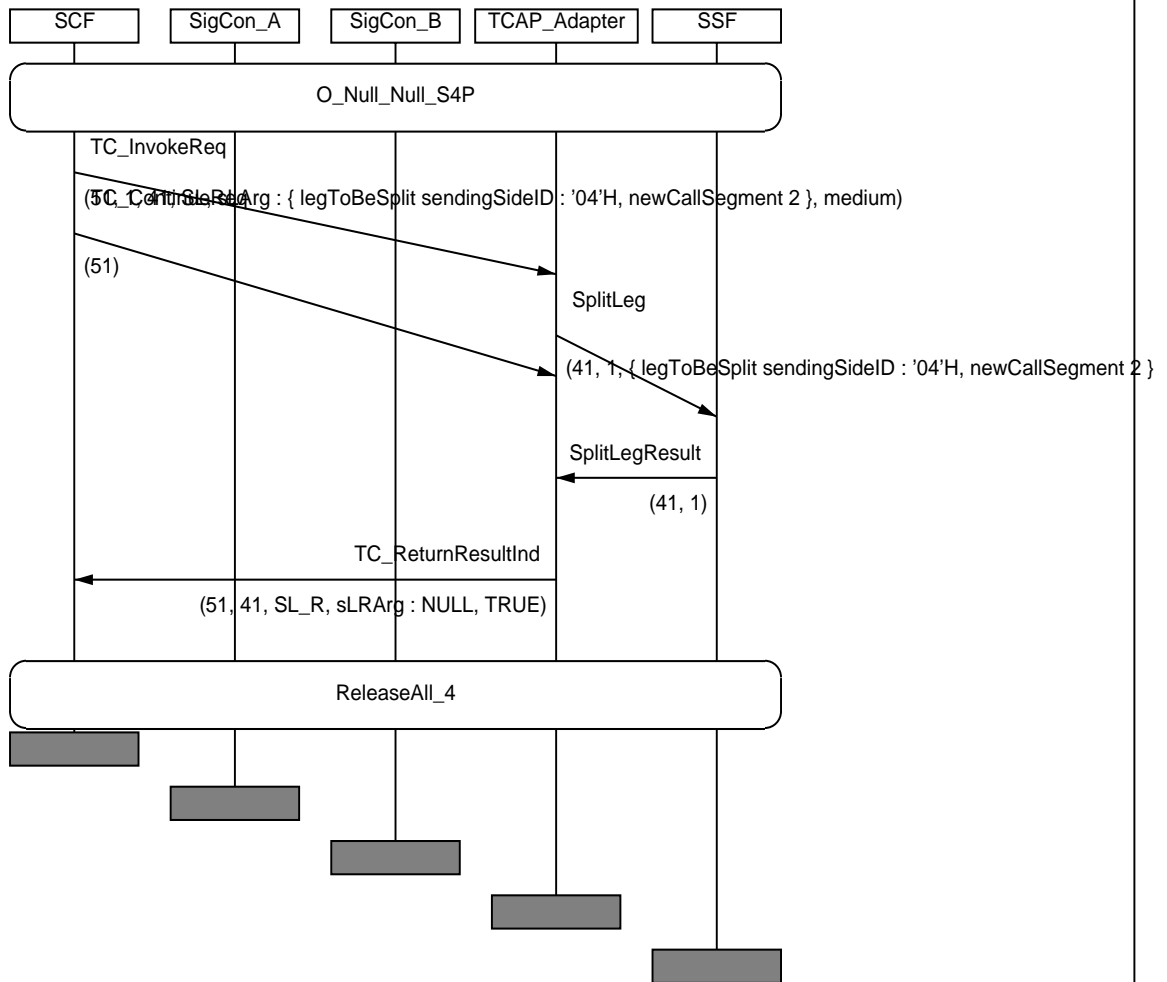
| IN3_A_CPH_SL_BV_03 | |
|---------------------------|---|
| Work item no.: | ITEM_CPH_156 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a SplitLeg ReturnResult component when having received a SplitLeg invoke component with the CS of the legToBeSplit (passive) being in the Stable_Multi_Passive_Party state. |
| Requirements refs | 6.6.3.4.2, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 11.46.1, 11.46.1.1.1, 11.46.3.1 |
| Selection Cond. | |
| Preamble: | O_null_S2PP_S2P |
| Test description | L1!SplitLeg(3,4) |
| Pass criteria | L1?SplitLegReturnResult |
| Postamble: | ReleaseAll_4 |

MSC IN3_A_CPH_SL_BV_03



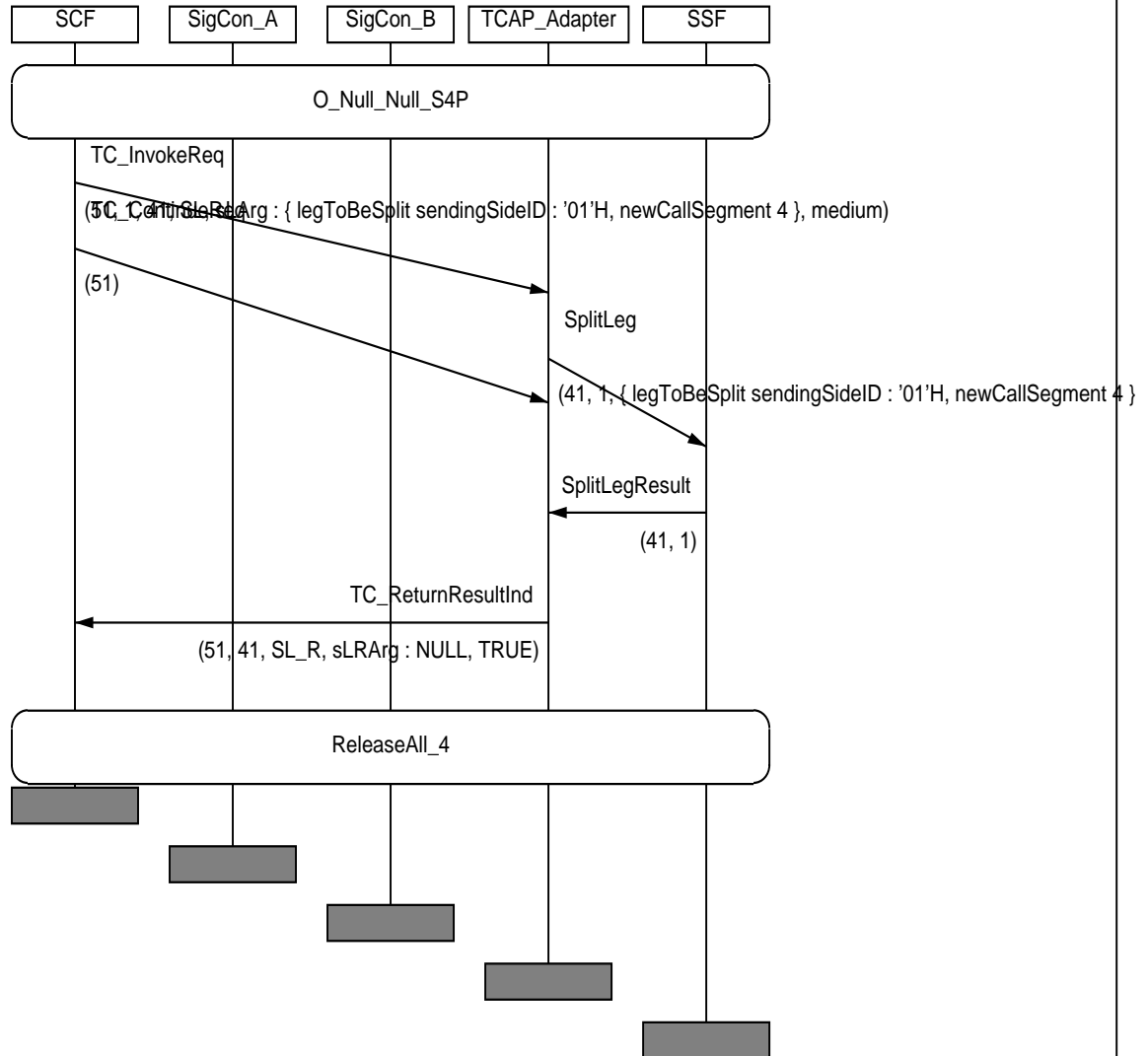
| IN3_A_CPH_SL_BV_04 | |
|---------------------------|---|
| Work item no.: | ITEM_CPH_157 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a SplitLeg ReturnResult component when having received a SplitLeg invoke component with the CS of the legToBeSplit (passive) being in the Stable_Multi_Party state. |
| Requirements refs | 6.6.3.4.2, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 11.46.1, 11.46.1.1.1, 11.46.3.1 |
| Selection Cond. | |
| Preamble: | O_null_null_S4P |
| Test description | L1!SplitLeg(4,2) |
| Pass criteria | L1?SplitLegReturnResult |
| Postamble: | ReleaseAll_4 |

MSC IN3_A_CPH_SL_BV_04

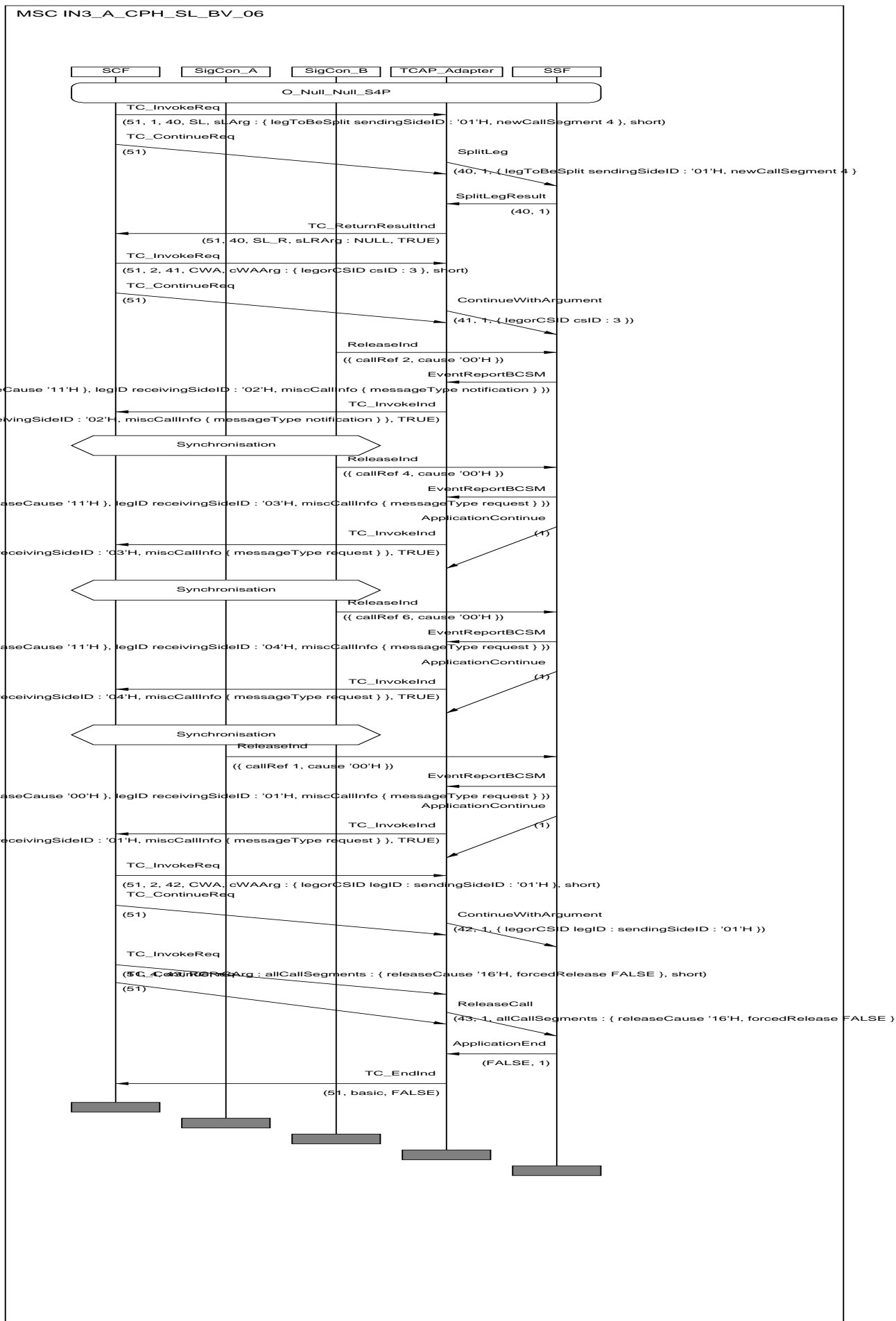


| IN3_A_CPH_SL_BV_05 | |
|--------------------------|---|
| Work item no.: | ITEM_CPH_158 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a SplitLeg ReturnResult component when having received a SplitLeg invoke component with the CS of the legToBeSplit (controlling) being in the Stable_Multi_Party state. |
| Requirements refs | 6.6.3.4.2, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 11.46.1, 11.46.1.1.1, 11.46.3.1 |
| Selection Cond. | |
| Preamble: | O_null_null_S4P |
| Test description | L1!SplitLeg(1,4) |
| Pass criteria | L1?SplitLegReturnResult |
| Postamble: | ReleaseAll_4 |

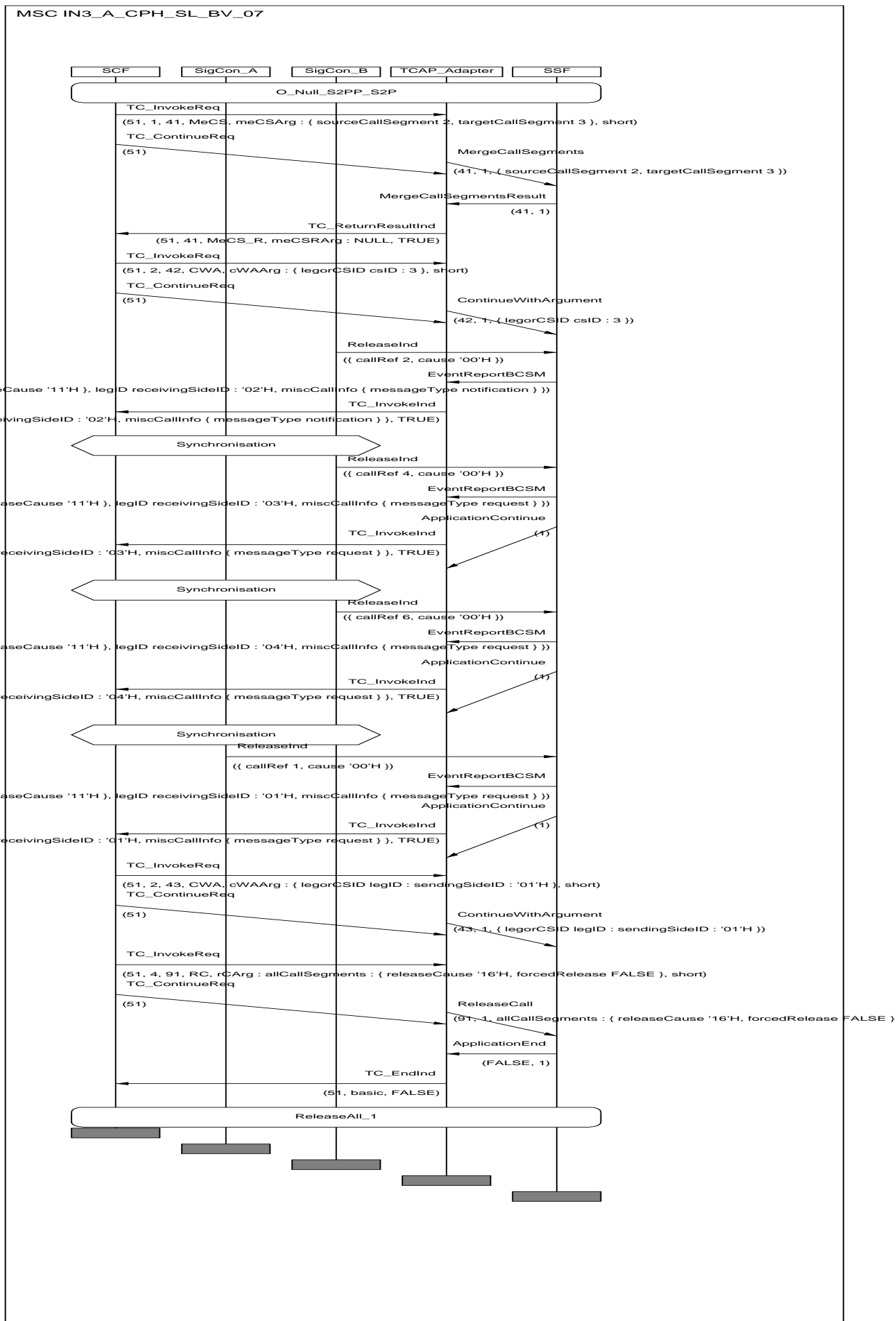
MSC IN3_A_CPH_SL_BV_05



| IN3_A_CPH_SL_BV_06 | |
|---------------------------|--|
| Work item no.: | ITEM_CPH_159 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF keeps the event detection points armed on all legs after performing the SplitLeg operation. |
| Requirements refs | 6.6.3.4.2, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 11.46.1, 11.46.1.1.1, 11.46.3.1 |
| Selection Cond. | |
| Preamble: | O_null_null_S4P |
| Test description | L1!SplitLeg(1,4) L1?SplitLegReturnResult L1!ContinueWithArgument (csID = 3) CP1_2!ReleaseInd(Normal clearing) L1?EventReportBCSM(2,oDisconnect) CP1_3!ReleaseInd(Normal clearing) L1?EventReportBCSM(3,oDisconnect) CP1_4!ReleaseInd(Normal clearing) L1?EventReportBCSM(4,oDisconnect) CP1_1!ReleaseInd(Normal clearing) L1?EventReportBCSM(1,oDisconnect) L1!ContinueWithArgument(legID=1) L1!ReleaseCall(allCallSegments) |
| Pass criteria | 4 ERBs received (the event reports have been requested in the preamble) |
| Postamble: | None |

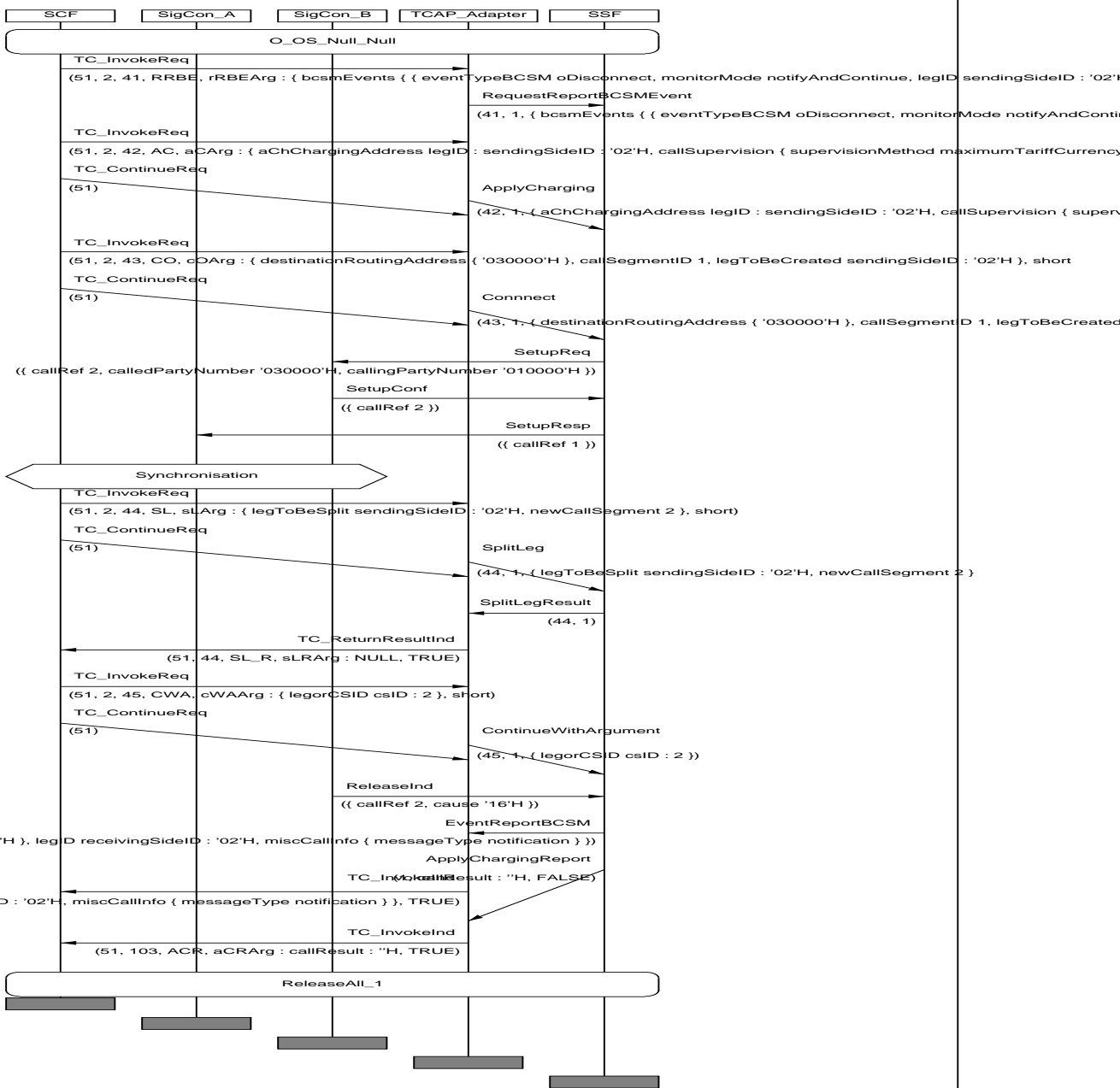


| IN3_A_CPH_SL_BV_07 | |
|---------------------------|--|
| Work item no.: | ITEM_CPH_160 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends to the SCF a CallInformationReport, when a CallInformationRequest has been invoked on leg2 (passive), leg2 has been split and a ReleaseInd has been received from SigConB. |
| Requirements refs | 6.6.3.4.2, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 11.46.1, 11.46.1.1.1, 11.46.3.1 |
| Selection Cond. | |
| Preamble: | O_OS_null_null |
| Test description | L1!RequestReportBCSMEvent(2,notifyAndContinue,oDisconnect) L1!CallInformationRequest(2) L1!Connect(2,1) CP1_2?SetupReq CP1_2!SetupConf CP1_1?SetupResp L1!SplitLeg(2,2) L1?SplitLegReturnResult L1!ContinueWithArgument(csID=2) CP1_2!ReleaseInd(Normal clearing) |
| Pass criteria | L1?EventReportBCSM(2,oDisconnect) L1?CallInformationReport(2) NOTE: ERB and CIRP must be received in this order. |
| Postamble: | ReleaseAll_1 |



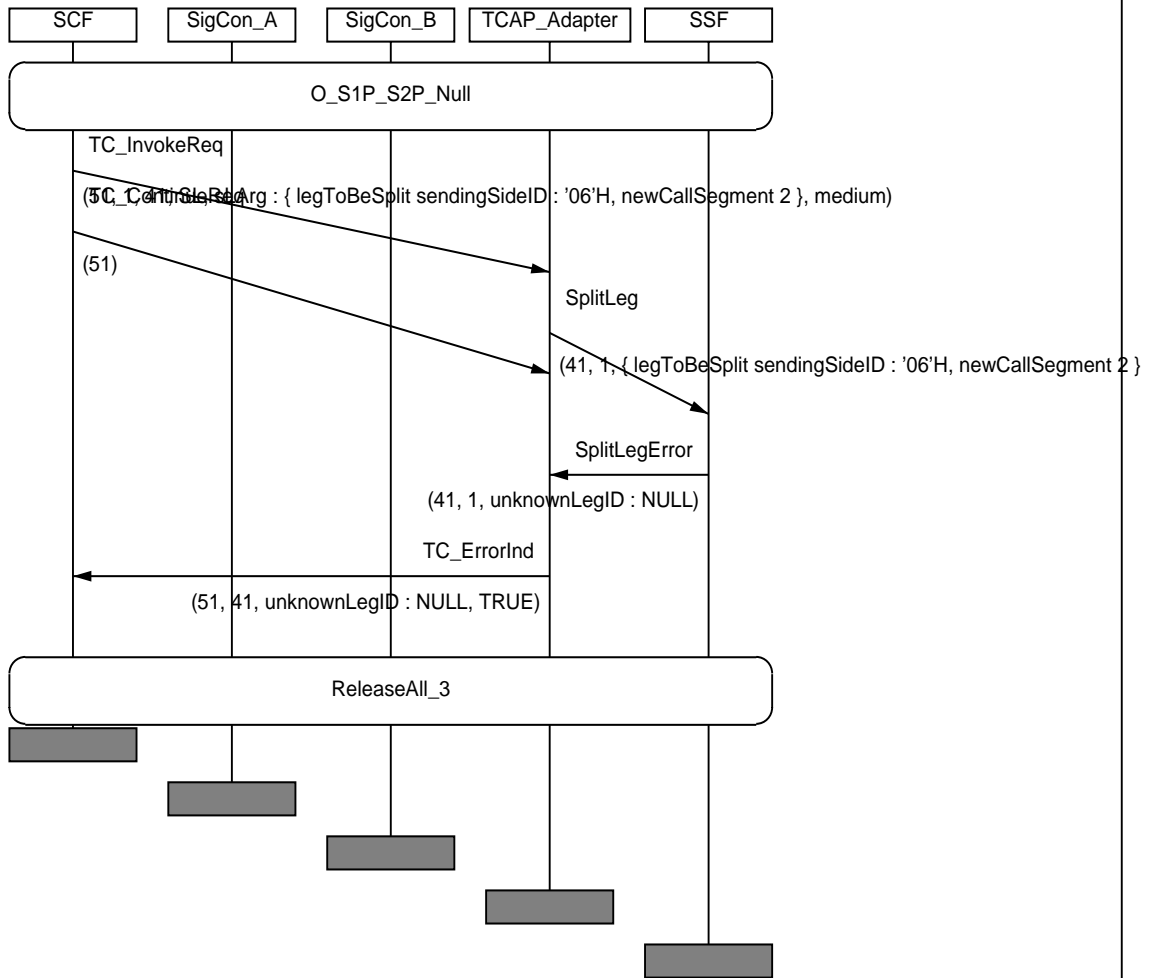
| IN3_A_CPH_SL_BV_08 | |
|---------------------------|--|
| Work item no.: | ITEM_CPH_205 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends to the SCF a ApplyChargingReport, when a ApplyChargingRequest has been invoked on leg2 (passive), leg2 has been split and a ReleaseInd has been received from SigConB. |
| Requirements refs | 6.6.3.4.2, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 11.46.1, 11.46.1.1.1, 11.46.3.1 |
| Selection Cond. | |
| Preamble: | O_OS_null_null |
| Test description | L1!RequestReportBCSMEvent(2,notifyAndContinue,oDisconnect) L1!ApplyChargingRequest(2) L1!Connect(2,1) CP1_2?SetupReq CP1_2!SetupConf CP1_1?SetupResp L1!SplitLeg(2,2) L1?SplitLegReturnResult L1!ContinueWithArgument(csID=2) CP1_2!ReleaseInd(Normal clearing) |
| Pass criteria | L1?EventReportBCSM(2,oDisconnect) L1?ApplyChargingReport(2) |
| Postamble: | ReleaseAll_1 |

MSC IN3_A_CPH_SL_BV_08



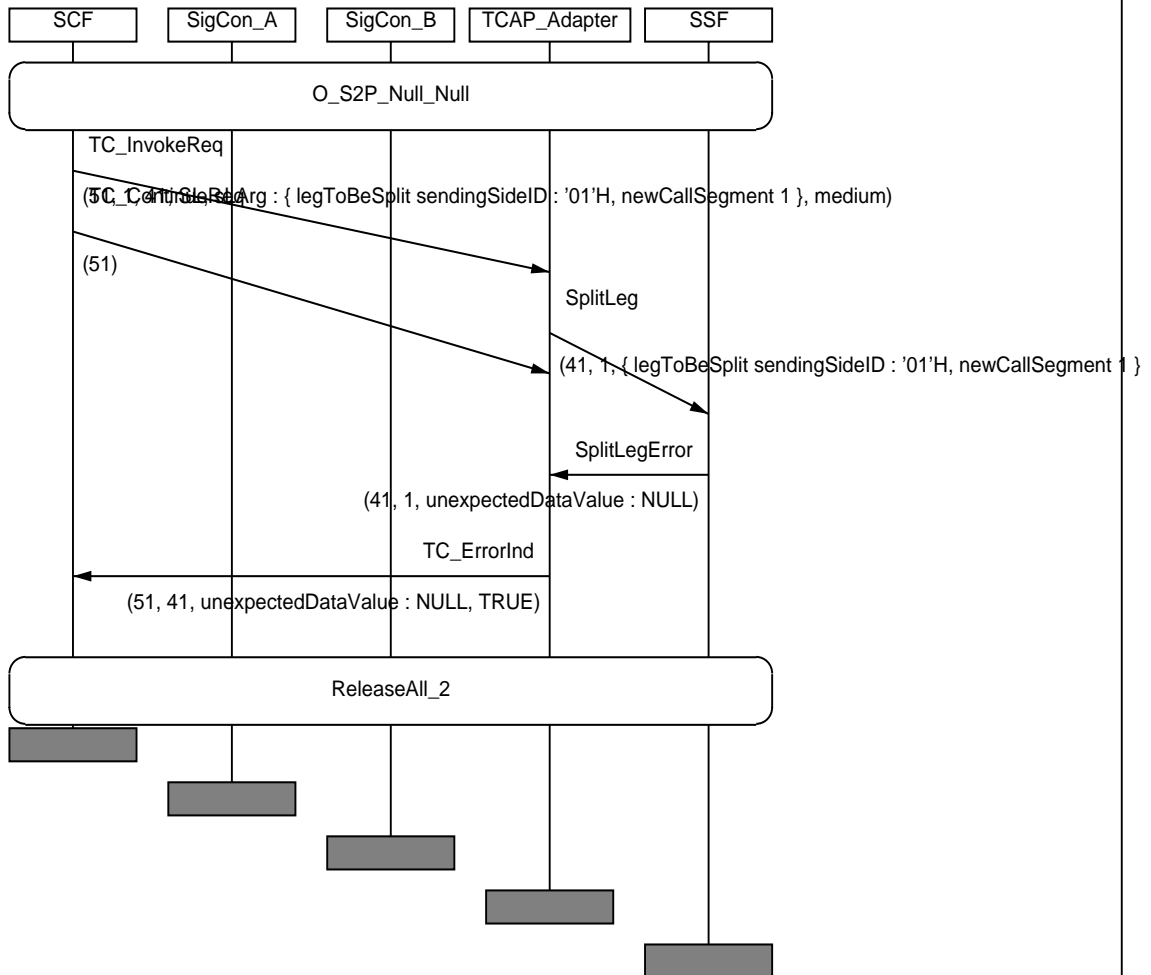
| IN3_A_CPH_SL_BI_01 | |
|---------------------------|--|
| Work item no.: | ITEM_CPH_22 |
| IN2 Ref(tmp) | IN2_A_CPH_SL_BI_01 |
| Purpose: | Verify that the SSF sends to the SCF a SplitLeg ReturnError component (unknownlegID) after having received from the SCF a SplitLeg invoke component with parameter legToBeSplit not being assigned to a leg. |
| Requirements refs | 6.6.3.4.2, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 11.46.1, 11.46.1.1.1, 11.46.3.2, 13.1.12.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | O_S1P_S2P_null |
| Test description | L1!SplitLeg(6,2) |
| Pass criteria | L1?SplitLeg ReturnError(unknownlegID) |
| Postamble: | ReleaseAll_3 |

MSC IN3_A_CPH_SL_BI_01



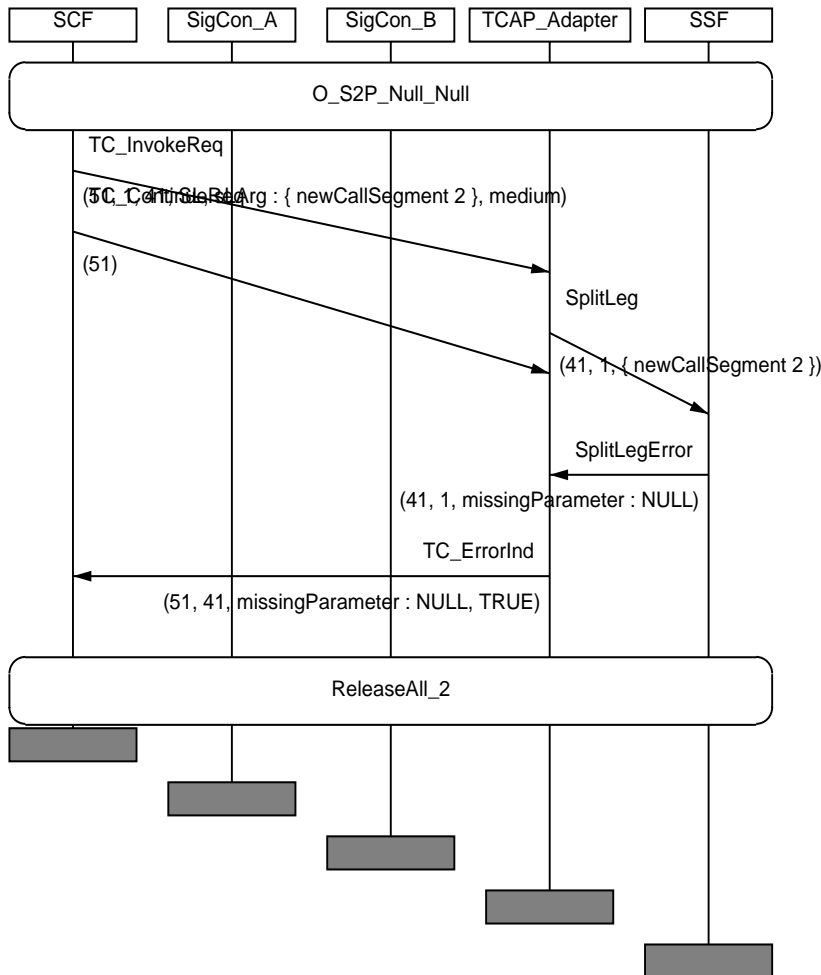
| IN3_A_CPH_SL_BI_02 | |
|---------------------------|--|
| Work item no.: | ITEM_CPH_170 |
| IN2 Ref(tmp) | IN2_A_CPH_SL_BI_01 |
| Purpose: | Verify that the SSF sends to the SCF a SplitLeg ReturnError component (unexpectedDataValue) after having received from the SCF a SplitLeg invoke component with parameter newCallSegment being equal to the (original) csID of the legToBeSplit. |
| Requirements refs | 6.6.3.4.2, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 11.46.1, 11.46.1.1.1, 11.46.3.2, 13.1.12.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | O_S2P_null_null |
| Test description | L1!SplitLeg(1,1) |
| Pass criteria | L1?SplitLeg ReturnError(unexpectedDataValue) |
| Postamble: | ReleaseAll_2 |

MSC IN3_A_CPH_SL_BI_02



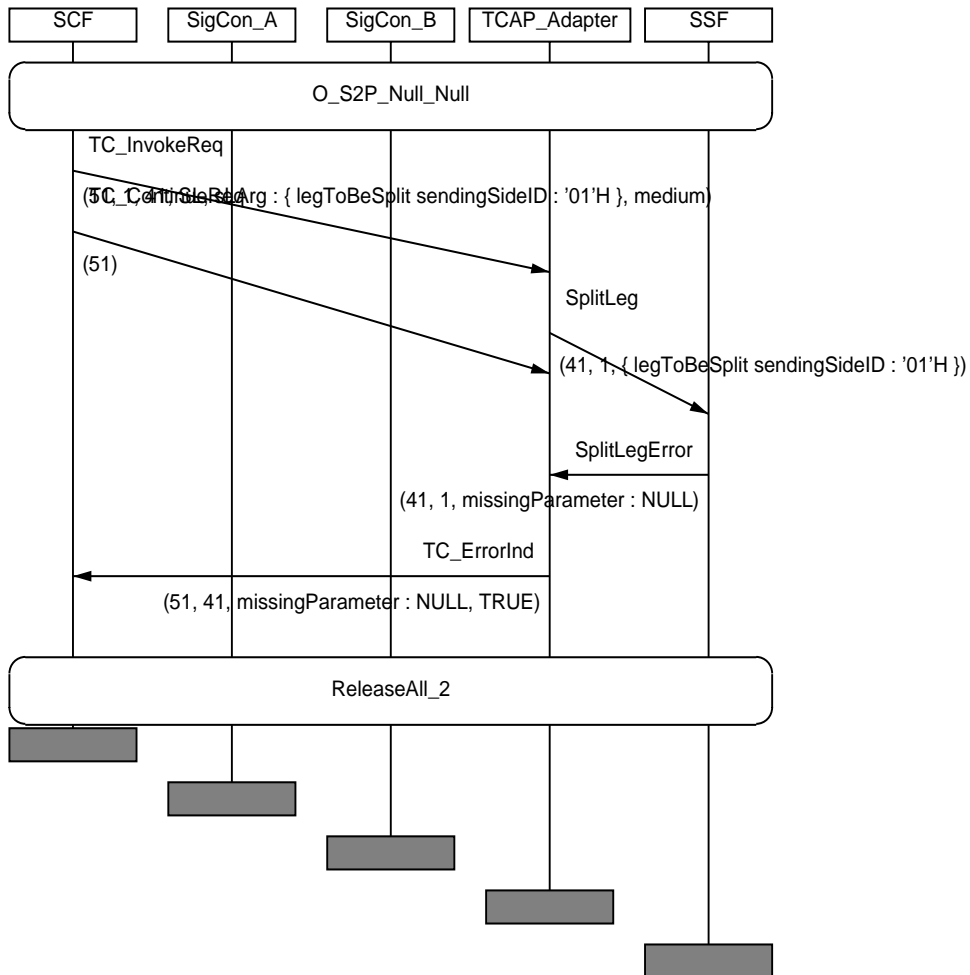
| | IN3_A_CPH_SL_BI_03 |
|--------------------------|--|
| Work item no.: | ITEM_CPH_171 |
| IN2 Ref(tmp) | IN2_A_CPH_SL_BI_01 |
| Purpose: | Verify that the SSF sends to the SCF a SplitLeg ReturnError component (missingParameter) after having received from the SCF a SplitLeg invoke component and parameter legToBeSplit is not contained in the invoke component. |
| Requirements refs | 6.6.3.4.2, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 11.46.1, 11.46.1.1.1, 11.46.3.2, 13.1.12.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | O_S2P_null_null |
| Test description | L1!SplitLeg(.2) (Parameter legToBeSplit is not contained in the component) |
| Pass criteria | L1?SplitLeg ReturnError(missingParameter) |
| Postamble: | ReleaseAll_2 |

MSC IN3_A_CPH_SL_BI_03



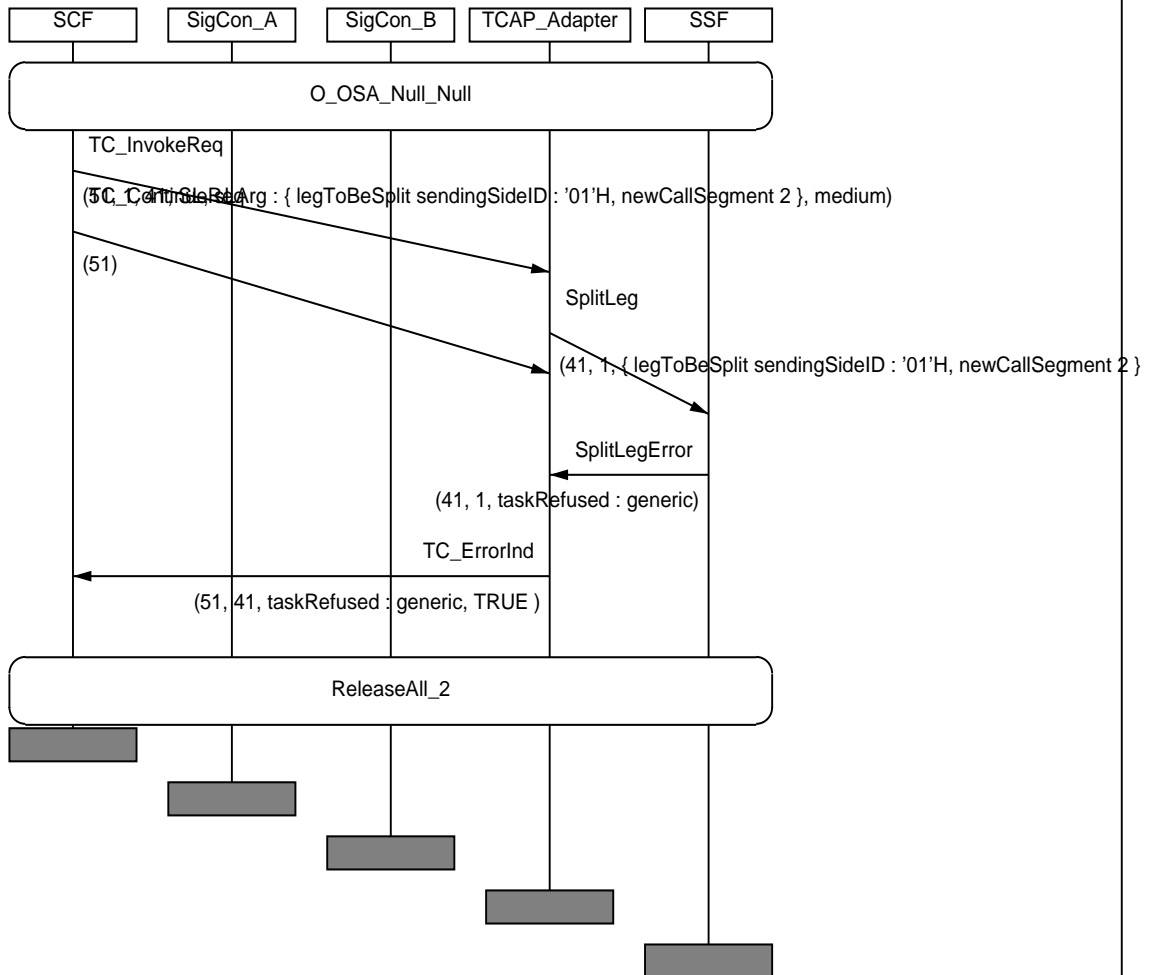
| IN3_A_CPH_SL_BI_04 | |
|---------------------------|--|
| Work item no.: | ITEM_CPH_172 |
| IN2 Ref(tmp) | IN2_A_CPH_SL_BI_01 |
| Purpose: | Verify that the SSF sends to the SCF a SplitLeg ReturnError component (missingParameter) after having received from the SCF a SplitLeg invoke component and parameter newCallSegment is not contained in the invoke component. |
| Requirements refs | 6.6.3.4.2, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 11.46.1, 11.46.1.1.1, 11.46.3.2, 13.1.12.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | O_S2P_null_null |
| Test description | L1!SplitLeg(1,) (Parameter newCallSegment is not contained in the component) |
| Pass criteria | L1?SplitLeg ReturnError(missingParameter) |
| Postamble: | ReleaseAll_2 |

MSC IN3_A_CPH_SL_BI_04



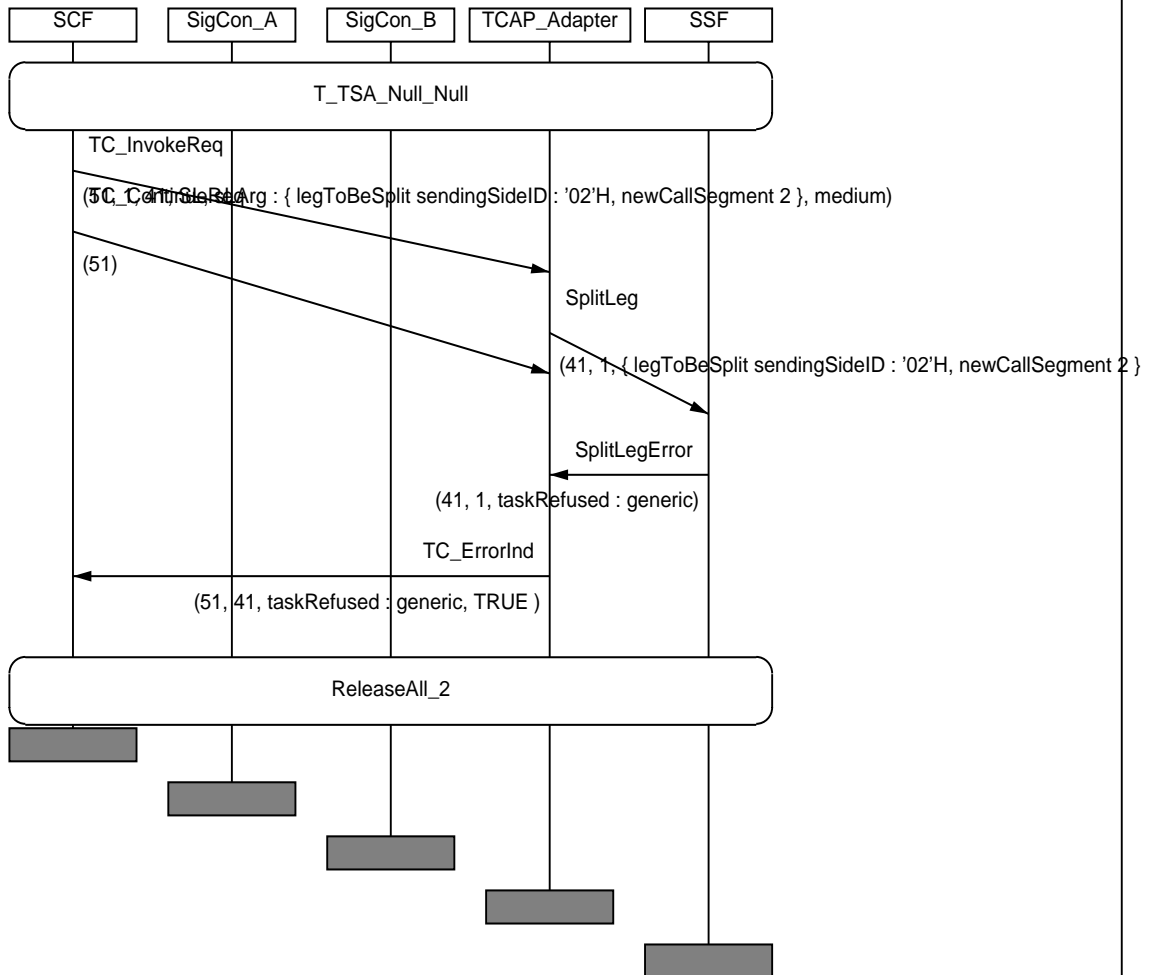
| IN3_A_CPH_SL_BO_01 | |
|---------------------------|---|
| Work item no.: | ITEM_CPH_161 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends to the SCF a SplitLeg ReturnError component (taskRefused), after having received from the SCF a SplitLeg invoke component with the CS of the legToBeSplit (controlling) being in the Originating_Setup state. |
| Requirements refs | 6.6.3.4.2, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 11.46.1, 11.46.1.1.1, 11.46.3.2, 13.1.12.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | O_OSA_null_null |
| Test description | L1!SplitLeg(1,2) |
| Pass criteria | L1?SplitLeg ReturnError(taskRefused) |
| Postamble: | ReleaseAll_2 |

MSC IN3_A_CPH_SL_BO_01



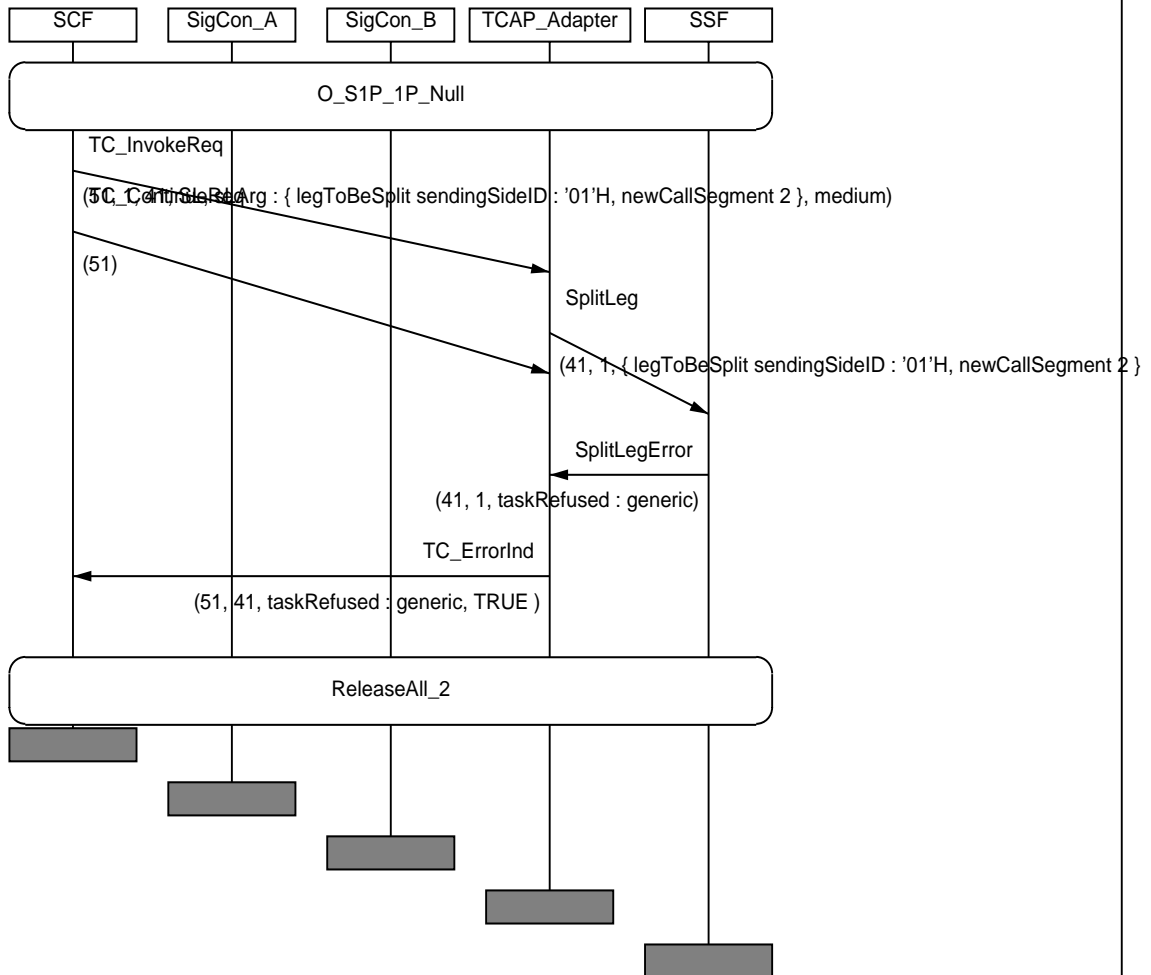
| IN3_A_CPH_SL_BO_02 | |
|---------------------------|---|
| Work item no.: | ITEM_CPH_162 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends to the SCF a SplitLeg ReturnError component (taskRefused), after having received from the SCF a SplitLeg invoke component with the CS of the legToBeSplit (controlling) being in the Terminating_Setup state. |
| Requirements refs | 6.6.3.4.2, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 11.46.1, 11.46.1.1.1, 11.46.3.2, 13.1.12.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | T_TSA_null_null |
| Test description | L1!SplitLeg(2,2) |
| Pass criteria | L1?SplitLeg ReturnError(taskRefused) |
| Postamble: | ReleaseAll_2 |

MSC IN3_A_CPH_SL_BO_02



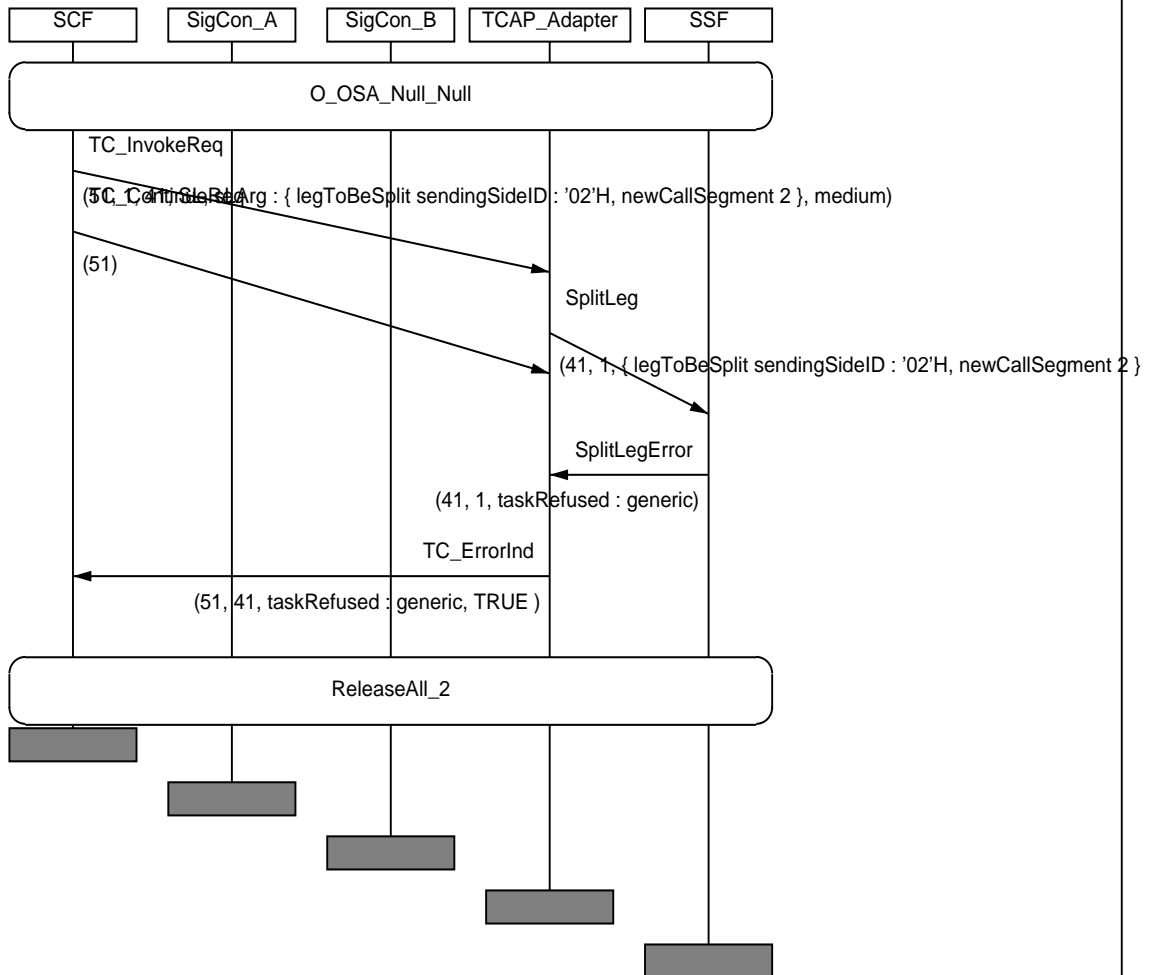
| IN3_A_CPH_SL_BO_03 | |
|---------------------------|---|
| Work item no.: | ITEM_CPH_163 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends to the SCF a SplitLeg ReturnError component (taskRefused), after having received from the SCF a SplitLeg invoke component with the CS of the legToBeSplit (controlling) being in the 1_Party state. |
| Requirements refs | 6.6.3.4.2, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 11.46.1, 11.46.1.1.1, 11.46.3.2, 13.1.12.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | O_S1P_1P_null |
| Test description | L!SplitLeg(1,2) |
| Pass criteria | L?SplitLeg ReturnError(taskRefused) |
| Postamble: | ReleaseAll_2 |

MSC IN3_A_CPH_SL_BO_03



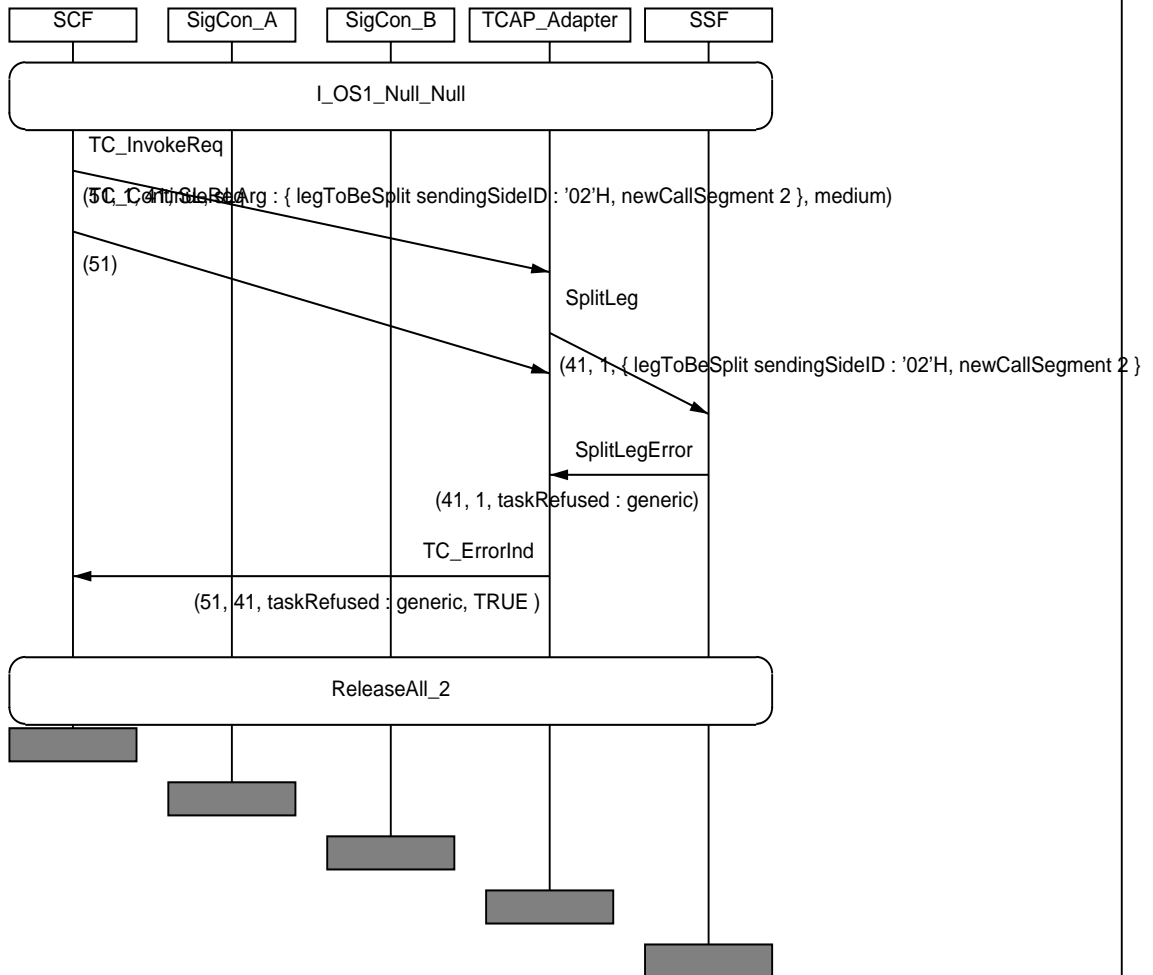
| IN3_A_CPH_SL_BO_04 | |
|---------------------------|---|
| Work item no.: | ITEM_CPH_164 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends to the SCF a SplitLeg ReturnError component (taskRefused), after having received from the SCF a SplitLeg invoke component with the CS of the legToBeSplit (passive) being in the Originating_Setup state. |
| Requirements refs | 6.6.3.4.2, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 11.46.1, 11.46.1.1.1, 11.46.3.2, 13.1.12.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | O_OSA_null_null |
| Test description | L1!SplitLeg(2,2) |
| Pass criteria | L1?SplitLeg ReturnError(taskRefused) |
| Postamble: | ReleaseAll_2 |

MSC IN3_A_CPH_SL_BO_04



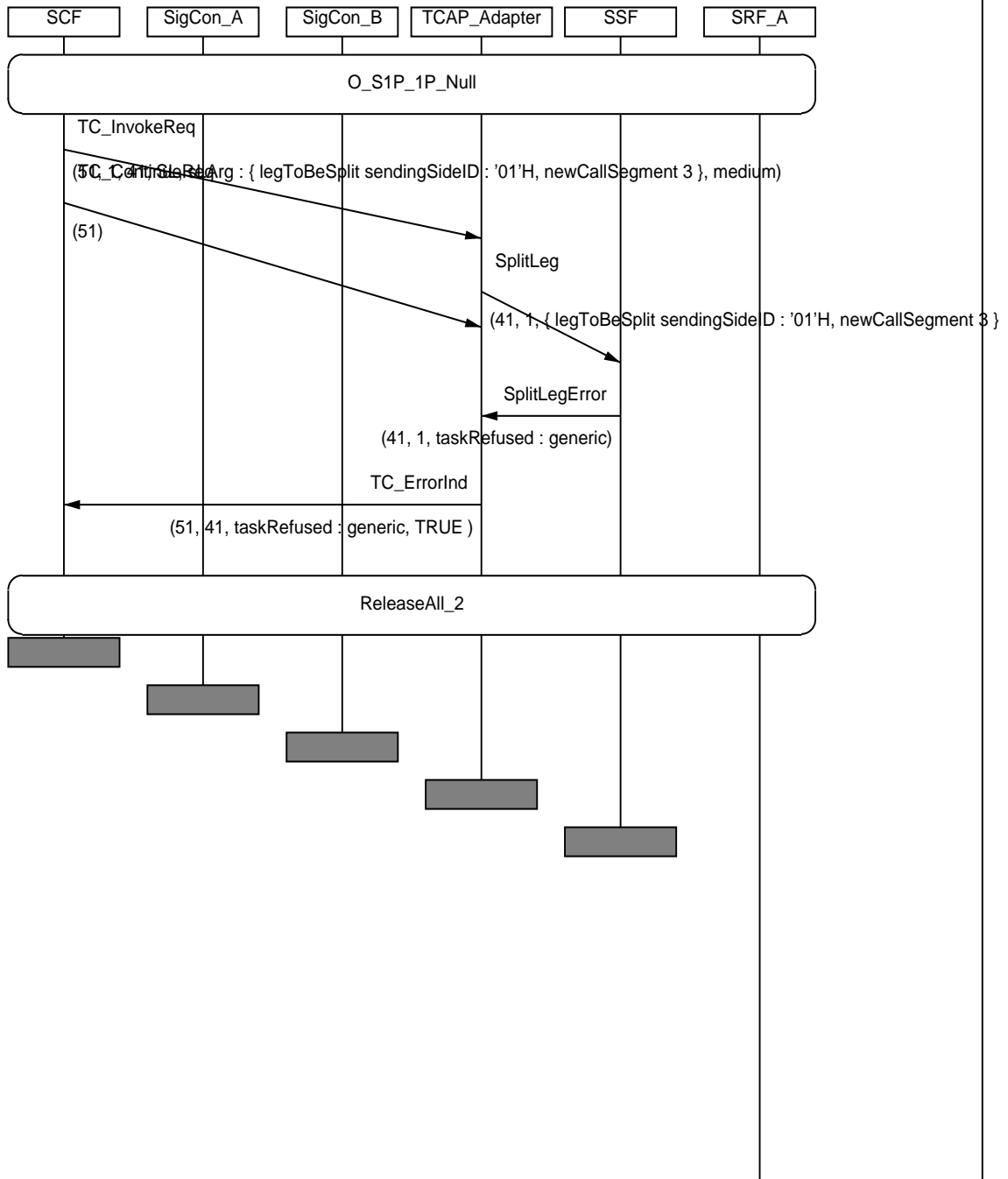
| IN3_A_CPH_SL_BO_05 | |
|---------------------------|---|
| Work item no.: | ITEM_CPH_165 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends to the SCF a SplitLeg ReturnError component (taskRefused), after having received from the SCF a SplitLeg invoke component with the CS of the legToBeSplit (passive) being in the Originating_1_Party_Setup state. |
| Requirements refs | 6.6.3.4.2, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 11.46.1, 11.46.1.1.1, 11.46.3.2, 13.1.12.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | I_OS1_null_null |
| Test description | L1!SplitLeg(2,2) |
| Pass criteria | L1?SplitLeg ReturnError(taskRefused) |
| Postamble: | ReleaseAll_2 |

MSC IN3_A_CPH_SL_BO_05



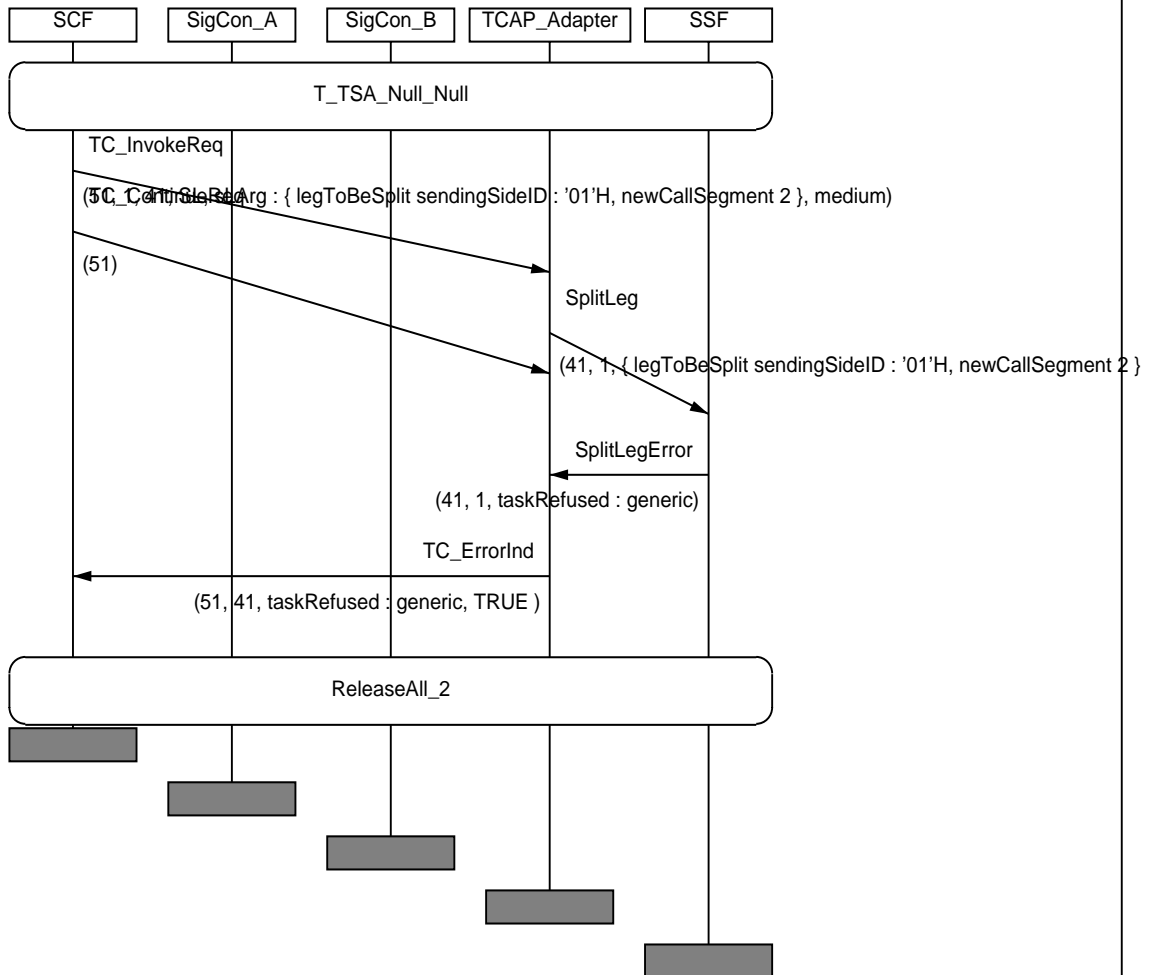
| IN3_A_CPH_SL_BO_06 | |
|---------------------------|--|
| Work item no.: | ITEM_CPH_166 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends to the SCF a SplitLeg ReturnError component (taskRefused), after having received from the SCF a SplitLeg invoke component with the CS of the legToBeSplit (passive) being in the Stable_1_Party state. |
| Requirements refs | 6.6.3.4.2, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 11.46.1, 11.46.1.1.1, 11.46.3.2, 13.1.12.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | O_S1P_1P_null |
| Test description | L1!SplitLeg(1,3) |
| Pass criteria | L1?SplitLeg ReturnError(taskRefused) |
| Postamble: | ReleaseAll_2 |

MSC IN3_A_CPH_SL_BO_06



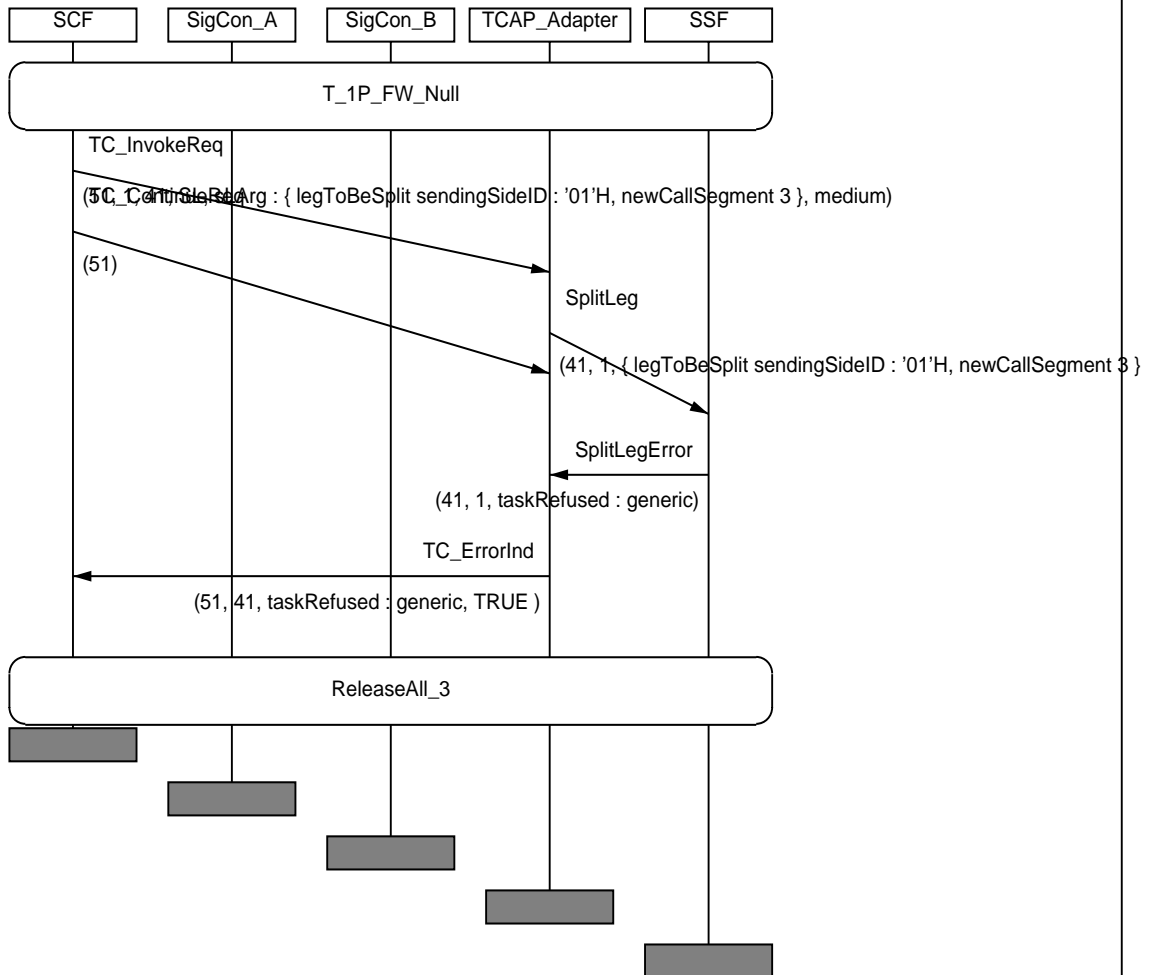
| IN3_A_CPH_SL_BO_07 | |
|---------------------------|---|
| Work item no.: | ITEM_CPH_167 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends to the SCF a SplitLeg ReturnError component (taskRefused), after having received from the SCF a SplitLeg invoke component with the CS of the legToBeSplit (passive) being in the Terminating_Setup state. |
| Requirements refs | 6.6.3.4.2, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 11.46.1, 11.46.1.1.1, 11.46.3.2, 13.1.12.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | T_TSA_null_null |
| Test description | L1!SplitLeg(1,2) |
| Pass criteria | L1?SplitLeg ReturnError(taskRefused) |
| Postamble: | ReleaseAll_2 |

MSC IN3_A_CPH_SL_BO_07



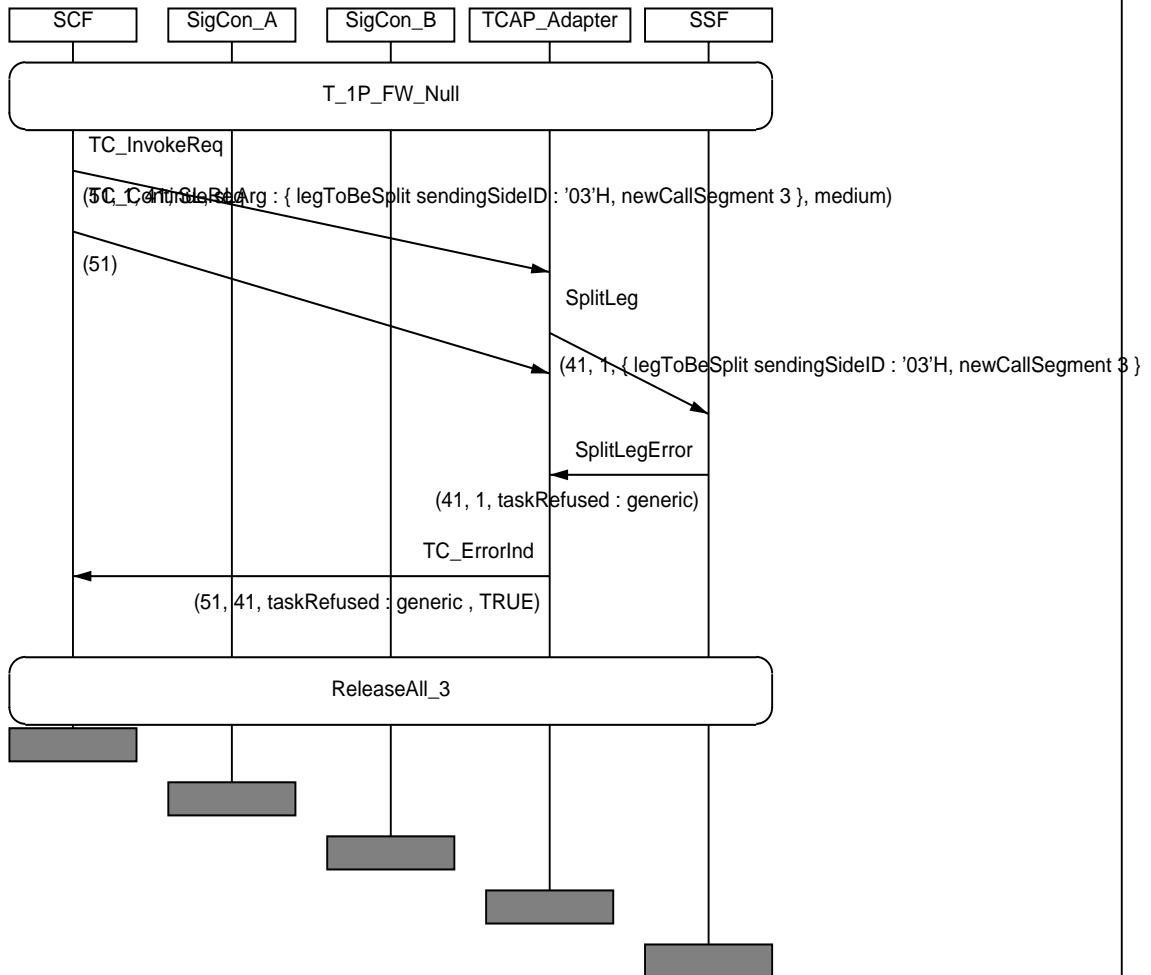
| IN3_A_CPH_SL_BO_08 | |
|---------------------------|--|
| Work item no.: | ITEM_CPH_168 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends to the SCF a SplitLeg ReturnError component (taskRefused), after having received from the SCF a SplitLeg invoke component with the CS of the legToBeSplit (passive,joined) being in the Forward state. |
| Requirements refs | 6.6.3.4.2, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 11.46.1, 11.46.1.1.1, 11.46.3.2, 13.1.12.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | T_1P_FW_null |
| Test description | L1!SplitLeg(1,3) |
| Pass criteria | L1?SplitLeg ReturnError(taskRefused) |
| Postamble: | ReleaseAll_3 |

MSC IN3_A_CPH_SL_BO_08



| IN3_A_CPH_SL_BO_09 | |
|---------------------------|---|
| Work item no.: | ITEM_CPH_169 |
| IN2 Ref(tmp) | |
| Purpose: | Verify that the SSF sends to the SCF a SplitLeg ReturnError component (taskRefused), after having received from the SCF a SplitLeg invoke component with the CS of the legToBeSplit (passive,pending) being in the Forward state. |
| Requirements refs | 6.6.3.4.2, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 11.46.1, 11.46.1.1.1, 11.46.3.2, 13.1.12.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | T_1P_FW_null |
| Test description | L1!SplitLeg(3,3) |
| Pass criteria | L1?SplitLeg ReturnError(taskRefused) |
| Postamble: | ReleaseAll_3 |

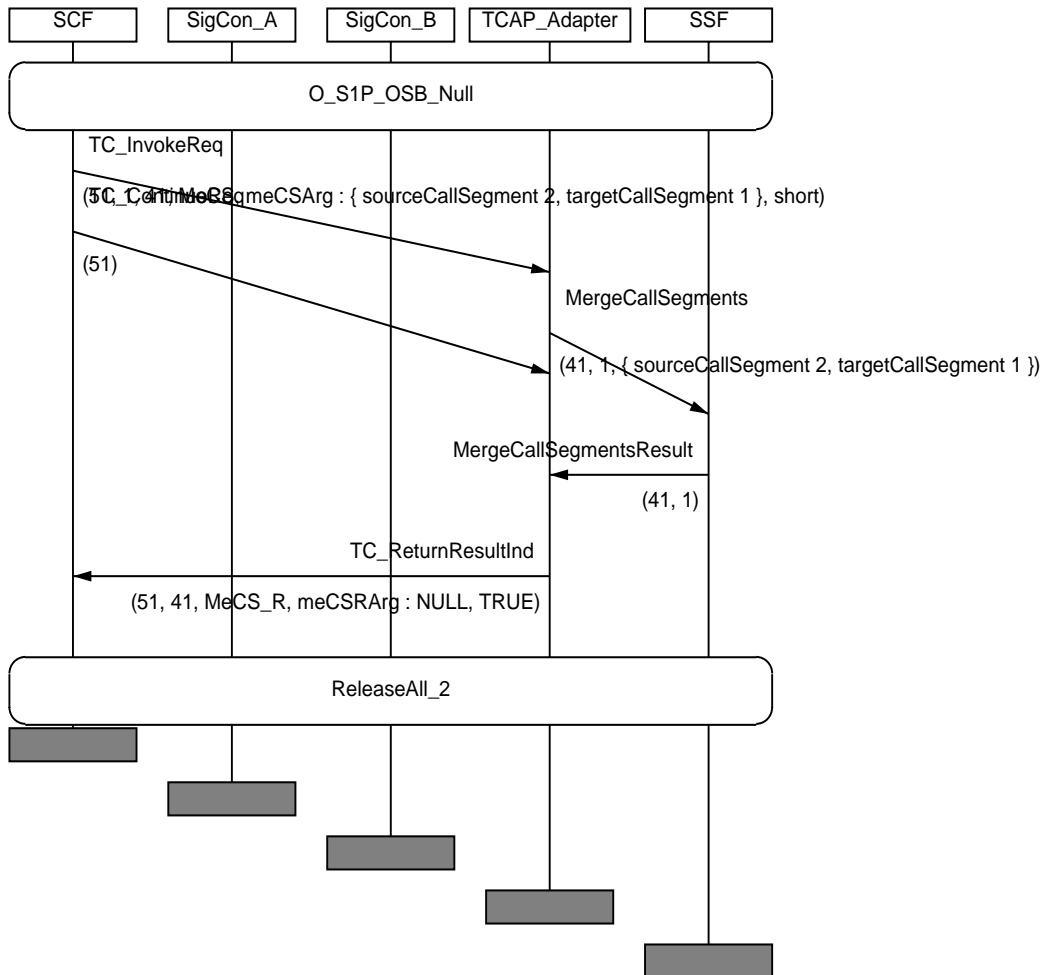
MSC IN3_A_CPH_SL_BO_09



8.4 MergeCallSegments (MECS) procedure

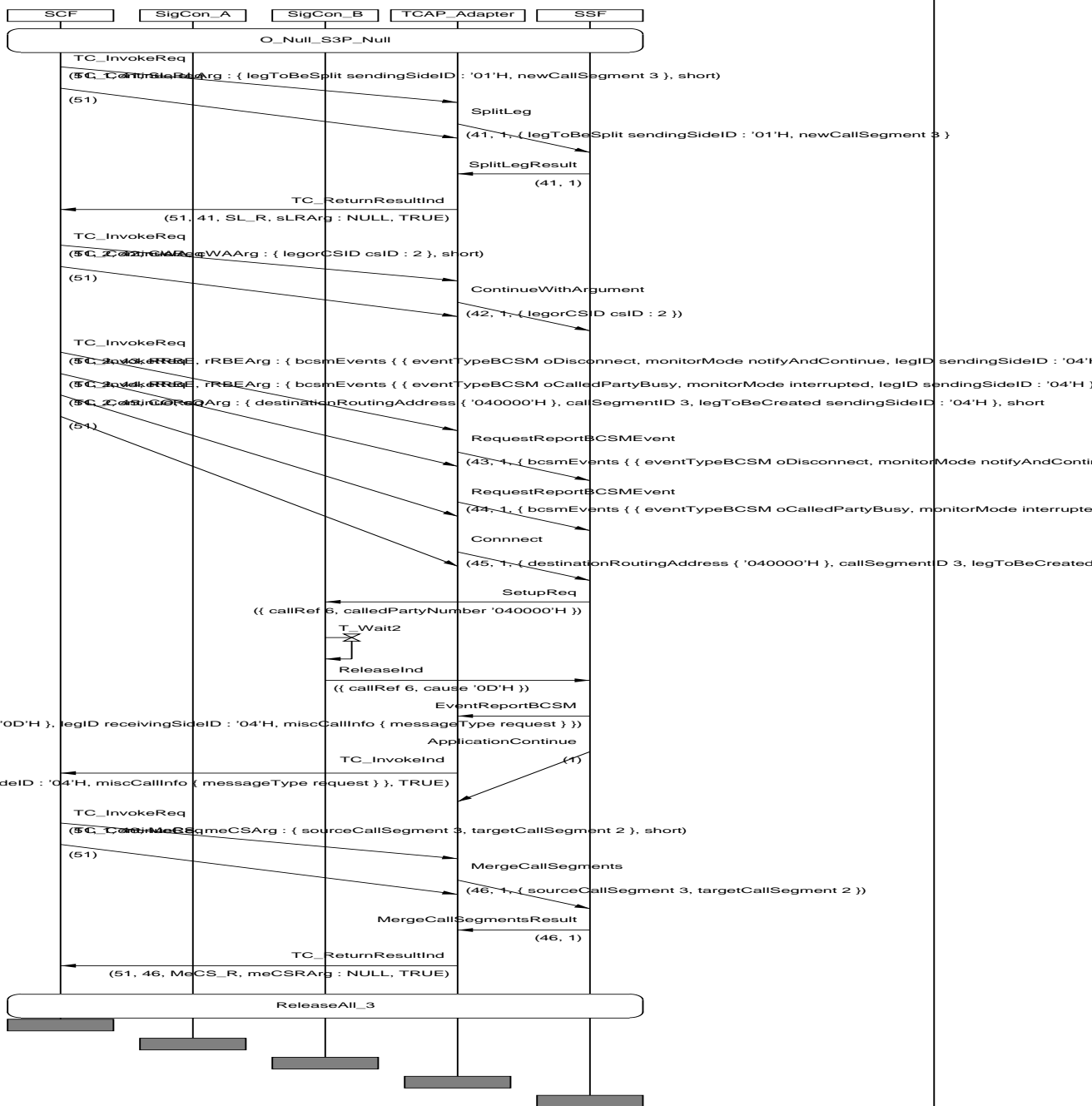
| IN3_A_CPH_MECS_BV_01 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_173 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MergeCallSegments ReturnResult component when having received a MergeCallSegments invoke component with the sourceCS being in the Originating_Setup state (waiting for instructions in the O_Called_Party_Busy DP) and the targetCS being in the Stable_1_Party state. |
| Requirements refs | 11.29.1, 11.29.1.1.1, 11.29.3.1 (table 23) |
| Selection Cond. | |
| Preamble: | O_S1P_OSB_null |
| Test description | L1!MergeCallSegments(2,1) |
| Pass criteria | L1?MergeCallSegments ReturnResult |
| Postamble: | ReleaseAll_2 |

MSC IN3_A_CPH_MECS_BV_01



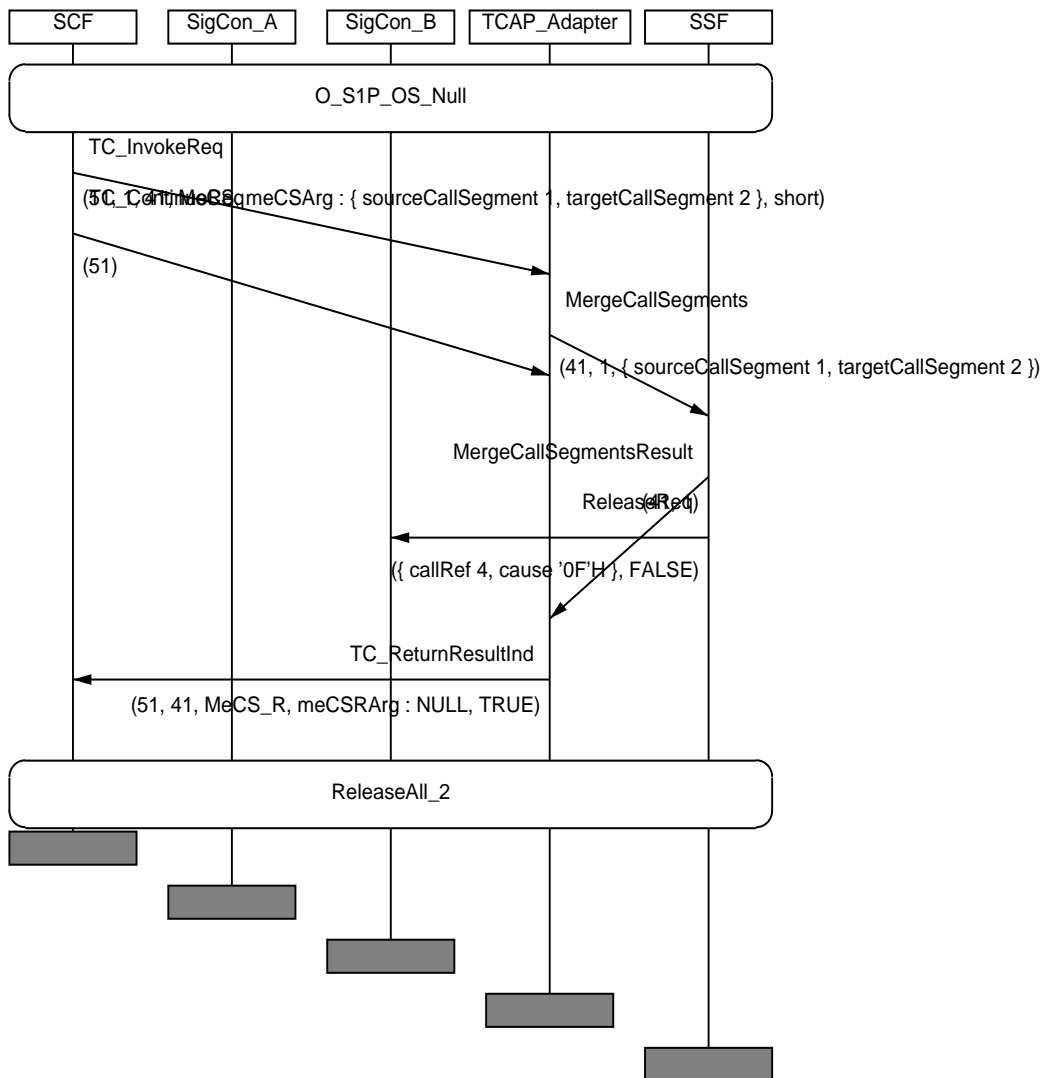
| IN3_A_CPH_MECS_BV_02 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_174 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MergeCallSegments ReturnResult component when having received a MergeCallSegments invoke component with the sourceCS being in the Originating_Setup state (waiting for instructions in the O_Called_Party_Busy DP) and the targetCS being in the Stable_Multi_Passive_Party state. |
| Requirements refs | 11.29.1, 11.29.1.1.1, 11.29.3.1 (table 23) |
| Selection Cond. | |
| Preamble: | O_null_S3P_null |
| Test description | L1!SplitLeg(1,3) L1?SplitLegReturnResult L1!ContinueWithArgument (csID = 2) L1!RequestReportBCSMEvent(4,notifyAndContinue,oDisconnect) L1!RequestReportBCSMEvent(4,interrupted,oCalledPartyBusy) L1!Connect(4,3) CP1_4?SetUpReq CP1_4!ReleaseInd(Busy cause) L1?EventReportBCSM(4,oCalledPartyBusy) L1!MergeCallSegments(3,2) |
| Pass criteria | L1?MergeCallSegments ReturnResult |
| Postamble: | ReleaseAll_3 |

MSC IN3_A_CPH_MECS_BV_02



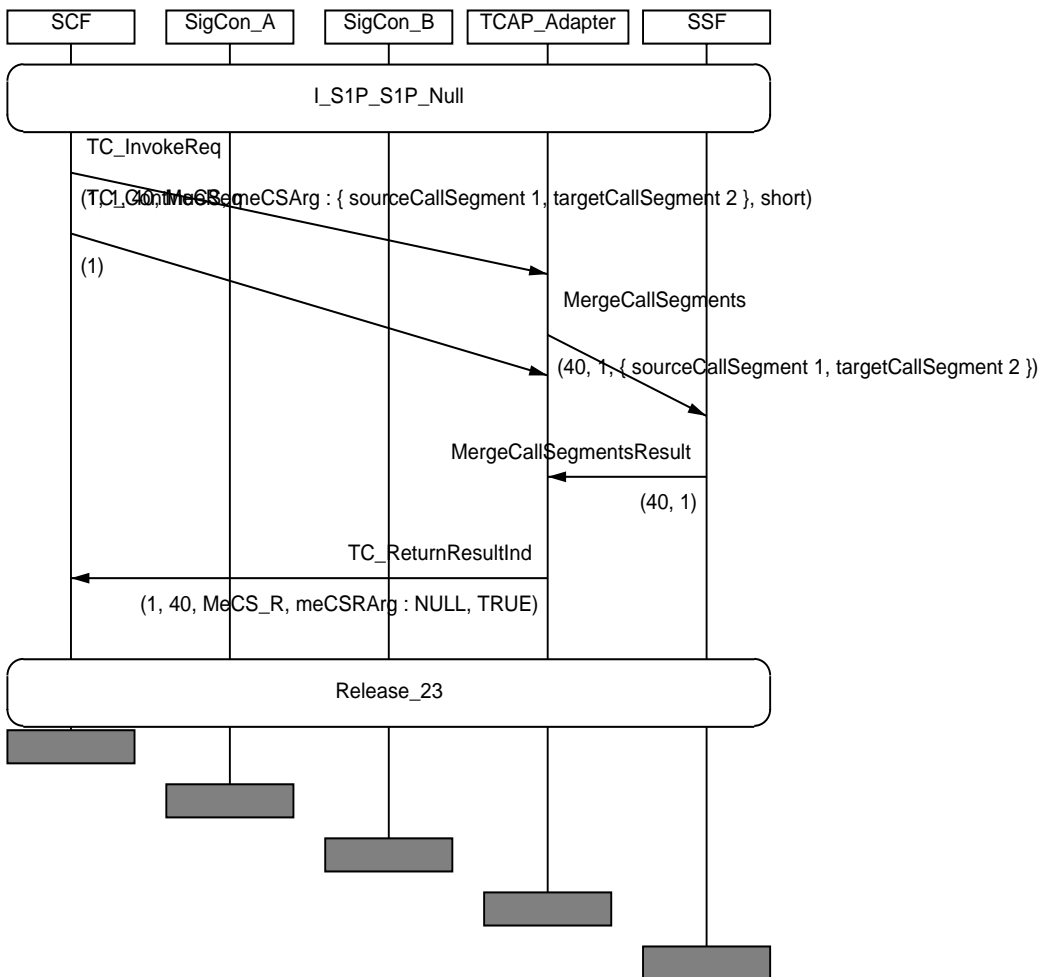
| IN3_A_CPH_MECS_BV_03 | |
|-----------------------------|---|
| Work item no.: | ITEM_CPH_175 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MergeCallSegments ReturnResult component when having received a MergeCallSegments invoke component with the sourceCS being in the Stable_1_Party state and the targetCS being in the Originating_Setup state. |
| Requirements refs | 11.29.1, 11.29.1.1.1, 11.29.3.1 (table 23) |
| Selection Cond. | |
| Preamble: | O_S1P_OS_null |
| Test description | L1!MergeCallSegments(1,2) L1?MergeCallSegments ReturnResult CP1_3?ReleaseReq |
| Pass criteria | L1?MergeCallSegments ReturnResult |
| Postamble: | ReleaseAll_2 |

MSC IN3_A_CPH_MECS_BV_03



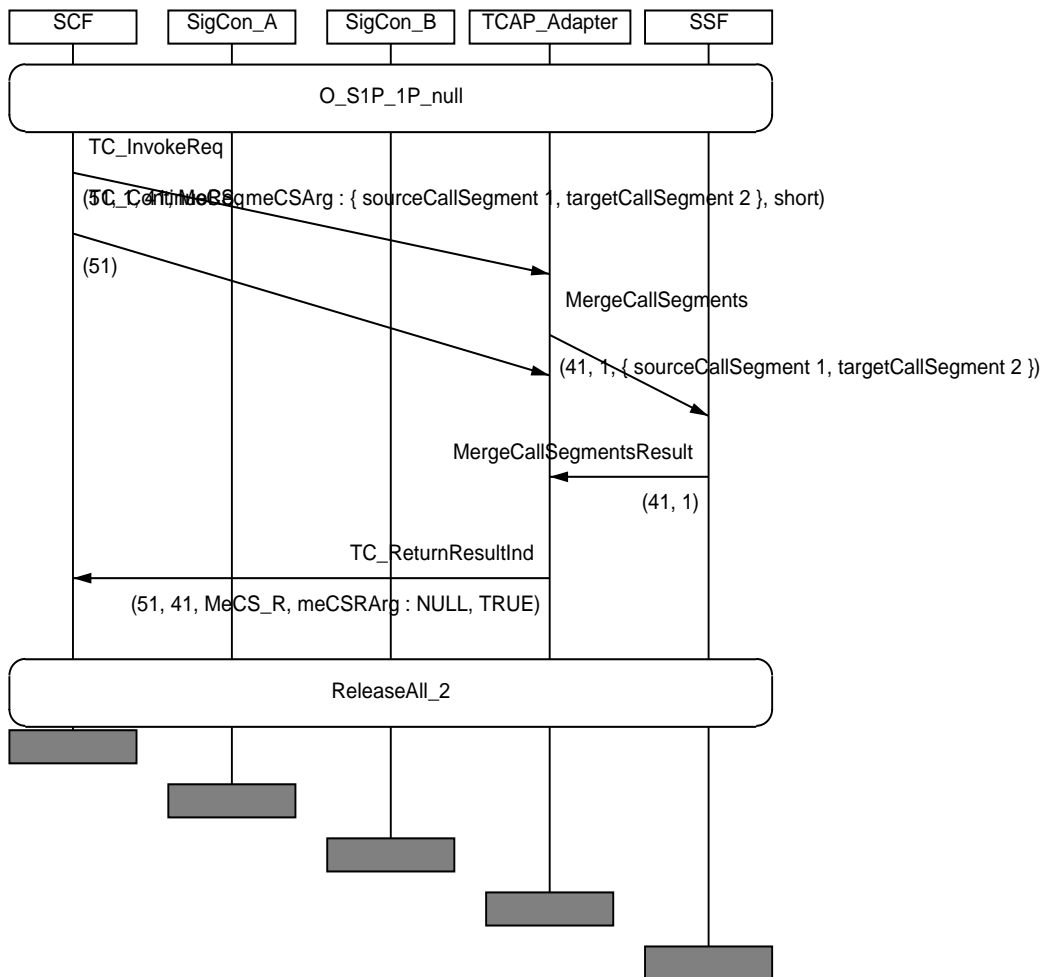
| IN3_A_CPH_MECS_BV_04 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_176 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MergeCallSegments ReturnResult component when having received a MergeCallSegments invoke component with the sourceCS being in the Stable_1_Party state and the targetCS being in the Stable_1_Party state. |
| Requirements refs | 11.29.1, 11.29.1.1.1, 11.29.3.1 (table 23) |
| Selection Cond. | |
| Preamble: | I_S1P_S1P_null |
| Test description | L1!MergeCallSegments(1,2) |
| Pass criteria | L1?MergeCallSegments ReturnResult |
| Postamble: | Release_23 |

MSC IN3_A_CPH_MECS_BV_04



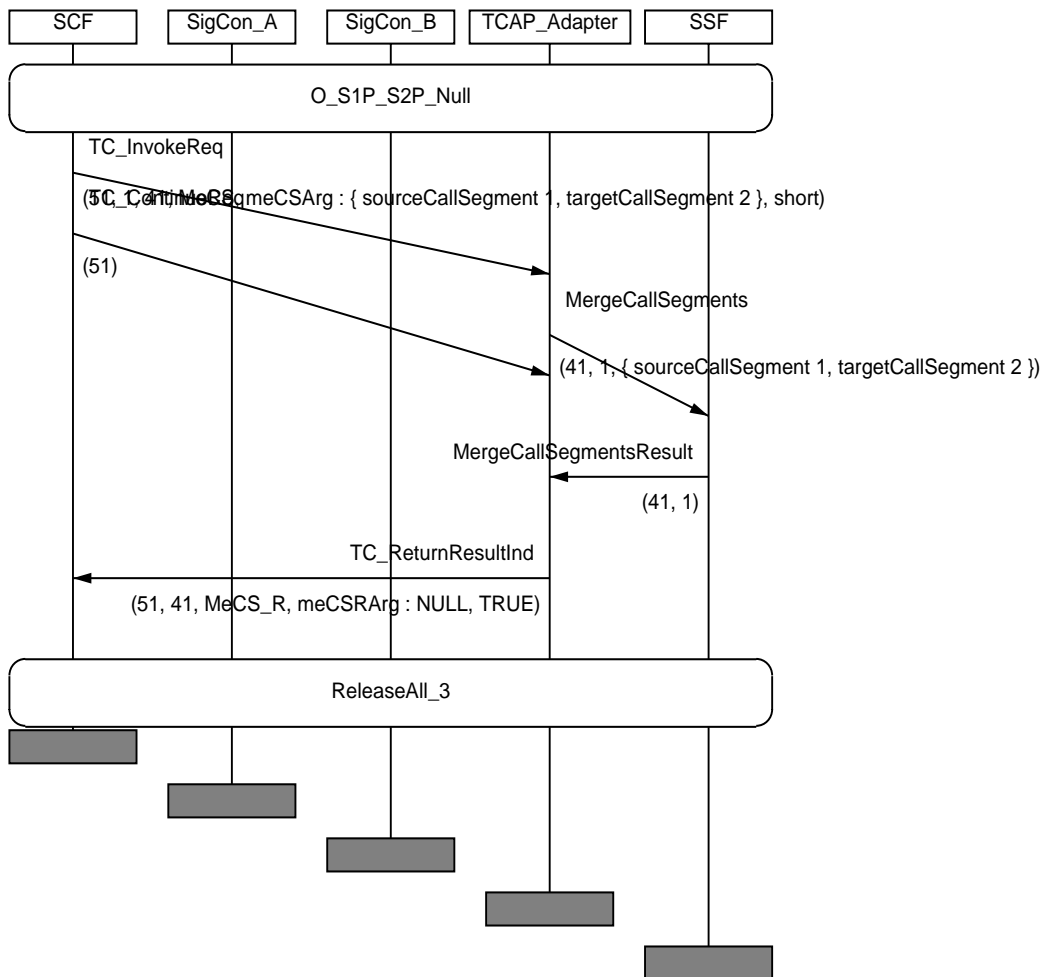
| IN3_A_CPH_MECS_BV_05 | |
|-----------------------------|---|
| Work item no.: | ITEM_CPH_177 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MergeCallSegments ReturnResult component when having received a MergeCallSegments invoke component with the sourceCS being in the Stable_1_Party state and the targetCS being in the 1_Party state. |
| Requirements refs | 11.29.1, 11.29.1.1.1, 11.29.3.1 (table 23) |
| Selection Cond. | |
| Preamble: | O_S1P_1P_null |
| Test description | L1!MergeCallSegments(1,2) |
| Pass criteria | L1?MergeCallSegments ReturnResult |
| Postamble: | ReleaseAll_2 |

MSC IN3_A_CPH_MECS_BV_05



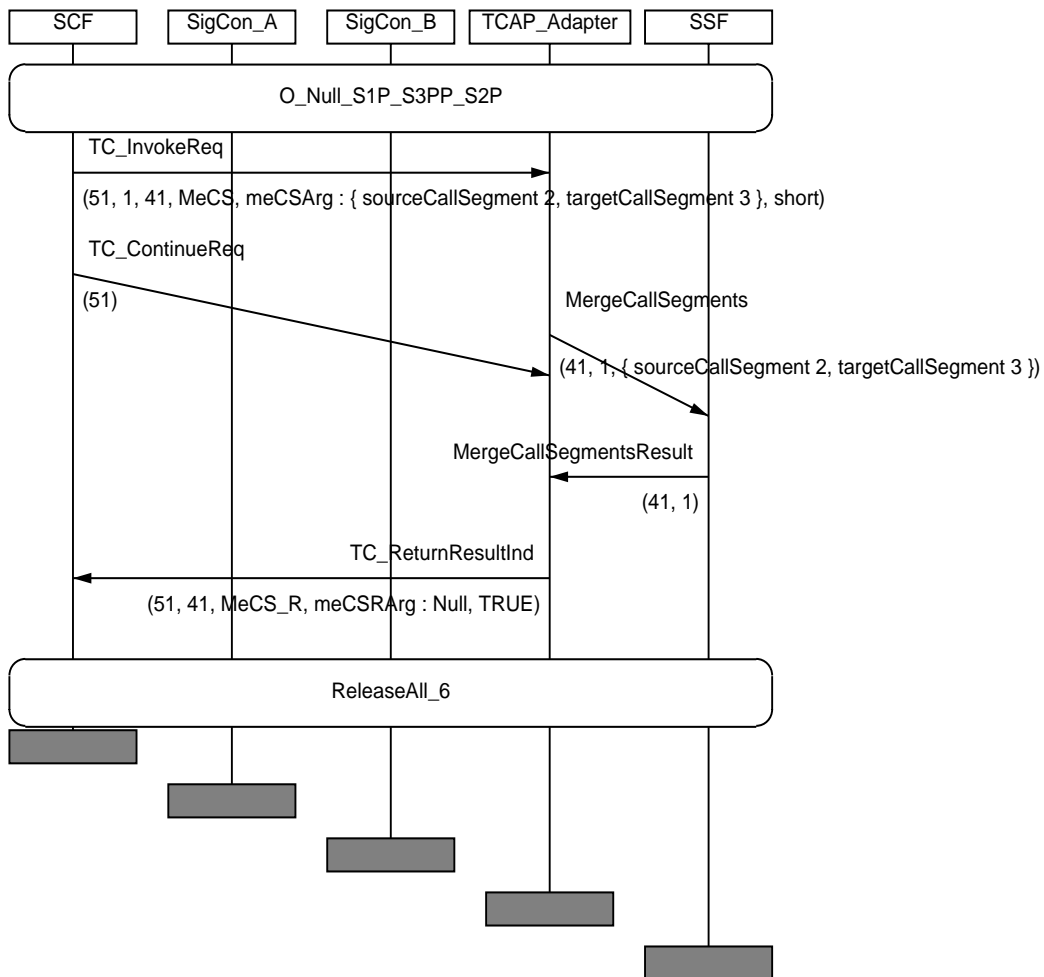
| IN3_A_CPH_MECS_BV_06 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_178 |
| IN2 Ref(tmp) | IN2_A_CPH_MC_BV_01 |
| Purpose: | Verify that the SSF sends a MergeCallSegments ReturnResult component when having received a MergeCallSegments invoke component with the sourceCS being in the Stable_1_Party state and the targetCS being in the Stable_2_Party state. |
| Requirements refs | 11.29.1, 11.29.1.1.1, 11.29.3.1 (table 23) |
| Selection Cond. | |
| Preamble: | O_S1P_S2P_null |
| Test description | L1!MergeCallSegments(1,2) |
| Pass criteria | L1?MergeCallSegments ReturnResult |
| Postamble: | ReleaseAll_3 |

MSC IN3_A_CPH_MECS_BV_06



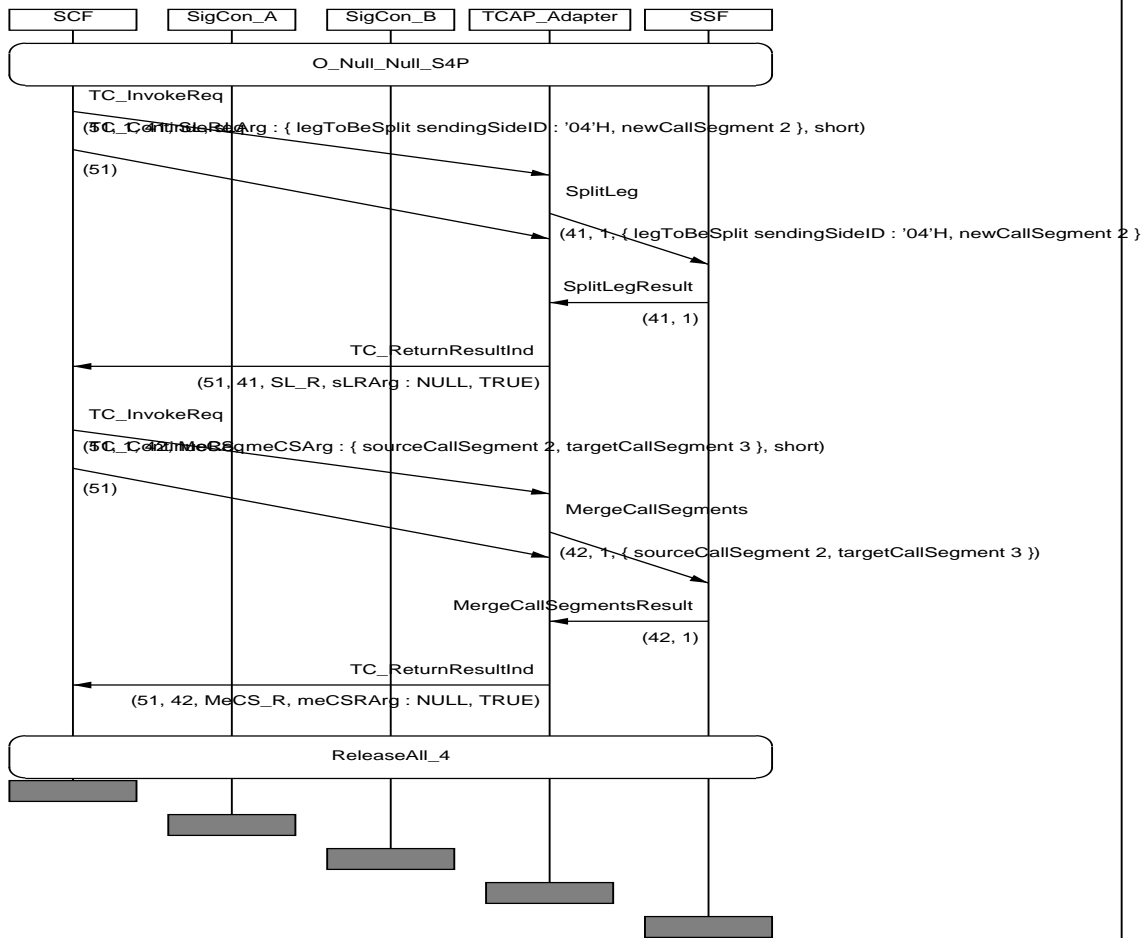
| IN3_A_CPH_MECS_BV_07 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_179 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MergeCallSegments ReturnResult component when having received a MergeCallSegments invoke component with the sourceCS being in the Stable_1_Party state and the targetCS being in the Stable_Multi_Passive_Party state. |
| Requirements refs | 11.29.1, 11.29.1.1.1, 11.29.3.1 (table 23) |
| Selection Cond. | |
| Preamble: | O_null_S1P_S3PP_S2P |
| Test description | L1!MergeCallSegments(2,3) |
| Pass criteria | L1?MergeCallSegments ReturnResult |
| Postamble: | ReleaseAll_6 |

MSC IN3_A_CPH_MECS_BV_07



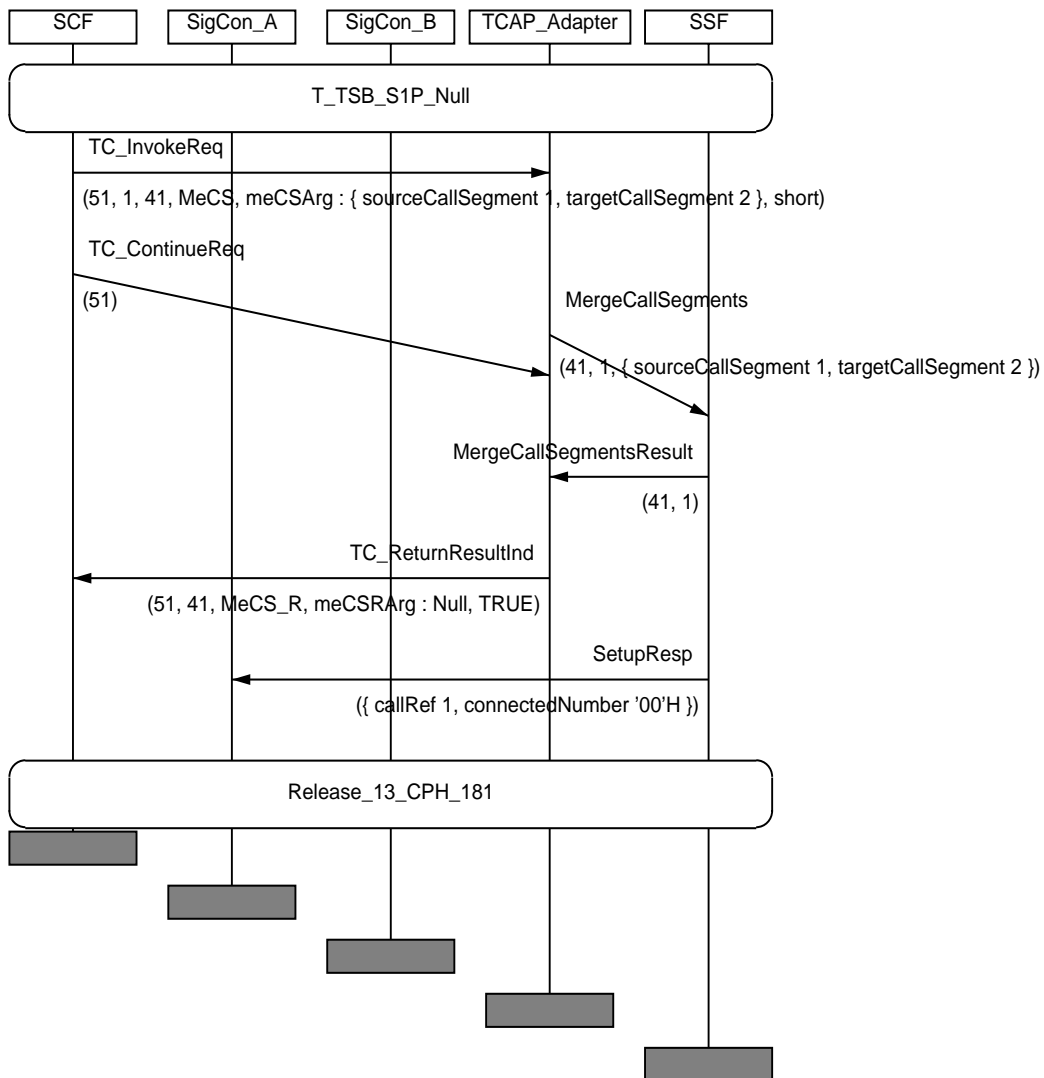
| IN3_A_CPH_MECS_BV_08 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_180 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MergeCallSegments ReturnResult component when having received a MergeCallSegments invoke component with the sourceCS being in the Stable_1_Party state and the targetCS being in the Stable_Multi_Party state. |
| Requirements refs | 11.29.1, 11.29.1.1.1, 11.29.3.1 (table 23) |
| Selection Cond. | |
| Preamble: | O_null_null_S4P |
| Test description | L1!SplitLeg(4,2) L1?SplitLegReturnResult L1!MergeCallSegments(2,3) |
| Pass criteria | L1?MergeCallSegments ReturnResult |
| Postamble: | ReleaseAll_4 |

MSC IN3_A_CPH_MECS_BV_08



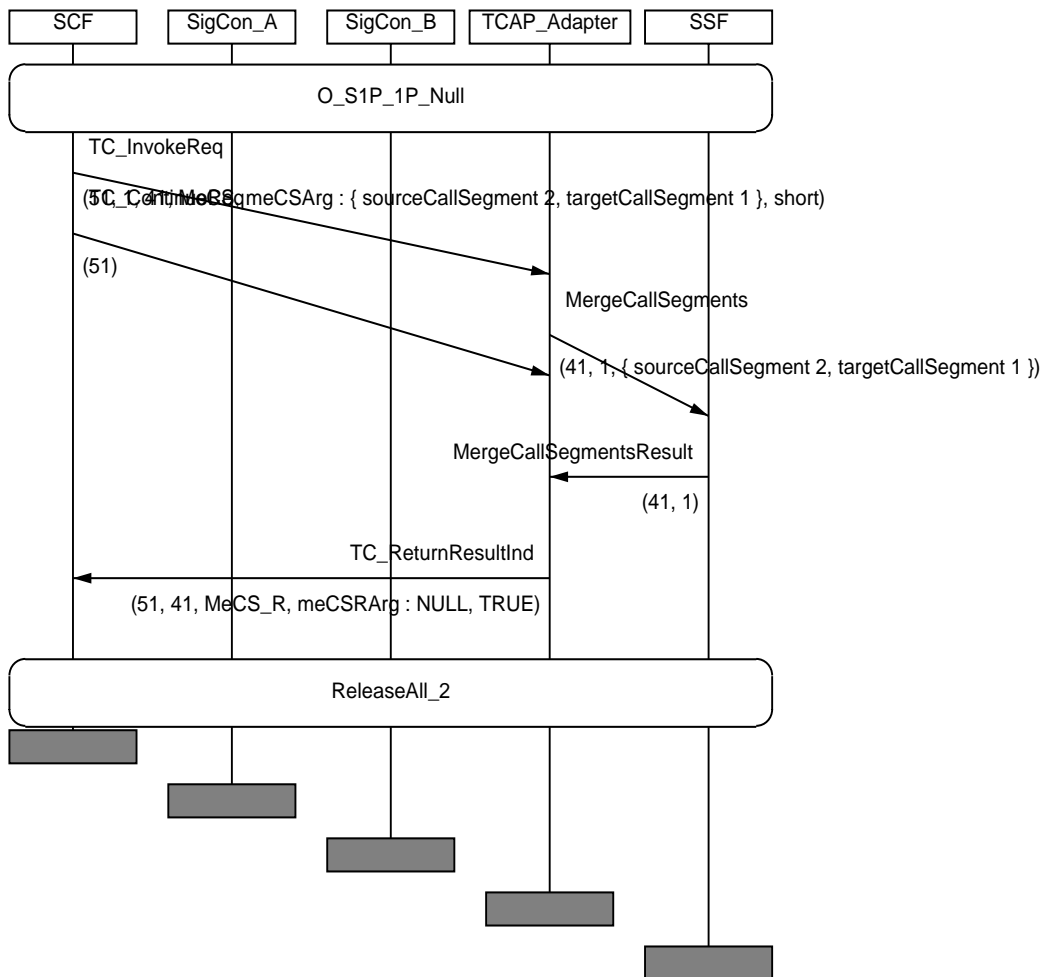
| IN3_A_CPH_MECS_BV_09 | |
|-----------------------------|---|
| Work item no.: | ITEM_CPH_181 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MergeCallSegments ReturnResult component when having received a MergeCallSegments invoke component with the sourceCS being in the Terminating_Setup state (waiting for instructions in the T_Busy DP) and the targetCS being in the Stable_1_Party state. |
| Requirements refs | 11.29.1, 11.29.1.1.1, 11.29.3.1 (table 23) |
| Selection Cond. | |
| Preamble: | T_TSB_S1P_null |
| Test description | L1!MergeCallSegments(1,2) |
| Pass criteria | L1?MergeCallSegments ReturnResult CP1_1!SetUpConf |
| Postamble: | Release_13 |

MSC IN3_A_CPH_MECS_BV_09



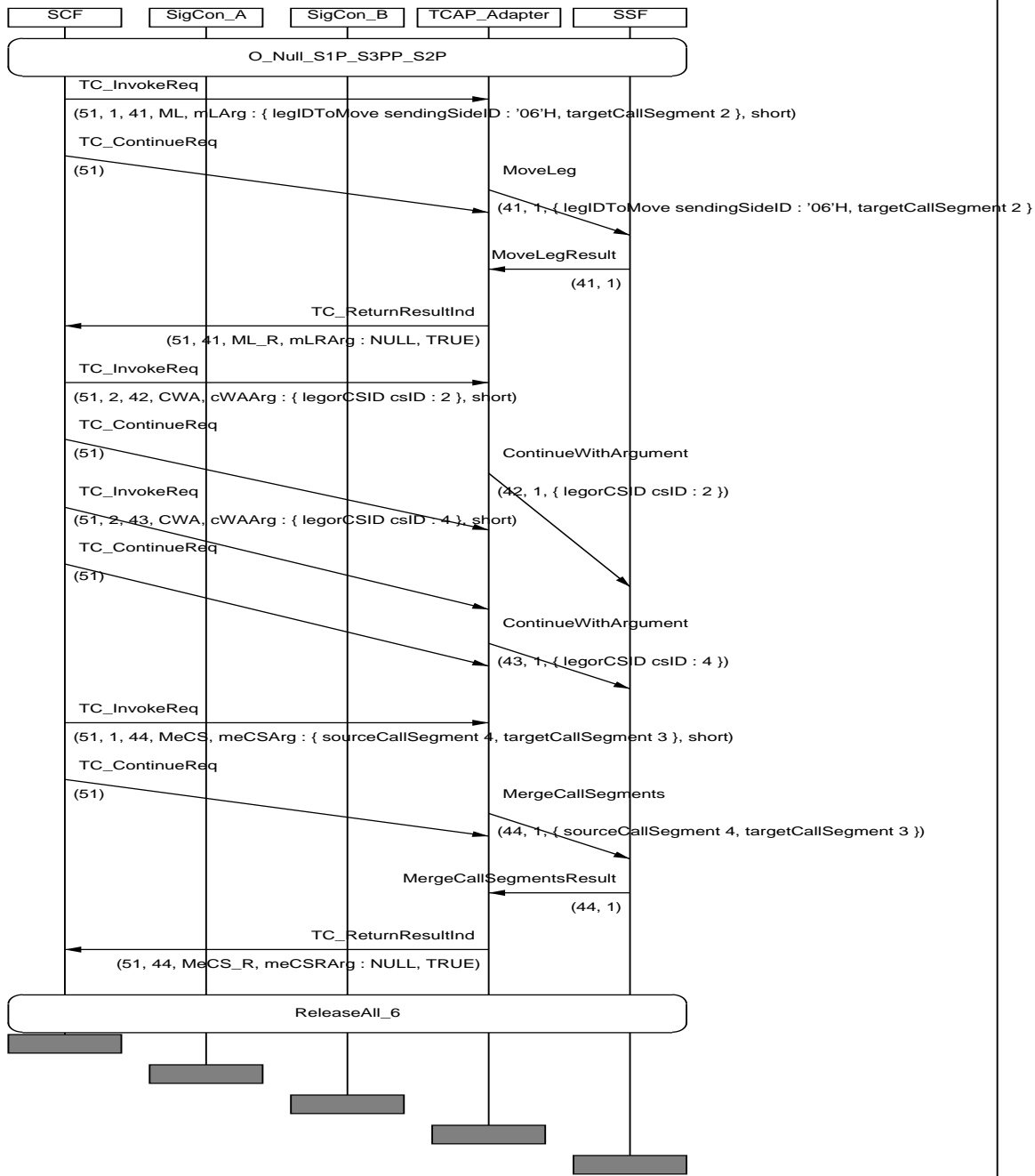
| IN3_A_CPH_MECS_BV_11 | |
|-----------------------------|---|
| Work item no.: | ITEM_CPH_183 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MergeCallSegments ReturnResult component when having received a MergeCallSegments invoke component with the sourceCS being in the 1_Party state and the targetCS being in the Stable_1_Party state. |
| Requirements refs | 11.29.1, 11.29.1.1.1, 11.29.3.1 (table 23) |
| Selection Cond. | |
| Preamble: | O_S1P_1P_null |
| Test description | L1!MergeCallSegments(2,1) |
| Pass criteria | L1?MergeCallSegments ReturnResult |
| Postamble: | ReleaseAll_2 |

MSC IN3_A_CPH_MECS_BV_11



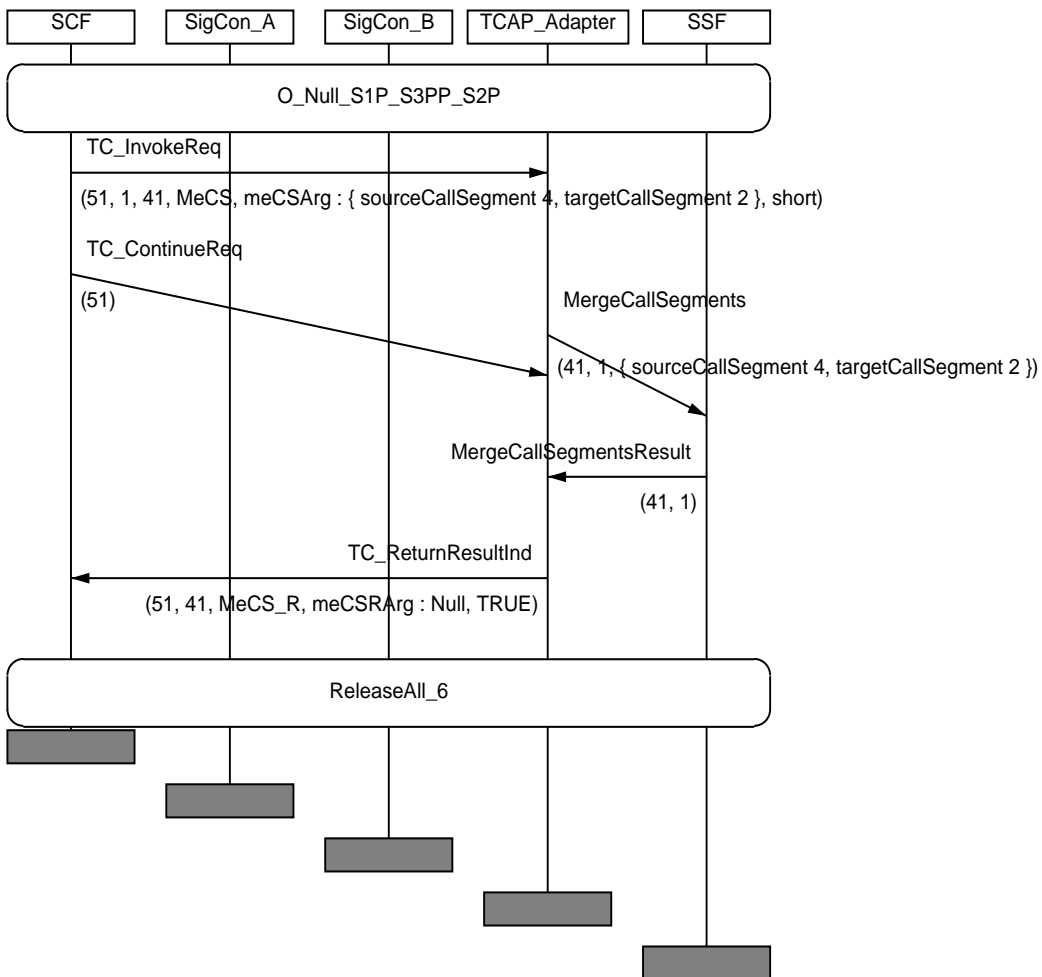
| IN3_A_CPH_MECS_BV_12 | |
|-----------------------------|---|
| Work item no.: | ITEM_CPH_184 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MergeCallSegments ReturnResult component when having received a MergeCallSegments invoke component with the sourceCS being in the 1_Party state and the targetCS being in the Stable_Multi_Passive_Party state. |
| Requirements refs | 11.29.1, 11.29.1.1.1, 11.29.3.1 (table 23) |
| Selection Cond. | |
| Preamble: | O_null_S1P_S3PP_S2P |
| Test description | L1!MoveLeg(6,2) L1?MoveLeg ReturnResult L1!ContinueWithArgument(csID=4) L1!ContinueWithArgument(csID=2) L1!MergeCallSegments(4,3) |
| Pass criteria | L1?MergeCallSegments ReturnResult |
| Postamble: | ReleaseAll_6 |

MSC IN3_A_CPH_MECS_BV_12



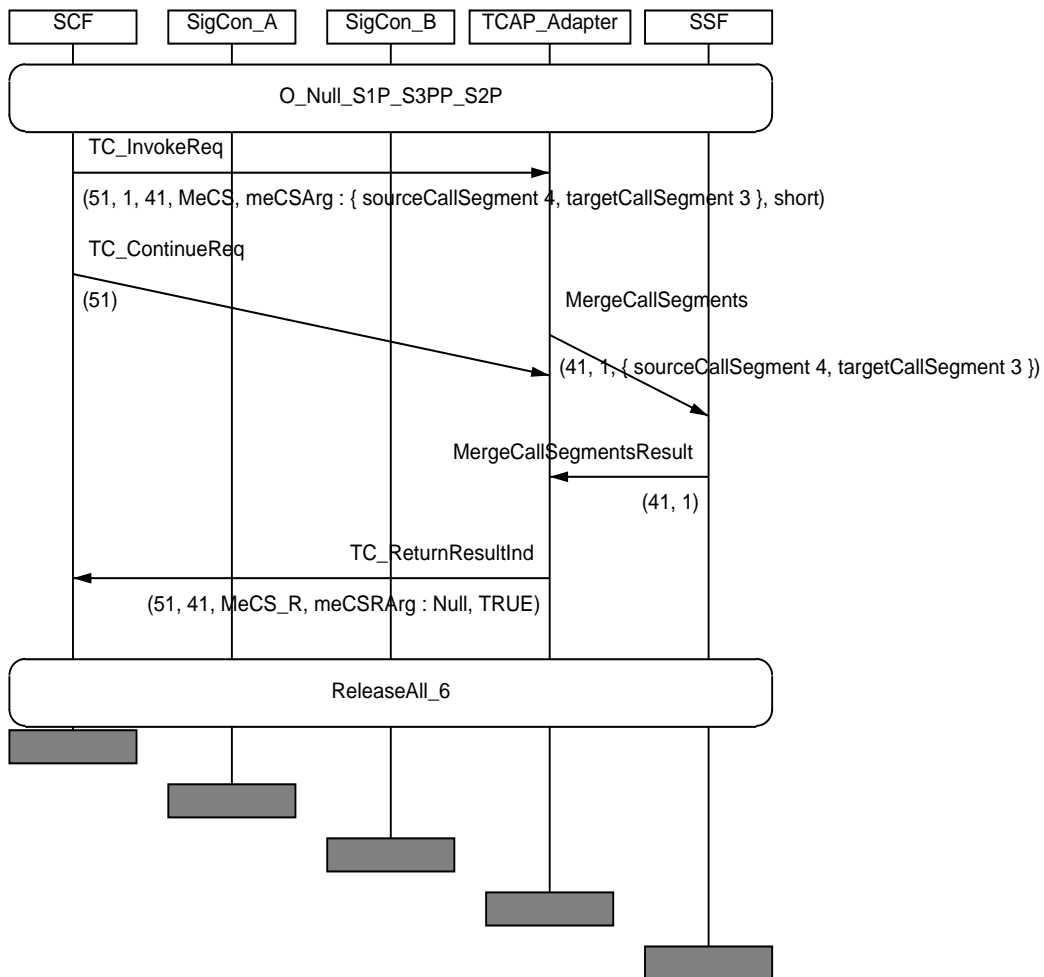
| IN3_A_CPH_MECS_BV_13 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_185 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MergeCallSegments ReturnResult component when having received a MergeCallSegments invoke component with the sourceCS being in the Stable_2_Party state and the targetCS being in the Stable_1_Party state. |
| Requirements refs | 11.29.1, 11.29.1.1.1, 11.29.3.1 (table 23) |
| Selection Cond. | |
| Preamble: | O_null_S1P_S3PP_S2P |
| Test description | L1!MergeCallSegments(4,2) |
| Pass criteria | L1?MergeCallSegments ReturnResult |
| Postamble: | ReleaseAll_6 |

MSC IN3_A_CPH_MECS_BV_13



| IN3_A_CPH_MECS_BV_14 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_186 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MergeCallSegments ReturnResult component when having received a MergeCallSegments invoke component with the sourceCS being in the Stable_2_Party state and the targetCS being in the Stable_Multi_Passive_Party state. |
| Requirements refs | 11.29.1, 11.29.1.1.1, 11.29.3.1 (table 23) |
| Selection Cond. | |
| Preamble: | O_null_S1P_S3PP_S2P |
| Test description | L1!MergeCallSegments(4,3) |
| Pass criteria | L1?MergeCallSegments ReturnResult |
| Postamble: | ReleaseAll_6 |

MSC IN3_A_CPH_MECS_BV_14

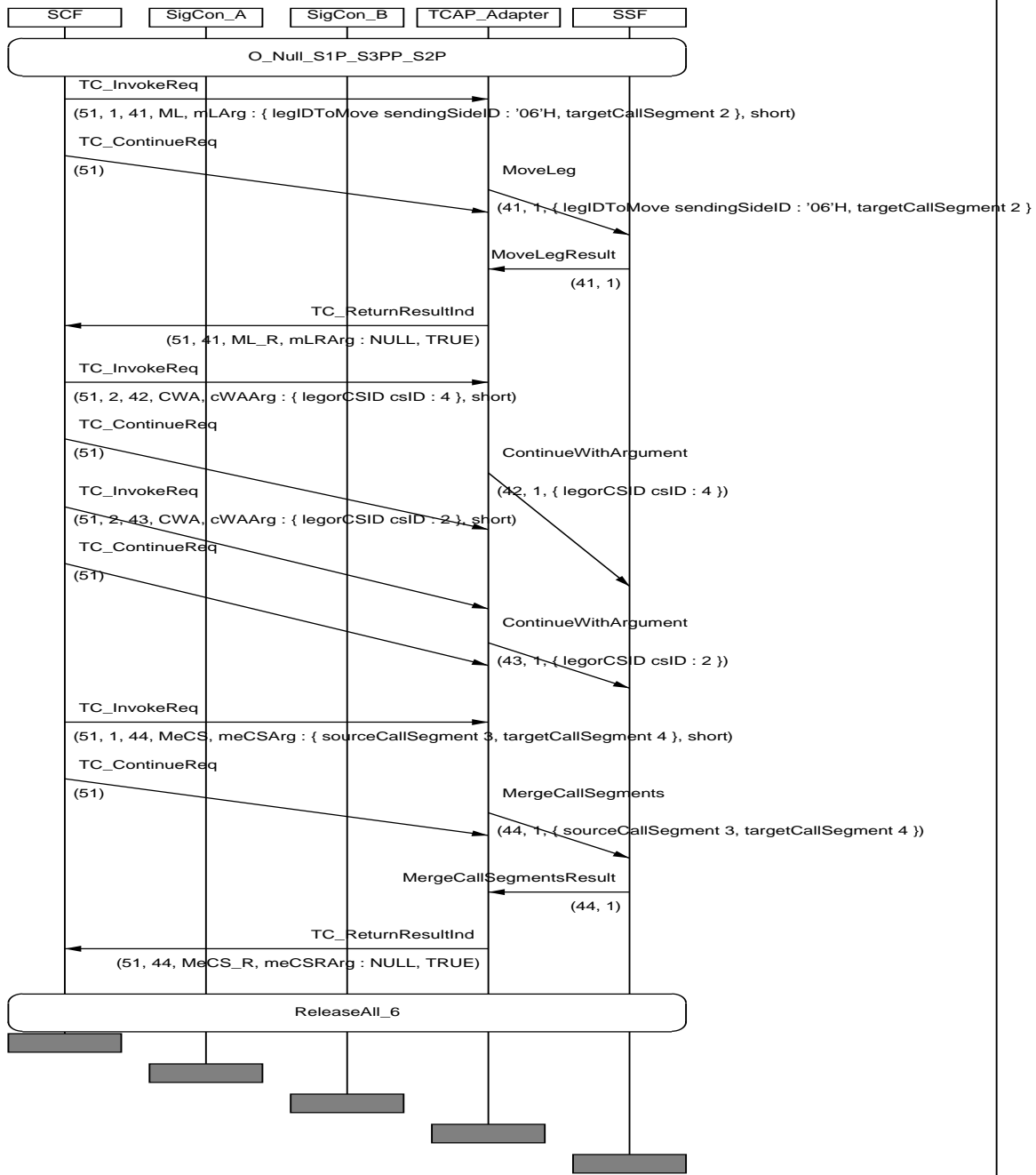


| IN3_A_CPH_MECS_BV_15 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_187 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MergeCallSegments ReturnResult component when having received a MergeCallSegments invoke component with the sourceCS being in the Stable_Multi_Passive_Party state and the targetCS being in the Originating_Setup state (waiting for instructions in the O_Called_Party_Busy DP). |
| Requirements refs | 11.29.1, 11.29.1.1.1, 11.29.3.1 (table 23) |
| Selection Cond. | |
| Preamble: | O_null_S3P_null |
| Test description | L1!SplitLeg(1,3) L1?SplitLegReturnResult L1!ContinueWithArgument (csID = 2) L1!RequestReportBCSMEvent(4,notifyAndContinue,oDisconnect) L1!RequestReportBCSMEvent(4,interrupted,oCalledPartyBusy) L1!Connect(4,3) CP1_4?SetUpReq CP1_4!ReleaseInd(Busy cause) L1?EventReportBCSM(4,oCalledPartyBusy) L1!MergeCallSegments(2,3) |
| Pass criteria | L1?MergeCallSegments ReturnResult |
| Postamble: | ReleaseAll_3 |

| IN3_A_CPH_MECS_BV_16 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_188 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MergeCallSegments ReturnResult component when having received a MergeCallSegments invoke component with the sourceCS being in the Stable_Multi_Passive_Party state and the targetCS being in the Stable_1_Party state. |
| Requirements refs | 11.29.1, 11.29.1.1.1, 11.29.3.1 (table 23) |
| Selection Cond. | |
| Preamble: | O_null_S1P_S3PP_S2P |
| Test description | L1!MergeCallSegments(3,2) |
| Pass criteria | L1?MergeCallSegments ReturnResult |
| Postamble: | ReleaseAll_6 |

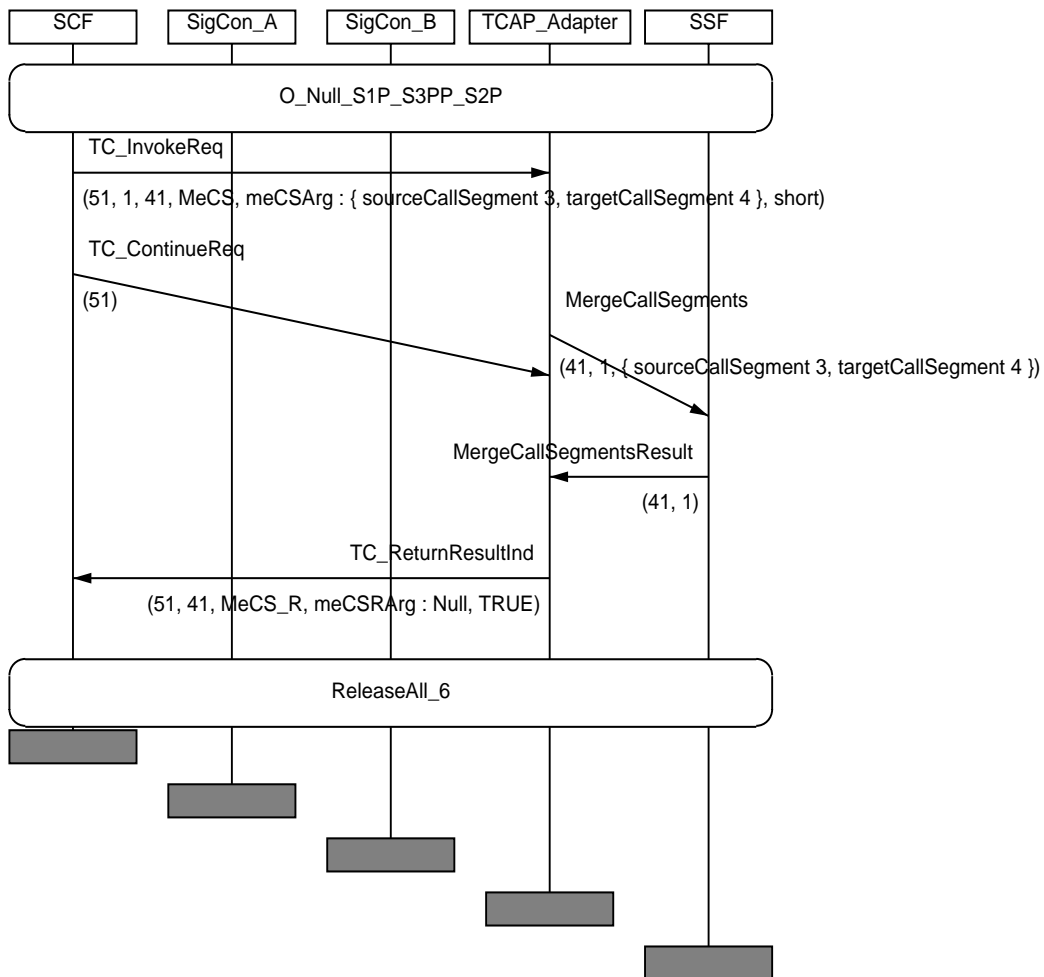
| IN3_A_CPH_MECS_BV_17 | |
|-----------------------------|---|
| Work item no.: | ITEM_CPH_189 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MergeCallSegments ReturnResult component when having received a MergeCallSegments invoke component with the sourceCS being in the Stable_Multi_Passive_Party state and the targetCS being in the 1_Party state. |
| Requirements refs | 11.29.1, 11.29.1.1.1, 11.29.3.1 (table 23) |
| Selection Cond. | |
| Preamble: | O_null_S1P_S3PP_S2P |
| Test description | L1!MoveLeg(6,2) L1?MoveLeg ReturnResult L1!ContinueWithArgument(csID=4) L1!ContinueWithArgument(csID=2) L1!MergeCallSegments(3,4) |
| Pass criteria | L1?MergeCallSegments ReturnResult |
| Postamble: | ReleaseAll_6 |

MSC IN3_A_CPH_MECS_BV_17



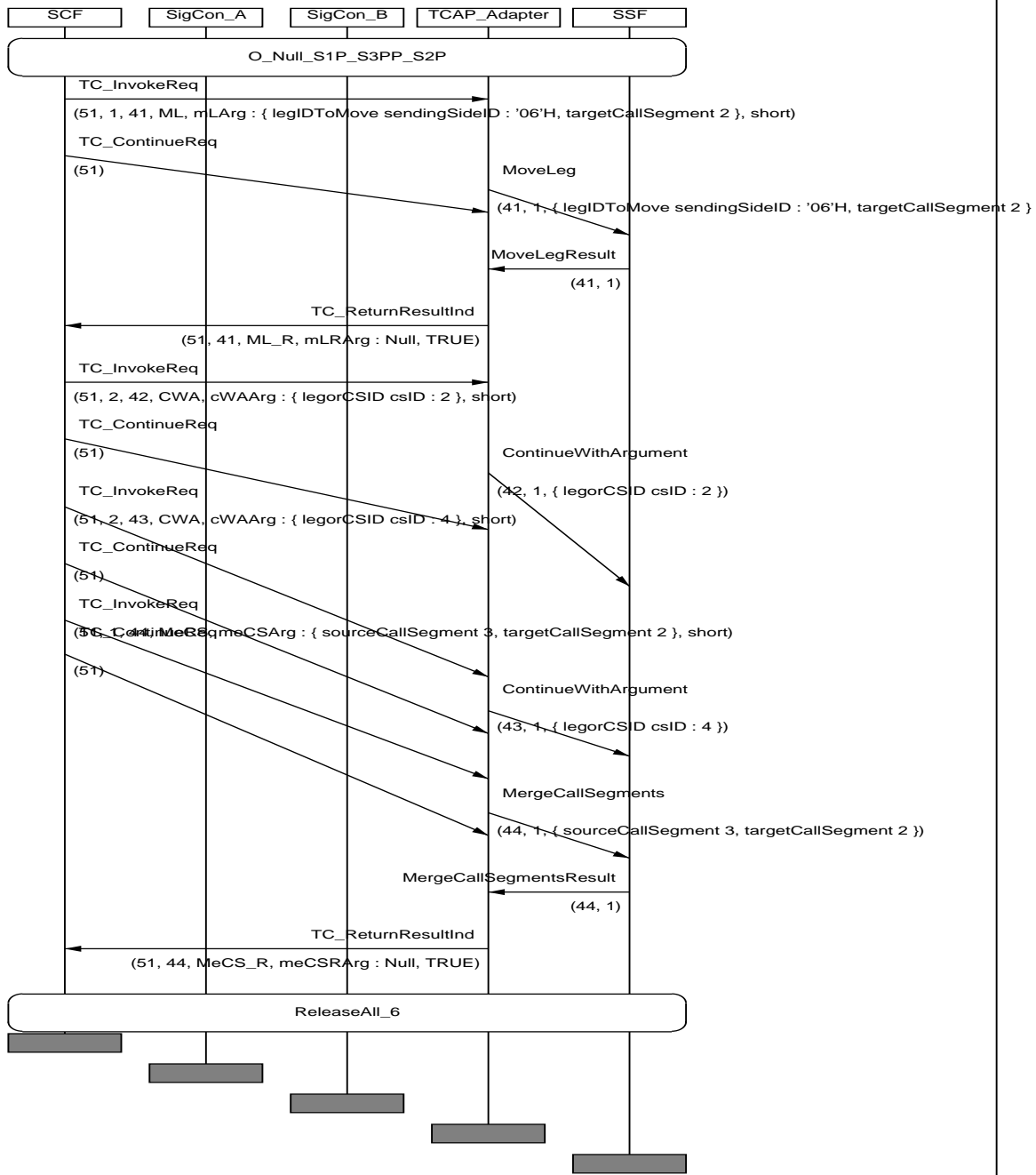
| IN3_A_CPH_MECS_BV_18 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_190 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MergeCallSegments ReturnResult component when having received a MergeCallSegments invoke component with the sourceCS being in the Stable_Multi_Passive_Party state and the targetCS being in the Stable_2_Party state. |
| Requirements refs | 11.29.1, 11.29.1.1.1, 11.29.3.1 (table 23) |
| Selection Cond. | |
| Preamble: | O_null_S1P_S3PP_S2P |
| Test description | L1!MergeCallSegments(3,4) |
| Pass criteria | L1?MergeCallSegments ReturnResult |
| Postamble: | ReleaseAll_6 |

MSC IN3_A_CPH_MECS_BV_18



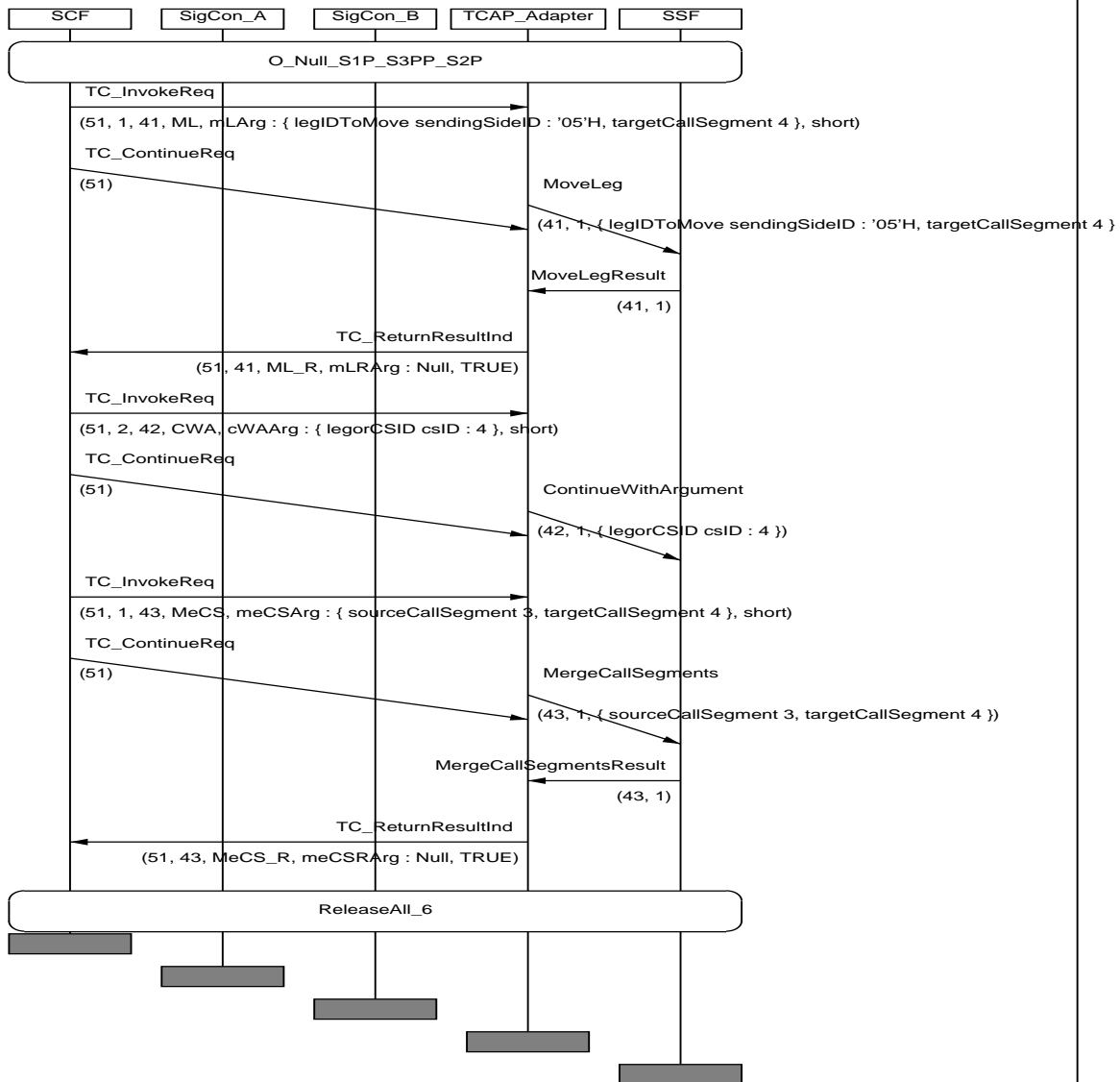
| IN3_A_CPH_MECS_BV_19 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_191 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MergeCallSegments ReturnResult component when having received a MergeCallSegments invoke component with the sourceCS being in the Stable_Multi_Passive_Party state and the targetCS being in the Stable_Multi_Passive_Party state. |
| Requirements refs | 11.29.1, 11.29.1.1.1, 11.29.3.1 (table 23) |
| Selection Cond. | |
| Preamble: | O_null_S1P_S3PP_S2P |
| Test description | L1!MoveLeg(6,2) L1?MoveLeg ReturnResult L1!ContinueWithArgument(csID=4) L1!ContinueWithArgument(csID=2) L1!MergeCallSegments(3,2) |
| Pass criteria | L1?MergeCallSegments ReturnResult |
| Postamble: | ReleaseAll_6 |

MSC IN3_A_CPH_MECS_BV_19



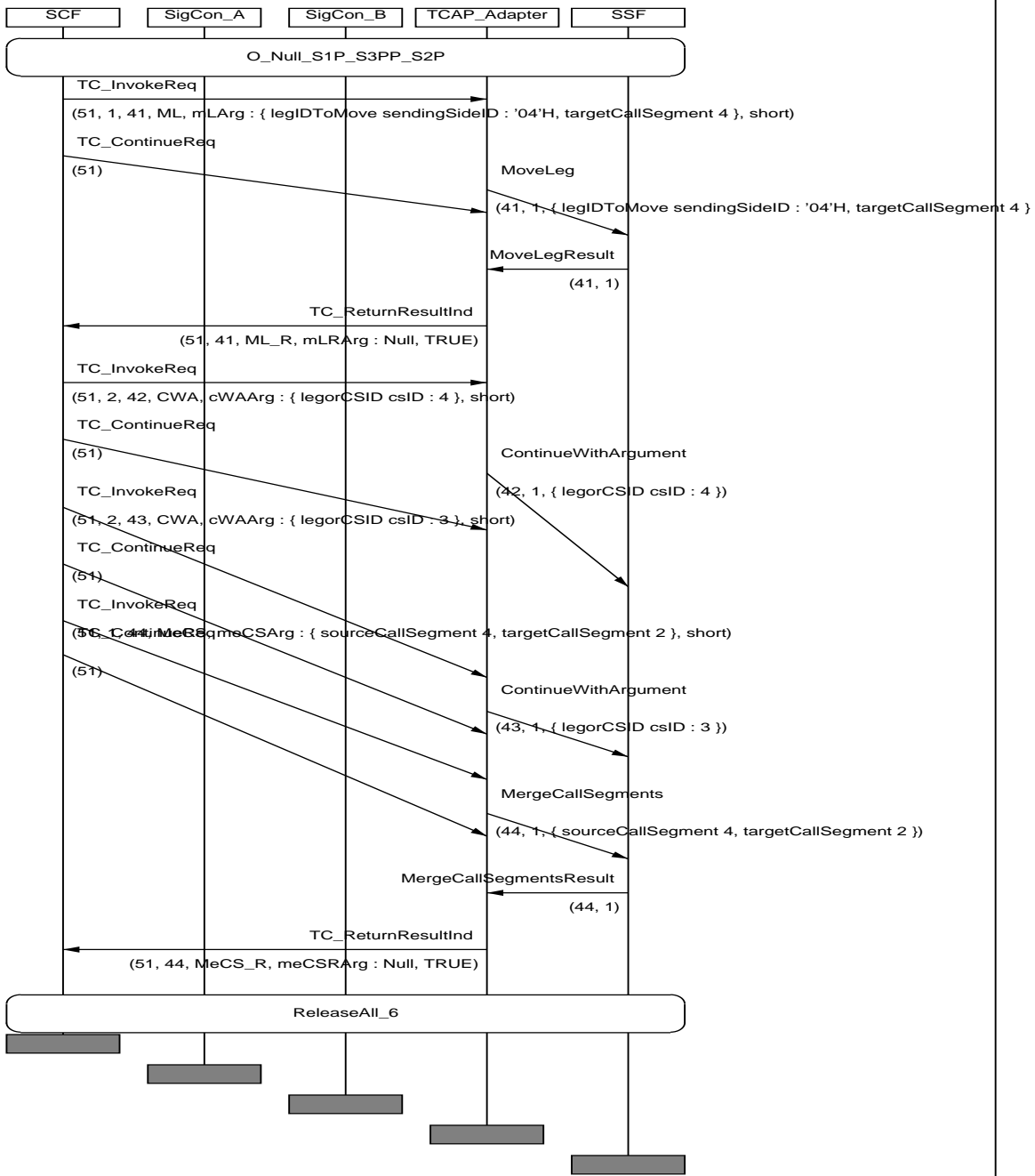
| IN3_A_CPH_MECS_BV_20 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_192 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MergeCallSegments ReturnResult component when having received a MergeCallSegments invoke component with the sourceCS being in the Stable_Multi_Passive_Party state and the targetCS being in the Stable_Multi_Party state. |
| Requirements refs | 11.29.1, 11.29.1.1.1, 11.29.3.1 (table 23) |
| Selection Cond. | |
| Preamble: | O_null_S1P_S3PP_S2P |
| Test description | L1!MoveLeg(5,4) L1?MoveLeg ReturnResult L1!ContinueWithArgument(csID=4) L1!MergeCallSegments(3,4) |
| Pass criteria | L1?MergeCallSegments ReturnResult |
| Postamble: | ReleaseAll_6 |

MSC IN3_A_CPH_MECS_BV_20



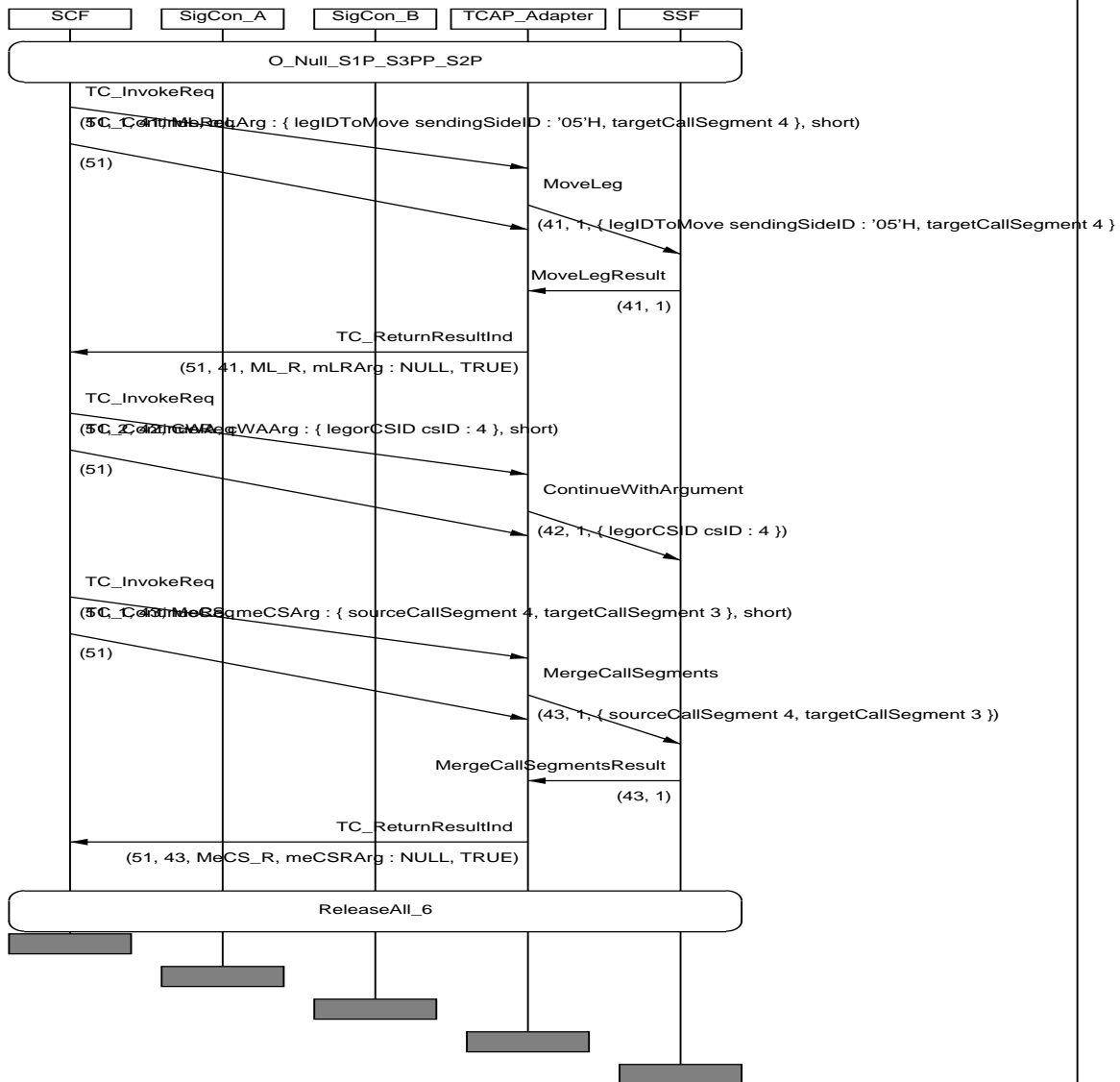
| IN3_A_CPH_MECS_BV_21 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_193 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MergeCallSegments ReturnResult component when having received a MergeCallSegments invoke component with the sourceCS being in the Stable_Multi_Party state and the targetCS being in the Stable_1_Party state. |
| Requirements refs | 11.29.1, 11.29.1.1.1, 11.29.3.1 (table 23) |
| Selection Cond. | |
| Preamble: | O_null_S1P_S3PP_S2P |
| Test description | L1!MoveLeg(4,4) L1?MoveLeg ReturnResult L1!ContinueWithArgument(csID=4) L1!ContinueWithArgument(csID=3) L1!MergeCallSegments(4,2) |
| Pass criteria | L1?MergeCallSegments ReturnResult |
| Postamble: | ReleaseAll_6 |

MSC IN3_A_CPH_MECS_BV_21



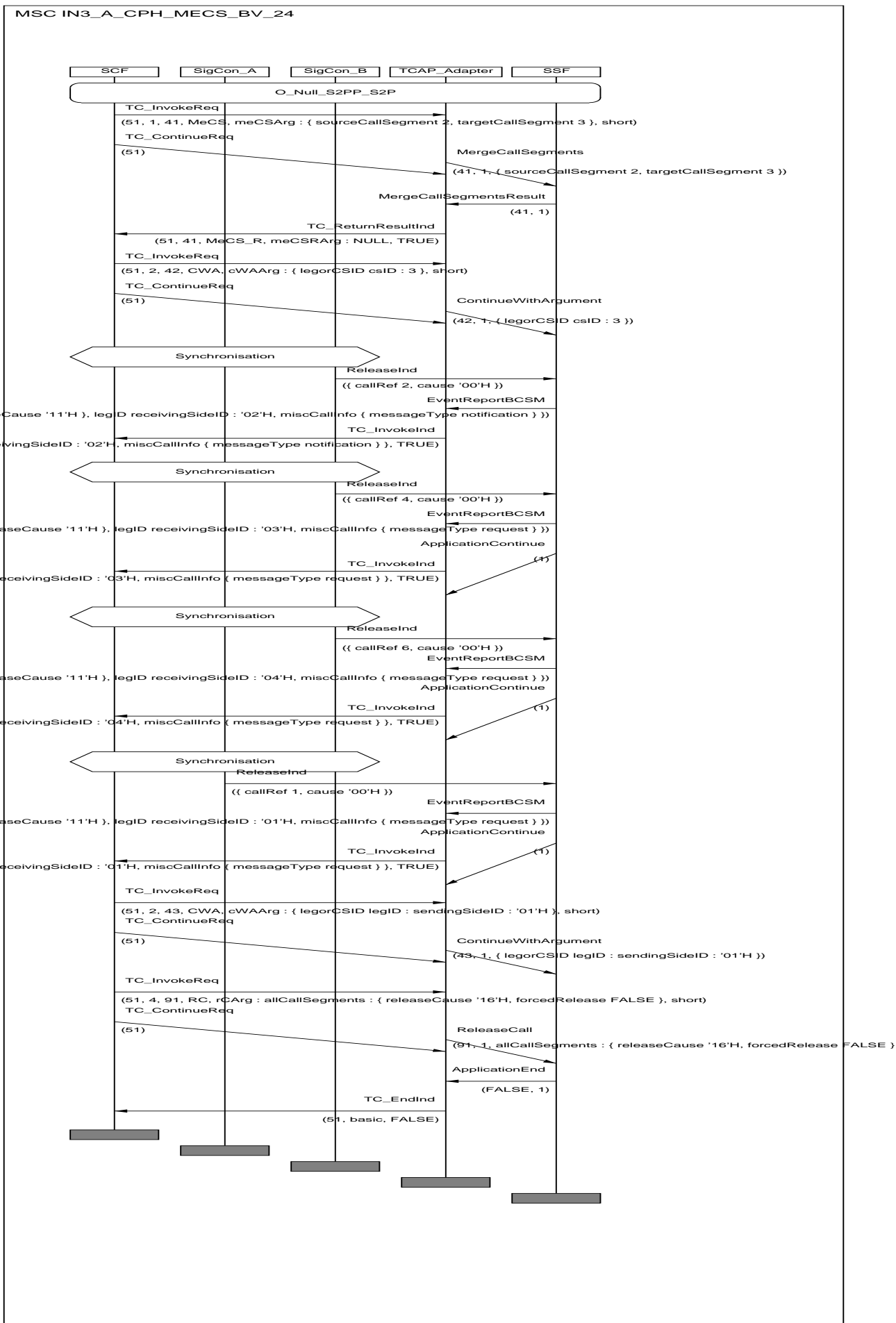
| IN3_A_CPH_MECS_BV_22 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_194 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MergeCallSegments ReturnResult component when having received a MergeCallSegments invoke component with the sourceCS being in the Stable_Multi_Party state and the targetCS being in the Stable_Multi_Passive_Party state. |
| Requirements refs | 11.29.1, 11.29.1.1.1, 11.29.3.1 (table 23) |
| Selection Cond. | |
| Preamble: | O_null_S1P_S3PP_S2P |
| Test description | L1!MoveLeg(5,4) L1?MoveLeg ReturnResult L1!ContinueWithArgument(csID=4) L1!MergeCallSegments(4,3) |
| Pass criteria | L1?MergeCallSegments ReturnResult |
| Postamble: | ReleaseAll_6 |

MSC IN3_A_CPH_MECS_BV_22

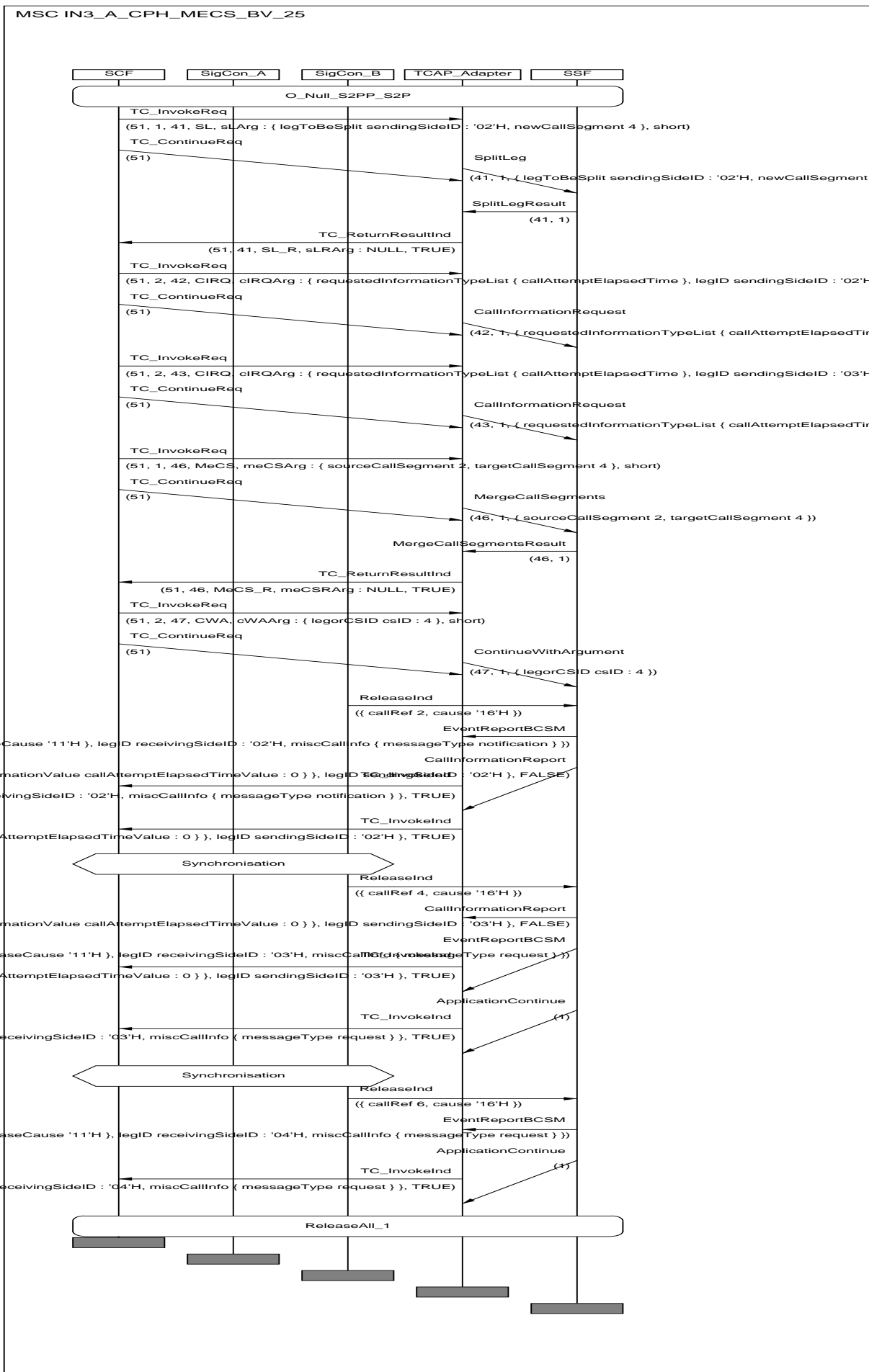


| IN3_A_CPH_MECS_BV_23 | |
|-----------------------------|---|
| Work item no.: | ITEM_CPH_195 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble O_S1P_S2P_null, sends a MergeCallSegments ReturnResult component when having received a MergeCallSegments invoke component with the sourceCS being CS2 (Stable_2_Party state) and the targetCS parameter being not contained in the component (default "InitialCS" applies). |
| Requirements refs | 11.29.1, 11.29.1.1.1, 11.29.3.1 (table 23) |
| Selection Cond. | |
| Preamble: | O_S1P_S2P_null |
| Test description | L1!MergeCallSegments(2,) (parameter targetCS is not contained in the component) |
| Pass criteria | L1?MergeCallSegments ReturnResult |
| Postamble: | ReleaseAll_3 |

| IN3_A_CPH_MECS_BV_24 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_196 |
| IN2 Ref(tmp) | IN2_A_CPH_MC_BV_02 |
| Purpose: | Verify that the SSF keeps the event detection points armed on all legs after performing the MergeCallSegments operation. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.29.1, 11.29.1.1.1, 11.29.3.1 |
| Selection Cond. | |
| Preamble: | O_null_S2PP_S2P |
| Test description | L1!MergeCallSegments(2,3) L1?MergeCallSegments ReturnResult L1!ContinueWithArgument(csID=3) CP1_2!ReleaseInd(Normal clearing) L1?EventReportBCSM(2,oDisconnect) CP1_3!ReleaseInd(Normal clearing) L1?EventReportBCSM(3,oDisconnect) CP1_4!ReleaseInd(Normal clearing) L1?EventReportBCSM(4,oDisconnect) CP1_1!ReleaseInd(Normal clearing) L1?EventReportBCSM(1,oDisconnect) L1!ContinueWithArgument(legID=1) L1!ReleaseCall(allCallSegments) |
| Pass criteria | The 4 ERBs received (the corresponding RRBs have been requested in the preamble) |
| Postamble: | None |



| IN3_A_CPH_MECS_BV_25 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_197 |
| IN2 Ref(tmp) | IN2_A_CPH_MC_BV_02 |
| Purpose: | Verify that the SSF keeps all outstanding CallInformationReports requested for the sourceCS and the targetCS, when the sourceCS is merged into the targetCS. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.29.1, 11.29.1.1.1, 11.29.3.1 |
| Selection Cond. | |
| Preamble: | O_null_S2PP_S2P |
| Test description | L1!SplitLeg(2,4) L1?SplitLegReturnResult L1!CallInformationRequest(2) L1!CallInformationRequest(3) L1!MergeCallSegments(2,4) L1?MergeCallSegments ReturnResult L1!ContinueWithArgument(csID=4) CP1_2!ReleaseInd(Normal clearing) L1?EventReportBCSM(2,oDisconnect) L1?CallInformationReport(2) CP1_3!ReleaseInd(Normal clearing) L1?EventReportBCSM(3,oDisconnect) L1?CallInformationReport(3) CP1_4!ReleaseInd(Normal clearing) L1?EventReportBCSM(4,oDisconnect) |
| Pass criteria | The 3 pairs of ERB and CIRP received. The pairs of RRB and CIRP must appear in the indicated order. |
| Postamble: | ReleaseAll_1 |



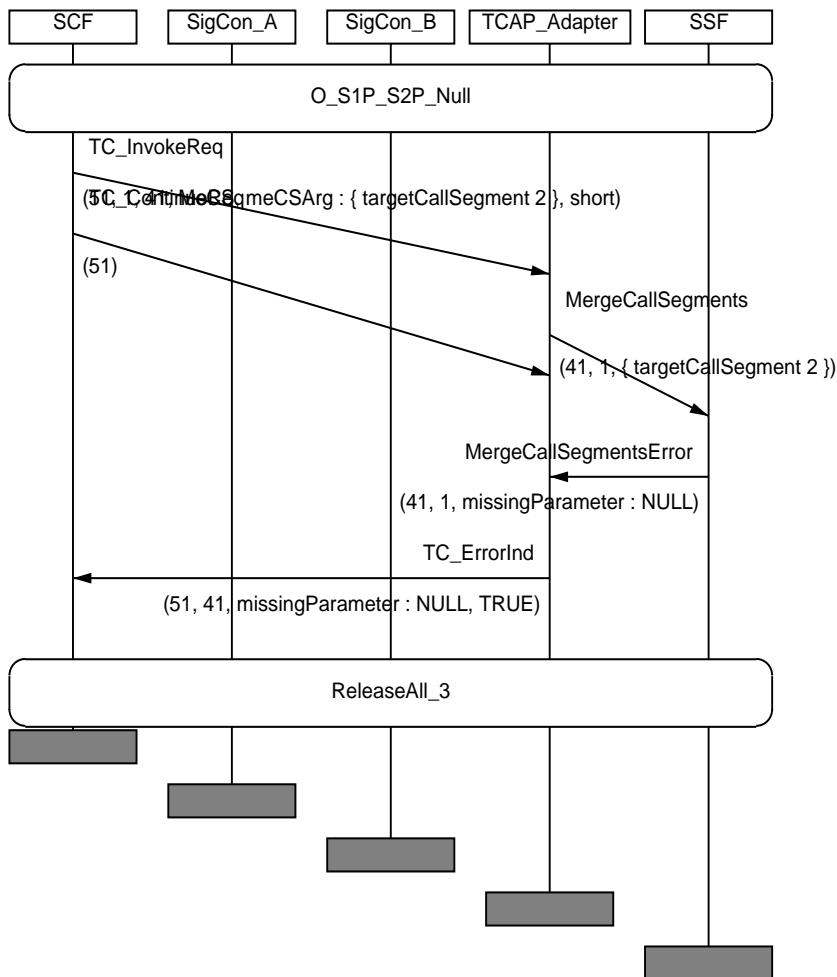
| IN3_A_CPH_MECS_BV_26 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_206 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF keeps all outstanding ApplyCharging Reports requested for the sourceCS and the targetCS, when the sourceCS is merged into the targetCS. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.29.1, 11.29.1.1.1, 11.29.3.1 |
| Selection Cond. | |
| Preamble: | O_null_S2PP_S2P |
| Test description | L1!SplitLeg(2,4) L1?SplitLegReturnResult L1!ApplyChargingRequest(2) L1!ApplyChargingRequest(3) L1!MergeCallSegments(2,4) L1?MergeCallSegments ReturnResult L1!ContinueWithArgument(csID=4) CP1_2!ReleaseInd(Normal clearing) L1?EventReportBCSM(2,oDisconnect) L1!ApplyChargingReport(2) CP1_3!ReleaseInd(Normal clearing) L1?EventReportBCSM(3,oDisconnect) L1!ApplyChargingReport(3) CP1_4!ReleaseInd(Normal clearing) L1?EventReportBCSM(4,oDisconnect) |
| Pass criteria | The 4 pairs of ERB and ACRP received For each leg the RRB and ACRP may appear in any order. |
| Postamble: | ReleaseAll_1 |

MSC IN3_A_CPH_MECS_BV_26



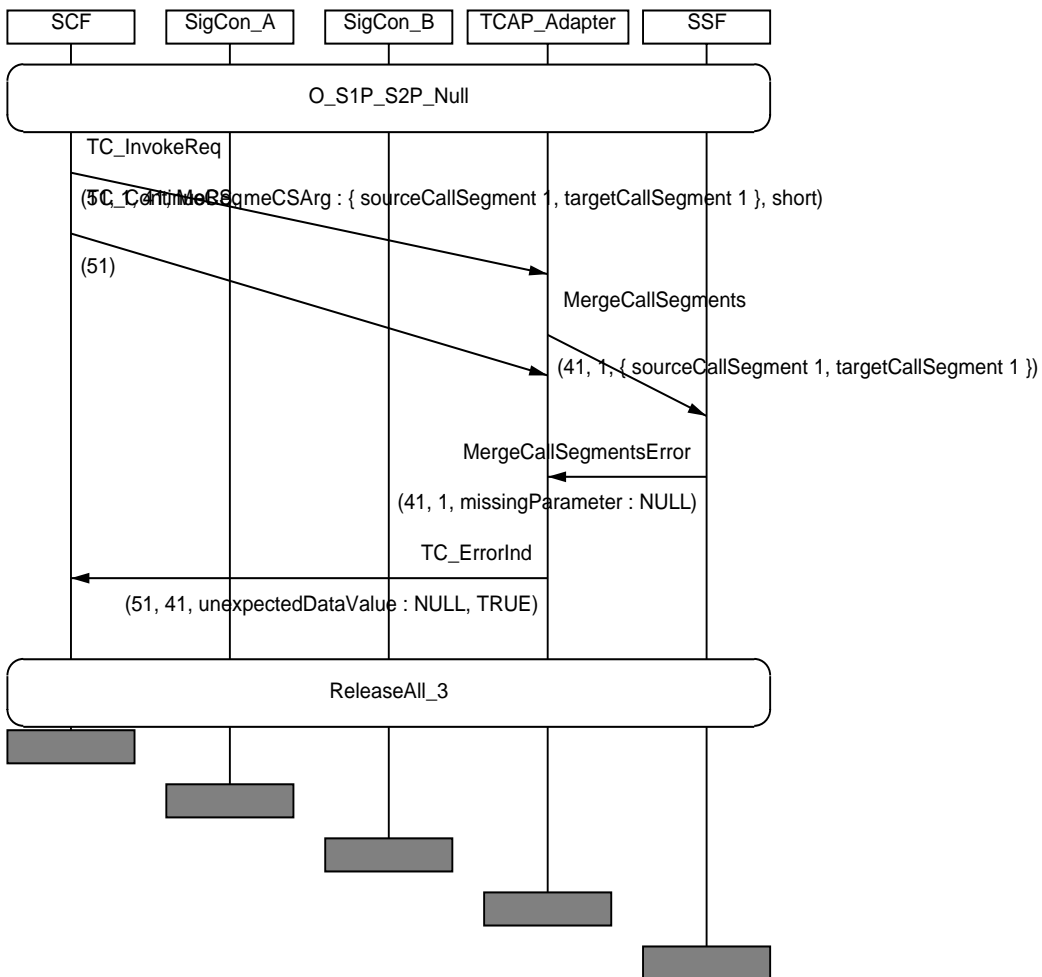
| IN3_A_CPH_MECS_BI_01 | |
|-----------------------------|---|
| Work item no.: | ITEM_CPH_201 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MergeCallSegments ReturnError component (missingParameter) when having received a MergeCallSegments invoke component and the sourceCS parameter is not contained in the invoke component. |
| Requirements refs | 11.29.1, 11.29.1.1.1, 11.29.3.2, 13.1.10.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | O_S1P_S2P_null |
| Test description | L1!MergeCallSegments(,2) (the sourceCS parameter is not contained in the invoke component) |
| Pass criteria | MergeCallSegments ReturnError(missingParameter) |
| Postamble: | ReleaseAll_3 |

MSC IN3_A_CPH_MECS_BI_01



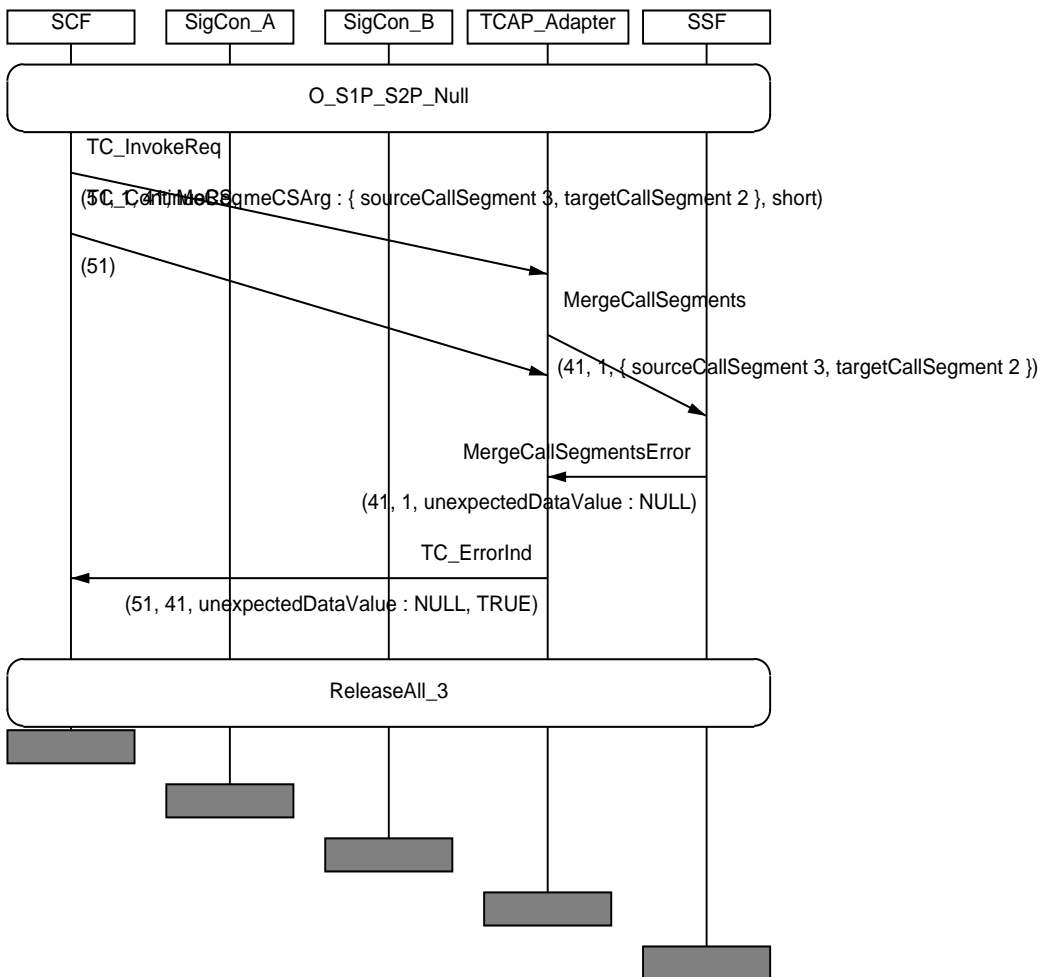
| IN3_A_CPH_MECS_BI_02 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_202 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MergeCallSegments ReturnError component (unexpectedDataValue) when having received a MergeCallSegments invoke component and the sourceCS parameter has the same value as the targetCS parameter. |
| Requirements refs | 11.29.1, 11.29.1.1.1, 11.29.3.2, 13.1.10.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | O_S1P_S2P_null |
| Test description | L1!MergeCallSegments(1,1) |
| Pass criteria | MergeCallSegments ReturnError(unexpectedDataValue) |
| Postamble: | ReleaseAll_3 |

MSC IN3_A_CPH_MECS_BI_02



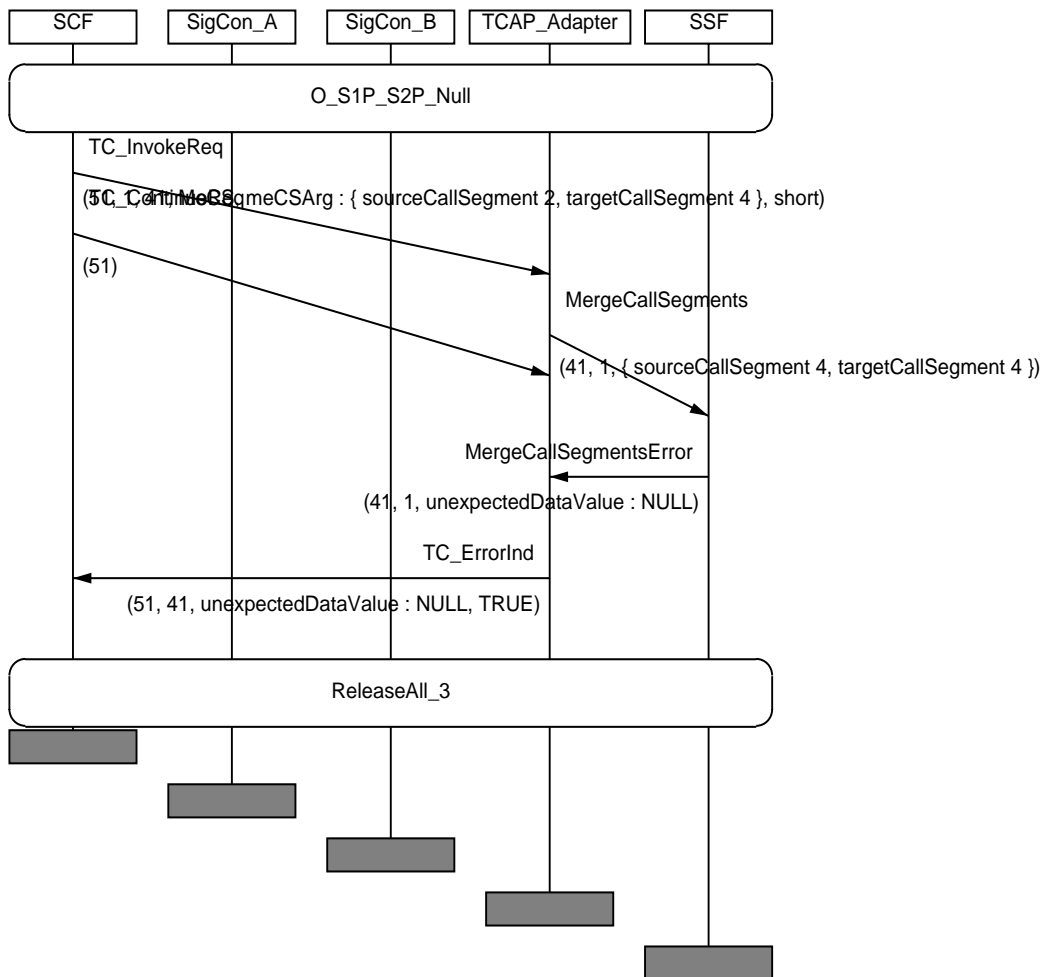
| IN3_A_CPH_MECS_BI_03 | |
|-----------------------------|---|
| Work item no.: | ITEM_CPH_203 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MergeCallSegments ReturnError component (unexpectedDataValue) when having received a MergeCallSegments invoke component and the sourceCS parameter has a value not belonging to an existing CS. |
| Requirements refs | 11.29.1, 11.29.1.1.1, 11.29.3.2, 13.1.10.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | O_S1P_S2P_null |
| Test description | L1!MergeCallSegments(3,2) |
| Pass criteria | MergeCallSegments ReturnError(unexpectedDataValue) |
| Postamble: | ReleaseAll_3 |

MSC IN3_A_CPH_MECS_BI_03



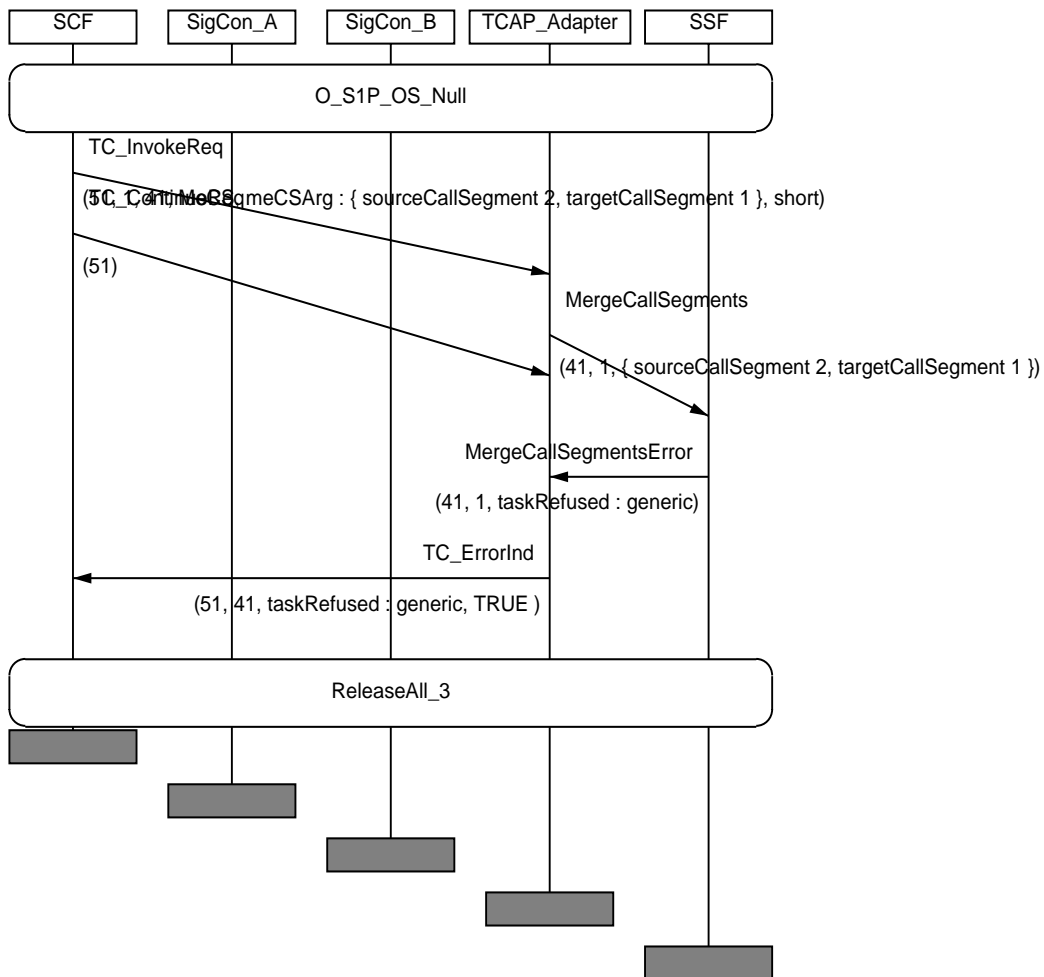
| IN3_A_CPH_MECS_BI_04 | |
|-----------------------------|---|
| Work item no.: | ITEM_CPH_204 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MergeCallSegments ReturnError component (unexpectedDataValue) when having received a MergeCallSegments invoke component and the targetCS parameter has a value not belonging to an existing CS. |
| Requirements refs | 11.29.1, 11.29.1.1.1, 11.29.3.2, 13.1.10.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | O_S1P_S2P_null |
| Test description | L1!MergeCallSegments(2,4) |
| Pass criteria | MergeCallSegments ReturnError(unexpectedDataValue) |
| Postamble: | ReleaseAll_3 |

MSC IN3_A_CPH_MECS_BI_04



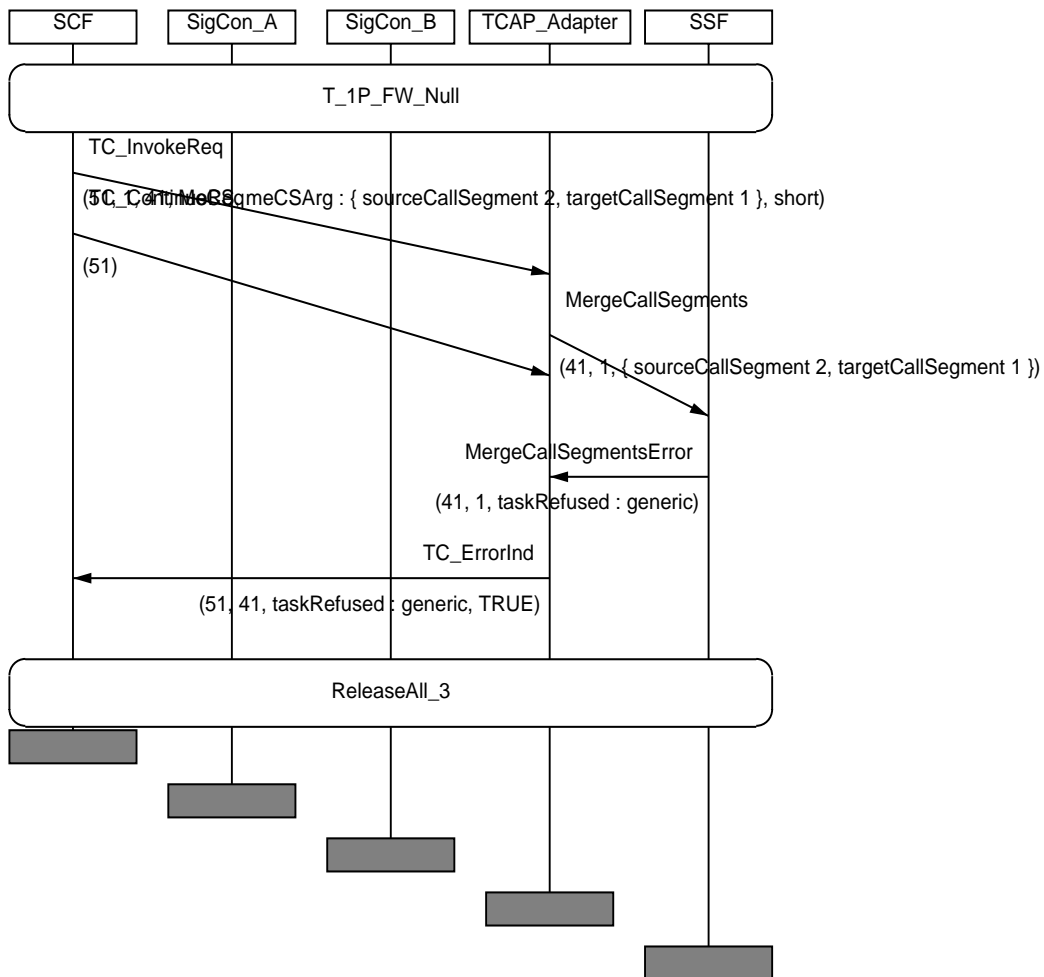
| IN3_A_CPH_MECS_BO_01 | |
|-----------------------------|---|
| Work item no.: | ITEM_CPH_198 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MergeCallSegments ReturnError component (taskRefused) when having received a MergeCallSegments invoke component with the sourceCS being in the Originating_Setup state without call processing being suspended at one of the state-compatible DPs, and the targetCS is in the Stable_1_Party state. |
| Requirements refs | 11.29.1, 11.29.1.1.1, 11.29.3.2, 13.1.10.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | O_S1P_OS_null |
| Test description | L1!MergeCallSegments(2,1) |
| Pass criteria | MergeCallSegments ReturnError(taskRefused) |
| Postamble: | ReleaseAll_3 |

MSC IN3_A_CPH_MECS_BO_01



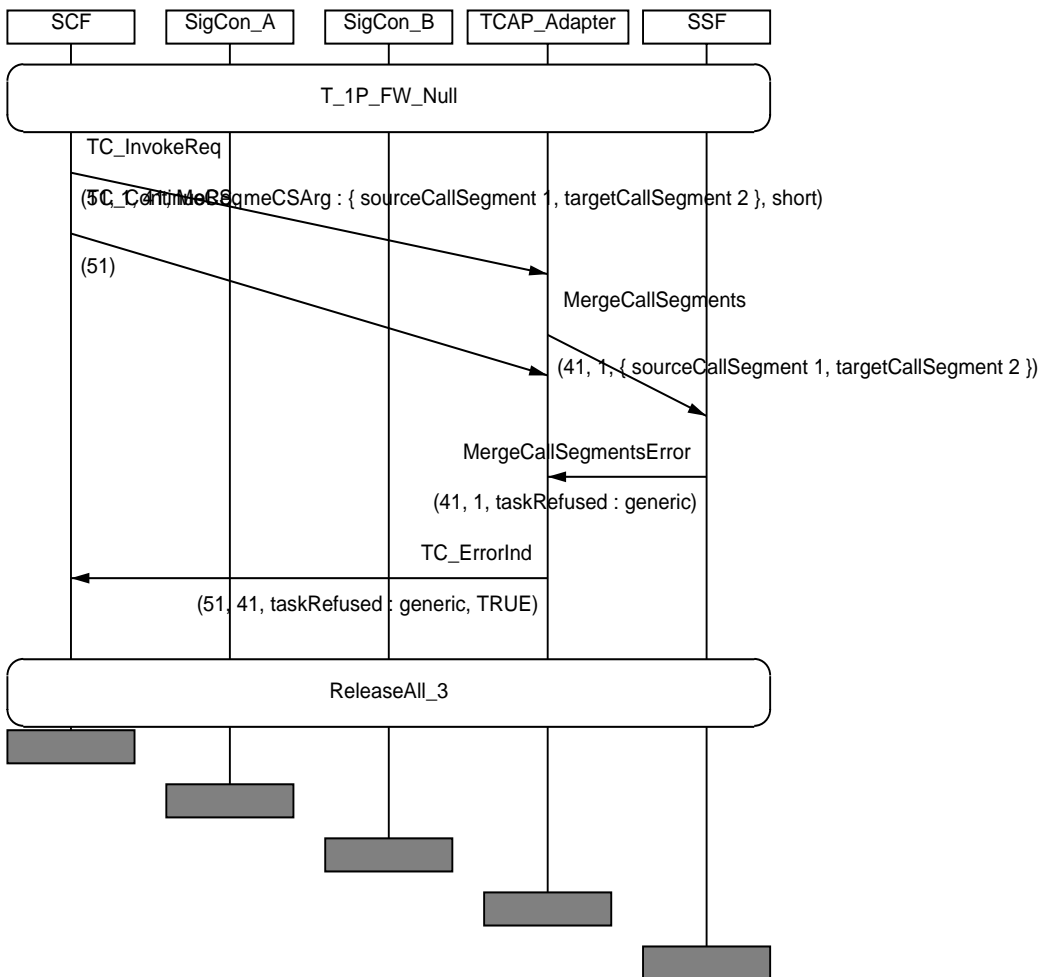
| IN3_A_CPH_MECS_BO_02 | |
|-----------------------------|---|
| Work item no.: | ITEM_CPH_199 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MergeCallSegments ReturnError component (taskRefused) when having received a MergeCallSegments invoke component with the sourceCS being in the Forward state. |
| Requirements refs | 11.29.1, 11.29.1.1.1, 11.29.3.2, 13.1.10.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | T_1P_FW_null |
| Test description | L1!MergeCallSegments(2,1) |
| Pass criteria | MergeCallSegments ReturnError(taskRefused) |
| Postamble: | ReleaseAll_3 |

MSC IN3_A_CPH_MECS_BO_02



| IN3_A_CPH_MECS_BO_03 | |
|-----------------------------|---|
| Work item no.: | ITEM_CPH_200 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MergeCallSegments ReturnError component (taskRefused) when having received a MergeCallSegments invoke component with the targetCS being in the Forward state. |
| Requirements refs | 11.29.1, 11.29.1.1.1, 11.29.3.2, 13.1.10.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | T_1P_FW_null |
| Test description | L1!MergeCallSegments(1,2) |
| Pass criteria | MergeCallSegments ReturnError(taskRefused) |
| Postamble: | ReleaseAll_3 |

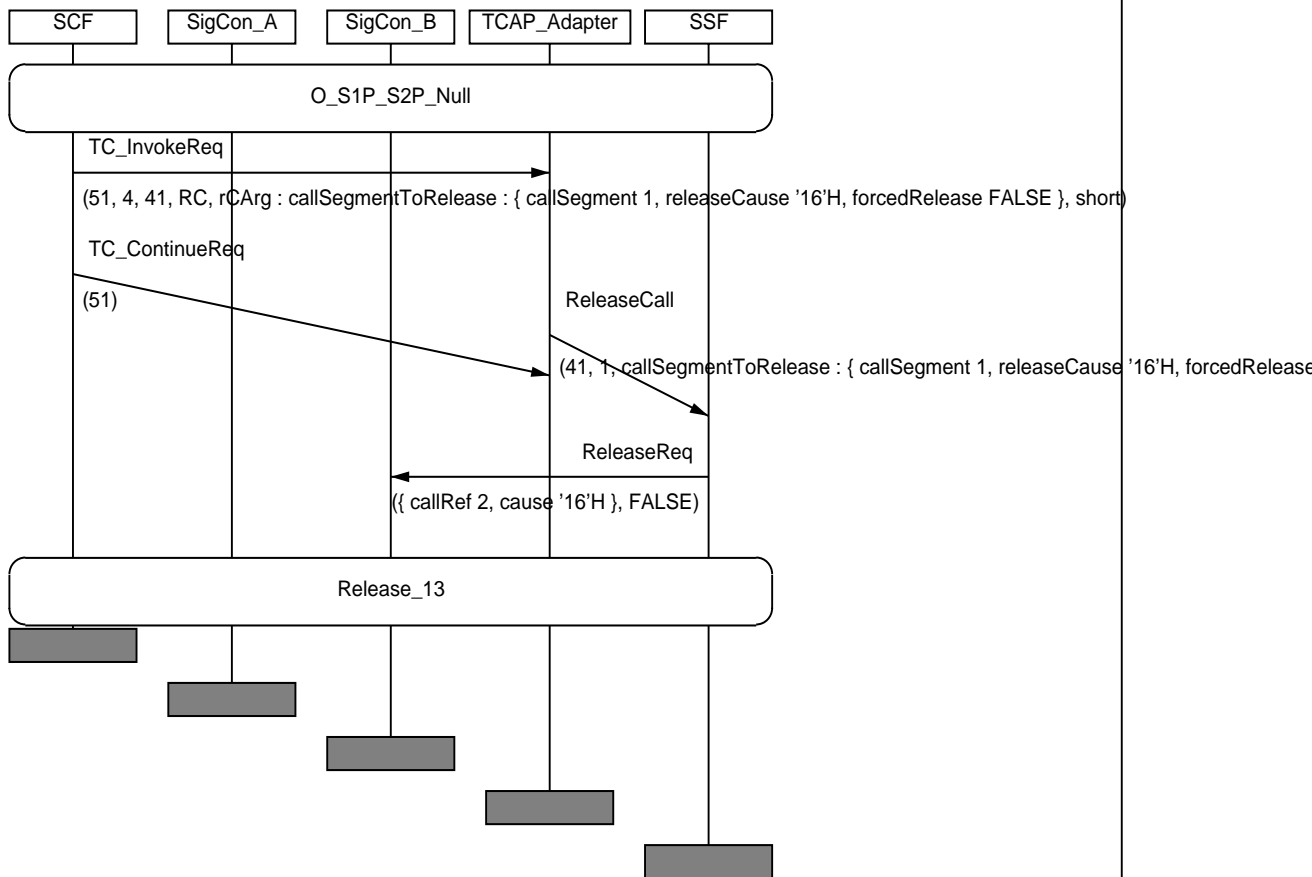
MSC IN3_A_CPH_MECS_BO_03



8.5 ReleaseCall (RC) procedure (CPH complement to basic procedure)

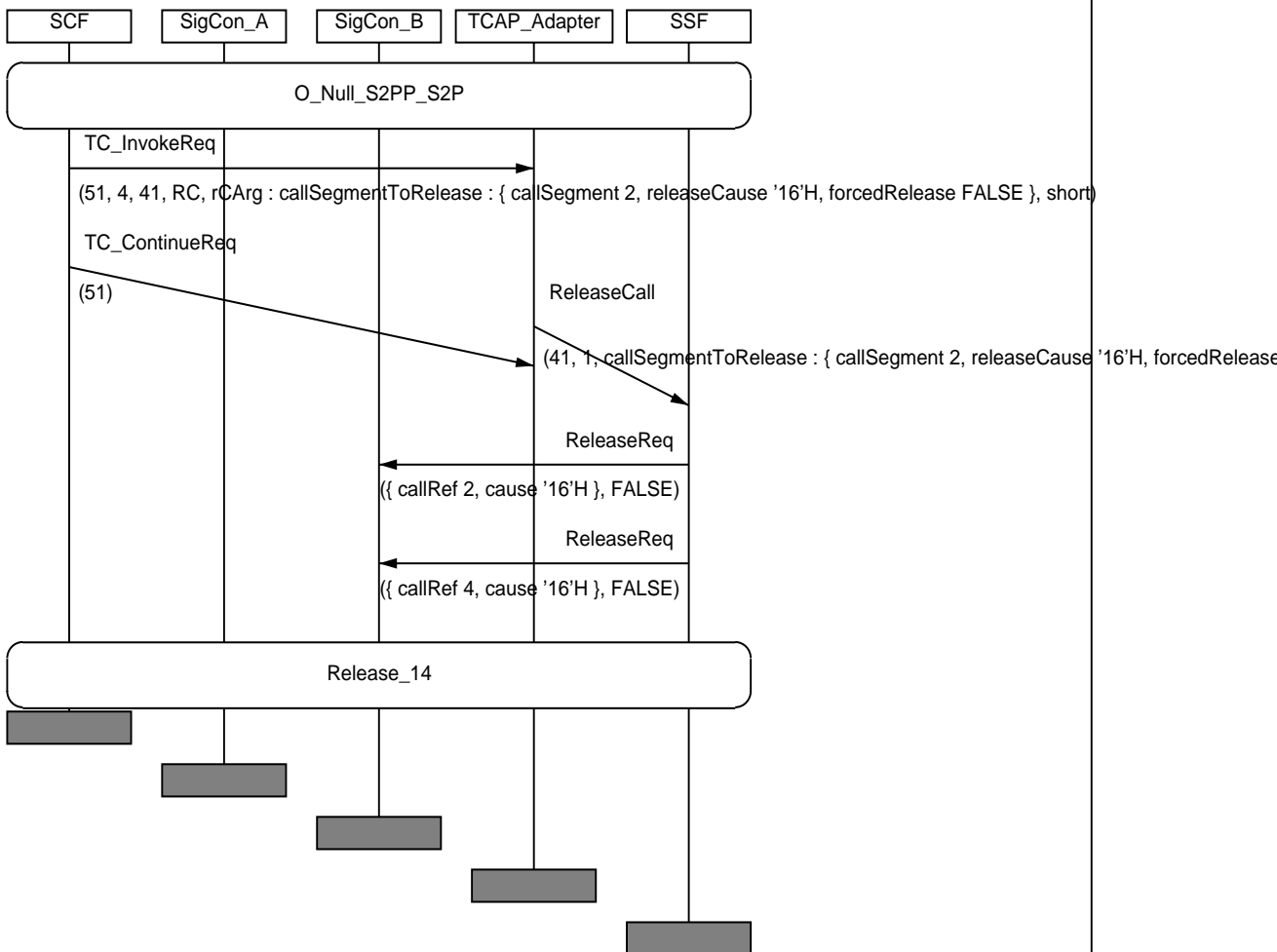
| IN3_A_CPH_RC_BV_01 | |
|---------------------------|--|
| Work item no.: | ITEM_CPH_7 |
| IN2 Ref(tmp) | IN2_A_CPH_RC_BV_01 |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble O_S1P_S2P_null sends to SigConB a ReleaseReq, when having received from the SCF a ReleaseCall invoke component with parameters callSegmentToRelease(csID=1), cause = (normal, unspecified). |
| Requirements refs | 6.5.1.2.3/3.3, 8.2, 8.2.1, 8.2.1.2, 8.2.2, 8.2.2.2, 8.2.2.5, 8.3.2, 8.4.2, 11.32.1, 11.32.1.1.1, 11.32.3.1 |
| Selection Cond. | |
| Preamble: | O_S1P_S2P_null |
| Test description | SCF sends ReleaseCall invoke to SSF with the following parameters: <ul style="list-style-type: none"> - callSegmentToRelease(csID=1) - cause=normal unspecified |
| Pass criteria | Check that SSF sends to SigConB a ReleaseReq (as csID=1 contains leg=2) |
| Postamble: | Release_13 |

MSC IN3_A_CPH_RC_BV_01



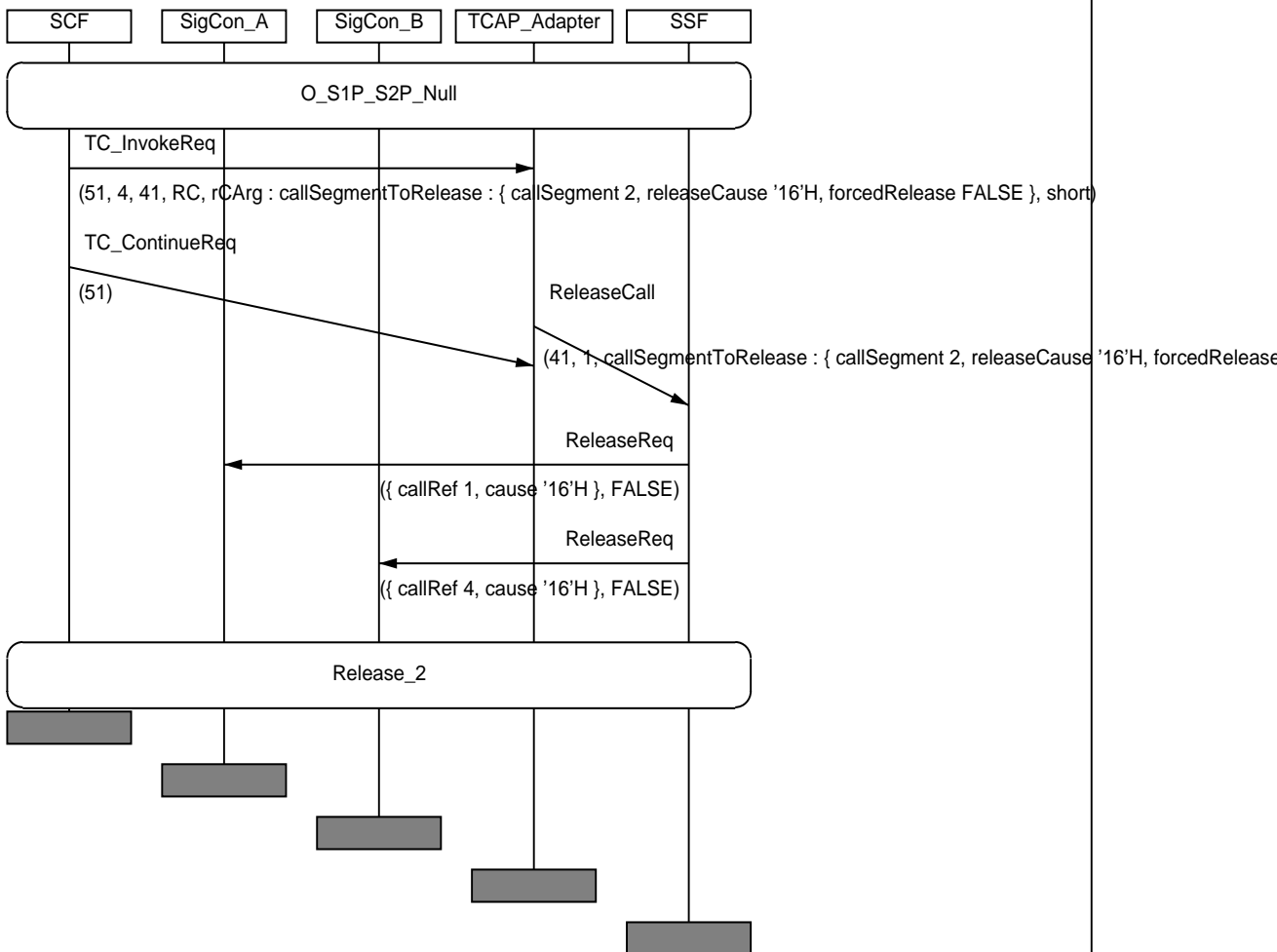
| IN3_A_CPH_RC_BV_02 | |
|---------------------------|--|
| Work item no.: | ITEM_CPH_8 |
| IN2 Ref(tmp) | IN2_A_CPH_RC_BV_02 |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble O_null_S2PP_S2P sends to SigConB and SigConC a ReleaseReq, when having received from the SCF a ReleaseCall invoke component with parameters cause="normal, unspecified" and csID=2. |
| Requirements refs | 6.5.1.2.3/3.3, 8.2, 8.2.1, 8.2.1.2, 8.2.2, 8.2.2.2, 8.2.2.5, 8.3.2, 8.4.2, 11.32.1, 11.32.1.1.1, 11.32.3.1 |
| Selection Cond. | |
| Preamble: | O_null_S2PP_S2P |
| Test description | SCF sends ReleaseCall invoke to SSF with the following parameters: <ul style="list-style-type: none"> - callSegmentToRelease(csID=2) - cause=normal unspecified |
| Pass criteria | CP1_2?ReleaseReq(Normal clearing) CP1_3?ReleaseReq(Normal clearing) |
| Postamble: | Release_14 |

MSC IN3_A_CPH_RC_BV_02



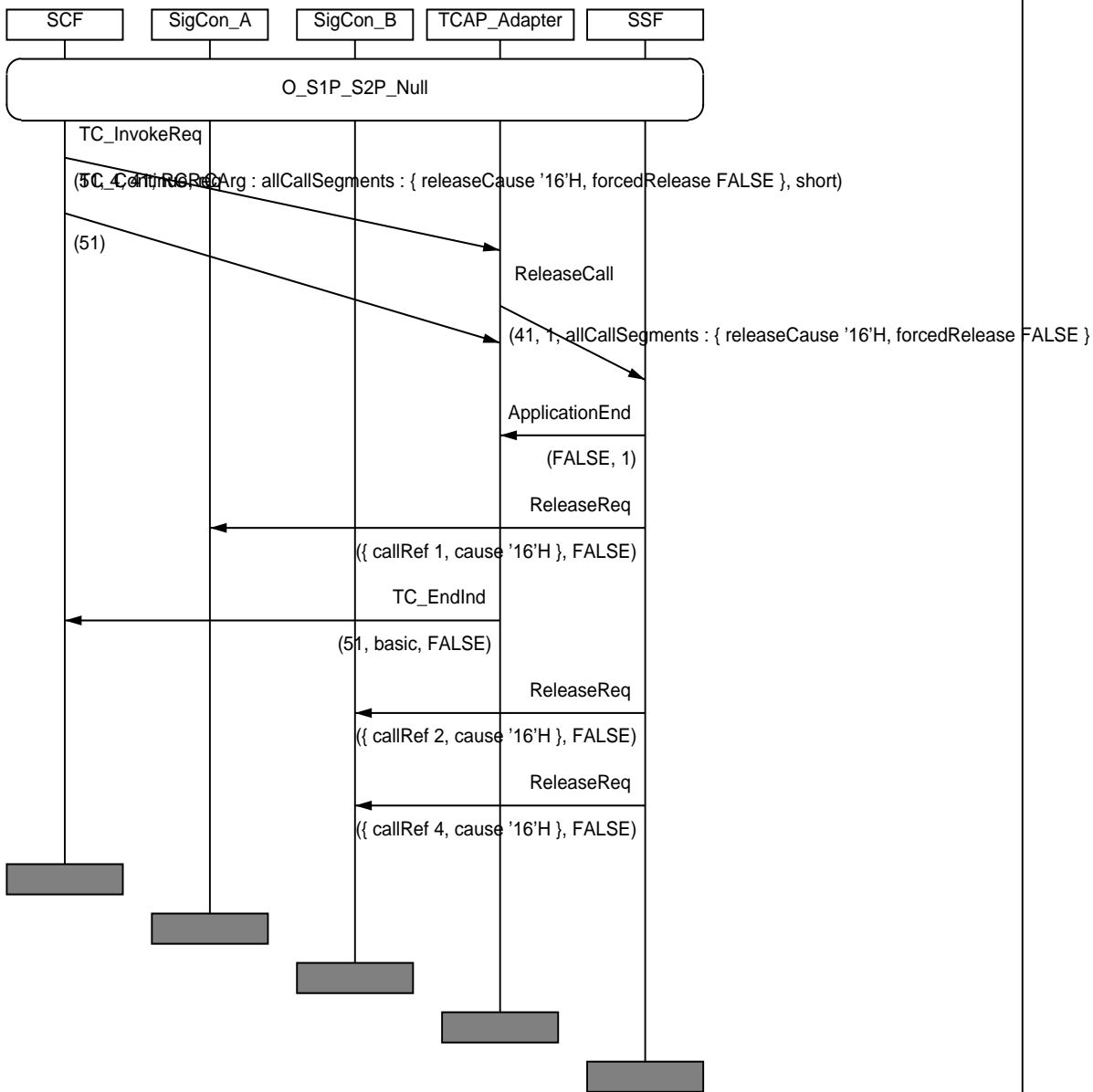
| IN3_A_CPH_RC_BV_03 | |
|---------------------------|---|
| Work item no.: | ITEM_CPH_9 |
| IN2 Ref(tmp) | IN2_A_CPH_RC_BV_03 |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble O_S1P_S2P_null sends to SigConA and SigConC a ReleaseReq, when having received from the SCF a ReleaseCall invoke component with parameters callSegmentToRelease(csID=2) and cause="normal, unspecified". |
| Requirements refs | 6.5.1.2.3/3.3, 8.2, 8.2.1, 8.2.1.2, 8.2.2, 8.2.2.2, 8.2.2.5, 8.3.2, 8.4.2, 11.32.1, 11.32.1.1.1, 11.32.3.1 |
| Selection Cond. | |
| Preamble: | O_S1P_S2P_null |
| Test description | SCF sends to SSF ReleaseCall invoke, with: <ul style="list-style-type: none"> - callSegmentToRelease(csID=2) - releaseCause=normal, unspecified |
| Pass criteria | CP1_1?ReleaseReq(Normal clearing) L1?EventReportBCSM(1,oDisconnect) L1!ContinueWithArgument(legID=1) CP1_3?ReleaseReq(Normal clearing) |
| Postamble: | Release_2 |

MSC IN3_A_CPH_RC_BV_03



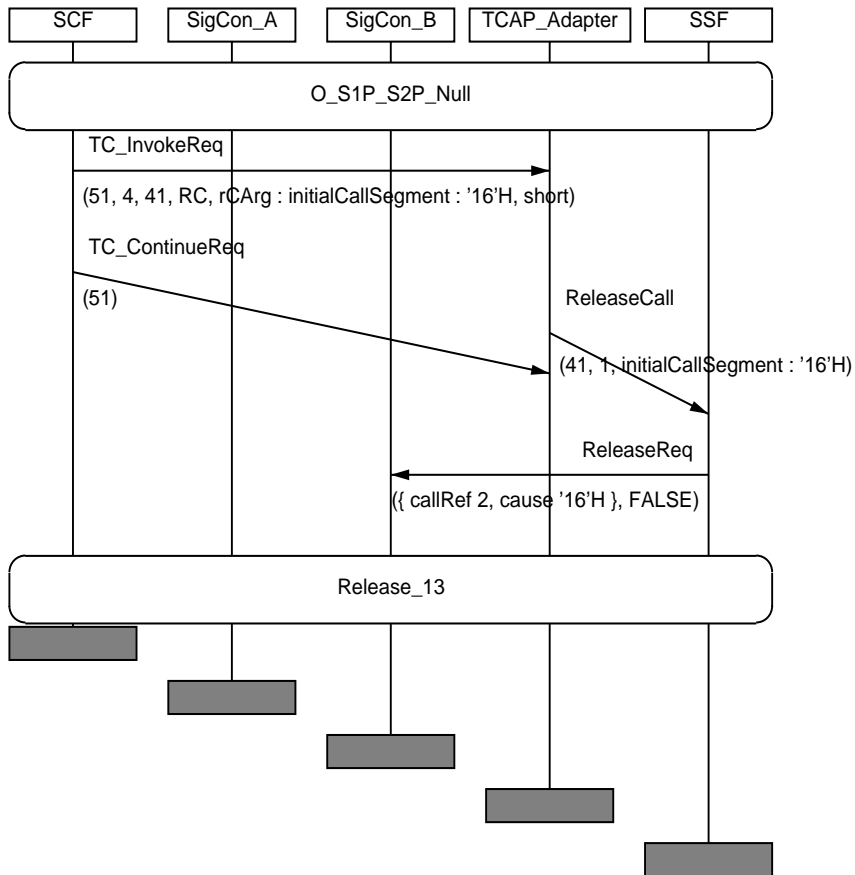
| IN3_A_CPH_RC_BV_04 | |
|---------------------------|---|
| Work item no.: | ITEM_CPH_141 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble O_S1P_S2P_null sends to SigConA, SigConB and SigConC a ReleaseReq, when having received from the SCF a ReleaseCall invoke component with parameters allCallSegments and cause="normal, unspecified". |
| Requirements refs | 6.5.1.2.3/3.3, 8.2, 8.2.1, 8.2.1.2, 8.2.2, 8.2.2.2, 8.2.2.5, 8.3.2, 8.4.2, 11.32.1, 11.32.1.1.1, 11.32.3.1 |
| Selection Cond. | |
| Preamble: | O_S1P_S2P_null |
| Test description | SCF sends to SSF ReleaseCall invoke, with: <ul style="list-style-type: none"> - allCallSegments - releaseCause=normal, unspecified |
| Pass criteria | CP1_1?ReleaseReq(Normal clearing) L1?EventReportBCSM(1,oDisconnect) L1!ContinueWithArgument(legID=1) CP1_2?ReleaseReq(Normal clearing) CP1_3?ReleaseReq(Normal clearing) |
| Postamble: | None |

MSC IN3_A_CPH_RC_BV_04



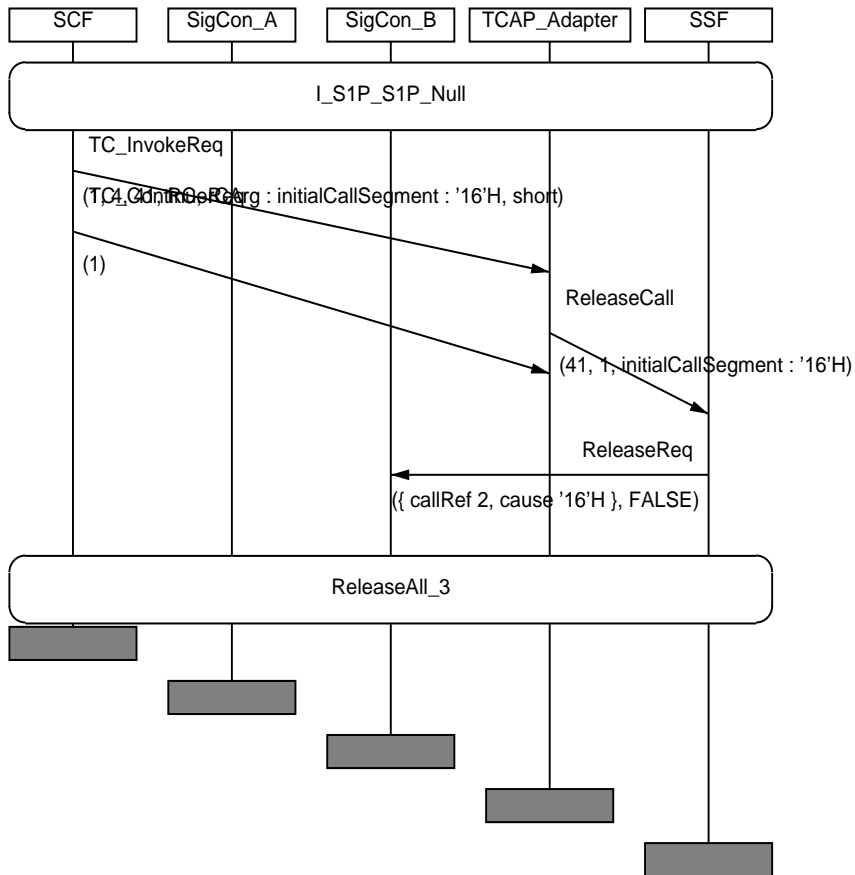
| IN3_A_CPH_RC_BV_05 | |
|---------------------------|---|
| Work item no.: | ITEM_CPH_142 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble O_S1P_S2P_null sends to SigConB a ReleaseReq, when having received from the SCF a ReleaseCall invoke component with parameters initialCallSegment and cause="normal, unspecified". |
| Requirements refs | 6.5.1.2.3/3.3, 8.2, 8.2.1, 8.2.1.2, 8.2.2, 8.2.2.2, 8.2.2.5, 8.3.2, 8.4.2, 11.32.1, 11.32.1.1.1, 11.32.3.1 |
| Selection Cond. | |
| Preamble: | O_S1P_S2P_null |
| Test description | SCF sends to SSF ReleaseCall invoke, with: <ul style="list-style-type: none"> - initialCallSegment - releaseCause=normal, unspecified |
| Pass criteria | CP1_2?ReleaseReq(Normal clearing) |
| Postamble: | Release_13 |

MSC IN3_A_CPH_RC_BV_05



| IN3_A_CPH_RC_BV_06 | |
|---------------------------|---|
| Work item no.: | ITEM_CPH_143 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble I_S1P_S1P_null sends to SigConB a ReleaseReq, when having received from the SCF a ReleaseCall invoke component with parameters initialCallSegment and cause="normal, unspecified". |
| Requirements refs | 6.5.1.2.3/3.3, 8.2, 8.2.1, 8.2.1.2, 8.2.2, 8.2.2.2, 8.2.2.5, 8.3.2, 8.4.2, 11.32.1, 11.32.1.1.1, 11.32.3.1 |
| Selection Cond. | |
| Preamble: | I_S1P_S1P_null |
| Test description | SCF sends to SSF ReleaseCall invoke, with: <ul style="list-style-type: none"> - initialCallSegment - releaseCause=normal, unspecified |
| Pass criteria | CP1_2?ReleaseReq(Normal clearing) |
| Postamble: | Release_3 |

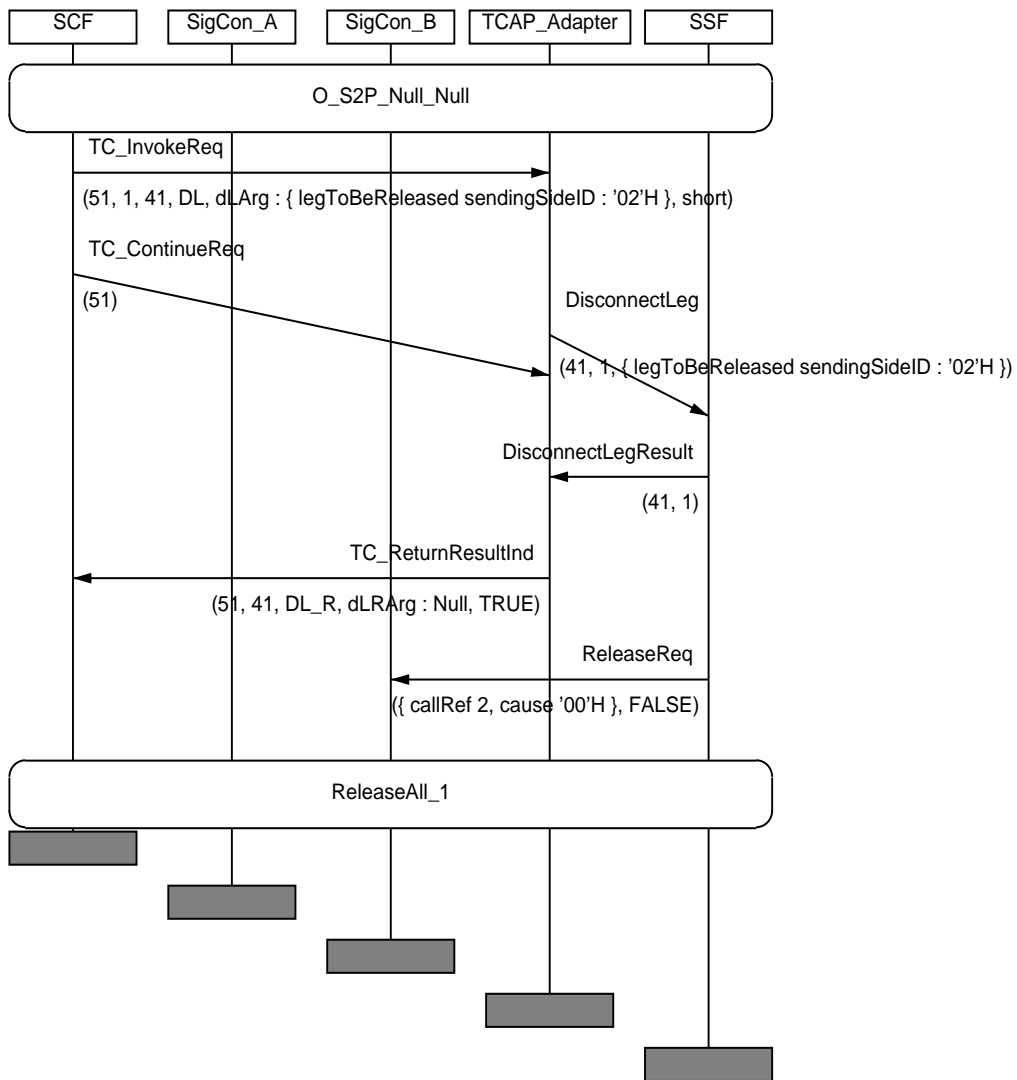
MSC IN3_A_CPH_RC_BV_06



8.6 DisconnectLeg (DL) procedure

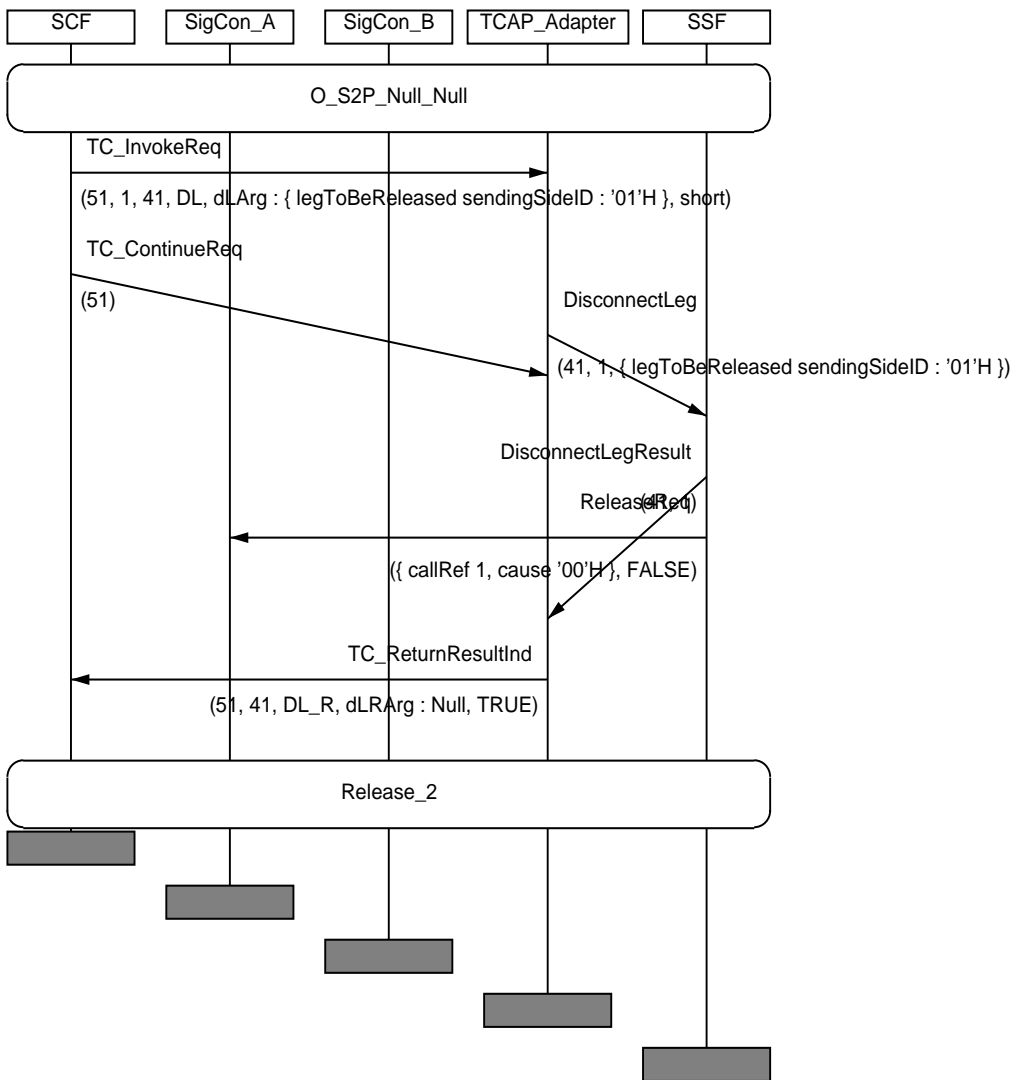
| IN3_A_CPH_DL_BV_01 | |
|---------------------------|--|
| Work item no.: | ITEM_CPH_10 |
| IN2 Ref(tmp) | IN2_A_CPH_DL_BV_01 |
| Purpose: | Verify that the SSF sends a DisconnectLeg ReturnResult component when having received a DisconnectLeg invoke component with the CS of the legToBeReleased (passive) being in the Stable_2_Party state, and sends a ReleaseReq signal to SigConB. |
| Requirements refs | 6.5.1.2.3, 6.6.3.4.2.3, 6.6.3.4.2.4, 6.6.3.4.2.5, 6.6.3.4.2.7, 6.6.3.4.3., 8.2, 8.2.1.2, 8.2.2, 8.2.2.2, 11.20.1, 11.20.1.1.1, 11.20.3.1 |
| Selection Cond. | |
| Preamble: | O_S2P_null_null |
| Test description | L1!DisconnectLeg(2) |
| Pass criteria | L1?DisconnectLeg ReturnResult CP1_2?ReleaseReq(Normal clearing) |
| Postamble: | ReleaseAll_1 |

MSC IN3_A_CPH_DL_BV_01



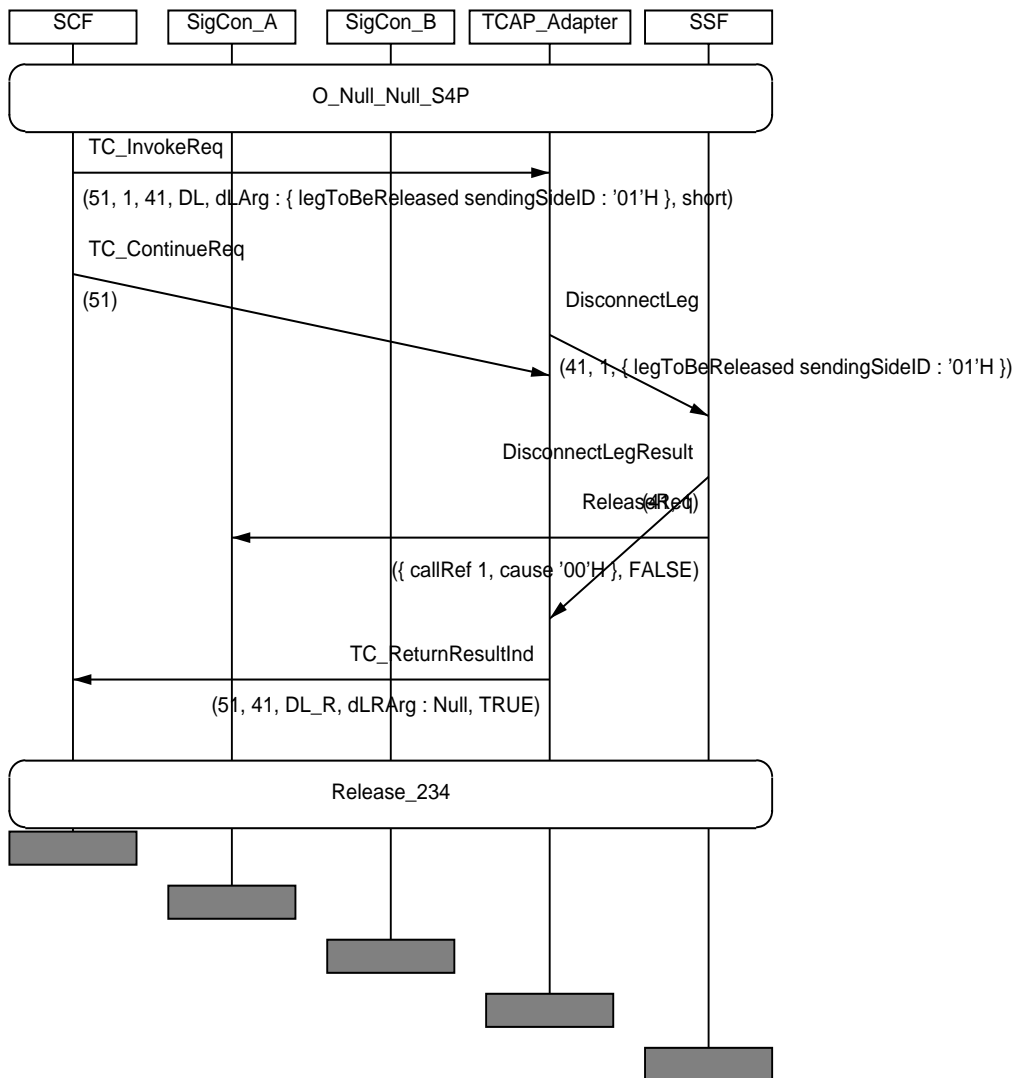
| IN3_A_CPH_DL_BV_02 | |
|---------------------------|--|
| Work item no.: | ITEM_CPH_147 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a DisconnectLeg ReturnResult component when having received a DisconnectLeg invoke component with the CS of the legToBeReleased (controlling) being in the Stable_2 Party state, and sends a ReleaseReq signal to SigConA. |
| Requirements refs | 6.5.1.2.3, 6.6.3.4.2.3, 6.6.3.4.2.4, 6.6.3.4.2.5, 6.6.3.4.2.7, 6.6.3.4.3., 8.2, 8.2.1.2, 8.2.2, 8.2.2.2, 11.20.1, 11.20.1.1.1, 11.20.3.1 |
| Selection Cond. | |
| Preamble: | O_S2P_null_null |
| Test description | L1!DisconnectLeg(1) |
| Pass criteria | L1?DisconnectLeg ReturnResult CP1_1?ReleaseReq(Normal clearing) |
| Postamble: | Release_2 |

MSC IN3_A_CPH_DL_BV_02



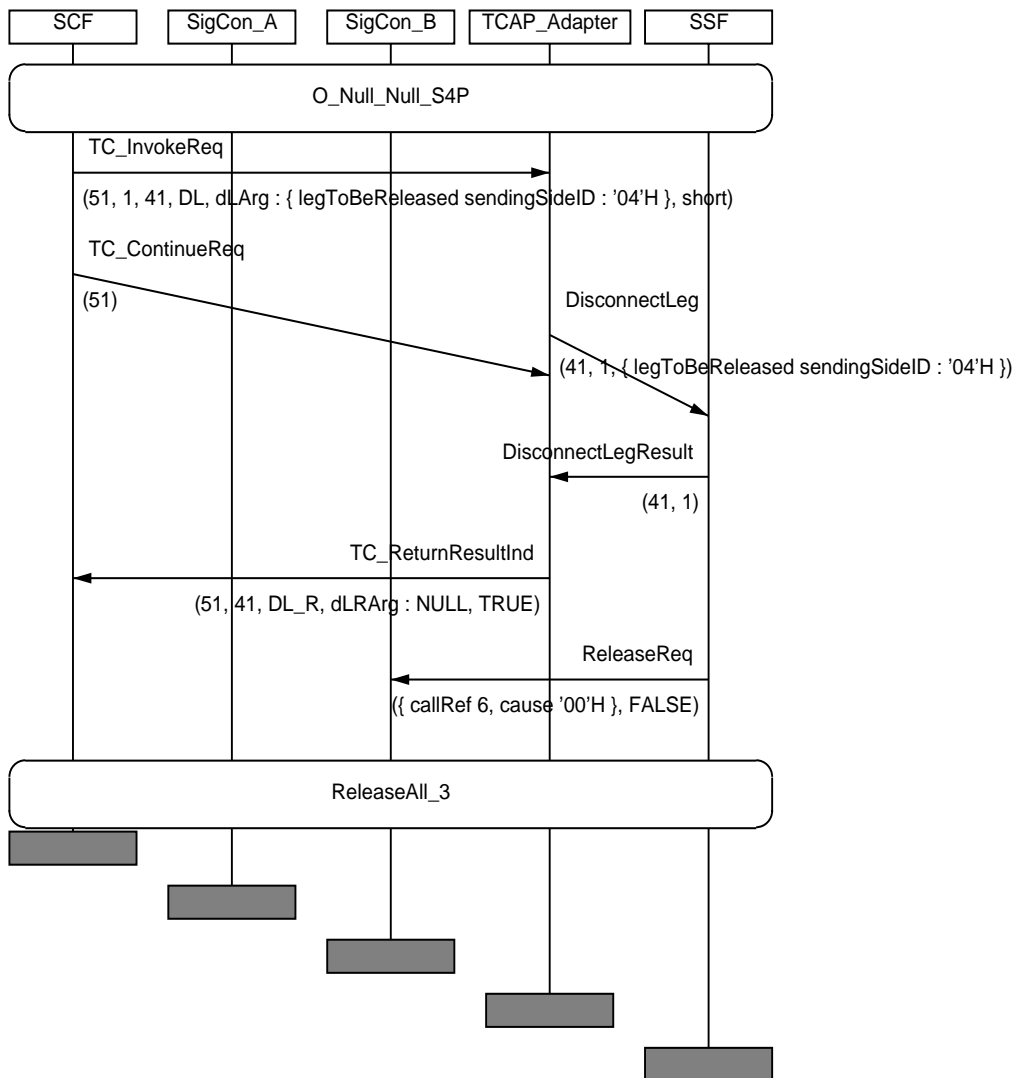
| IN3_A_CPH_DL_BV_03 | |
|---------------------------|--|
| Work item no.: | ITEM_CPH_148 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a DisconnectLeg ReturnResult component when having received a DisconnectLeg invoke component with the CS of the legToBeReleased (controlling) being in the Stable_4 Party state, and sends a ReleaseReq signal to SigConA. |
| Requirements refs | 6.5.1.2.3, 6.6.3.4.2.3, 6.6.3.4.2.4, 6.6.3.4.2.5, 6.6.3.4.2.7, 6.6.3.4.3., 8.2, 8.2.1.2, 8.2.2, 8.2.2.2, 11.20.1, 11.20.1.1.1, 11.20.3.1 |
| Selection Cond. | |
| Preamble: | O_null_null_S4P |
| Test description | L1!DisconnectLeg(1) |
| Pass criteria | L1?DisconnectLeg ReturnResult CP1_1?ReleaseReq(Normal clearing) |
| Postamble: | Release_234 |

MSC IN3_A_CPH_DL_BV_03



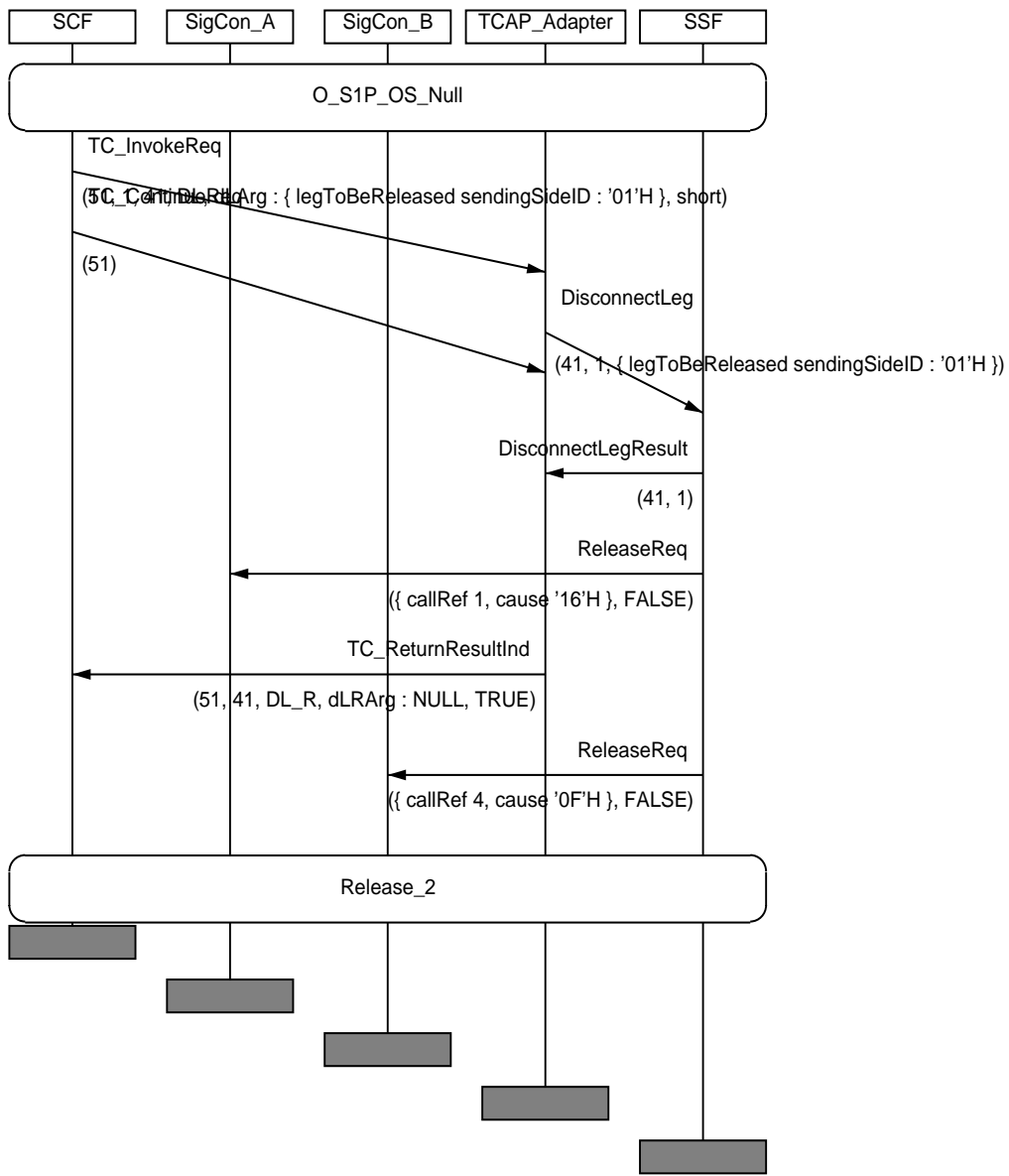
| IN3_A_CPH_DL_BV_04 | |
|---------------------------|--|
| Work item no.: | ITEM_CPH_149 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a DisconnectLeg ReturnResult component when having received a DisconnectLeg invoke component with the CS of the legToBeReleased (4,passive) being in the Stable_4 Party state, and sends a ReleaseReq signal to SigConD. |
| Requirements refs | 6.5.1.2.3, 6.6.3.4.2.3, 6.6.3.4.2.4, 6.6.3.4.2.5, 6.6.3.4.2.7, 6.6.3.4.3., 8.2, 8.2.1.2, 8.2.2, 8.2.2.2, 11.20.1, 11.20.1.1.1, 11.20.3.1 |
| Selection Cond. | |
| Preamble: | O_null_null_S4P |
| Test description | L1!DisconnectLeg(4) |
| Pass criteria | L1?DisconnectLeg ReturnResult CP1_4?ReleaseReq(Normal clearing) |
| Postamble: | ReleaseAll_3 |

MSC IN3_A_CPH_DL_BV_04



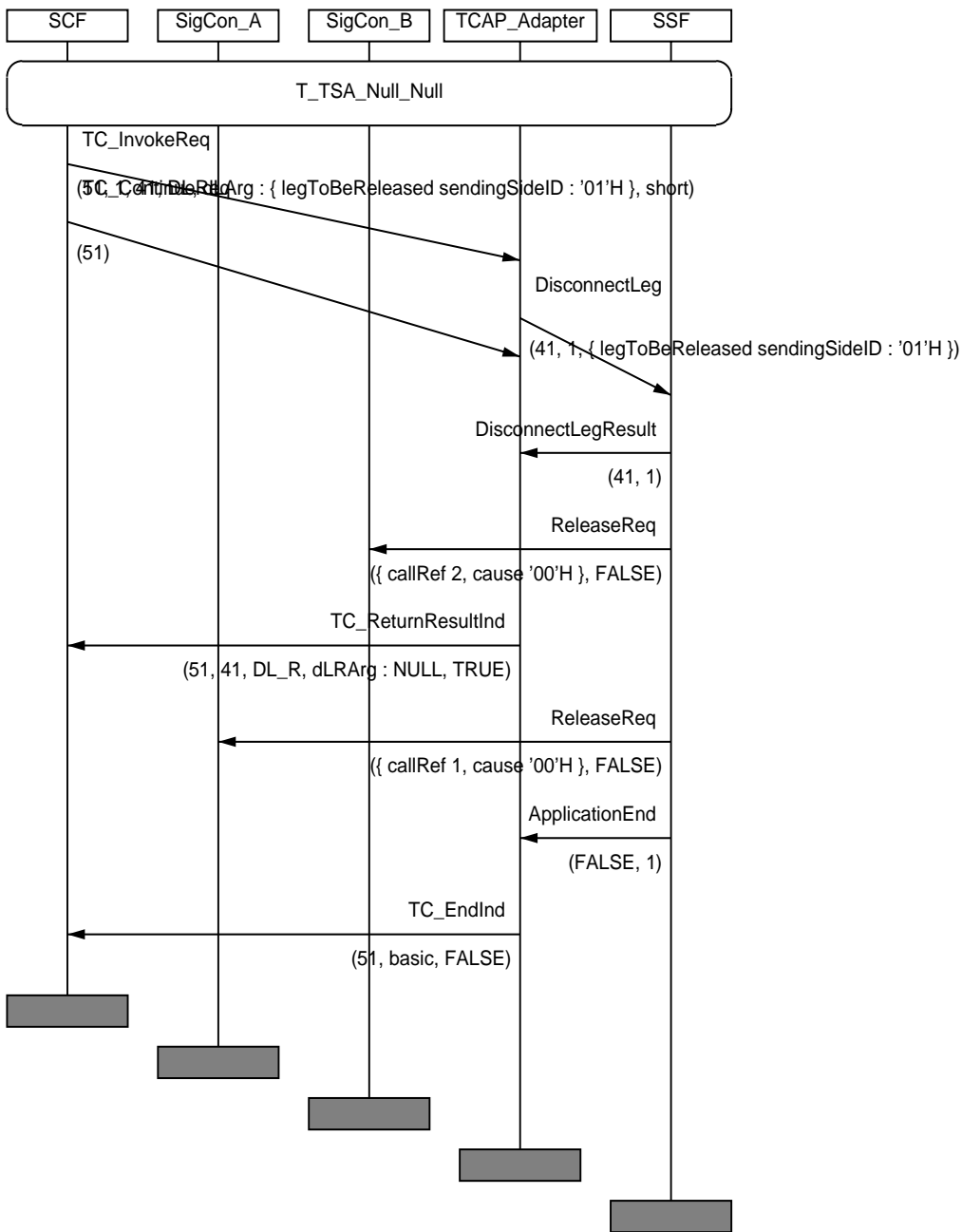
| IN3_A_CPH_DL_BV_05 | |
|---------------------------|--|
| Work item no.: | ITEM_CPH_145 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a DisconnectLeg ReturnResult component when having received a DisconnectLeg invoke component with the CS of the legToBeReleased (controlling) being in the Originating_Setup state, and sends a ReleaseReq signal to the signalling controlling entities of the controlling and the passive leg (SigConA and SigConB). |
| Requirements refs | 6.5.1.2.3, 6.6.3.4.2.3, 6.6.3.4.2.4, 6.6.3.4.2.5, 6.6.3.4.2.7, 6.6.3.4.3., 8.2, 8.2.1.2, 8.2.2, 8.2.2.2, 11.20.1, 11.20.1.1.1, 11.20.3.1 |
| Selection Cond. | |
| Preamble: | O_S1P_OS_null |
| Test description | L1!DisconnectLeg(1) |
| Pass criteria | L1?DisconnectLeg ReturnResult CP1_1?ReleaseReq(Normal clearing) CP1_3?ReleaseReq(Normal clearing) |
| Postamble: | Release_2 |

MSC IN3_A_CPH_DL_BV_05



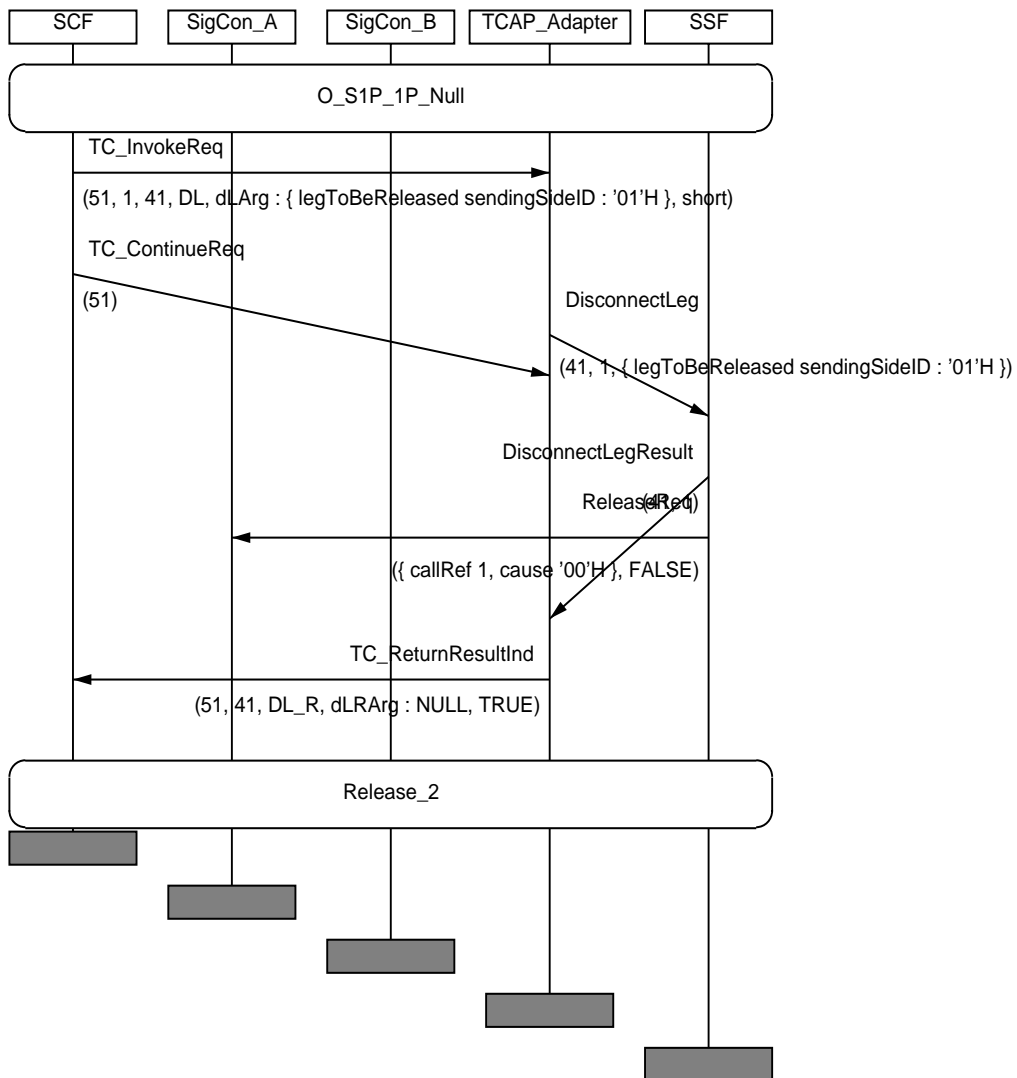
| IN3_A_CPH_DL_BV_06 | |
|---------------------------|--|
| Work item no.: | ITEM_CPH_150 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a DisconnectLeg ReturnResult component when having received a DisconnectLeg invoke component with the CS of the legToBeReleased (1,passive) being in the Terminating_Setup state, and sends a ReleaseReq signal to the signalling controlling entities of the controlling and the passive leg (SigConA and SigConB). |
| Requirements refs | 6.5.1.2.3, 6.6.3.4.2.3, 6.6.3.4.2.4, 6.6.3.4.2.5, 6.6.3.4.2.7, 6.6.3.4.3., 8.2, 8.2.1.2, 8.2.2, 8.2.2.2, 11.20.1, 11.20.1.1.1, 11.20.3.1 |
| Selection Cond. | |
| Preamble: | T_TSA_null_null |
| Test description | L1!DisconnectLeg(1) |
| Pass criteria | L1?DisconnectLeg ReturnResult CP1_1?ReleaseReq(Normal clearing) CP1_2?ReleaseReq(Normal clearing) |
| Postamble: | None |

MSC IN3_A_CPH_DL_BV_06



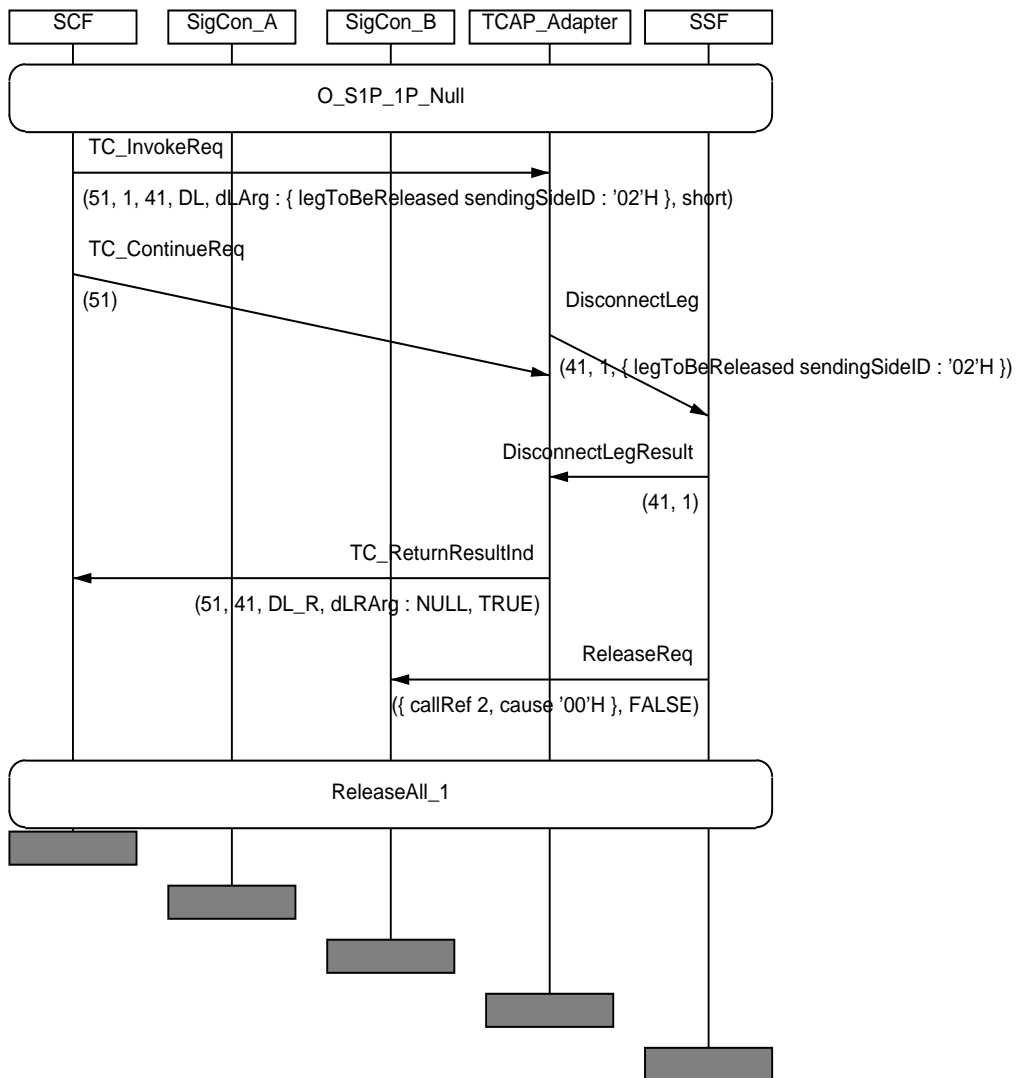
| IN3_A_CPH_DL_BV_07 | |
|---------------------------|---|
| Work item no.: | ITEM_CPH_146 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a DisconnectLeg ReturnResult component when having received a DisconnectLeg invoke component with the CS of the legToBeReleased (controlling) being in the 1_Party state, and sends a ReleaseReq signal to SigConA. |
| Requirements refs | 6.5.1.2.3, 6.6.3.4.2.3, 6.6.3.4.2.4, 6.6.3.4.2.5, 6.6.3.4.2.7, 6.6.3.4.3., 8.2, 8.2.1.2, 8.2.2, 8.2.2.2, 11.20.1, 11.20.1.1.1, 11.20.3.1 |
| Selection Cond. | |
| Preamble: | O_S1P_1P_null |
| Test description | L1!DisconnectLeg(1) |
| Pass criteria | L1?DisconnectLeg ReturnResult CP1_1?ReleaseReq(Normal clearing) |
| Postamble: | Release_2 |

MSC IN3_A_CPH_DL_BV_07



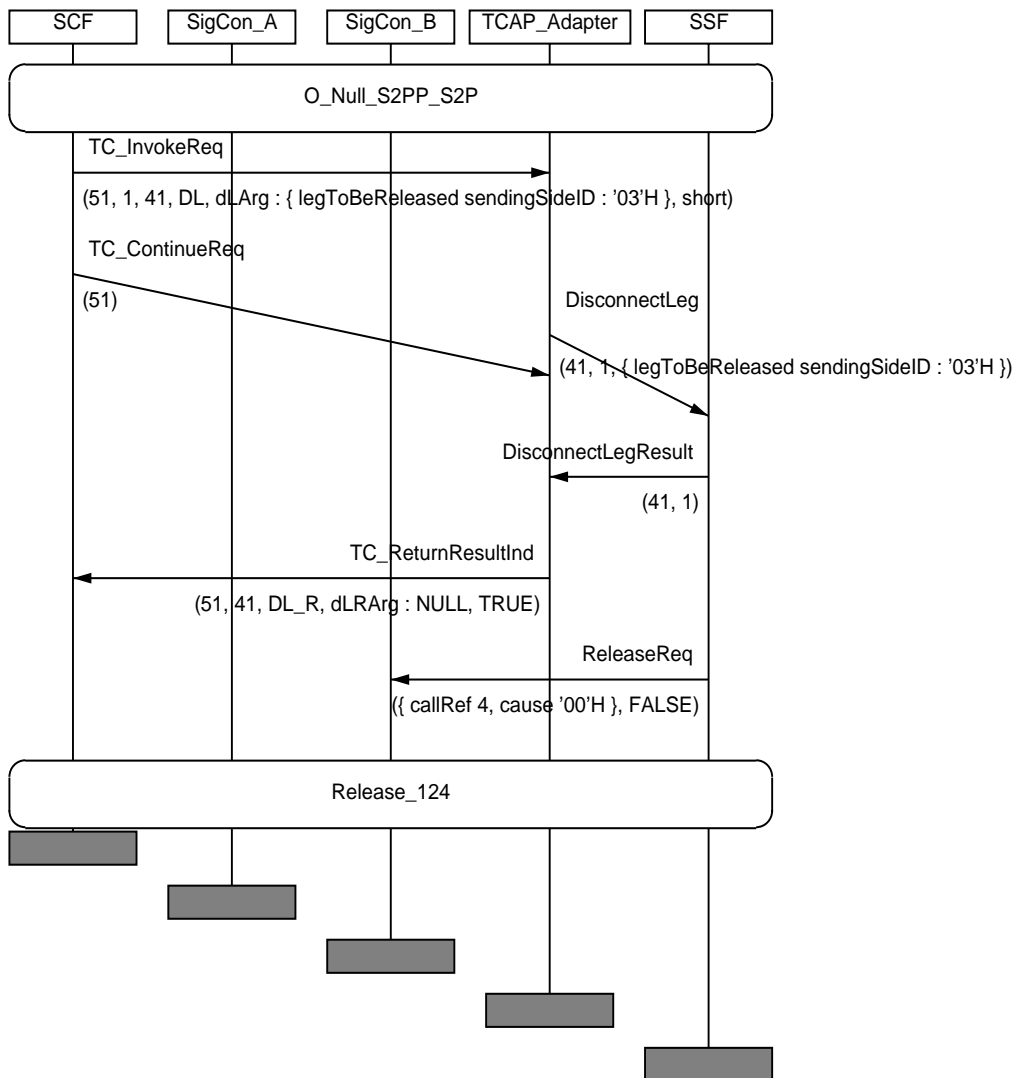
| IN3_A_CPH_DL_BV_08 | |
|---------------------------|--|
| Work item no.: | ITEM_CPH_151 |
| IN2 Ref(tmp) | |
| Purpose: | Verify that the SSF sends a DisconnectLeg ReturnResult component when having received a DisconnectLeg invoke component with the legToBeReleased (passive) being in the Stable_1_Party state, and sends a ReleaseReq signal to SigConB. |
| Requirements refs | 6.5.1.2.3, 6.6.3.4.2.3, 6.6.3.4.2.4, 6.6.3.4.2.5, 6.6.3.4.2.7, 6.6.3.4.3., 8.2, 8.2.1.2, 8.2.2, 8.2.2.2, 11.20.1, 11.20.1.1.1, 11.20.3.1 |
| Selection Cond. | |
| Preamble: | O_S1P_1P_null |
| Test description | L1!DisconnectLeg(2) |
| Pass criteria | L1?DisconnectLeg ReturnResult CP1_2?ReleaseReq(Normal clearing) |
| Postamble: | ReleaseAll_1 |

MSC IN3_A_CPH_DL_BV_08

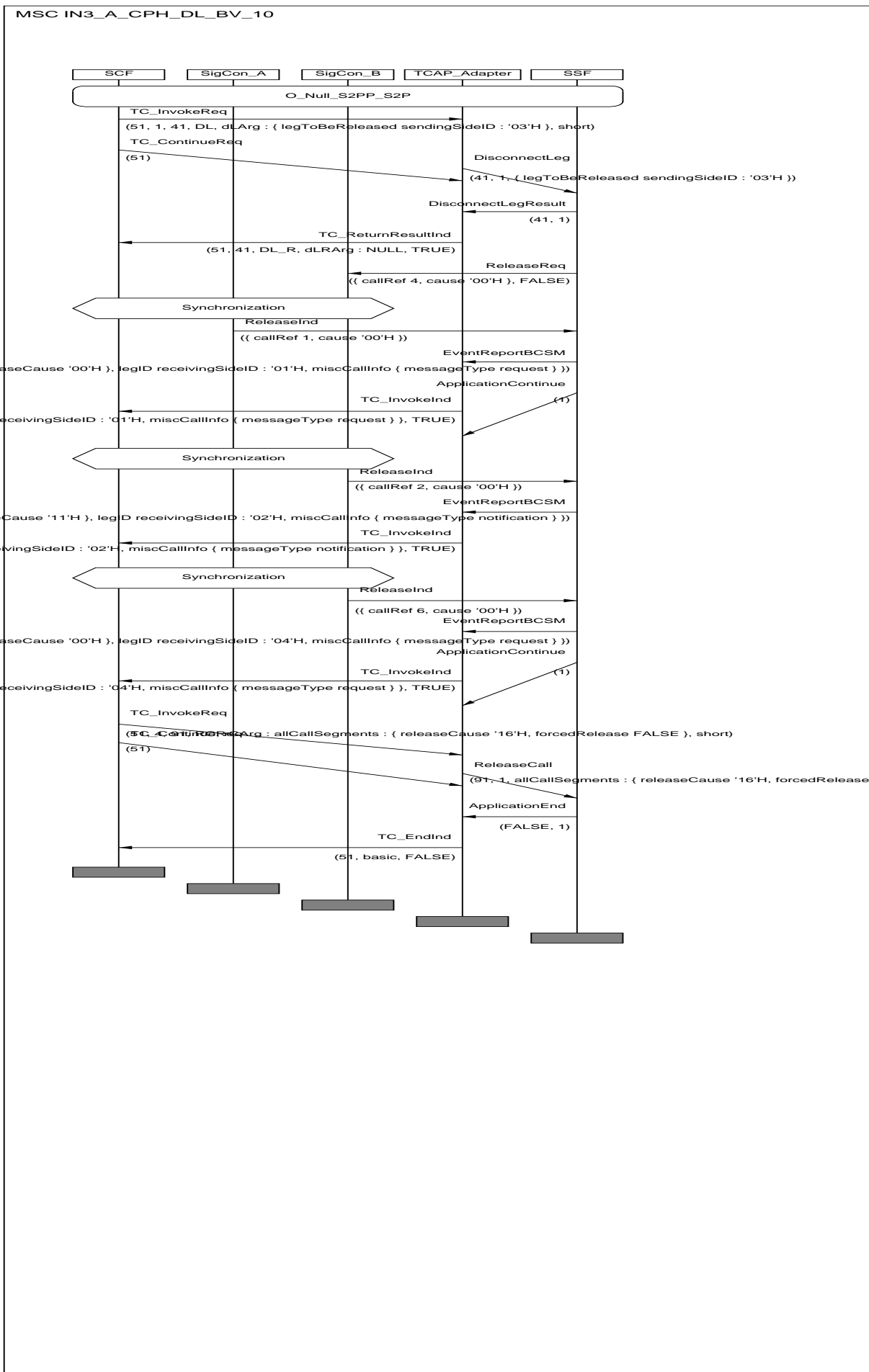


| IN3_A_CPH_DL_BV_09 | |
|---------------------------|--|
| Work item no.: | ITEM_CPH_11 |
| IN2 Ref(tmp) | IN2_A_CPH_DL_BV_02 |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble O_null_S2PP_S2P (multiple CS with multiple legs), sends to the SCF a DisconnectLeg ReturnResult component and to SigConC a ReleaseReq, when having received from the SCF a DisconnectLeg invoke component with parameter legToBeReleased=3. |
| Requirements refs | 6.5.1.2.3, 6.6.3.4.2.3, 6.6.3.4.2.4, 6.6.3.4.2.5, 6.6.3.4.2.7, 6.6.3.4.3., 8.2, 8.2.1.2, 8.2.2, 8.2.2.2, 11.20.1, 11.20.1.1.1, 11.20.3.1 |
| Selection Cond. | |
| Preamble: | O_null_S2PP_S2P |
| Test description | L1!DisconnectLeg(3) |
| Pass criteria | L1?DisconnectLeg ReturnResult CP1_3?ReleaseReq(Normal clearing) |
| Postamble: | Release_124 |

MSC IN3_A_CPH_DL_BV_09

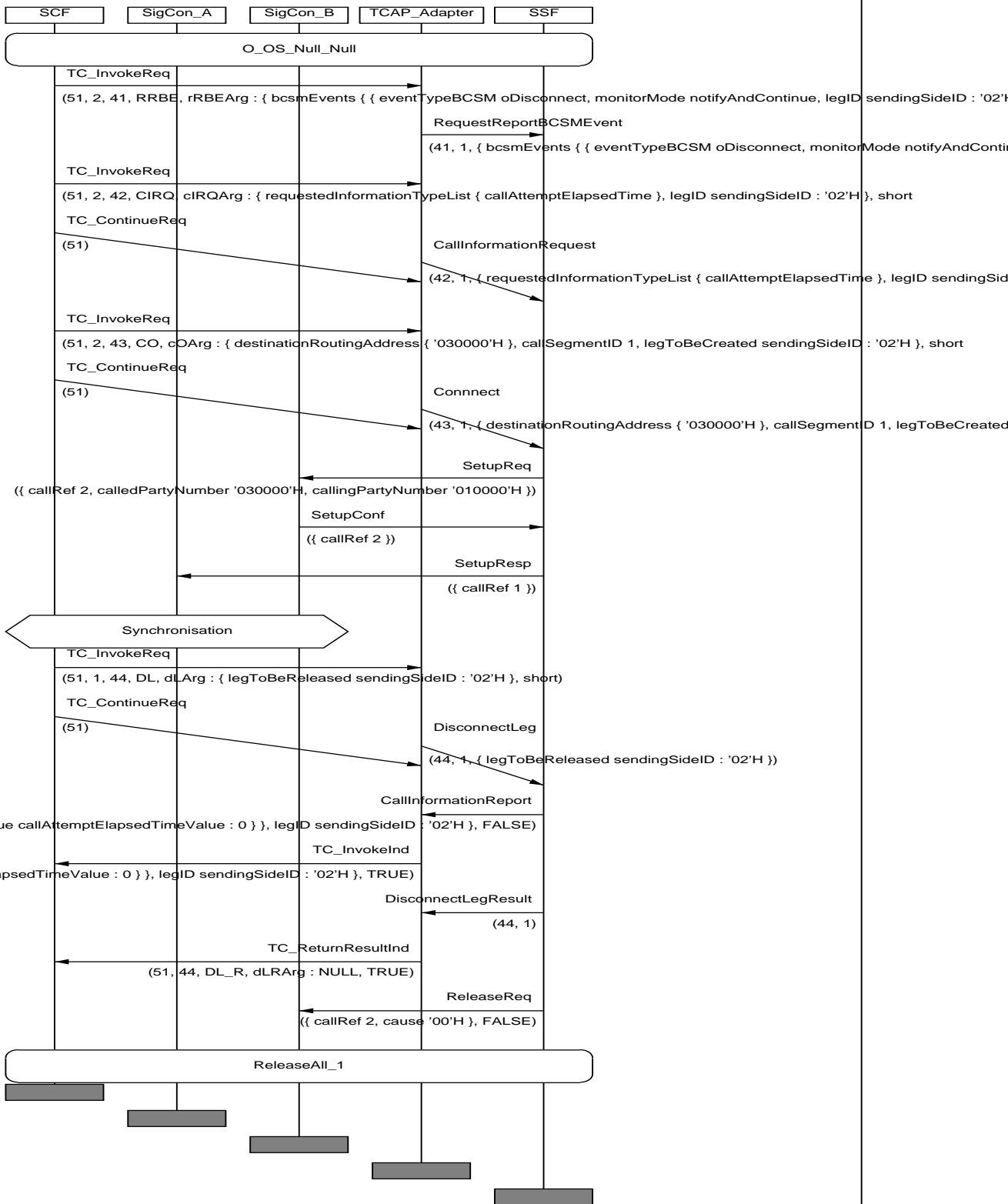


| IN3_A_CPH_DL_BV_10 | |
|---------------------------|--|
| Work item no.: | ITEM_CPH_152 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble O_null_S2PP_S2P (multiple CS with multiple legs), keeps the event detection points armed on the remaining legs after performing the DisconnectLeg operation on one (passive) leg. |
| Requirements refs | 6.5.1.2.3, 6.6.3.4.2.3, 6.6.3.4.2.4, 6.6.3.4.2.5, 6.6.3.4.2.7, 6.6.3.4.3., 8.2, 8.2.1.2, 8.2.2, 8.2.2.2, 11.20.1, 11.20.1.1.1, 11.20.3.1 |
| Selection Cond. | |
| Preamble: | O_null_S2PP_S2P |
| Test description | L1!DisconnectLeg(3) L1?DisconnectLeg ReturnResult CP1_3?ReleaseReq(Normal clearing) CP1_1!ReleaseInd(Normal clearing) L1?EventReportBCSM(1,oDisconnect) CP1_2!ReleaseInd(Normal clearing) L1?EventReportBCSM(2,oDisconnect) CP1_4!ReleaseInd(Normal clearing) L1?EventReportBCSM(4,oDisconnect) L1!ReleaseCall(allCallSegments) |
| Pass criteria | DisconnectLeg ReturnResult and 3 EventReportBCSMs received. |
| Postamble: | None |



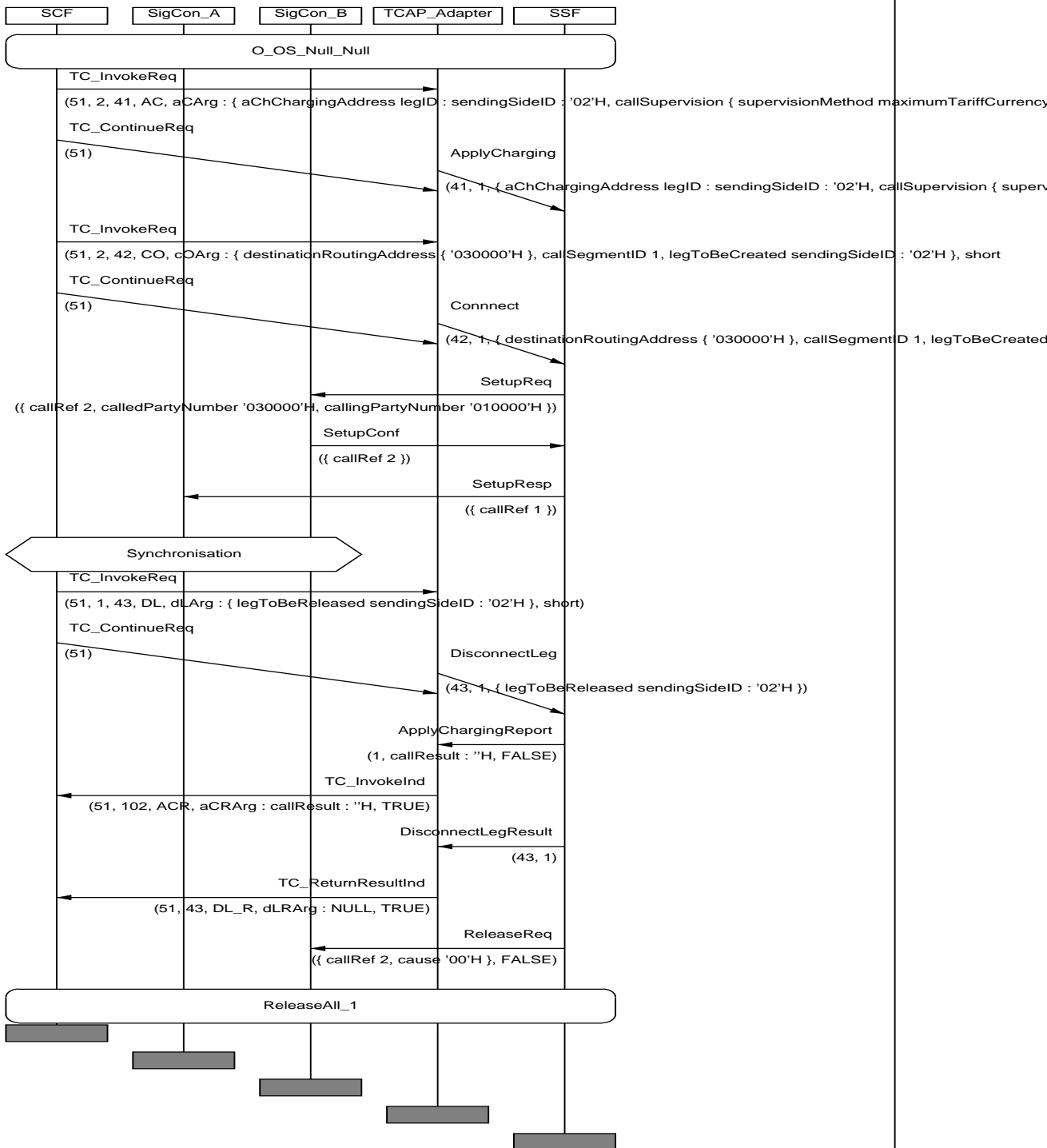
| IN3_A_CPH_DL_BV_11 | |
|---------------------------|---|
| Work item no.: | ITEM_CPH_12 |
| IN2 Ref(tmp) | IN2_A_CPH_DL_BV_03 |
| Purpose: | Verify that the SSF sends to the SCF a CallInformationReport, when a CallInformationRequest has been invoked on leg2 (passive) and leg2 has been disconnected. |
| Requirements refs | 6.5.1.2.2, 6.5.1.2.3, 6.6.3.3.2.1, 6.6.3.4.2.3, 6.6.3.4.2.4, 6.6.3.4.2.5, 6.6.3.4.2.7, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 8.2.2.5, 8.2.2.6, 8.2.2.7, 11.7, 11.8, 11.20.1, 11.20.1.1.1, 11.20.3.1 |
| Selection Cond. | |
| Preamble: | O_OS_null_null |
| Test description | L1!RequestReportBCSMEvent(2,notifyAndContinue,oDisconnect) L1!CallInformationRequest(2) L1!Connect(2,1) CP1_2?SetUpReq CP1_2!SetUpConf CP1_1?SetUpResp L1!DisconnectLeg(2) |
| Pass criteria | L1?CallInformationReport(2) L1?DisconnectLeg ReturnResult CP1_2?ReleaseReq(Normal clearing) |
| Postamble: | ReleaseAll_1 |

MSC IN3_A_CPH_DL_BV_11



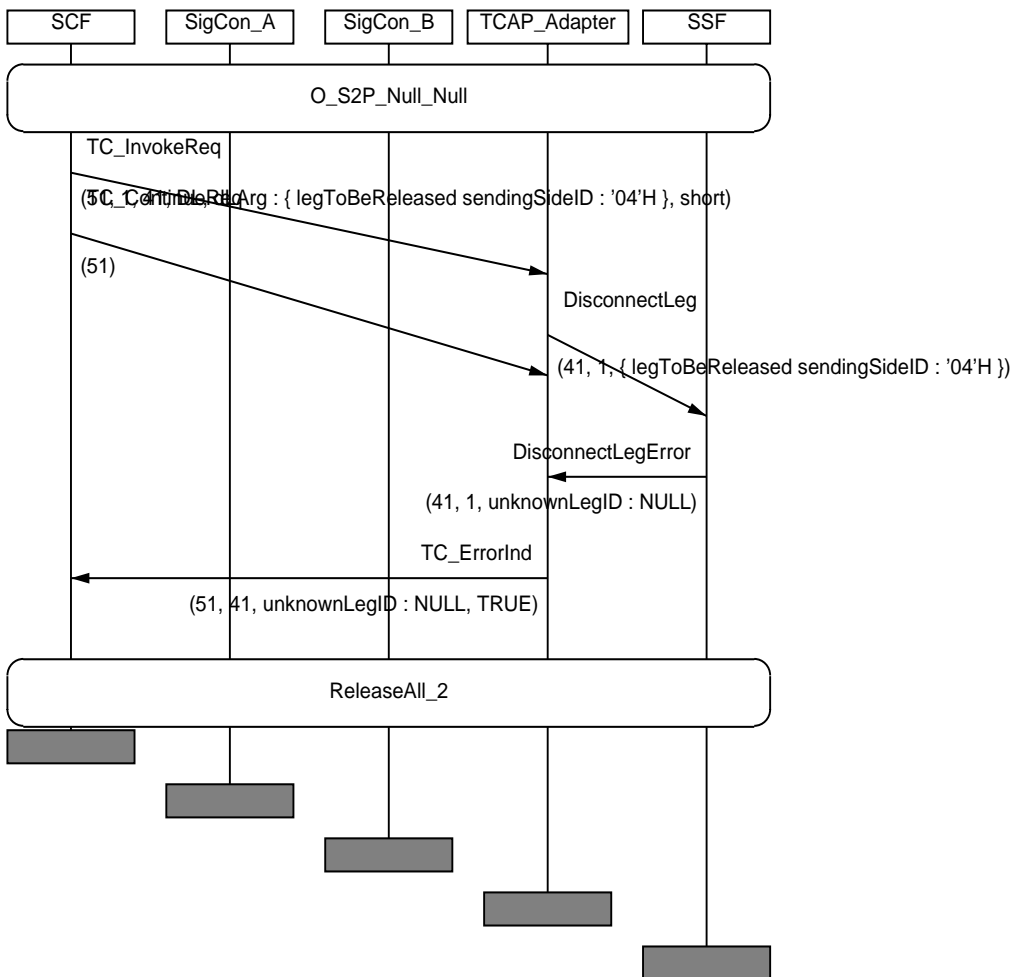
| IN3_A_CPH_DL_BV_12 | |
|---------------------------|---|
| Work item no.: | ITEM_CPH_207 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends to the SCF a ApplyChargingReport, when a ApplyChargingRequest has been invoked on leg2 (passive) and leg2 has been disconnected. |
| Requirements refs | 6.5.1.2.2, 6.5.1.2.3, 6.6.3.3.2.1, 6.6.3.4.2.3, 6.6.3.4.2.4, 6.6.3.4.2.5, 6.6.3.4.2.7, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 8.2.2.5, 8.2.2.6, 8.2.2.7, 11.7, 11.8, 11.20.1, 11.20.1.1.1, 11.20.3.1 |
| Selection Cond. | |
| Preamble: | O_OS_null_null |
| Test description | L1!ApplyChargingRequest(2) L1!Connect(2,1) CP1_2?SetUpReq CP1_2!SetUpConf CP1_1?SetUpResp L1!DisconnectLeg(2) |
| Pass criteria | L1?ApplyChargingReport(2) L1?DisconnectLeg ReturnResult CP1_2?ReleaseReq(Normal clearing) (The expected events may appear in any order) |
| Postamble: | ReleaseAll_1 |

MSC IN3_A_CPH_DL_BV_12



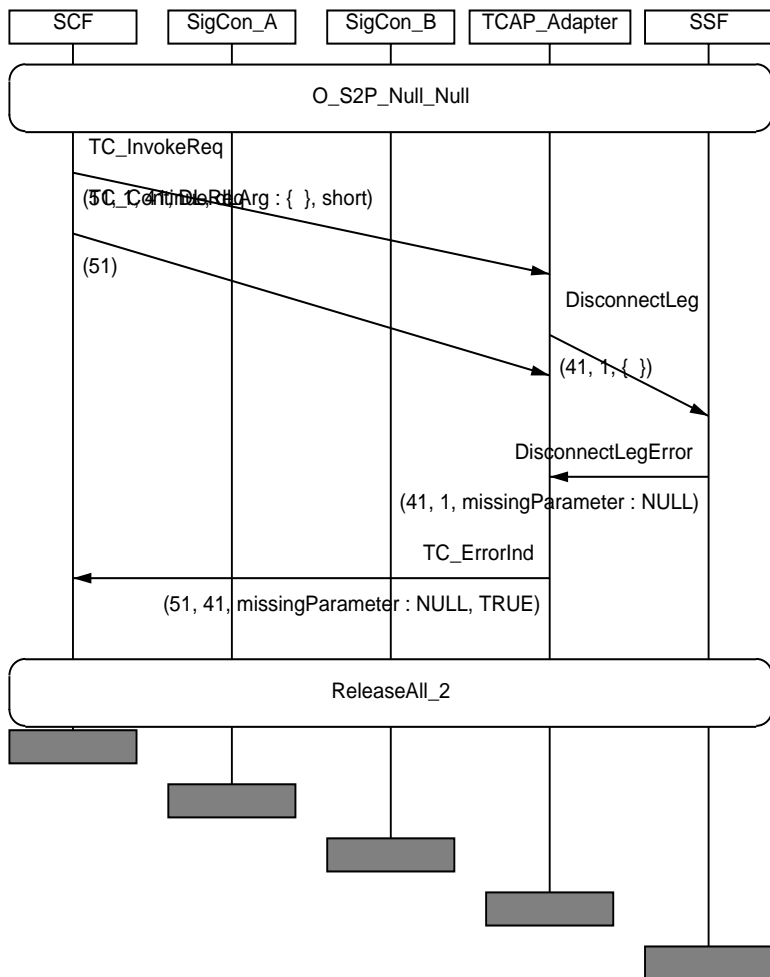
| IN3_A_CPH_DL_BI_01 | |
|---------------------------|---|
| Work item no.: | ITEM_CPH_13 |
| IN2 Ref(tmp) | IN2_A_CPH_DL_BI_01 |
| Purpose: | Verify that the SSF sends to the SCF a DisconnectLeg ReturnError component (unknownlegID) after having received from the SCF a DisconnectLeg invoke component with parameter legToBeReleased not being assigned to a leg. |
| Requirements refs | 11.20.1, 11.20.1.1.1, 11.20.3.2, 13.1.12.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | O_S2P_null_null |
| Test description | L1!DisconnectLeg(4) |
| Pass criteria | L1?DisconnectLeg ReturnError(unknownlegID) |
| Postamble: | ReleaseAll_2 |

MSC IN3_A_CPH_DL_BI_01



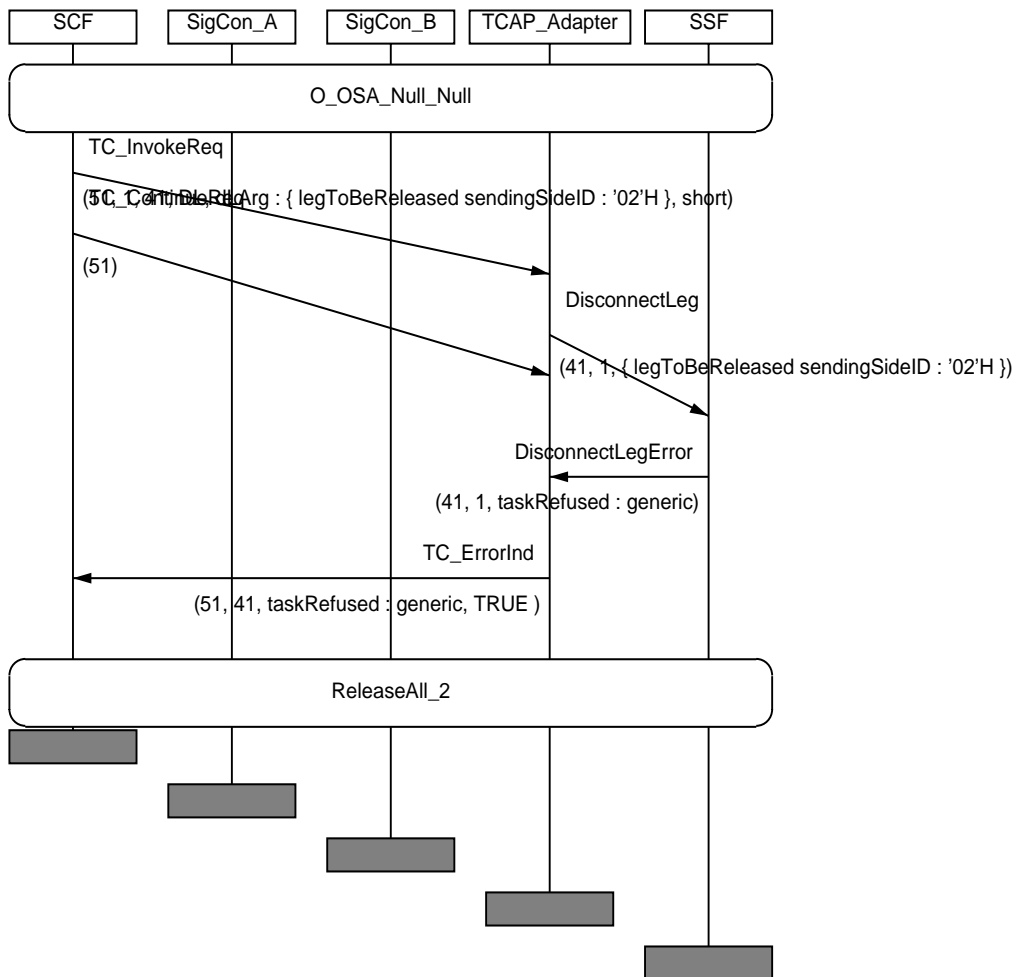
| IN3_A_CPH_DL_BI_02 | |
|---------------------------|--|
| Work item no.: | ITEM_CPH_155 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends to the SCF a DisconnectLeg ReturnError component (missingParameter) after having received from the SCF a DisconnectLeg invoke component without parameter legToBeReleased. |
| Requirements refs | 6.5.1.2.3, 6.6.3.4.2.3, 6.6.3.4.2.4, 6.6.3.4.2.5, 6.6.3.4.2.7, 6.6.3.4.3., 8.2, 8.2.1.2, 8.2.2, 8.2.2.2, 11.20.1, 11.20.1.1.1, 11.20.3.1 |
| Selection Cond. | |
| Preamble: | O_S2P_null_null |
| Test description | L1!DisconnectLeg (no legToBeReleased parameter contained) |
| Pass criteria | L1?DisconnectLeg ReturnError(missingParameter) |
| Postamble: | ReleaseAll_2 |

MSC IN3_A_CPH_DL_BI_02



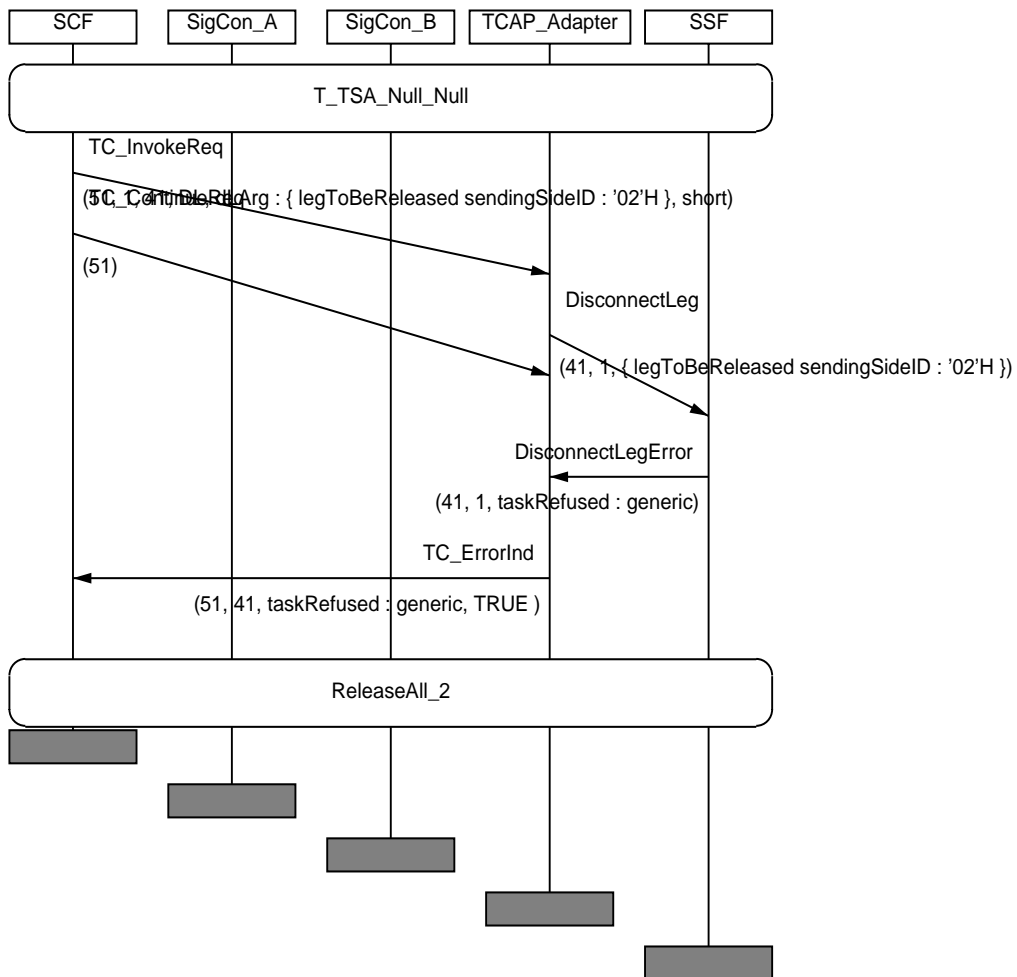
| IN3_A_CPH_DL_BO_01 | |
|---------------------------|--|
| Work item no.: | ITEM_CPH_154 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends to the SCF a DisconnectLeg ReturnError component (taskRefused), after having received from the SCF a DisconnectLeg invoke component with the CS of the legToBeReleased (passive) being in the Originating_Setup state. |
| Requirements refs | 6.5.1.2.3, 6.6.3.4.2.3, 6.6.3.4.2.4, 6.6.3.4.2.5, 6.6.3.4.2.7, 6.6.3.4.3., 8.2, 8.2.1.2, 8.2.2, 8.2.2.2, 11.20.1, 11.20.1.1.1, 11.20.3.1 |
| Selection Cond. | |
| Preamble: | O_OSA_null_null |
| Test description | L1!DisconnectLeg(2) |
| Pass criteria | L1?DisconnectLeg ReturnError(taskRefused) |
| Postamble: | ReleaseAll_2 |

MSC IN3_A_CPH_DL_BO_01



| IN3_A_CPH_DL_BO_02 | |
|---------------------------|--|
| Work item no.: | ITEM_CPH_153 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends to the SCF a DisconnectLeg ReturnError component (taskRefused), after having received from the SCF a DisconnectLeg invoke component with the CS of the legToBeReleased (controlling) being in the Terminating_Setup state. |
| Requirements refs | 6.5.1.2.3, 6.6.3.4.2.3, 6.6.3.4.2.4, 6.6.3.4.2.5, 6.6.3.4.2.7, 6.6.3.4.3., 8.2, 8.2.1.2, 8.2.2, 8.2.2.2, 11.20.1, 11.20.1.1.1, 11.20.3.1 |
| Selection Cond. | |
| Preamble: | T_TSA_null_null |
| Test description | L1!DisconnectLeg(2) |
| Pass criteria | L1?DisconnectLeg ReturnError(taskRefused) |
| Postamble: | ReleaseAll_2 |

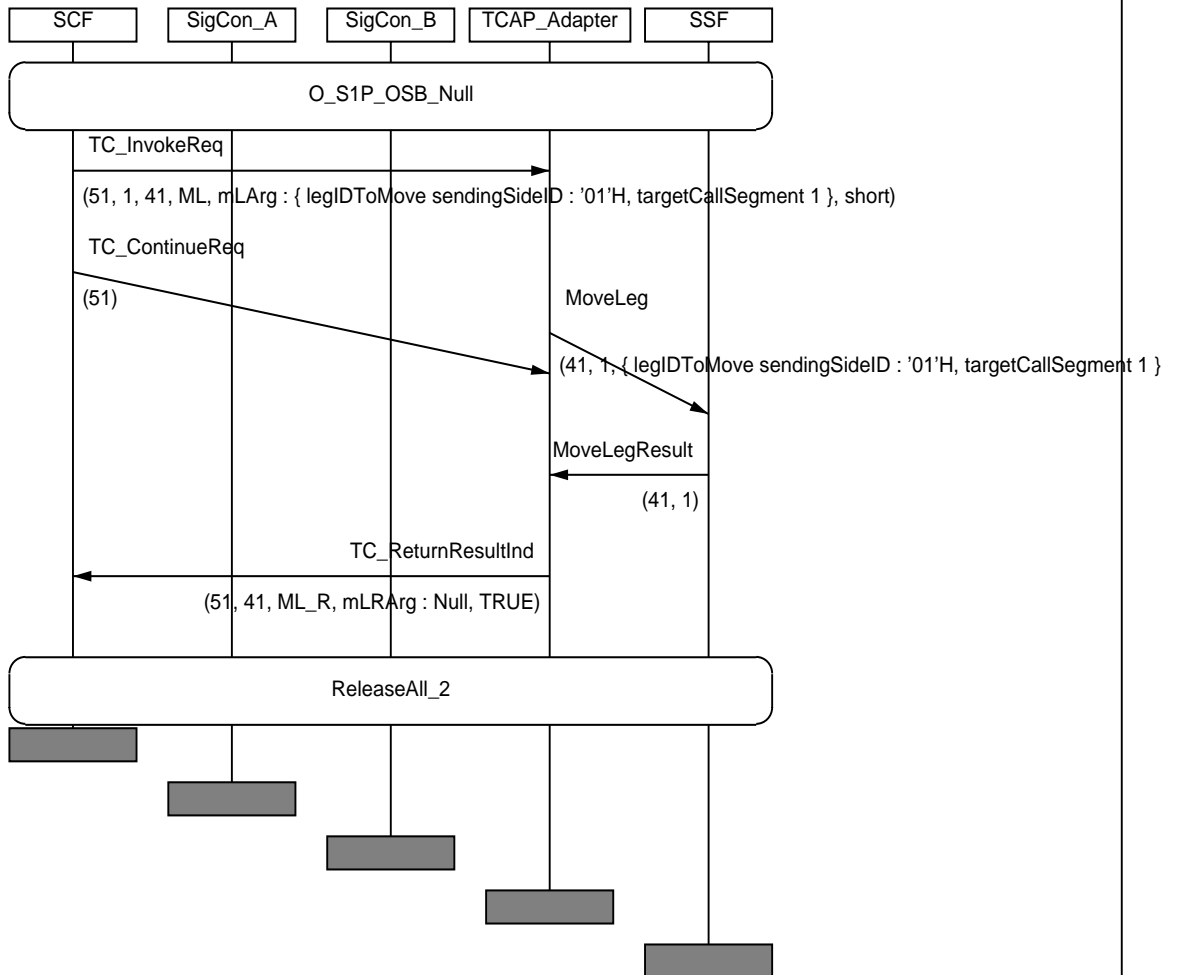
MSC IN3_A_CPH_DL_BO_02



8.7 MoveLeg (ML) procedure

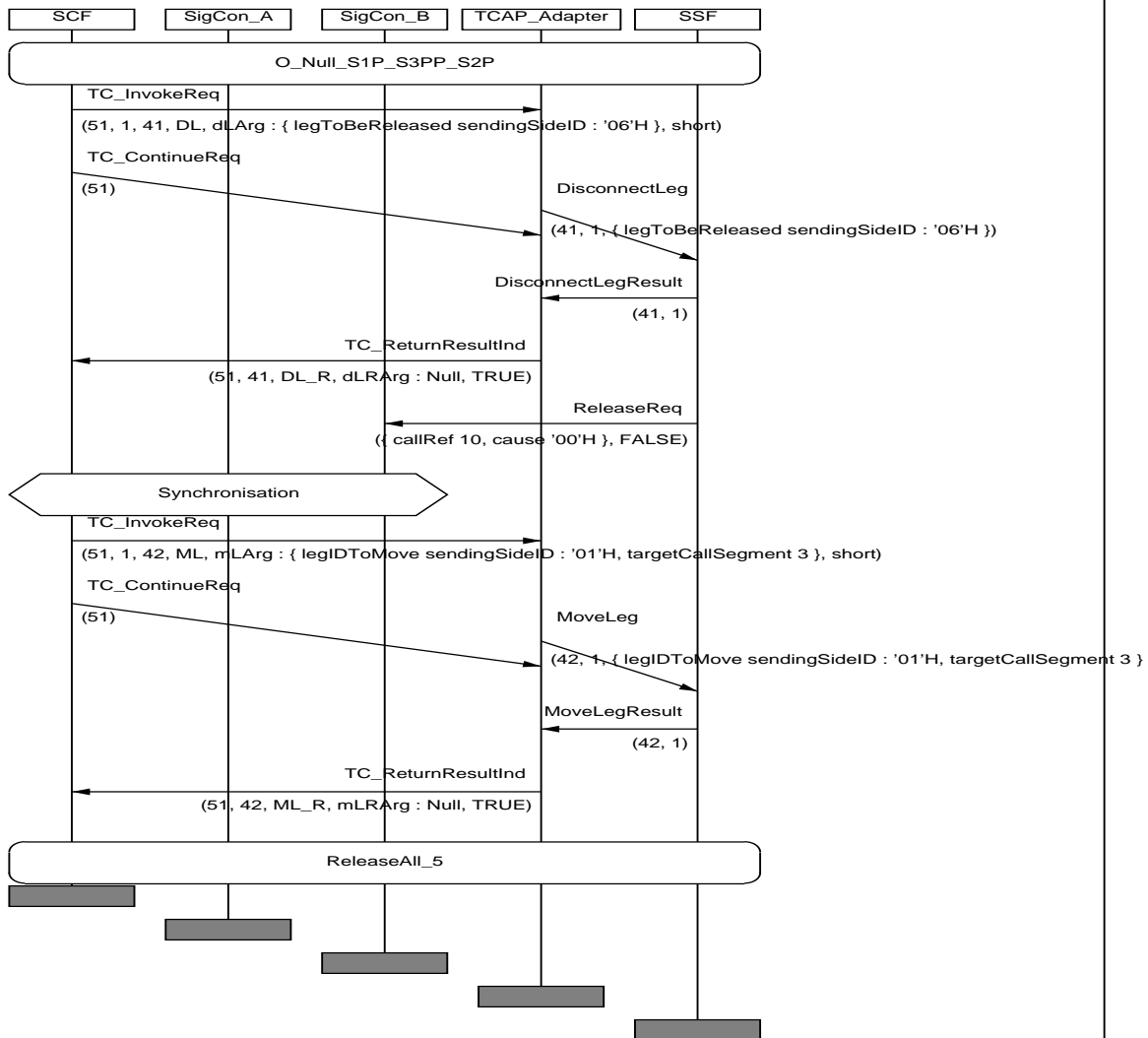
| IN3_A_CPH_ML_BV_01 | |
|---------------------------|---|
| Work item no.: | ITEM_CPH_208 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MoveLeg ReturnResult component when having received a MoveLeg invoke component with the CS of the legIDToMove (controlling) being in the Originating_Setup state (waiting for instructions in the O_Called_Party_Busy DP) and the targetCS being in the Stable_1_Party state. |
| Requirements refs | 6.6.3.4.2., 6.6.3.4.3., 8.2, 8.2.1.2, 8.2.2, 8.2.2.2, 11.31.1, 11.31.1.1.1, 11.31.3.1 (tables 28 and 29) |
| Selection Cond. | |
| Preamble: | O_S1P_OSB_null |
| Test description | L1!MoveLeg(1,1) |
| Pass criteria | L1?MoveLeg ReturnResult |
| Postamble: | ReleaseAll_2 |

MSC IN3_A_CPH_ML_BV_01



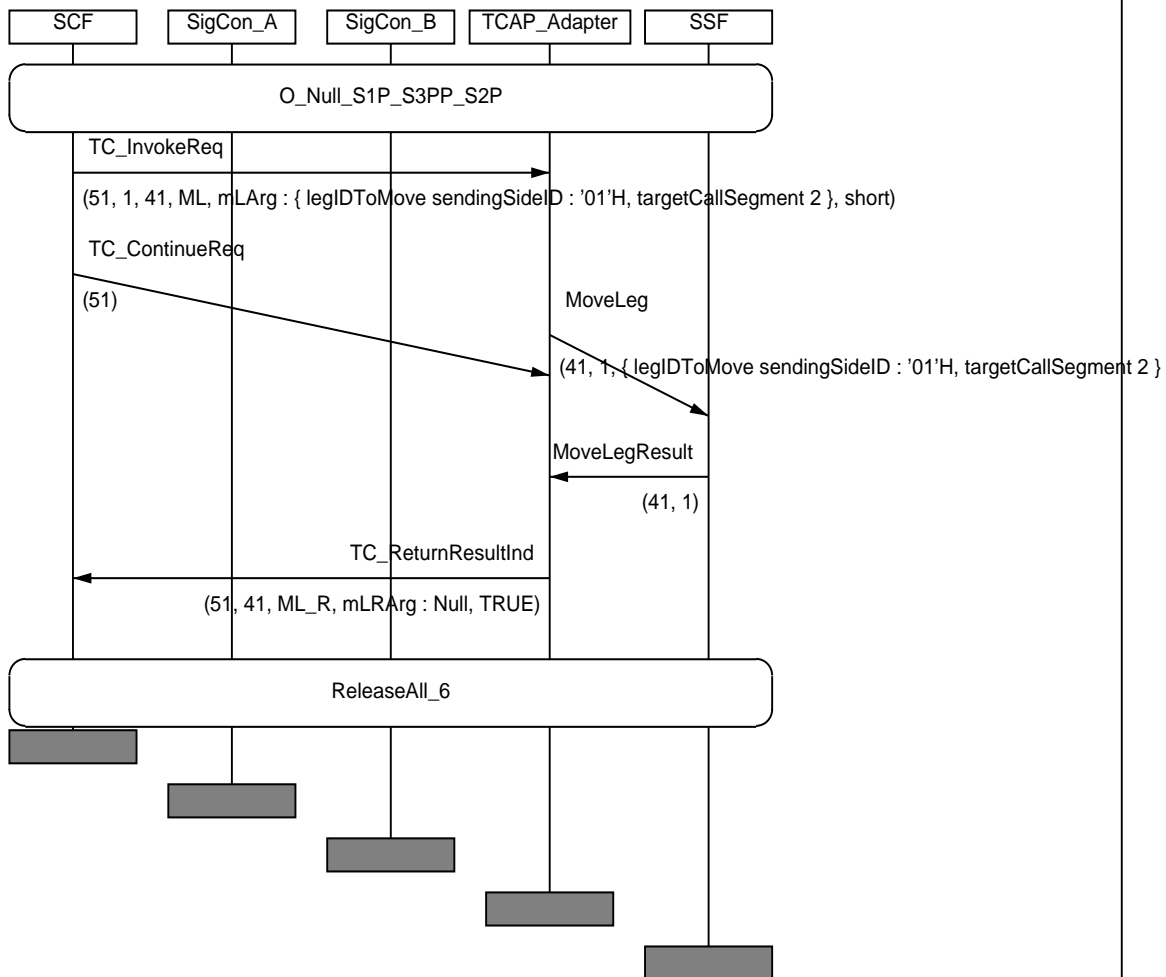
| IN3_A_CPH_ML_BV_02 | |
|---------------------------|--|
| Work item no.: | ITEM_CPH_209 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MoveLeg ReturnResult component when having received a MoveLeg invoke component with the CS of the legIDToMove (controlling) being in the 1_Party state and the targetCS being in the Stable_Multi_Passive_Party state. |
| Requirements refs | 6.6.3.4.2., 6.6.3.4.3., 8.2, 8.2.1.2, 8.2.2, 8.2.2.2, 11.31.1, 11.31.1.1.1, 11.31.3.1 (tables 28 and 29) |
| Selection Cond. | |
| Preamble: | O_null_S1P_S3PP_S2P |
| Test description | L1!DisconnectLeg(6) L1?DisconnectLeg ReturnResult L1!MoveLeg(1,3) |
| Pass criteria | L1?MoveLeg ReturnResult |
| Postamble: | ReleaseAll_5 |

MSC IN3_A_CPH_ML_BV_02



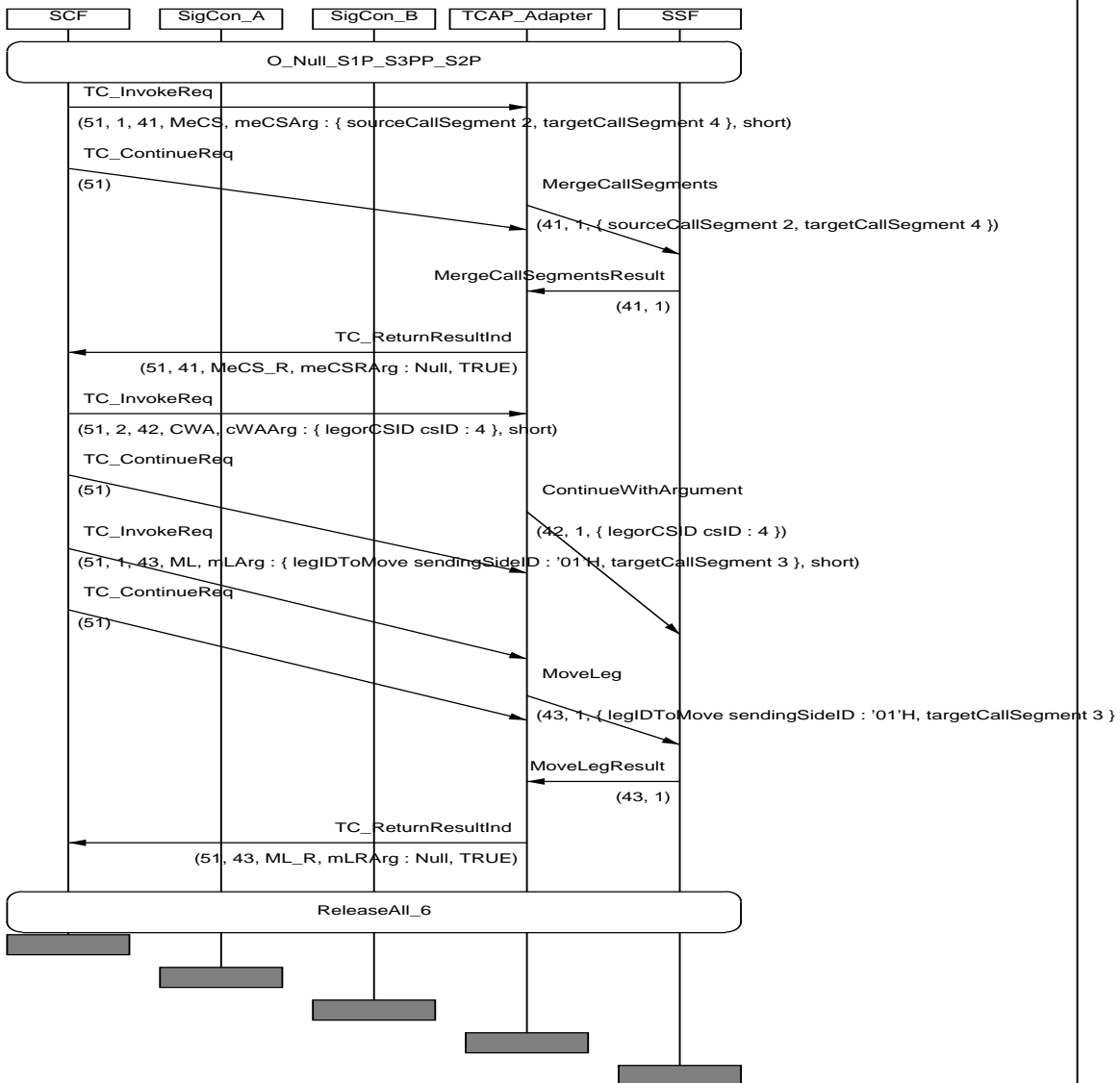
| IN3_A_CPH_ML_BV_03 | |
|---------------------------|---|
| Work item no.: | ITEM_CPH_210 |
| IN2 Ref(tmp) | IN2_A_CPH_ML_BV_01 |
| Purpose: | Verify that the SSF sends a MoveLeg ReturnResult component when having received a MoveLeg invoke component with the CS of the legIDToMove (controlling) being in the Stable_2_Party state and the targetCS being in the Stable_1_Party state. |
| Requirements refs | 6.6.3.4.2., 6.6.3.4.3., 8.2, 8.2.1.2, 8.2.2, 8.2.2.2, 11.31.1, 11.31.1.1.1, 11.31.3.1 (tables 28 and 29) |
| Selection Cond. | |
| Preamble: | O_null_S1P_S3PP_S2P |
| Test description | L1!MoveLeg(1,2) |
| Pass criteria | L1?MoveLeg ReturnResult |
| Postamble: | ReleaseAll_6 |

MSC IN3_A_CPH_ML_BV_03



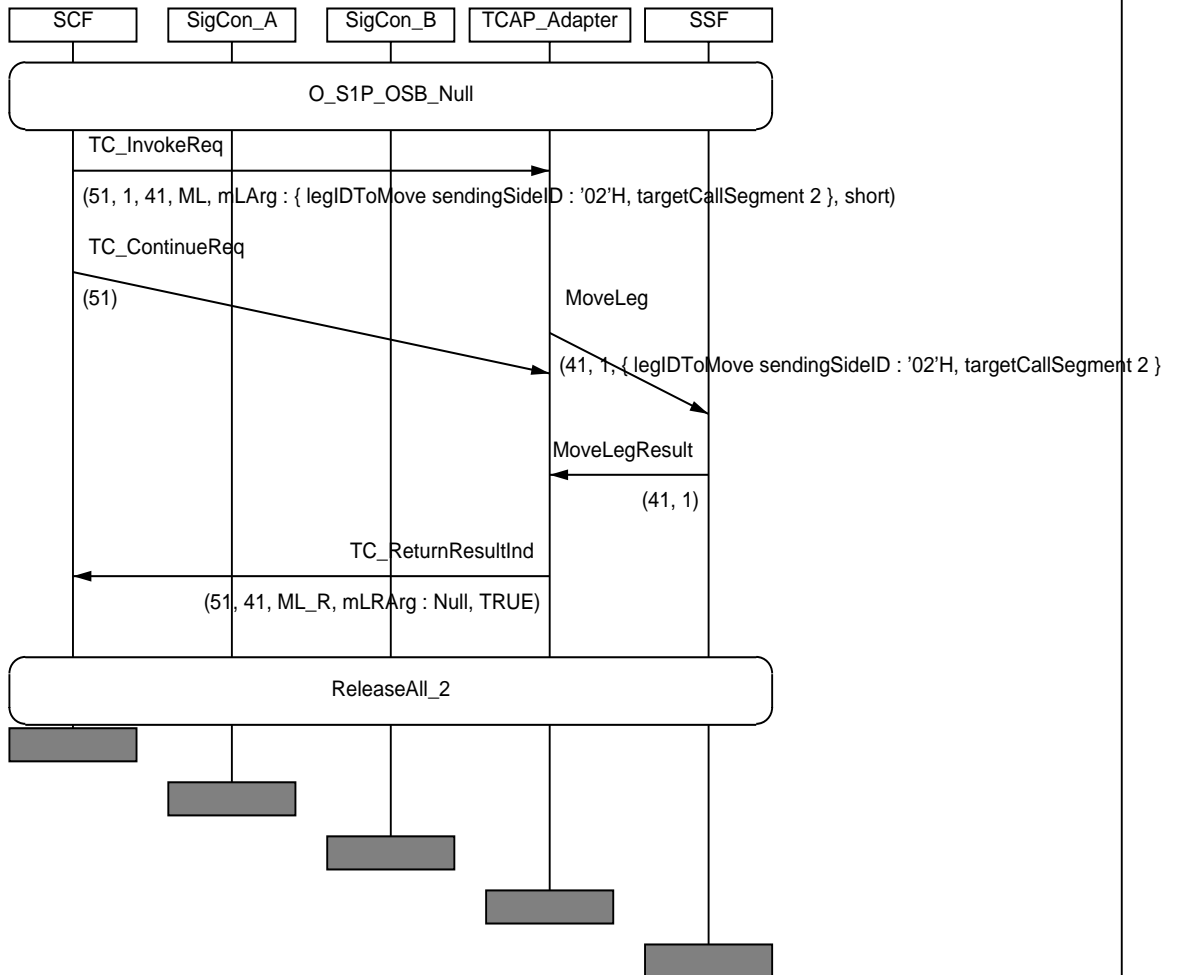
| IN3_A_CPH_ML_BV_04 | |
|---------------------------|---|
| Work item no.: | ITEM_CPH_211 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MoveLeg ReturnResult component when having received a MoveLeg invoke component with the CS of the legIDToMove (controlling) being in the Stable_Multi_Party state and the targetCS being in the Stable_Multi_Passive_Party state. |
| Requirements refs | 6.6.3.4.2., 6.6.3.4.3., 8.2, 8.2.1.2, 8.2.2, 8.2.2.2, 11.31.1, 11.31.1.1.1, 11.31.3.1 (tables 28 and 29) |
| Selection Cond. | |
| Preamble: | O_null_S1P_S3PP_S2P |
| Test description | L1!MergeCallSegments(2,4) L1?MergeCallSegments ReturnResult L1!ContinueWithArgument(csID=4) L1!MoveLeg(1,3) |
| Pass criteria | L1?MoveLeg ReturnResult |
| Postamble: | ReleaseAll_6 |

MSC IN3_A_CPH_ML_BV_04



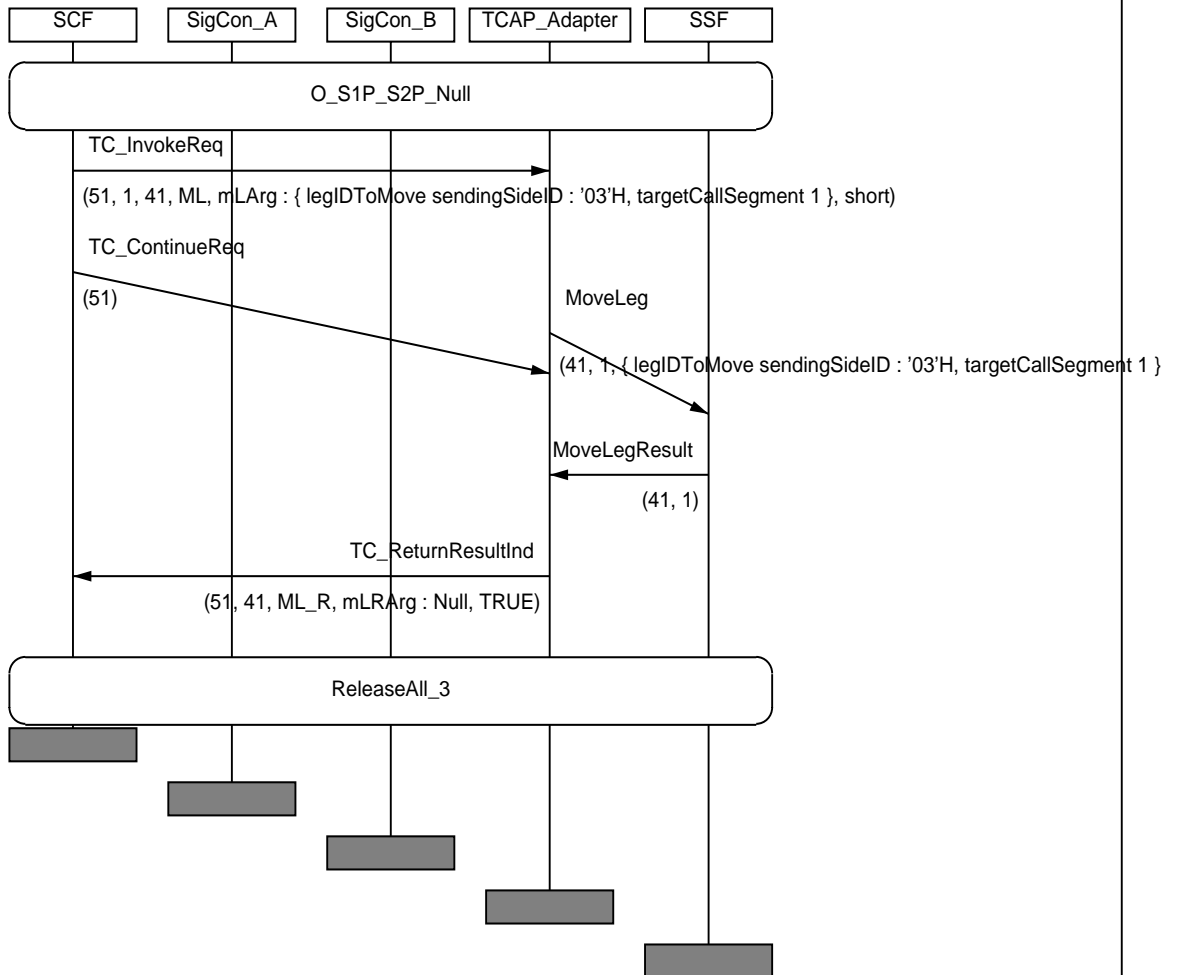
| IN3_A_CPH_ML_BV_05 | |
|---------------------------|---|
| Work item no.: | ITEM_CPH_212 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MoveLeg ReturnResult component when having received a MoveLeg invoke component with the CS of the legIDToMove (passive) being in the Stable_1_Party state and the targetCS being in the Originating_Setup state (waiting for instructions in the O_Called_Party_Busy DP). |
| Requirements refs | 6.6.3.4.2., 6.6.3.4.3., 8.2, 8.2.1.2, 8.2.2, 8.2.2.2, 11.31.1, 11.31.1.1.1, 11.31.3.1 (tables 28 and 29) |
| Selection Cond. | |
| Preamble: | O_S1P_OSB_null |
| Test description | L1!MoveLeg(2,2) |
| Pass criteria | L1?MoveLeg ReturnResult |
| Postamble: | ReleaseAll_2 |

MSC IN3_A_CPH_ML_BV_05



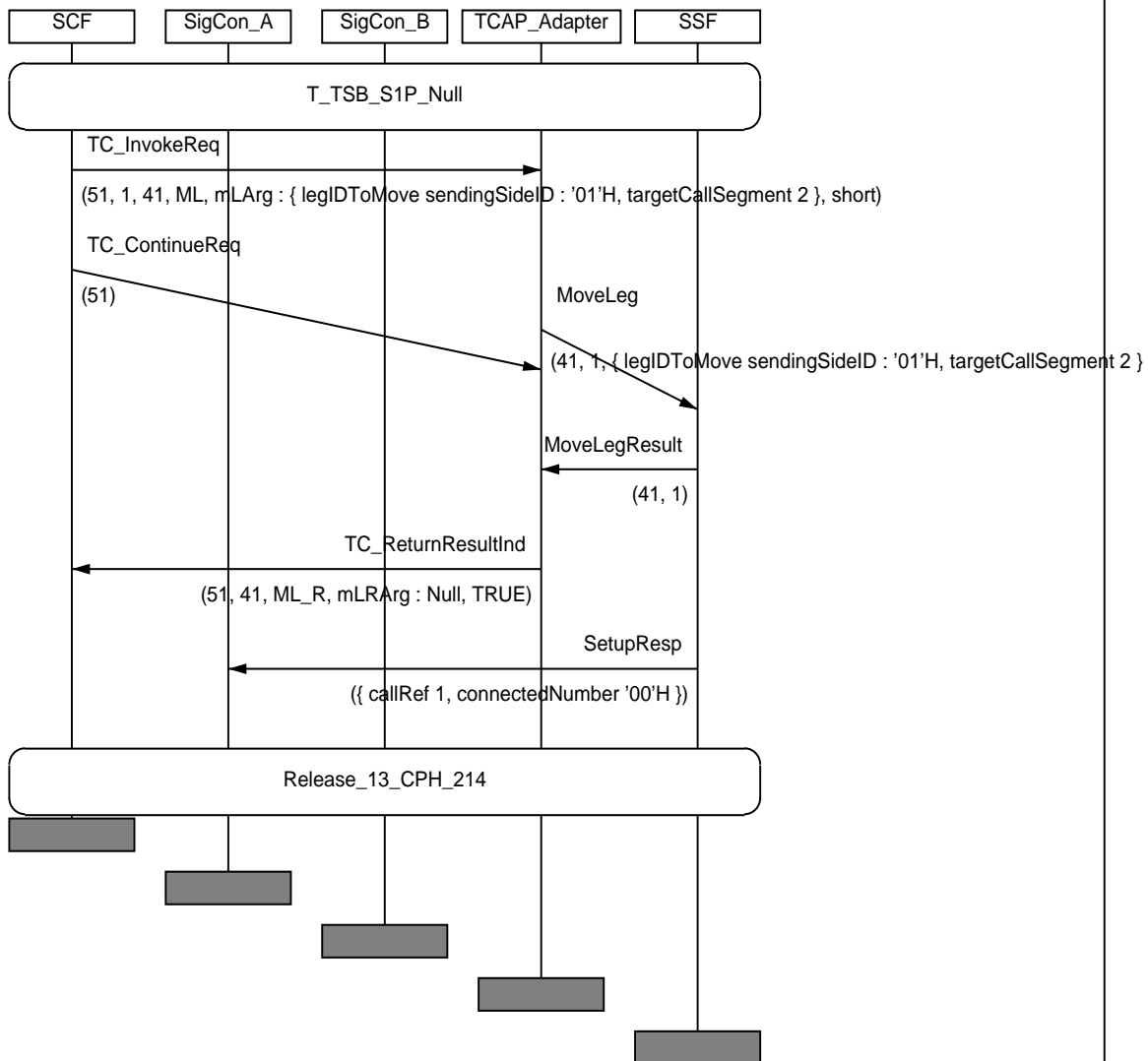
| IN3_A_CPH_ML_BV_06 | |
|---------------------------|---|
| Work item no.: | ITEM_CPH_213 |
| IN2 Ref(tmp) | IN2_A_CPH_ML_BV_02 |
| Purpose: | Verify that the SSF sends a MoveLeg ReturnResult component when having received a MoveLeg invoke component with the CS of the legIDToMove (passive) being in the Stable_2_Party state and the targetCS being in the Stable_1_Party state. |
| Requirements refs | 6.6.3.4.2., 6.6.3.4.3., 8.2, 8.2.1.2, 8.2.2, 8.2.2.2, 11.31.1, 11.31.1.1.1, 11.31.3.1 (tables 28 and 29) |
| Selection Cond. | |
| Preamble: | O_S1P_S2P_null |
| Test description | L1!MoveLeg(3,1) |
| Pass criteria | L1?MoveLeg ReturnResult |
| Postamble: | ReleaseAll_3 |

MSC IN3_A_CPH_ML_BV_06



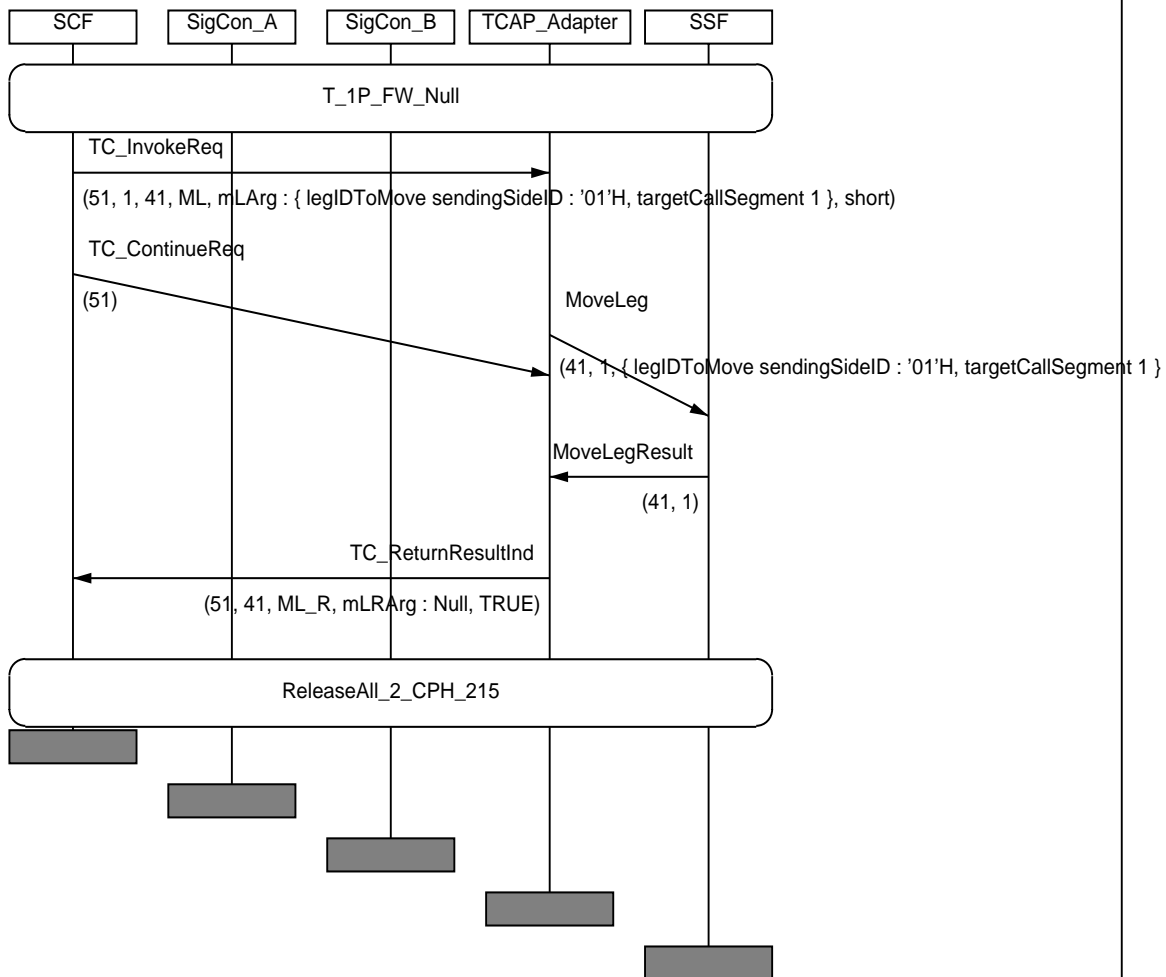
| IN3_A_CPH_ML_BV_07 | |
|---------------------------|--|
| Work item no.: | ITEM_CPH_214 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MoveLeg ReturnResult component when having received a MoveLeg invoke component with the CS of the legIDToMove (passive) being in the Terminating_Setup state (waiting for instructions in the T_Busy DP) and the targetCS being in the Stable_1_Party state. |
| Requirements refs | 6.6.3.4.2., 6.6.3.4.3., 8.2, 8.2.1.2, 8.2.2, 8.2.2.2, 11.31.1, 11.31.1.1.1, 11.31.3.1 (tables 28 and 29) |
| Selection Cond. | |
| Preamble: | T_TSB_S1P_null |
| Test description | L1!MoveLeg(1,2) |
| Pass criteria | L1?MoveLeg ReturnResult CP1_1?SetUpConf |
| Postamble: | Release_13 |

MSC IN3_A_CPH_ML_BV_07



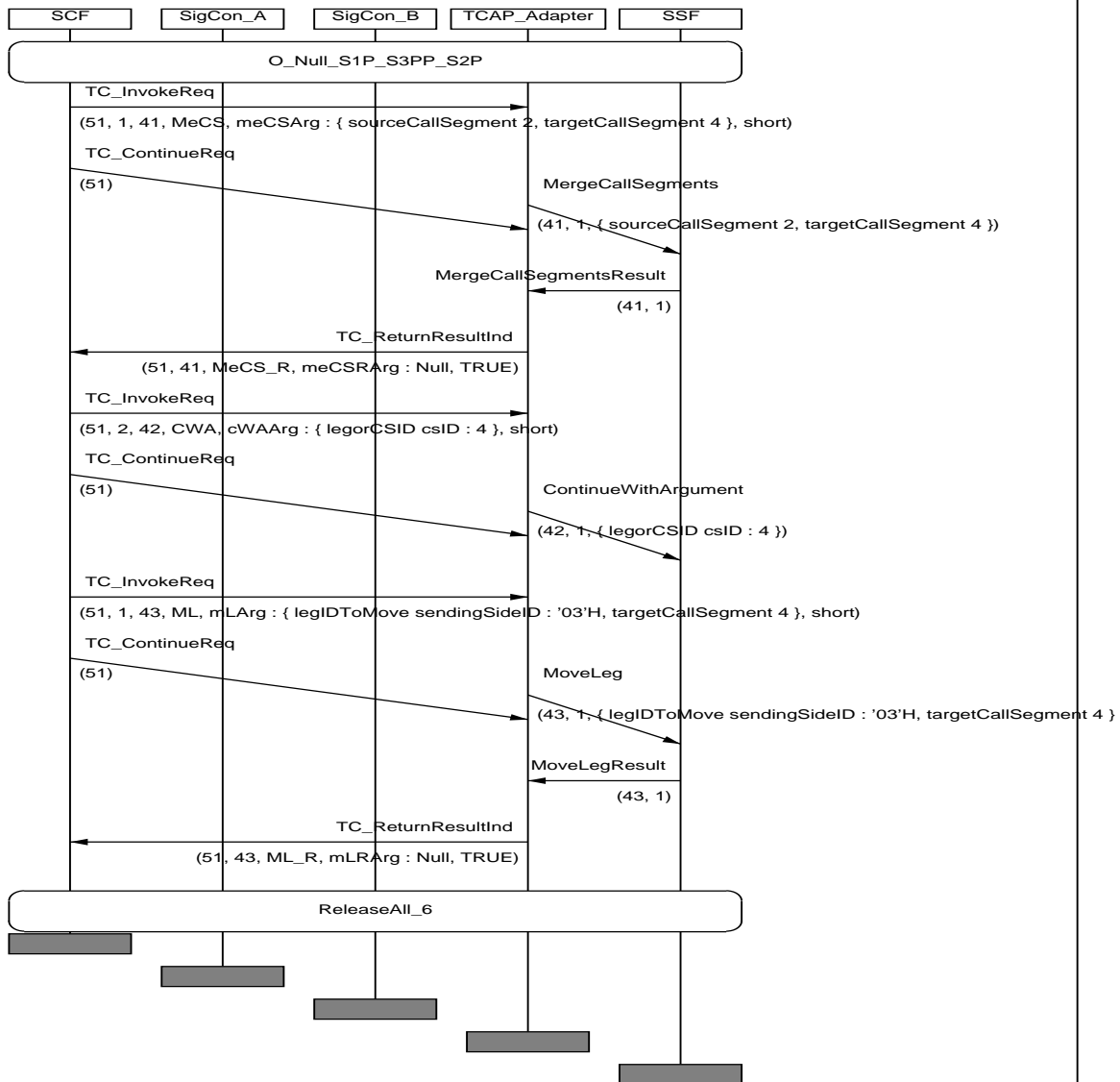
| IN3_A_CPH_ML_BV_08 | |
|---------------------------|---|
| Work item no.: | ITEM_CPH_215 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MoveLeg ReturnResult component when having received a MoveLeg invoke component with the CS of the legIDToMove (passive,joined) being in the Forward state (waiting for instructions in the O_Called_Party_Busy DP for the pending passive leg) and the targetCS being in the 1_Party state. |
| Requirements refs | 6.6.3.4.2., 6.6.3.4.3., 8.2, 8.2.1.2, 8.2.2, 8.2.2.2, 11.31.1, 11.31.1.1.1, 11.31.3.1 (tables 28 and 29) |
| Selection Cond. | |
| Preamble: | T_1P_FW_null |
| Test description | L1!MoveLeg(1,1) |
| Pass criteria | L1?MoveLeg ReturnResult |
| Postamble: | ReleaseAll_2 |

MSC IN3_A_CPH_ML_BV_08



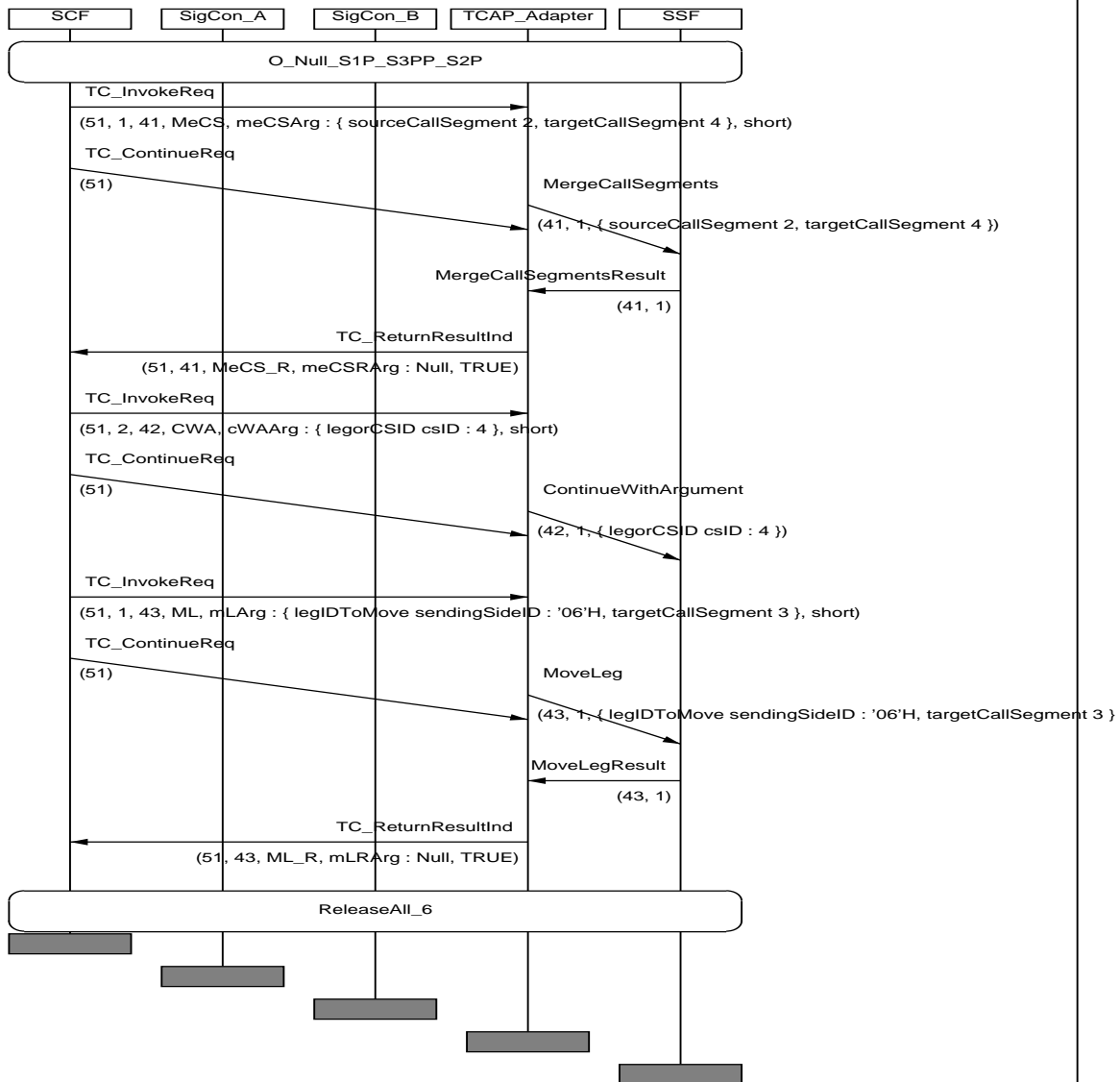
| IN3_A_CPH_ML_BV_09 | |
|---------------------------|---|
| Work item no.: | ITEM_CPH_216 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MoveLeg ReturnResult component when having received a MoveLeg invoke component with the CS of the legIDToMove (passive) being in the Stable_Multi_Passive_Party state and the targetCS being in the Stable_Multi_Party state. |
| Requirements refs | 6.6.3.4.2., 6.6.3.4.3., 8.2, 8.2.1.2, 8.2.2, 8.2.2.2, 11.31.1, 11.31.1.1.1, 11.31.3.1 (tables 28 and 29) |
| Selection Cond. | |
| Preamble: | O_null_S1P_S3PP_S2P |
| Test description | L1!MergeCallSegments(2,4) L1?MergeCallSegments ReturnResult L1!MoveLeg(3,4) |
| Pass criteria | L1?MoveLeg ReturnResult |
| Postamble: | ReleaseAll_6 |

MSC IN3_A_CPH_ML_BV_09



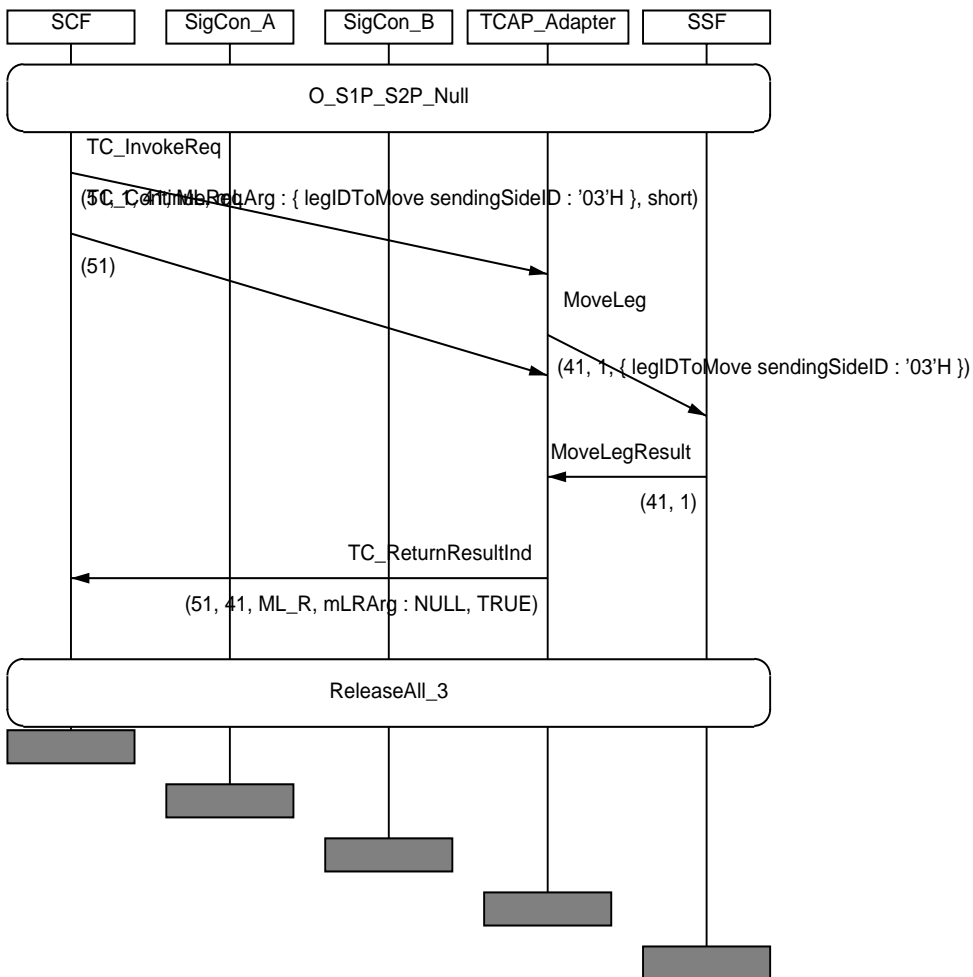
| IN3_A_CPH_ML_BV_10 | |
|---------------------------|---|
| Work item no.: | ITEM_CPH_217 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MoveLeg ReturnResult component when having received a MoveLeg invoke component with the CS of the legIDToMove (passive) being in the Stable_Multi_Party state and the targetCS being in the Stable_Multi_Passive_Party state. |
| Requirements refs | 6.6.3.4.2., 6.6.3.4.3., 8.2, 8.2.1.2, 8.2.2, 8.2.2.2, 11.31.1, 11.31.1.1.1, 11.31.3.1 (tables 28 and 29) |
| Selection Cond. | |
| Preamble: | O_null_S1P_S3PP_S2P |
| Test description | L1!MergeCallSegments(2,4) L1?MergeCallSegments ReturnResult L1!MoveLeg(6,3) |
| Pass criteria | L1?MoveLeg ReturnResult |
| Postamble: | ReleaseAll_6 |

MSC IN3_A_CPH_ML_BV_10

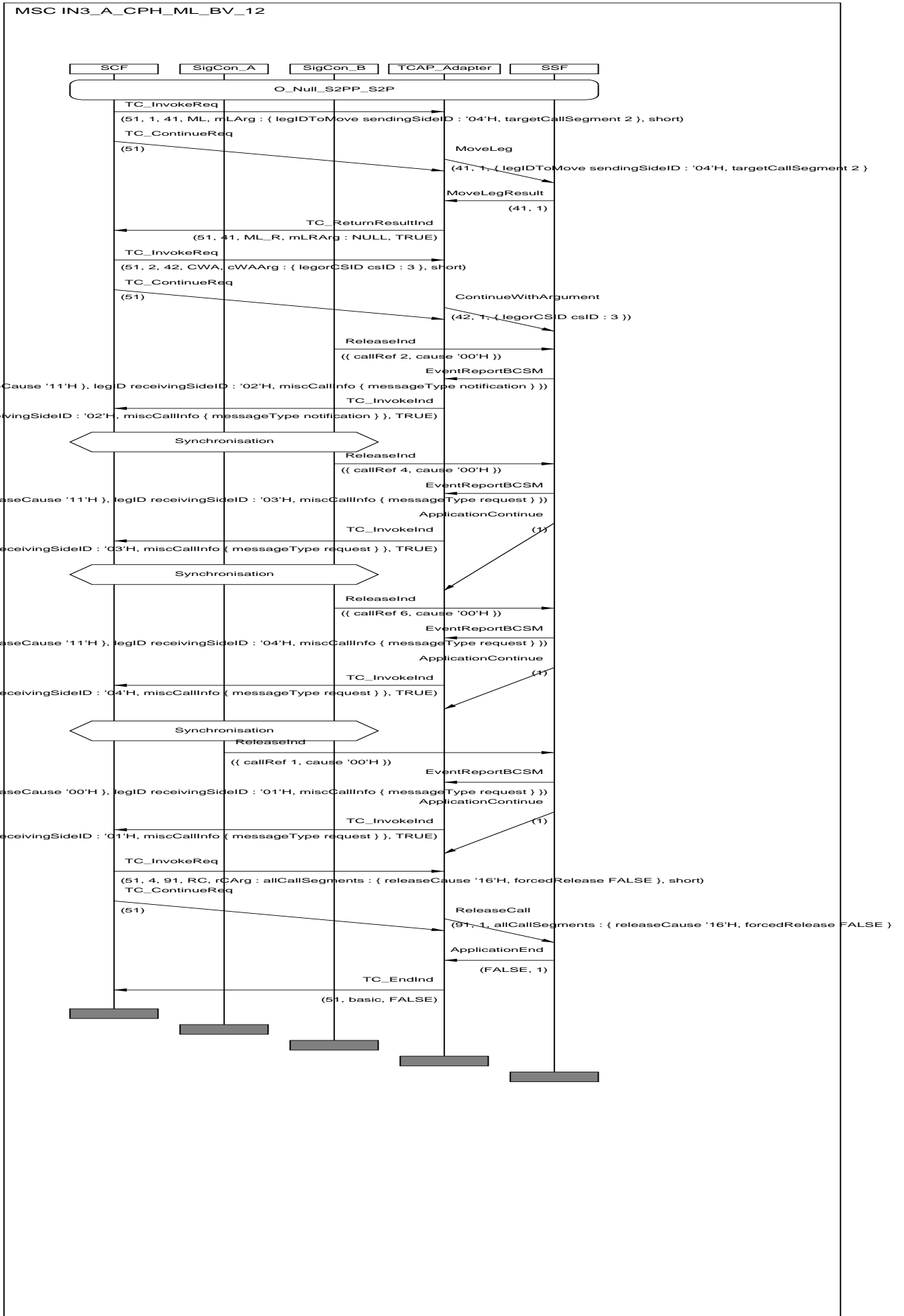


| IN3_A_CPH_ML_BV_11 | |
|---------------------------|---|
| Work item no.: | ITEM_CPH_218 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble O_S1P_S2P_null, sends a MoveLeg ReturnResult component when having received a MoveLeg invoke component with legIDToMove=3 (in CS2/Stable_2_Party state) and the targetCS parameter being not contained in the component (default "InitialCS" applies). |
| Requirements refs | 6.6.3.4.2., 6.6.3.4.3., 8.2, 8.2.1.2, 8.2.2, 8.2.2.2, 11.31.1, 11.31.1.1.1, 11.31.3.1 (tables 28 and 29) |
| Selection Cond. | |
| Preamble: | O_S1P_S2P_null |
| Test description | L1!MoveLeg(3,) (the targetCS parameter is not contained in the component) |
| Pass criteria | L1?MoveLeg ReturnResult |
| Postamble: | ReleaseAll_3 |

MSC IN3_A_CPH_ML_BV_11



| IN3_A_CPH_ML_BV_12 | |
|---------------------------|---|
| Work item no.: | ITEM_CPH_219 |
| IN2 Ref(tmp) | IN2_A_CPH_ML_BV_03 |
| Purpose: | Verify that the SSF keeps the event detection points armed on all legs after performing the MoveLeg operation. |
| Requirements refs | 6.6.3.4.2., 6.6.3.4.3., 8.2, 8.2.1.2, 8.2.2, 8.2.2.2, 11.31.1, 11.31.1.1.1, 11.31.3.1 (tables 28 and 29) |
| Selection Cond. | |
| Preamble: | O_null_S2PP_S2P |
| Test description | L1!MoveLeg(4,2) L1?MoveLeg ReturnResult L1!ContinueWithArgument (csID = 3) CP1_2!ReleaseInd(Normal clearing) L1?EventReportBCSM(2,oDisconnect) CP1_3!ReleaseInd(Normal clearing) L1?EventReportBCSM(3,oDisconnect) CP1_4!ReleaseInd(Normal clearing) L1?EventReportBCSM(4,oDisconnect) CP1_1!ReleaseInd(Normal clearing) L1?EventReportBCSM(1,oDisconnect) L1!ReleaseCall(allCallSegments) |
| Pass criteria | 4 ERBs received (the event reports have been requested in the preamble) |
| Postamble: | None |

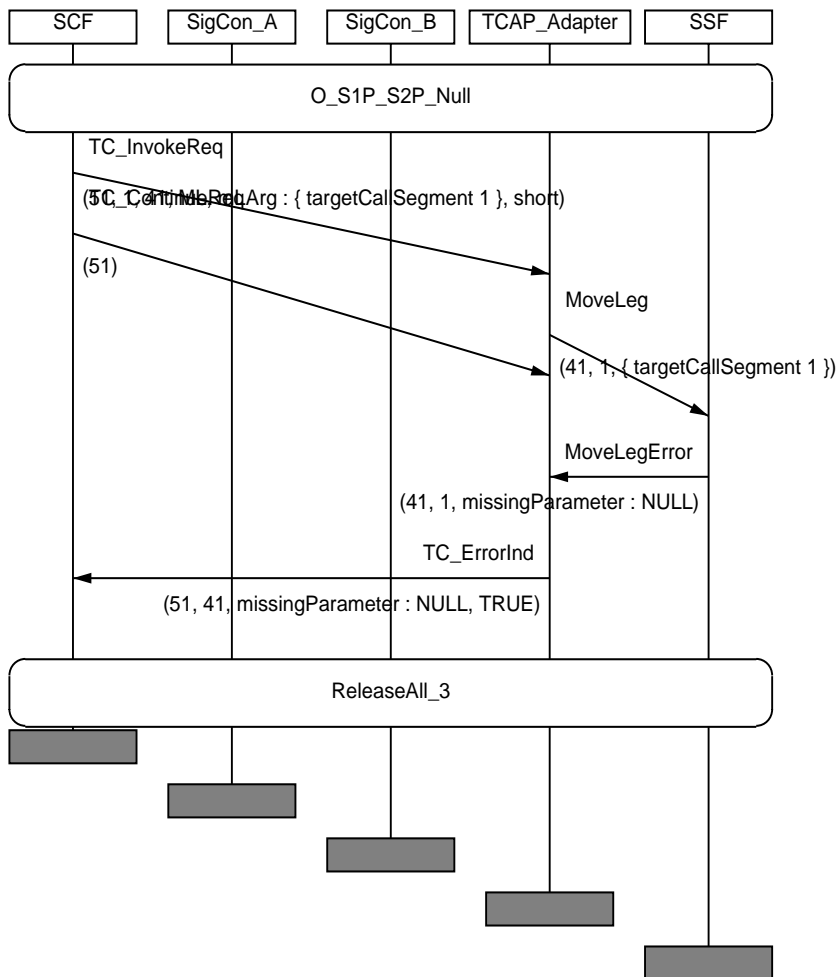


| IN3_A_CPH_ML_BV_13 | |
|---------------------------|--|
| Work item no.: | ITEM_CPH_220 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF keeps all outstanding CallInformationReports requested after performing the MoveLeg operation. |
| Requirements refs | 6.6.3.4.2., 6.6.3.4.3., 8.2, 8.2.1.2, 8.2.2, 8.2.2.2, 11.31.1, 11.31.1.1.1, 11.31.3.1 (tables 28 and 29) |
| Selection Cond. | |
| Preamble: | O_null_S2PP_S2P |
| Test description | L1!MoveLeg(4,2) L1?MoveLeg ReturnResult L1!CallInformationRequest(1) L1!CallInformationRequest(2) L1!CallInformationRequest(3) L1!CallInformationRequest(4) L1!ContinueWithArgument(csID=2) L1!ContinueWithArgument(csID=3) CP1_2!ReleaseInd(Normal clearing) L1?EventReportBCSM(2,oDisconnect) L1?CallInformationReport(2) CP1_3!ReleaseInd(Normal clearing) L1?CallInformationReport(3) L1?EventReportBCSM(3,oDisconnect) CP1_4!ReleaseInd(Normal clearing) L1?CallInformationReport(4) L1?EventReportBCSM(4,oDisconnect) CP1_1!ReleaseInd(Normal clearing) L1?CallInformationReport(1) L1?EventReportBCSM(1,oDisconnect) L1!ContinueWithArgument(legID=1) L1!ContinueWithArgument(legID=4) L1!ContinueWithArgument(legID=3) |
| Pass criteria | The 4 pairs of ERB and CIRP received The pairs ERB and CIRP must appear in the indicated order. |
| Postamble: | None |

| IN3_A_CPH_ML_BV_14 | |
|---------------------------|--|
| Work item no.: | ITEM_CPH_221 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF keeps all outstanding ApplyCharging Reports requested after performing the MoveLeg operation. |
| Requirements refs | 6.6.3.4.2., 6.6.3.4.3., 8.2, 8.2.1.2, 8.2.2, 8.2.2.2, 11.31.1, 11.31.1.1.1, 11.31.3.1 (tables 28 and 29) |
| Selection Cond. | |
| Preamble: | O_null_S2PP_S2P |
| Test description | L1!MoveLeg(4,2) L1?MoveLeg ReturnResult L1!ApplyChargingRequest(1) L1!ApplyChargingRequest(2) L1!ApplyChargingRequest(3) L1!ApplyChargingRequest(4) L1!ContinueWithArgument(csID=2) L1!ContinueWithArgument(csID=3) CP1_2!ReleaseInd(Normal clearing) L1?EventReportBCSM(2,oDisconnect) L1?ApplyChargingReport(2) CP1_3!ReleaseInd(Normal clearing) L1?ApplyChargingReport(3) L1?EventReportBCSM(3,oDisconnect) CP1_4!ReleaseInd(Normal clearing) L1?ApplyChargingReport(4) L1?EventReportBCSM(4,oDisconnect) CP1_1!ReleaseInd(Normal clearing) L1?ApplyChargingReport(1) L1?EventReportBCSM(1,oDisconnect) L1!ContinueWithArgument(legID=1) L1!ContinueWithArgument(legID=4) L1!ContinueWithArgument(legID=3) |
| Pass criteria | The 4 ApplyCharging Reports received (the corresponding pairs of ERBs and ApplyCharging Reports must appear in the indicated order) |
| Postamble: | None |

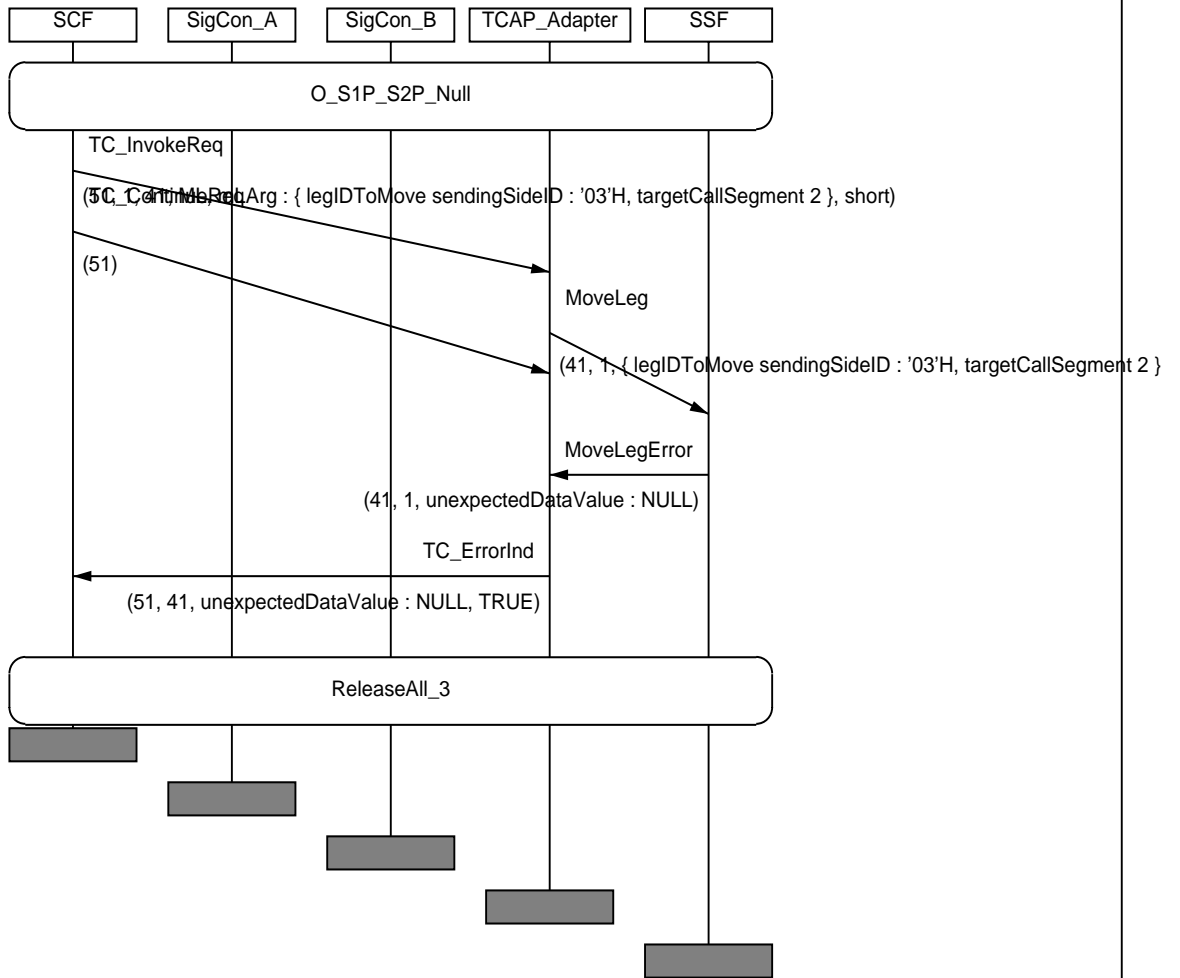
| IN3_A_CPH_ML_BI_01 | |
|---------------------------|--|
| Work item no.: | ITEM_CPH_229 |
| IN2 Ref(tmp) | IN2_A_CPH_ML_BI_01 |
| Purpose: | Verify that the SSF sends a MoveLeg ReturnError component (missingParameter) when having received a MoveLeg invoke component and the legIDToMove parameter is not contained in the invoke component. |
| Requirements refs | 11.31.1, 11.31.1.1.1, 11.31.3.2, 13.1.12.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | O_S1P_S2P_null |
| Test description | L1!MoveLeg(.1) (The legIDToMove parameter is not contained in the invoke component) |
| Pass criteria | L1?MoveLeg ReturnError(missingParameter) |
| Postamble: | ReleaseAll_3 |

MSC IN3_A_CPH_ML_BI_01



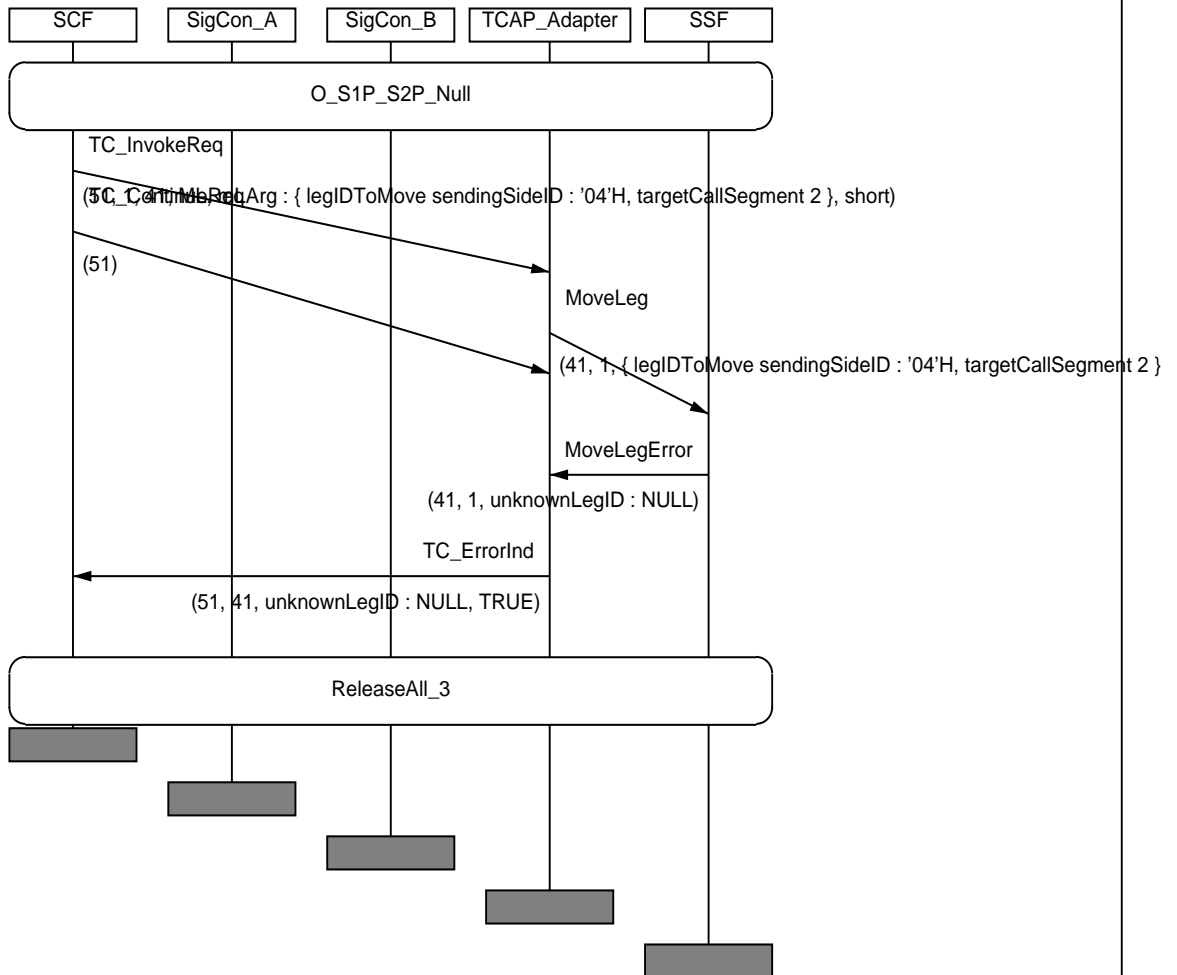
| IN3_A_CPH_ML_BI_02 | |
|---------------------------|--|
| Work item no.: | ITEM_CPH_230 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MoveLeg ReturnError component (unexpectedDataValue) when having received a MoveLeg invoke component and the legIDToMove parameter defines a leg being contained in the CS indicated by the targetCS parameter. |
| Requirements refs | 11.31.1, 11.31.1.1.1, 11.31.3.2, 13.1.12.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | O_S1P_S2P_null |
| Test description | L1!MoveLeg(3,2) |
| Pass criteria | L1?MoveLeg ReturnError(unexpectedDataValue) |
| Postamble: | ReleaseAll_3 |

MSC IN3_A_CPH_ML_BI_02



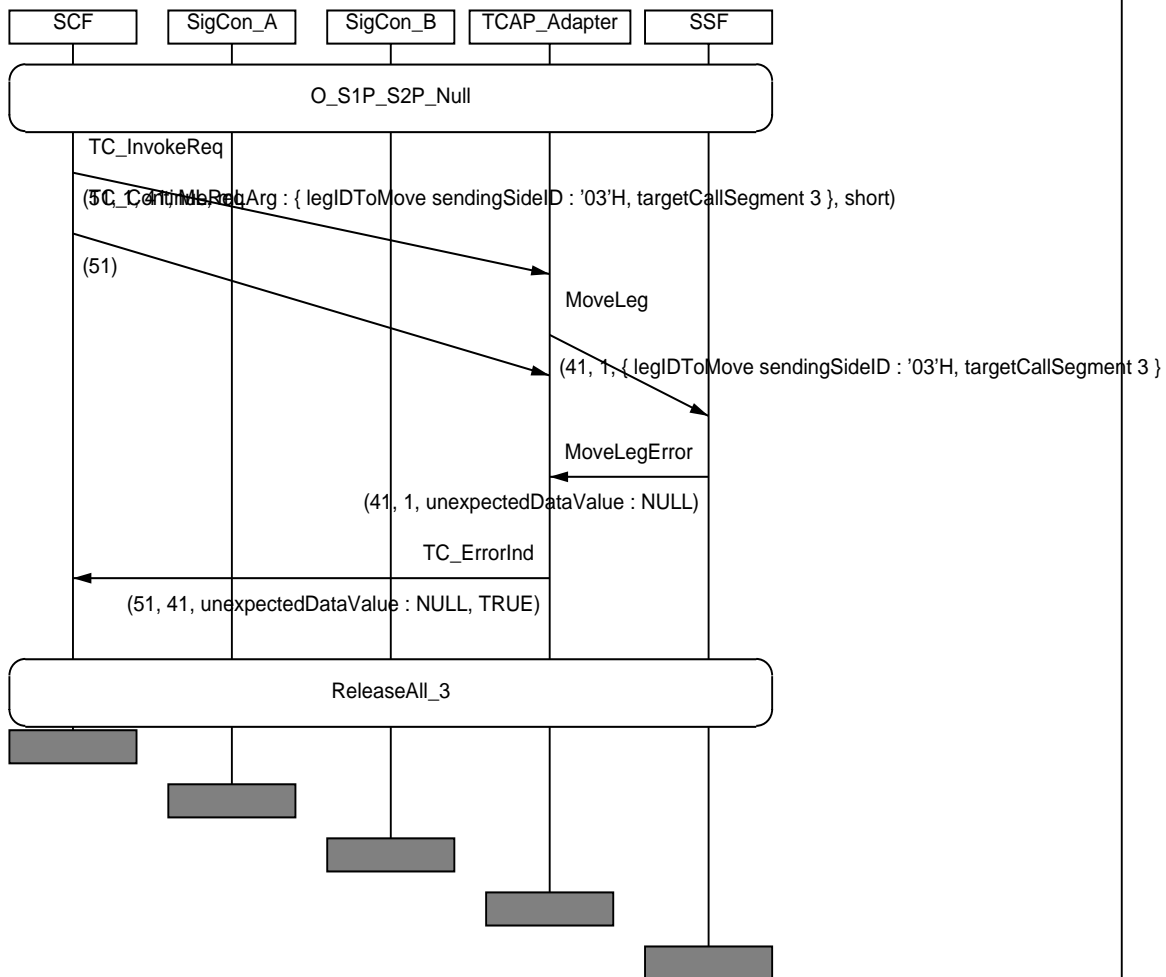
| IN3_A_CPH_ML_BI_03 | |
|---------------------------|--|
| Work item no.: | ITEM_CPH_231 |
| IN2 Ref(tmp) | IN2_A_CPH_ML_BI_01 |
| Purpose: | Verify that the SSF sends a MoveLeg ReturnError component (unknownLegID) when having received a MoveLeg invoke component and the legIDToMove parameter has a value not belonging to an existing leg. |
| Requirements refs | 11.31.1, 11.31.1.1.1, 11.31.3.2, 13.1.12.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | O_S1P_S2P_null |
| Test description | L1!MoveLeg(4,2) |
| Pass criteria | L1?MoveLeg ReturnError(unknownLegID) |
| Postamble: | ReleaseAll_3 |

MSC IN3_A_CPH_ML_BI_03



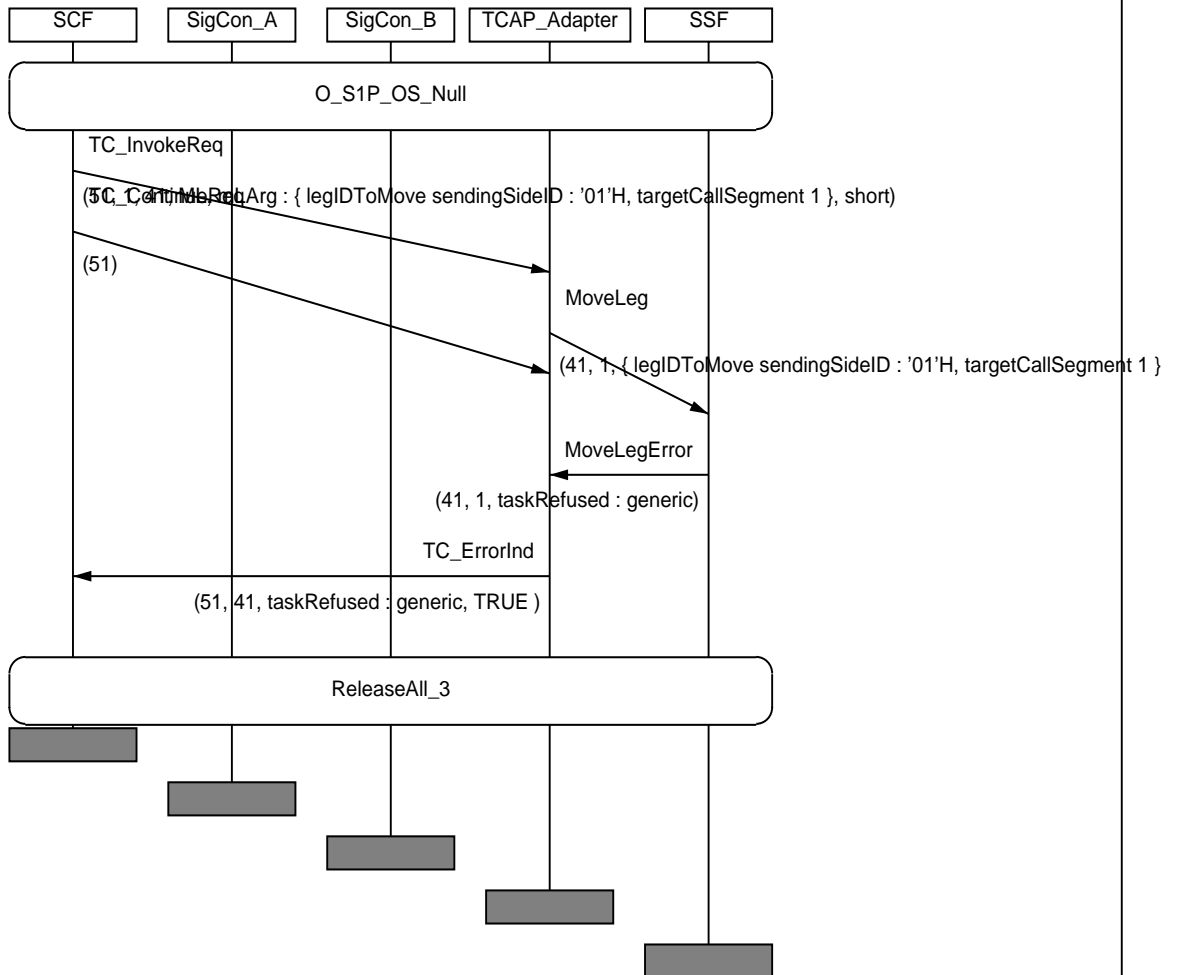
| | IN3_A_CPH_ML_BI_04 |
|--------------------------|---|
| Work item no.: | ITEM_CPH_232 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MoveLeg ReturnError component (unexpectedDataValue) when having received a MoveLeg invoke component and the targetCS parameter has a value not belonging to an existing CS. |
| Requirements refs | 11.31.1, 11.31.1.1.1, 11.31.3.2, 13.1.12.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | O_S1P_S2P_null |
| Test description | L1!MoveLeg(3,3) |
| Pass criteria | L1?MoveLeg ReturnError(unexpectedDataValue) |
| Postamble: | ReleaseAll_3 |

MSC IN3_A_CPH_ML_BI_04



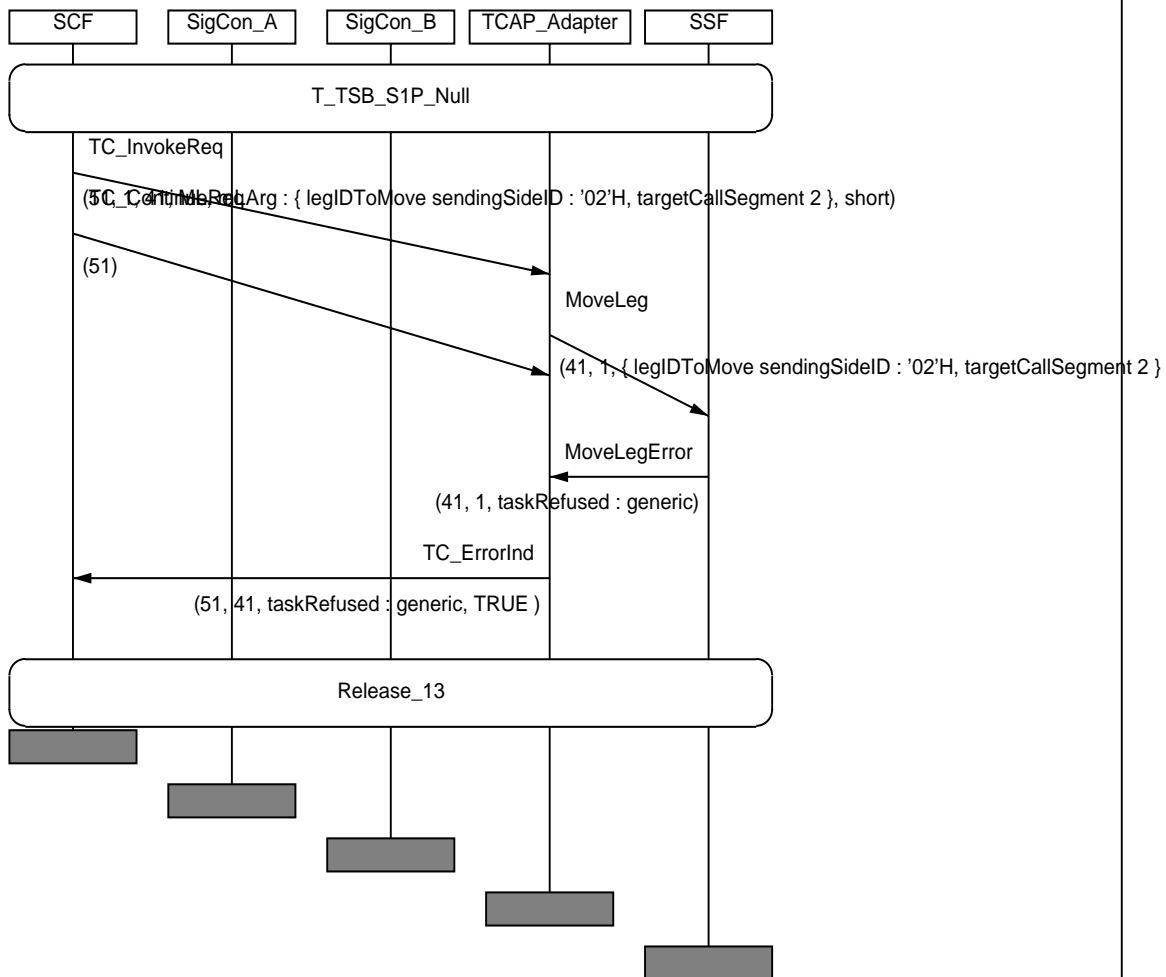
| IN3_A_CPH_ML_BO_01 | |
|---------------------------|--|
| Work item no.: | ITEM_CPH_222 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MoveLeg ReturnError component (taskRefused) when having received a MoveLeg invoke component with the CS of the legIDToMove (controlling) being in the Originating_Setup state, without call processing being suspended at one of the state-compatible DPs (invalid), and the targetCS being in the Stable_1_Party state. |
| Requirements refs | 11.31.1, 11.31.1.1.1, 11.31.3.2, 13.1.12.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | O_S1P_OS_null |
| Test description | L1!MoveLeg(1,1) |
| Pass criteria | L1?MoveLeg ReturnError(taskRefused) |
| Postamble: | ReleaseAll_3 |

MSC IN3_A_CPH_ML_BO_01



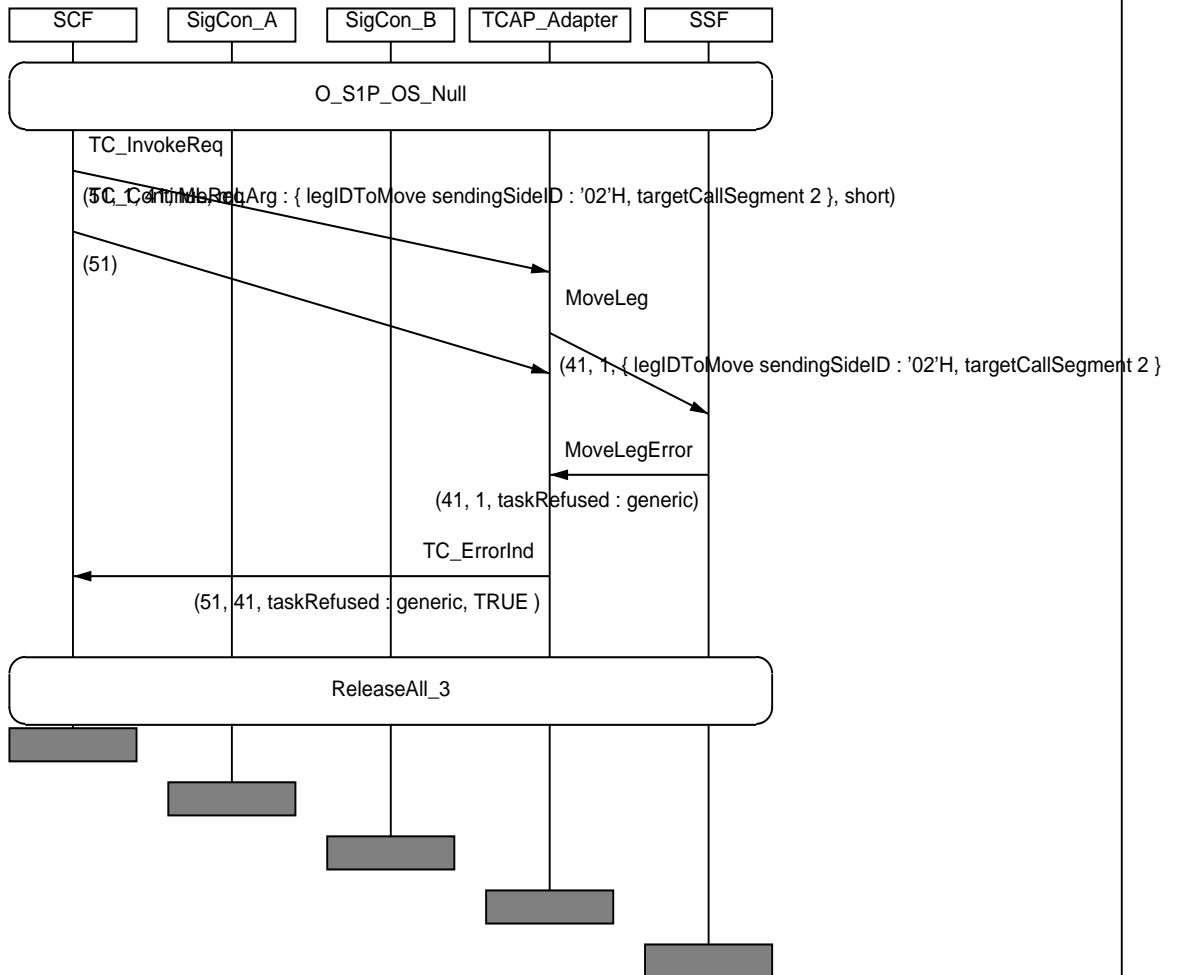
| IN3_A_CPH_ML_BO_02 | |
|---------------------------|---|
| Work item no.: | ITEM_CPH_223 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MoveLeg ReturnError component (taskRefused) when having received a MoveLeg invoke component with the CS of the legIDToMove (controlling) being in the Terminating_Setup state (invalid) and the targetCS being in the Stable_1_Party state. |
| Requirements refs | 11.31.1, 11.31.1.1.1, 11.31.3.2, 13.1.12.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | T_TSB_S1P_null |
| Test description | L1!MoveLeg(2,2) |
| Pass criteria | L1?MoveLeg ReturnError(taskRefused) |
| Postamble: | Release_13 |

MSC IN3_A_CPH_ML_BO_02



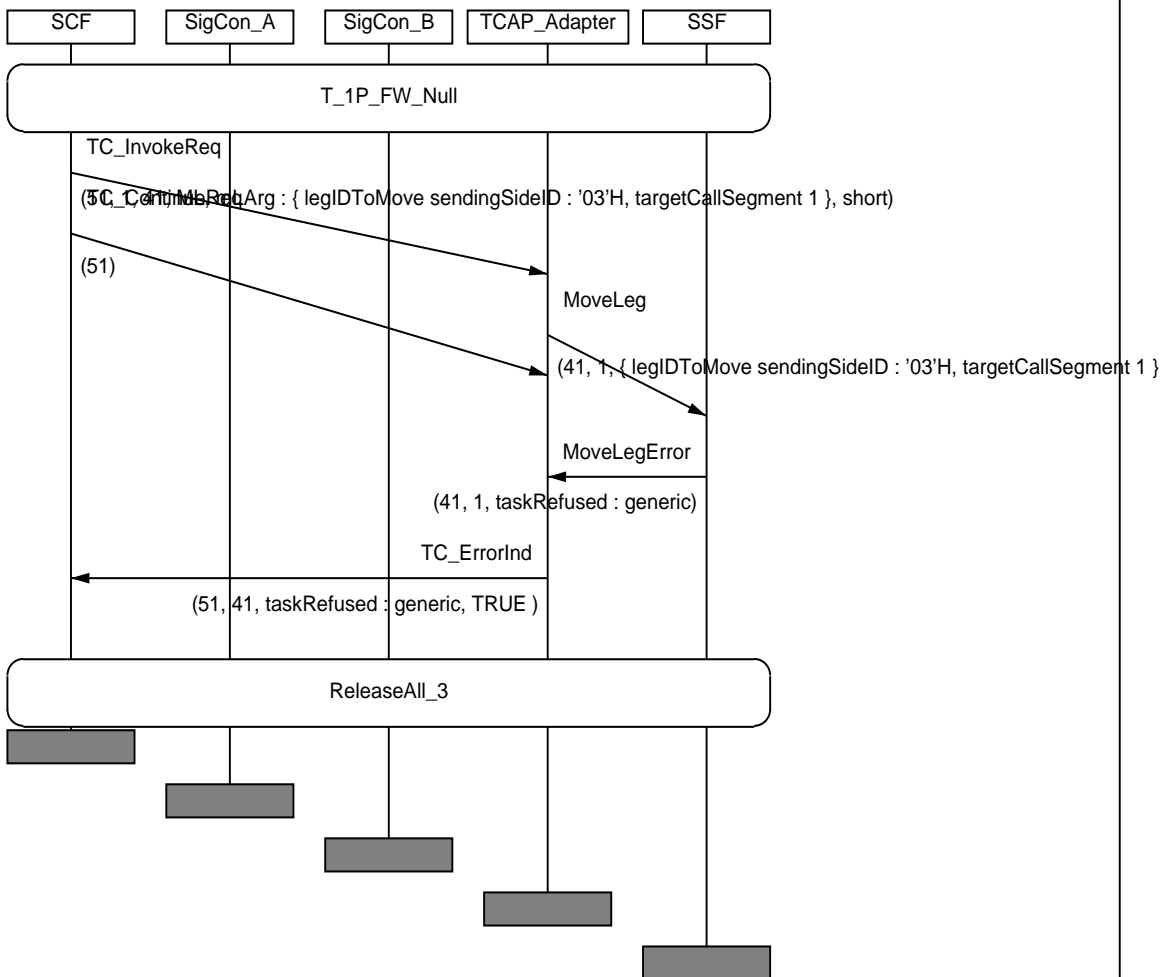
| IN3_A_CPH_ML_BO_03 | |
|---------------------------|---|
| Work item no.: | ITEM_CPH_224 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MoveLeg ReturnError component (taskRefused) when having received a MoveLeg invoke component with the CS of the legIDToMove (passive) being in the Stable_1_Party state and the targetCS being in the Originating_Setup state, without call processing being suspended at one of the state-compatible DPs (invalid). |
| Requirements refs | 11.31.1, 11.31.1.1.1, 11.31.3.2, 13.1.12.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | O_S1P_OS_null |
| Test description | L1!MoveLeg(2,2) |
| Pass criteria | L1?MoveLeg ReturnError(taskRefused) |
| Postamble: | ReleaseAll_3 |

MSC IN3_A_CPH_ML_BO_03



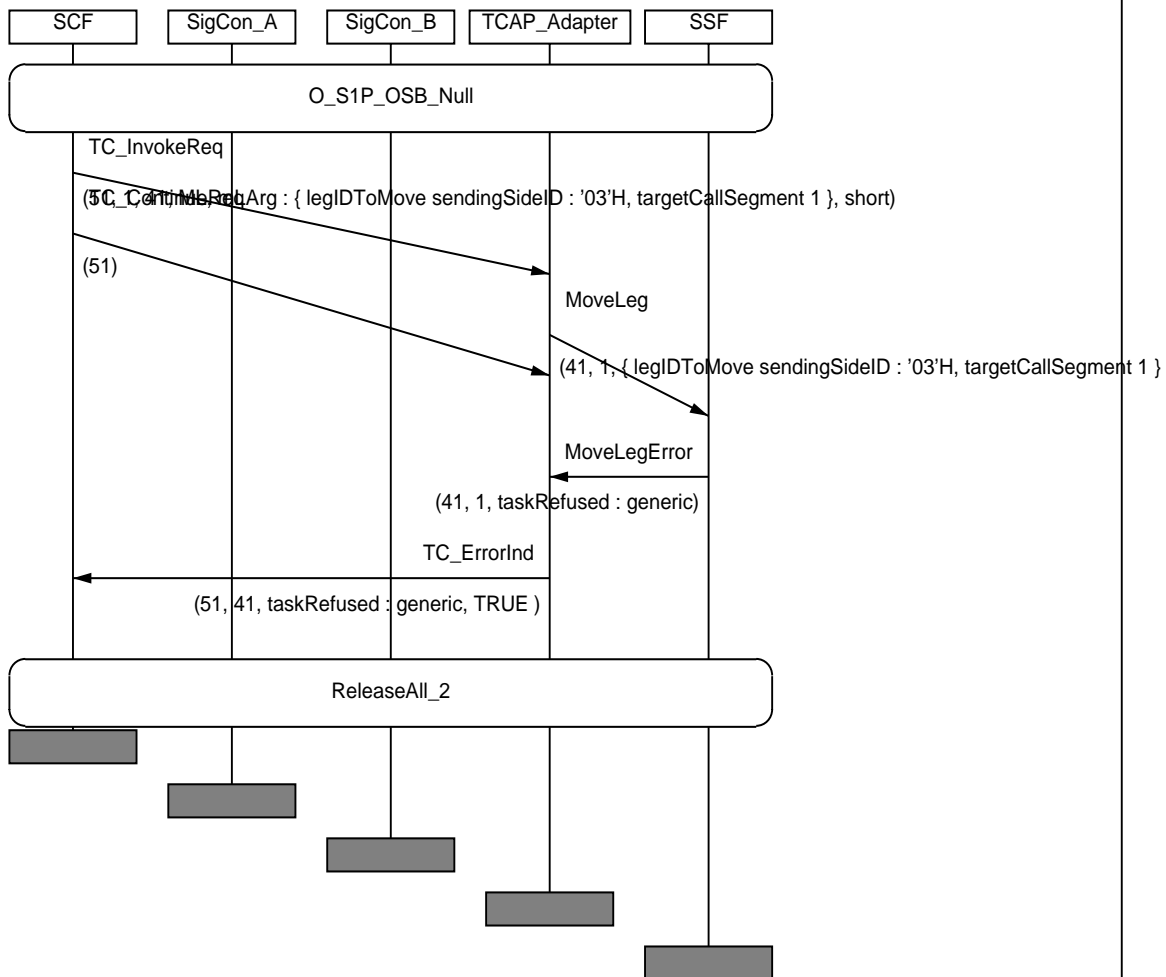
| IN3_A_CPH_ML_BO_04 | |
|---------------------------|--|
| Work item no.: | ITEM_CPH_225 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MoveLeg ReturnError component (taskRefused) when having received a MoveLeg invoke component with the CS of the legIDToMove (passive,pending) being in the Forward state (invalid) and the targetCS being in the 1_Party state. |
| Requirements refs | 11.31.1, 11.31.1.1.1, 11.31.3.2, 13.1.12.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | T_1P_FW_null |
| Test description | L1!MoveLeg(3,1) |
| Pass criteria | L1?MoveLeg ReturnError(taskRefused) |
| Postamble: | ReleaseAll_3 |

MSC IN3_A_CPH_ML_BO_04



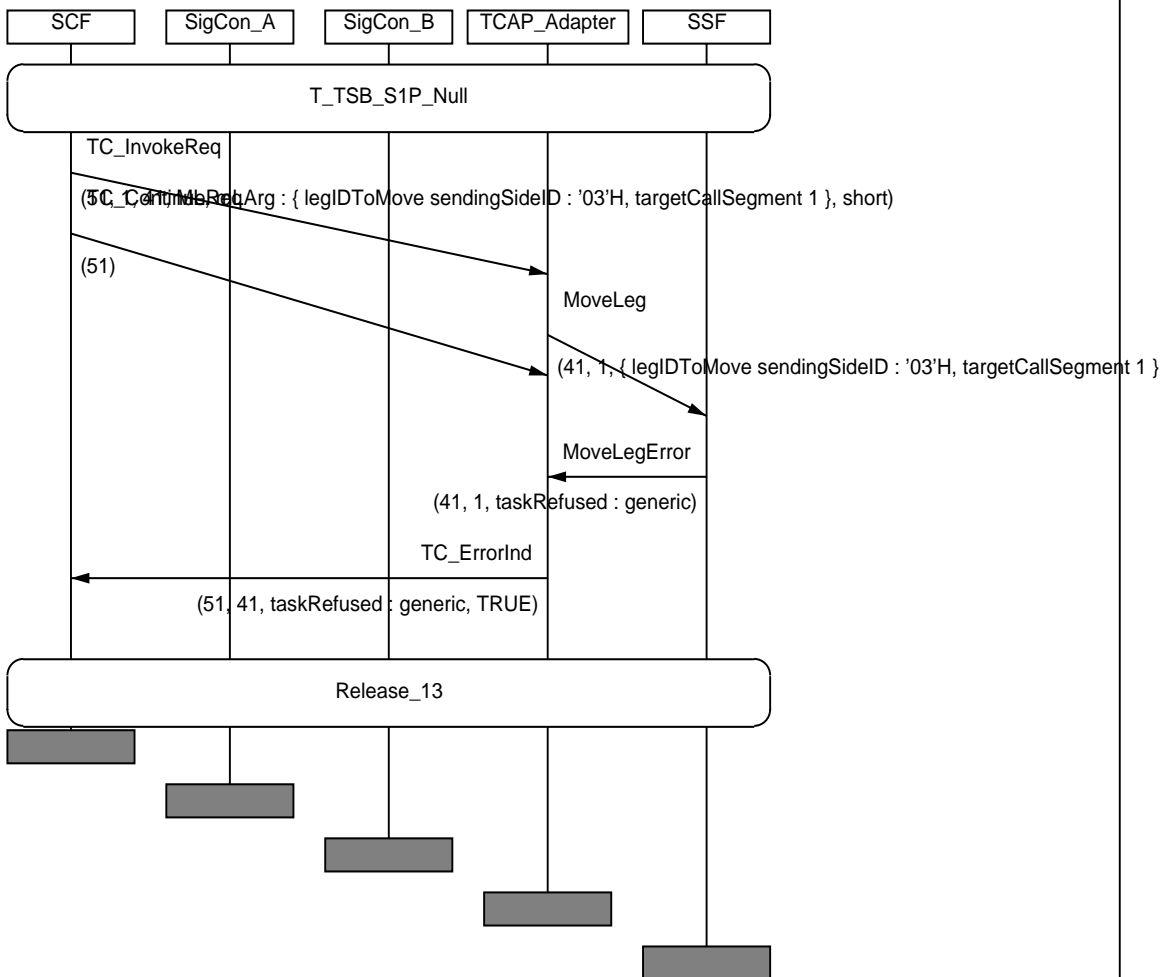
| IN3_A_CPH_ML_BO_05 | |
|---------------------------|--|
| Work item no.: | ITEM_CPH_226 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MoveLeg ReturnError component (taskRefused) when having received a MoveLeg invoke component with the CS of the legIDToMove (passive) being in the Originating_Setup state (waiting for instructions in the O_Called_Party_Busy DP) and the targetCS being in the Stable_1_Party state. |
| Requirements refs | 11.31.1, 11.31.1.1.1, 11.31.3.2, 13.1.12.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | O_S1P_OSB_null |
| Test description | L1!MoveLeg(3,1) |
| Pass criteria | L1?MoveLeg ReturnError(taskRefused) |
| Postamble: | ReleaseAll_2 |

MSC IN3_A_CPH_ML_BO_05



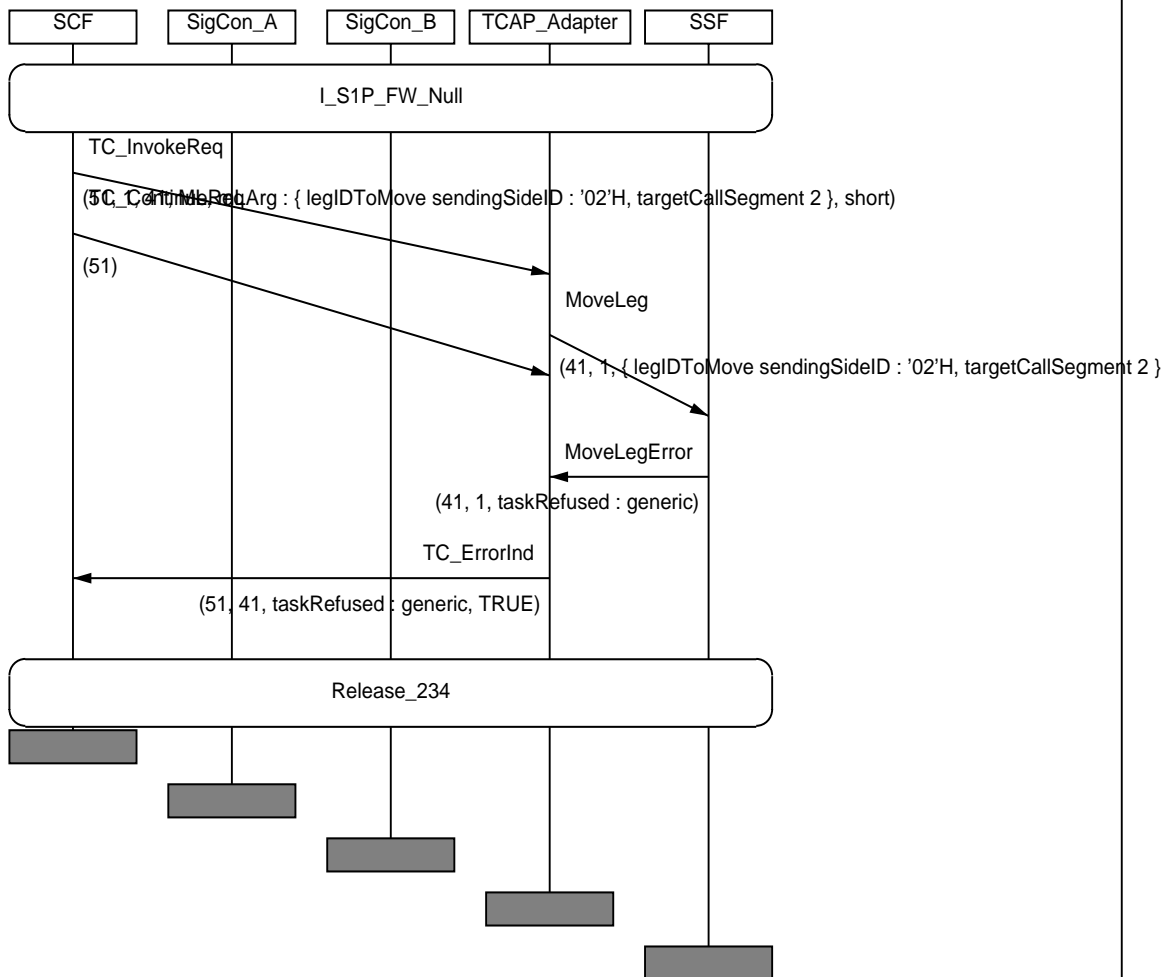
| IN3_A_CPH_ML_BO_06 | |
|---------------------------|---|
| Work item no.: | ITEM_CPH_227 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MoveLeg ReturnError component (taskRefused) when having received a MoveLeg invoke component with the CS of the legIDToMove (passive) being in the Stable_1_Party state and the targetCS being in the Terminating_Setup state (invalid). |
| Requirements refs | 11.31.1, 11.31.1.1.1, 11.31.3.2, 13.1.12.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | T_TSB_S1P_null |
| Test description | L1!MoveLeg(3,1) |
| Pass criteria | L1?MoveLeg ReturnError(taskRefused) |
| Postamble: | Release_13 |

MSC IN3_A_CPH_ML_BO_06



| IN3_A_CPH_ML_BO_07 | |
|---------------------------|---|
| Work item no.: | ITEM_CPH_228 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a MoveLeg ReturnError component (taskRefused) when having received a MoveLeg invoke component with the CS of the legIDToMove (passive) being in the Stable_1_Party state and the targetCS being in the Forward state (invalid). |
| Requirements refs | 11.31.1, 11.31.1.1.1, 11.31.3.2, 13.1.12.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | I_S1P_FW_null |
| Test description | L1!MoveLeg(2,2) |
| Pass criteria | L1?MoveLeg ReturnError(taskRefused) |
| Postamble: | Release_234 |

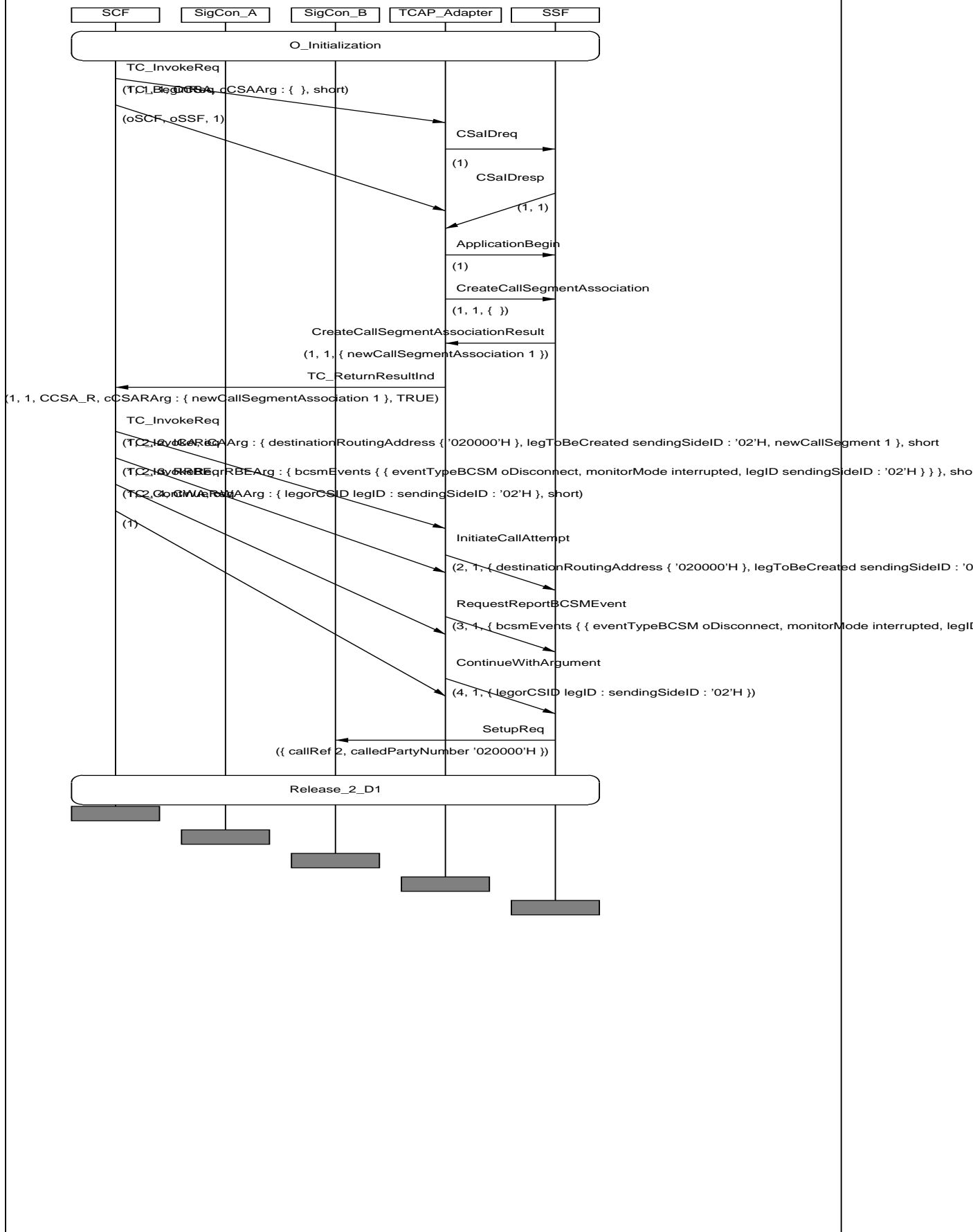
MSC IN3_A_CPH_ML_BO_07



8.8 CreateCallSegmentAssociation (CCSA) procedure

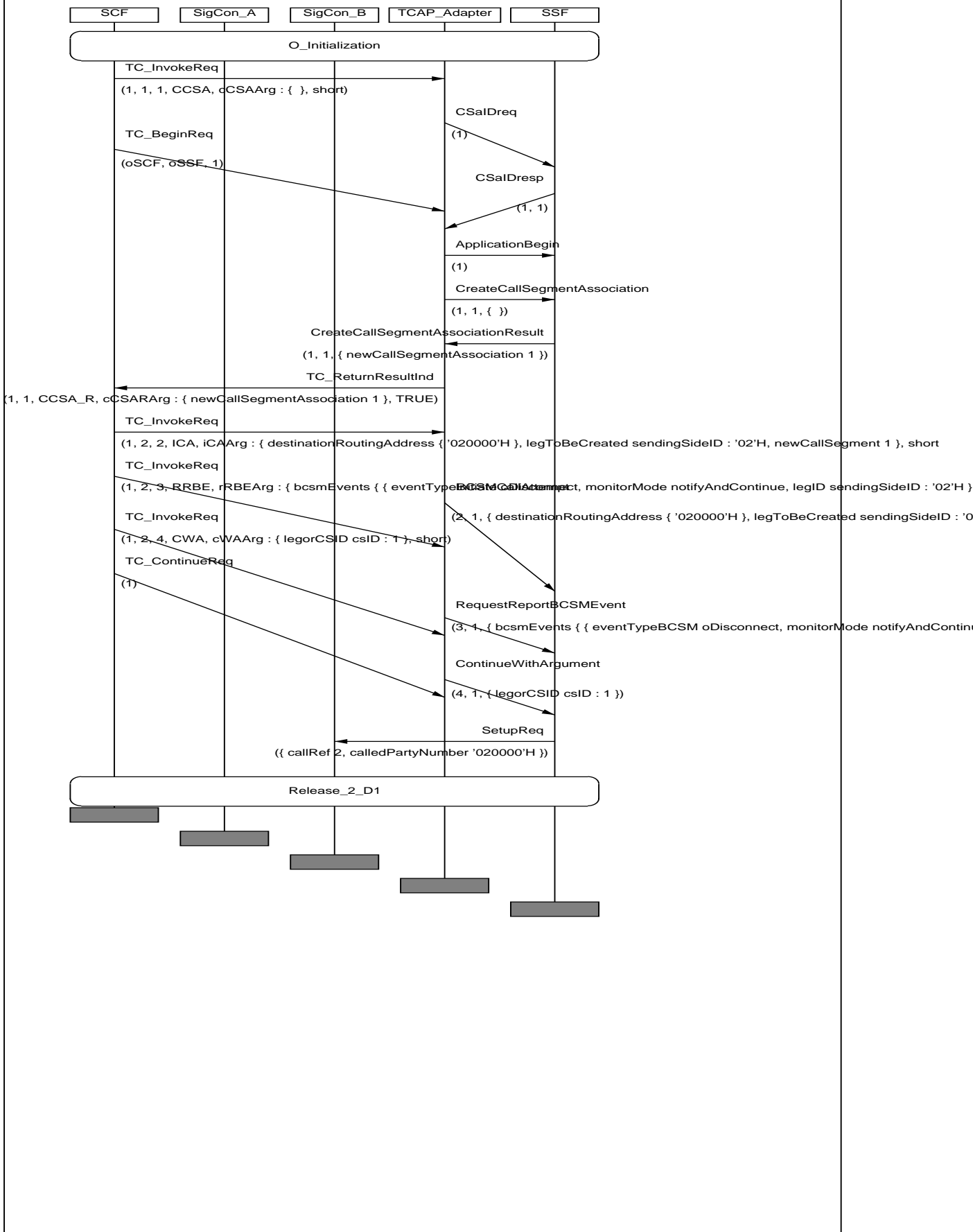
| IN3_A_CPH_CCSA_BV_01 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_233 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a CreateCallSegmentAssociation ReturnResult component containing the newCsaID when having received a CreateCallSegmentAssociation invoke component from the SCF with a TC-BEGIN indication primitive. |
| Requirements refs | 8.2.1, 8.2.1.1, 8.2.1.2, 11.16.1, 11.16.1.1, 11.16.3.1 |
| Selection Cond. | |
| Preamble: | O_null |
| Test description | L1!CreateCallSegmentAssociation (sent in TC-BEGIN) L1?CreateCallSegmentAssociation ReturnResult(newCsaID) L1!InitiateCallAttempt(2,1) L1!RequestReportBCSMEEvent(2,interrupted,oDisconnect) L1!ContinueWithArgument(legID=2) CP1_2?SetUpReq |
| Pass criteria | L1?CreateCallSegmentAssociation ReturnResult(newCsaID) |
| Postamble: | Release_2 |

MSC IN3_A_CPH_CCSA_BV_01

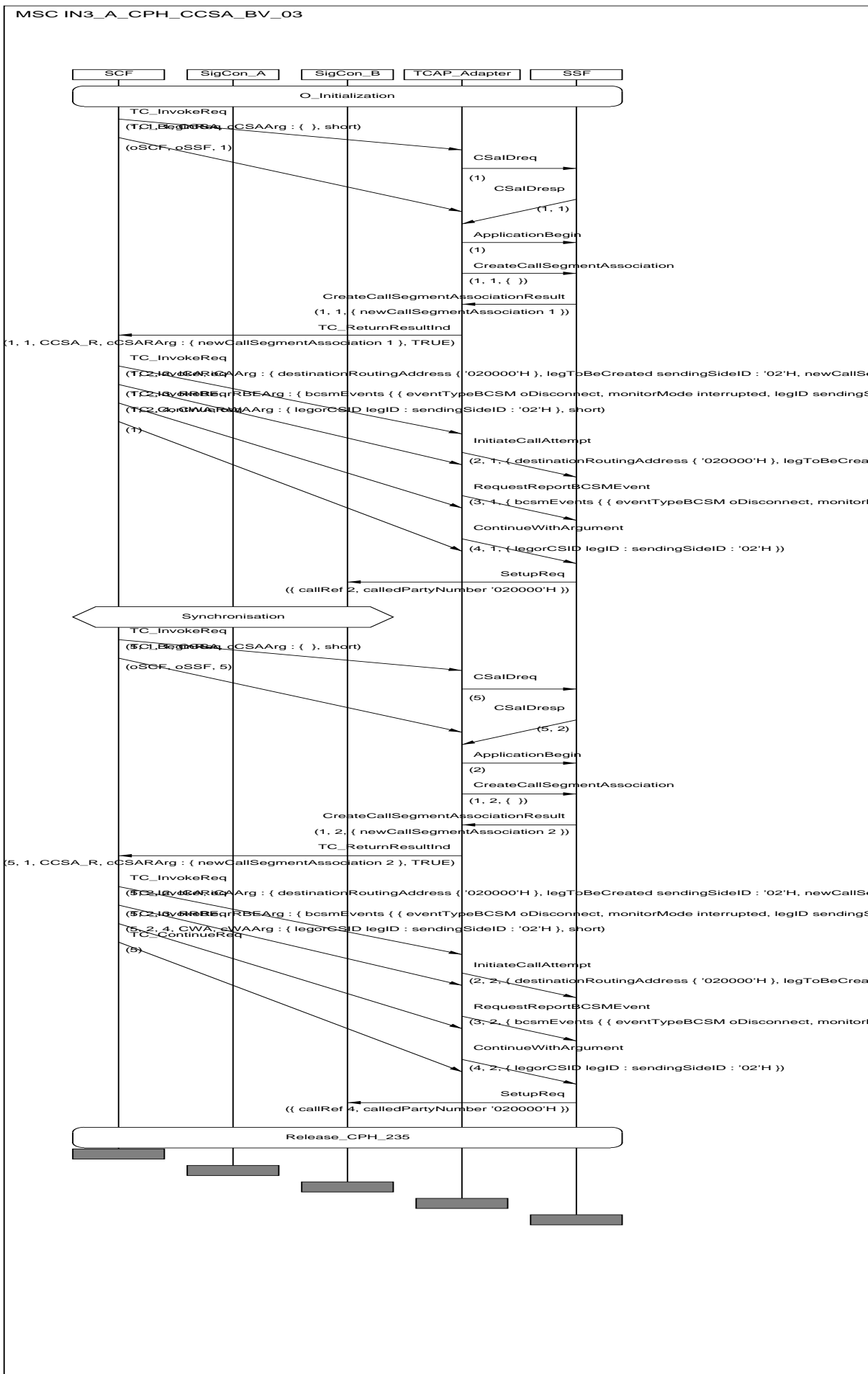


| IN3_A_CPH_CCSA_BV_02 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_234 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends a SetupReq signal from the related SigCon, after having performed the CreateCallSegmentAssociation procedure for csalD and having received an InitiateCallAttempt within the context of this CSA. |
| Requirements refs | 8.2.1, 8.2.1.1, 8.2.1.2, 11.16.1, 11.16.1.1, 11.16.3.1 |
| Selection Cond. | |
| Preamble: | O_null |
| Test description | L1!CreateCallSegmentAssociation (sent in TC-BEGIN) L1?CreateCallSegmentAssociation ReturnResult(newCsalD) L1!InitiateCallAttempt(2,1) L1!RequestReportBCSMEvent(2,notifyAndContinue,oDisconnect) L1!ContinueWithArgument(csID=1) |
| Pass criteria | CP1_2?SetUpReq |
| Postamble: | Release_2 |

MSC IN3_A_CPH_CCSA_BV_02

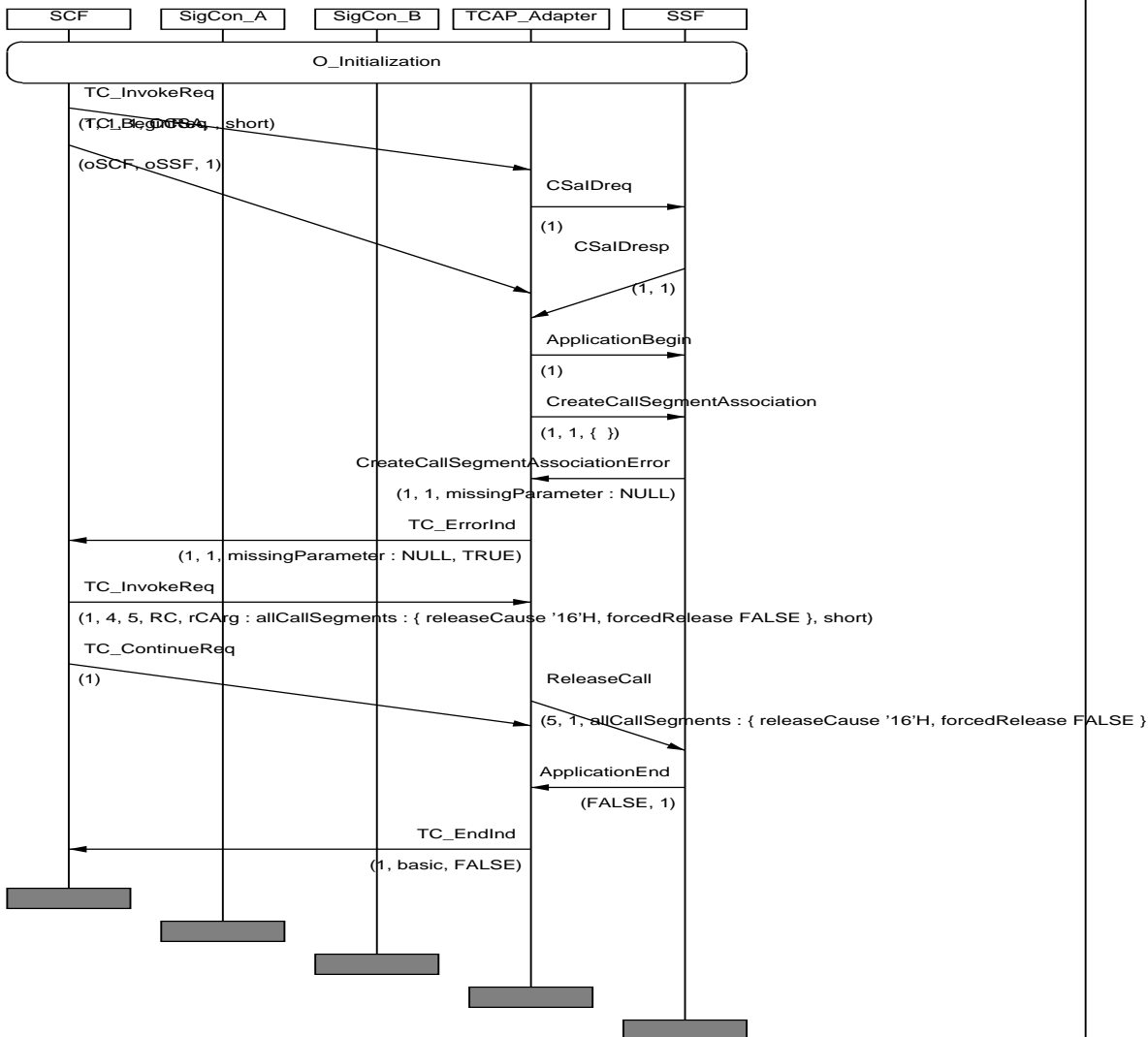


| IN3_A_CPH_CCSA_BV_03 | |
|-----------------------------|---|
| Work item no.: | ITEM_CPH_235 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF, having performed the CreateCallSegmentAssociation procedure for csalD1, sends a CreateCallSegmentAssociation ReturnResult component containing the newCsalD, not being equal to csalD1, when having received a further CreateCallSegmentAssociation invoke component from the SCF. |
| Requirements refs | 8.2.1, 8.2.1.1, 8.2.1.2, 11.16.1, 11.16.1.1, 11.16.3.1 |
| Selection Cond. | |
| Preamble: | O_null |
| Test description | L1!CreateCallSegmentAssociation (sent in TC-BEGIN, dialogID1) L1?CreateCallSegmentAssociation ReturnResult(newCsalD1) L1!InitiateCallAttempt(2,1) L1!RequestReportBCSMEEvent(2,interrupted,oDisconnect) L1!ContinueWithArgument(legID=2) CP1_2?SetUpReq L2!CreateCallSegmentAssociation (sent in TC-BEGIN) L2?CreateCallSegmentAssociation ReturnResult(newCsalD2) newCsalD2 <> newCsalD1 L2!InitiateCallAttempt(2,1) L2!RequestReportBCSMEEvent(2,interrupted,oDisconnect) L2!ContinueWithArgument(legID=2) CP2_2?SetUpReq |
| Pass criteria | L2?CreateCallSegmentAssociation ReturnResult(newCsalD2) newCsalD2 <> newCsalD1 |
| Postamble: | L1!ReleaseCall(allCallSegments) CP1_2?ReleaseReq L2!ReleaseCall(allCallSegments) CP2_2?ReleaseReq |



| IN3_A_CPH_CCSA_BI_01 | |
|-----------------------------|---|
| Work item no.: | ITEM_CPH_236 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends to the SCF a CreateCallSegmentAssociation ReturnError component (missingParameter) after having received from the SCF a CreateCallSegmentAssociation invoke component without argument. |
| Requirements refs | 8.2.1, 8.2.1.1, 8.2.1.2, 11.16.1, 11.16.1.1, 11.16.3.2, 13.1.12.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | O_null |
| Test description | L1!CreateCallSegmentAssociation (component sent in TC-BEGIN with this operation code, but without argument) |
| Pass criteria | L1?CreateCallSegmentAssociation ReturnError(missingParameter) |
| Postamble: | L1!ReleaseCall(allCallSegments) |

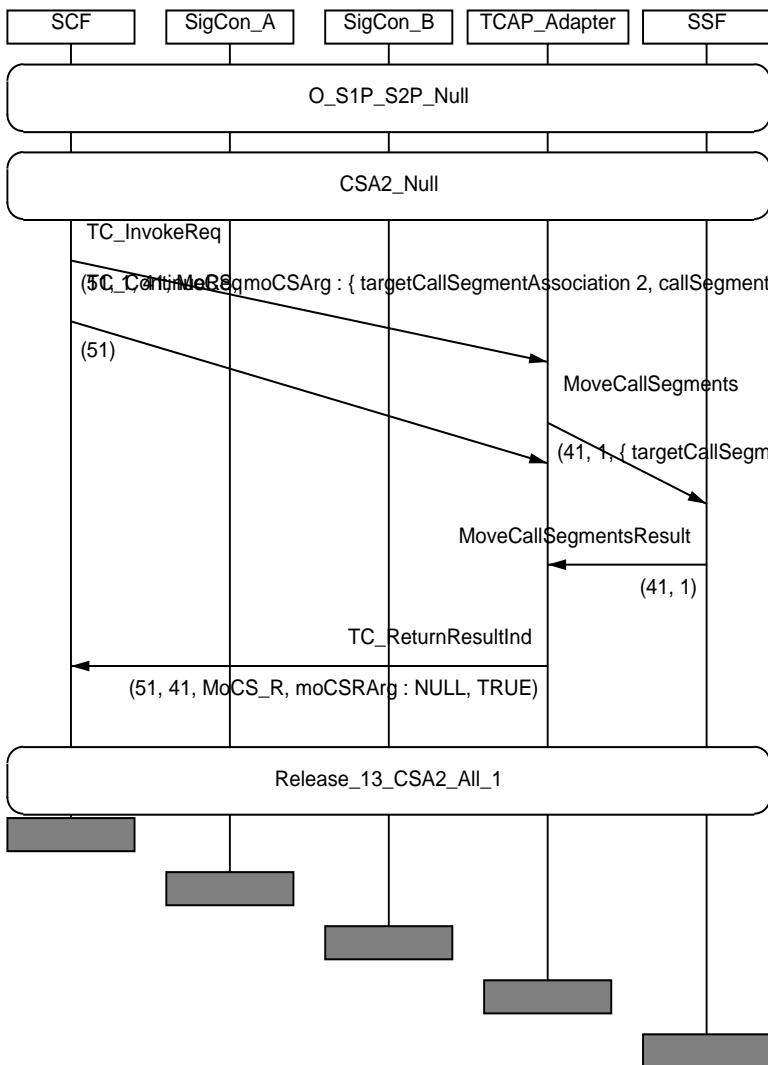
MSC IN3_A_CPH_CCSA_BI_01



8.9 MoveCallSegments (MOCS) procedure

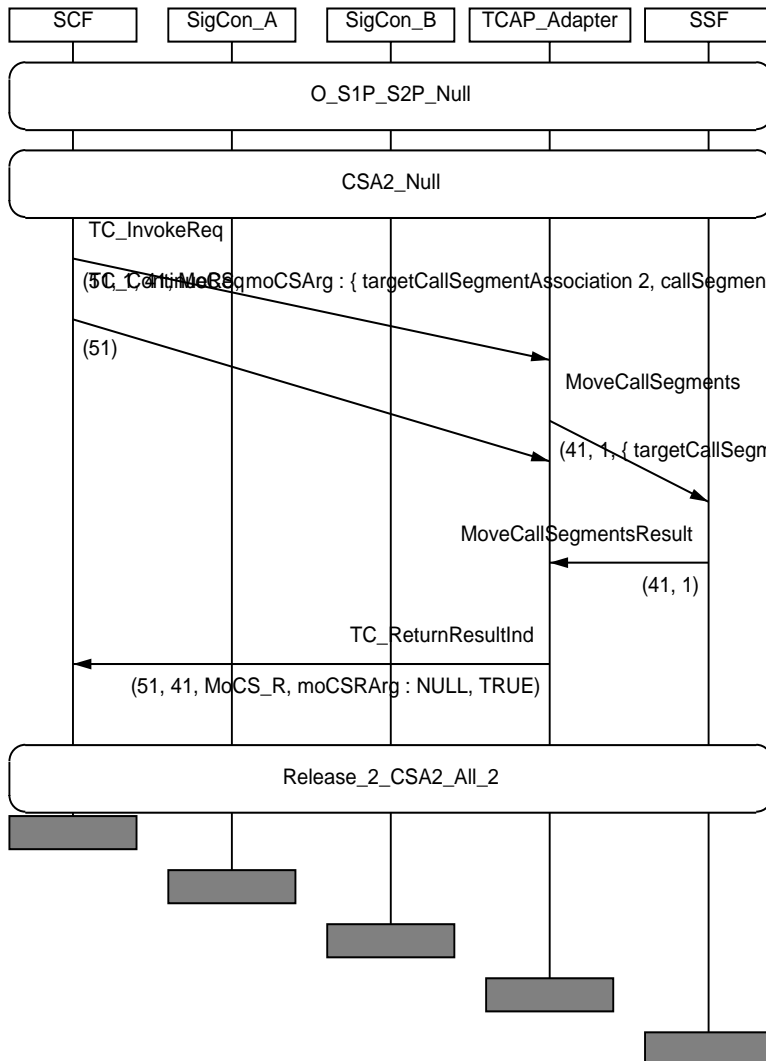
| IN3_A_CPH_MOCS_BV_01 | |
|-----------------------------|---|
| Work item no.: | ITEM_CPH_238 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF, having no CS in the target CSA, sends to the SCF a MoveCallSegments ReturnResult component after having received from the SCF a MoveCallSegments invoke component with one sourceCS, containing no joined or pending controlling leg (CS in Stable_1_Party state). |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25) |
| Selection Cond. | |
| Preamble: | O_S1P_S2P_null CSA2_null |
| Test description | <pre> L1!MoveCallSegments({ targetCSA csalD2, callSegments {{ sourceCS 1, newCS 1 }}, legs {{ sourceLeg 2, newLeg 2 } } }) </pre> |
| Pass criteria | L1!MoveCallSegments ReturnResult |
| Postamble: | Release_13_CSA2_All_1 |

MSC IN3_A_CPH_MOCS_BV_01



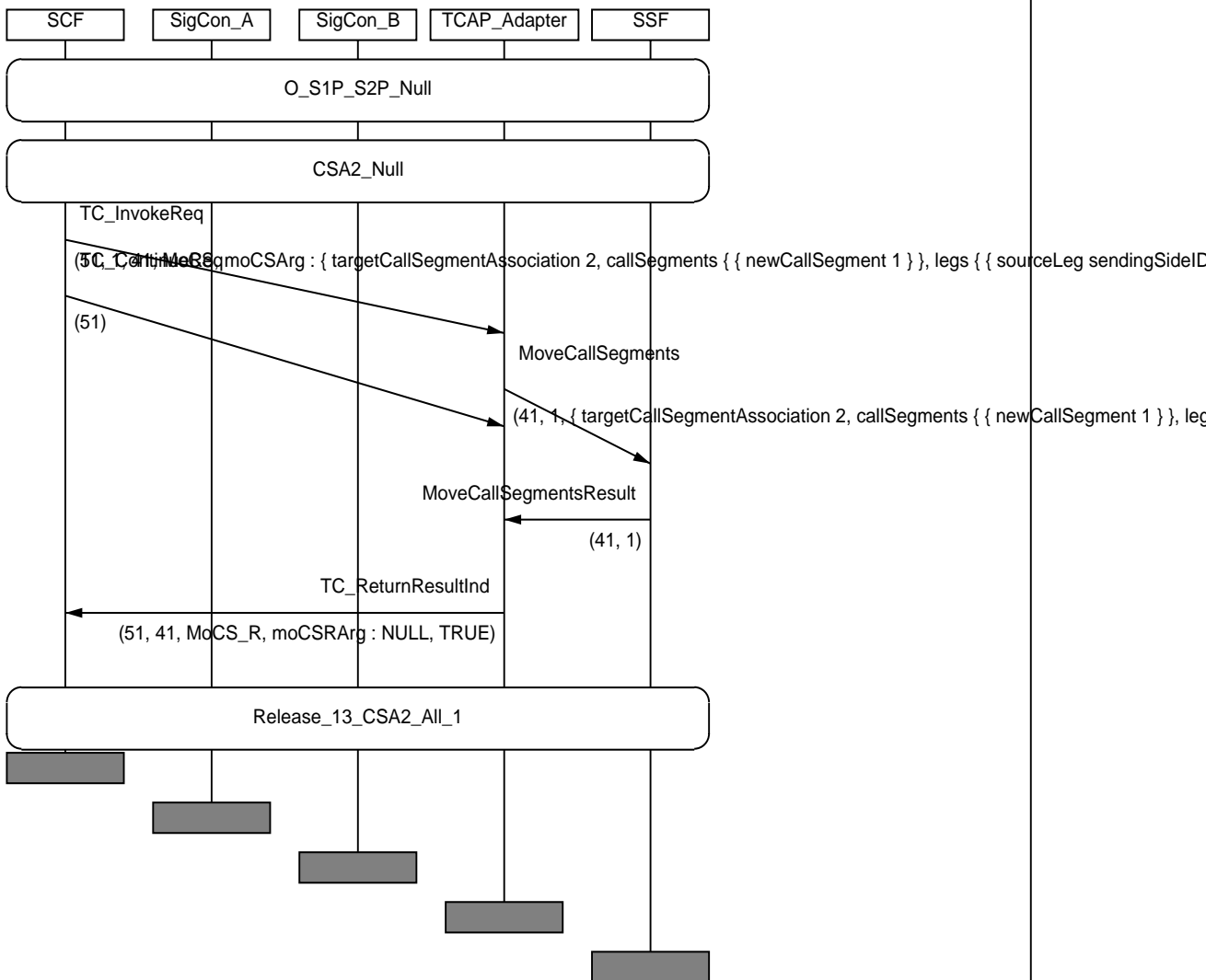
| IN3_A_CPH_MOCS_BV_02 | |
|-----------------------------|---|
| Work item no.: | ITEM_CPH_239 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF, having no CS in the target CSA, sends to the SCF a MoveCallSegments ReturnResult component after having received from the SCF a MoveCallSegments invoke component with one sourceCS, containing a joined controlling leg (CS in Stable_2_Party state). |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25) |
| Selection Cond. | |
| Preamble: | O_S1P_S2P_null CSA2_null |
| Test description | <pre> L1!MoveCallSegments({ targetCSA csalD2, callSegments {{ sourceCS 2, newCS 1 }}, legs {{ sourceLeg 1, newLeg 1}, { sourceLeg 3, newLeg 2 } } }) </pre> |
| Pass criteria | L1!MoveCallSegments ReturnResult |
| Postamble: | Release_2_CSA2_All_2 |

MSC IN3_A_CPH_MOCS_BV_02



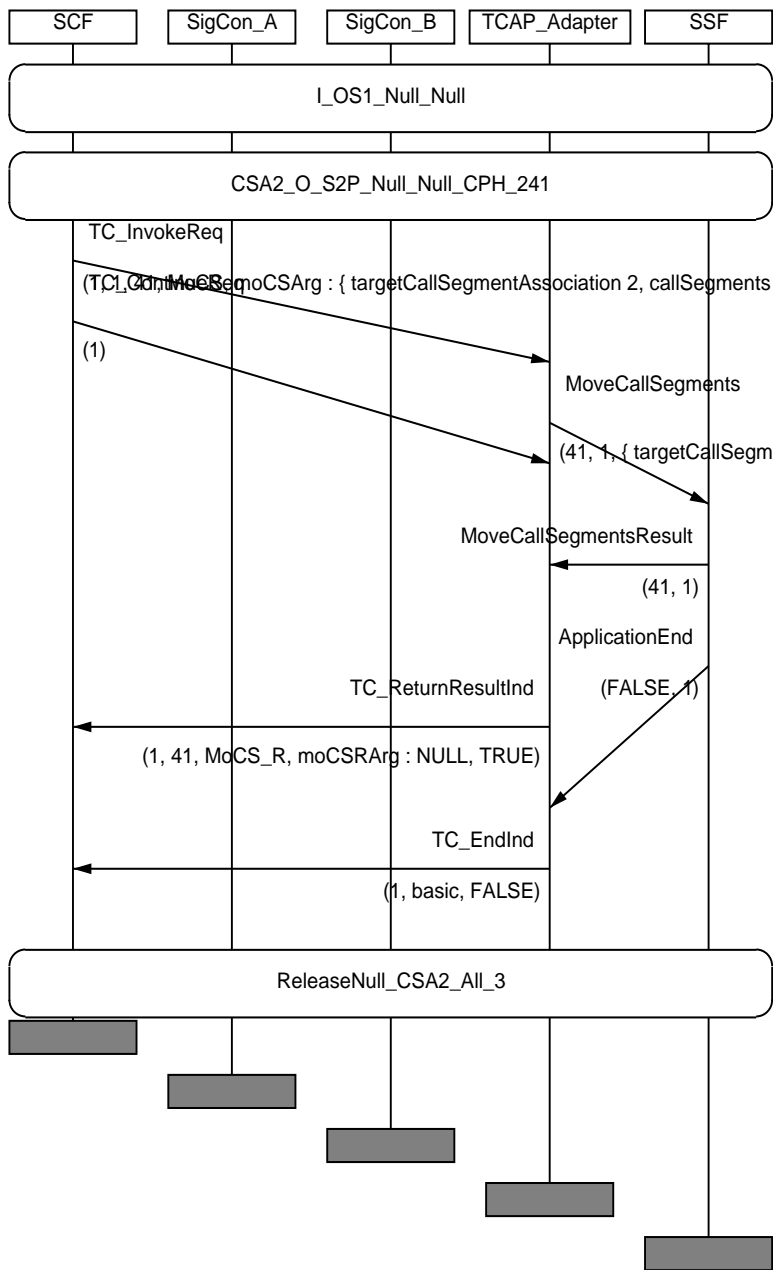
| IN3_A_CPH_MOCS_BV_03 | |
|-----------------------------|---|
| Work item no.: | ITEM_CPH_240 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF, having no CS in the target CSA, sends to the SCF a MoveCallSegments ReturnResult component after having received from the SCF a MoveCallSegments invoke component with the sourceCallSegment parameter value missing (indicating the initialCS to be moved). |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25) |
| Selection Cond. | |
| Preamble: | O_S1P_S2P_null CSA2_null |
| Test description | <pre> L1!MoveCallSegments({ targetCSA csalD2, callSegments {{ newCS 1}}, legs {{ sourceLeg 2, newLeg 2}} }) </pre> |
| Pass criteria | L1!MoveCallSegments ReturnResult |
| Postamble: | Release_13_CSA2_All_1 |

MSC IN3_A_CPH_MOCS_BV_03



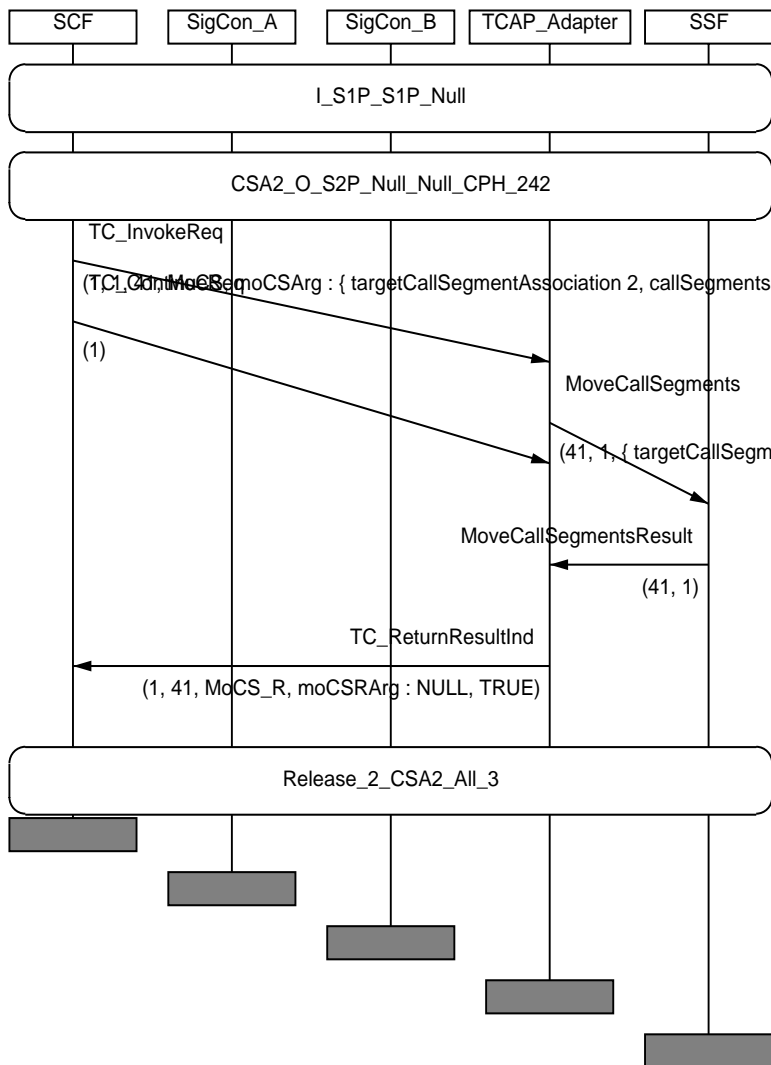
| IN3_A_CPH_MOCS_BV_04 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_241 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF, having one CS in the target CSA, containing a joined controlling leg (Stable_2_Party state), sends to the SCF a MoveCallSegments ReturnResult component after having received from the SCF a MoveCallSegments invoke component with one sourceCS, being in the Originating_1_Party_Setup state. |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25) |
| Selection Cond. | |
| Preamble: | L_OS1_null_null CSA2_O_S2P_null_null |
| Test description | <pre> L1!MoveCallSegments({ targetCSA csalD2, callSegments {{ sourceCS 1, newCS 2 }}, legs {{ sourceLeg 2, newLeg 3 } } }) </pre> |
| Pass criteria | L1!MoveCallSegments ReturnResult |
| Postamble: | ReleaseNull_CSA2_All_3 |

MSC IN3_A_CPH_MOCS_BV_04



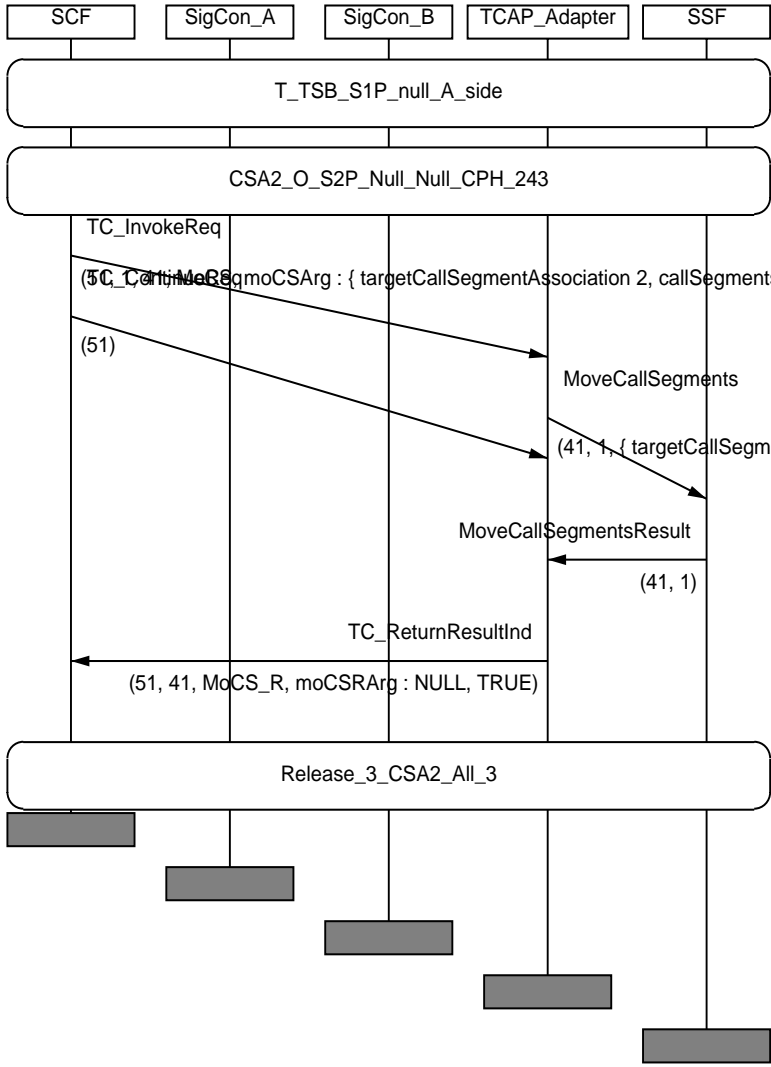
| IN3_A_CPH_MOCS_BV_05 | |
|-----------------------------|---|
| Work item no.: | ITEM_CPH_242 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF, having one CS in the target CSA, containing a joined controlling leg (Stable_2_Party state), sends to the SCF a MoveCallSegments ReturnResult component after having received from the SCF a MoveCallSegments invoke component with one sourceCS, being in the Stable_1_Party state. |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25) |
| Selection Cond. | |
| Preamble: | I_S1P_S1P_null CSA2_O_S2P_null_null |
| Test description | <pre> L1!MoveCallSegments({ targetCSA csalD2, callSegments {{ sourceCS 2, newCS 2 }}, legs {{ sourceLeg 3, newLeg 3 } } }) </pre> |
| Pass criteria | L1!MoveCallSegments ReturnResult |
| Postamble: | Release_2_CSA2_All_3 |

MSC IN3_A_CPH_MOCS_BV_05



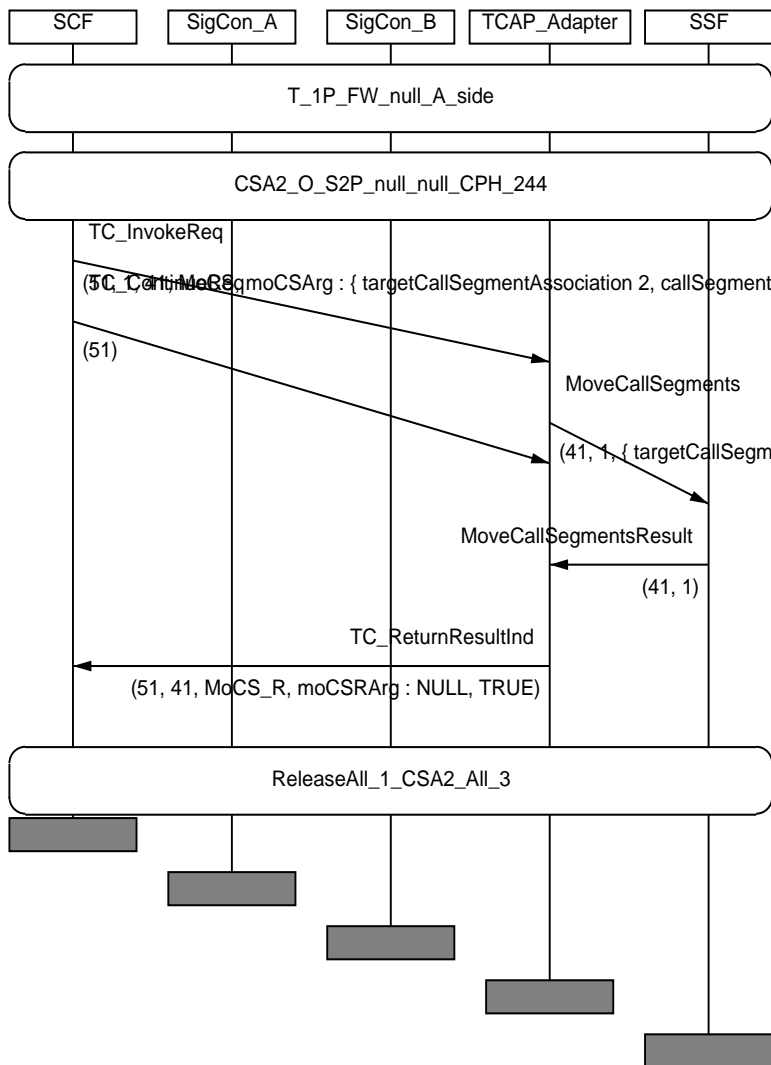
| IN3_A_CPH_MOCS_BV_06 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_243 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF, having one CS in the target CSA, containing a joined controlling leg (Stable_2_Party state), sends to the SCF a MoveCallSegments ReturnResult component after having received from the SCF a MoveCallSegments invoke component with one sourceCS, being in the Terminating_Setup state (waiting for instructions in the T_Busy DP). |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25) |
| Selection Cond. | |
| Preamble: | T_TSB_S1P_null_A_side CSA2_O_S2P_null_null |
| Test description | <pre> L1!MoveCallSegments({ targetCSA csalD2, callSegments {{ sourceCS 1, newCS 2 }}, legs {{ sourceLeg 1, newLeg 3}, { sourceLeg 2, newLeg 4 } } }) </pre> |
| Pass criteria | L1!MoveCallSegments ReturnResult |
| Postamble: | Release_3_CSA2_All_3 |

MSC IN3_A_CPH_MOCS_BV_06



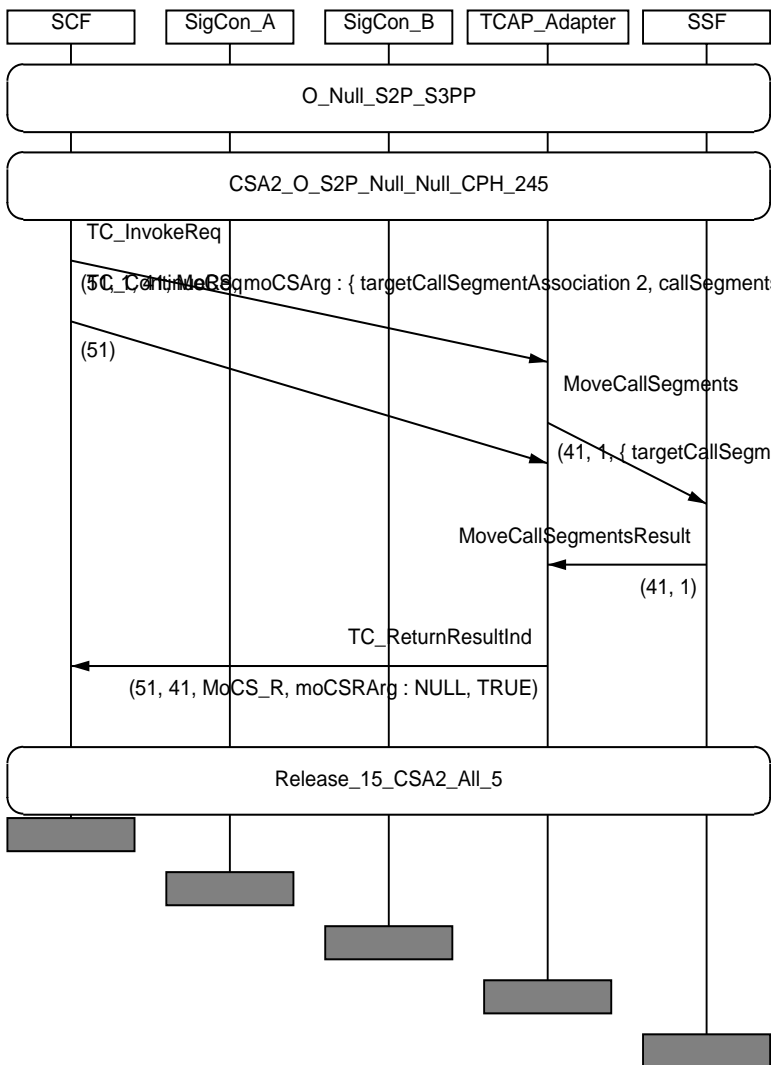
| IN3_A_CPH_MOCS_BV_07 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_244 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF, having one CS in the target CSA, containing a joined controlling leg (Stable_2_Party state), sends to the SCF a MoveCallSegments ReturnResult component after having received from the SCF a MoveCallSegments invoke component with one sourceCS, being in the Forward state. |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25) |
| Selection Cond. | |
| Preamble: | T_1P_FW_null_A_side CSA2_O_S2P_null_null |
| Test description | <pre> L1!MoveCallSegments({ targetCSA csalD2, callSegments {{ sourceCS 2, newCS 2 }}, legs {{ sourceLeg 3, newLeg 4}, { sourceLeg 1, newLeg 3} } }) </pre> |
| Pass criteria | L1!MoveCallSegments ReturnResult |
| Postamble: | ReleaseAll_1_CSA2_All_3 |

MSC IN3_A_CPH_MOCS_BV_07



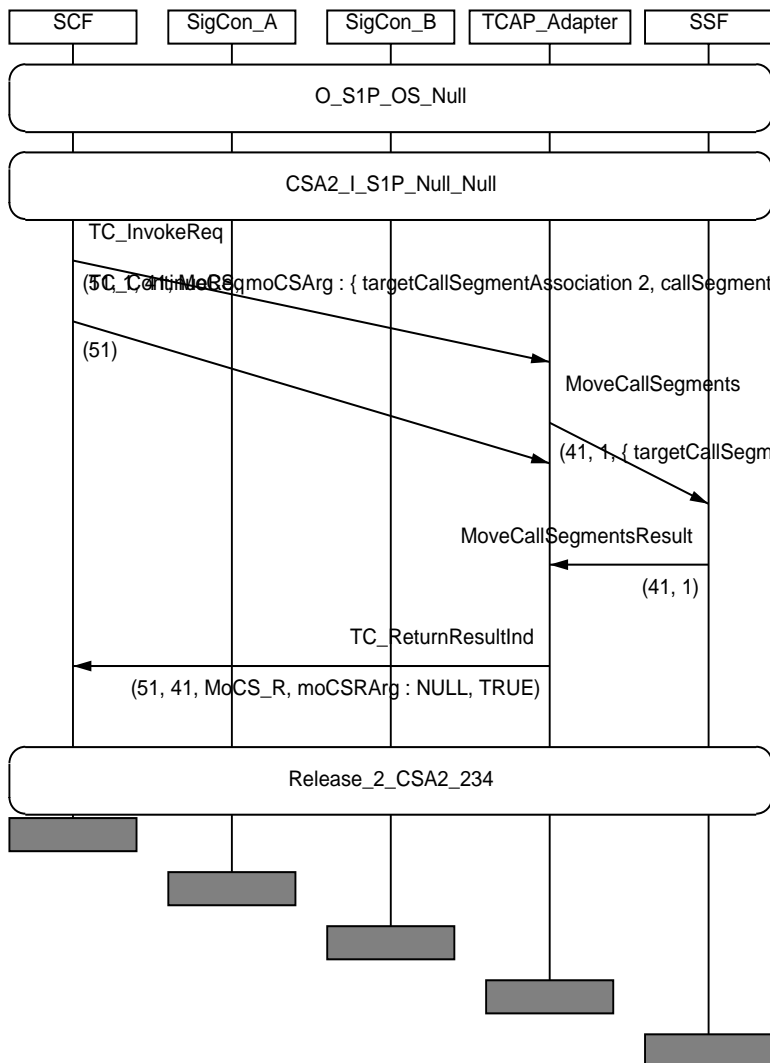
| IN3_A_CPH_MOCS_BV_08 | |
|-----------------------------|---|
| Work item no.: | ITEM_CPH_245 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF, having one CS in the target CSA, containing a joined controlling leg (Stable_2_Party state), sends to the SCF a MoveCallSegments ReturnResult component after having received from the SCF a MoveCallSegments invoke component with one sourceCS, being in the Stable_Multi_Passive_Party state. |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25) |
| Selection Cond. | |
| Preamble: | O_null_S2P_S3PP CSA2_O_S2P_null_null |
| Test description | <pre> L1!MoveCallSegments({ targetCSA csalD2, callSegments {{ sourceCS 3, newCS 2 }}, legs {{ sourceLeg 4, newLeg 6}, { sourceLeg 3, newLeg 4}, { sourceLeg 2, newLeg 3} } }) </pre> |
| Pass criteria | L1!MoveCallSegments ReturnResult |
| Postamble: | Release_15_CSA2_All_5 |

MSC IN3_A_CPH_MOCS_BV_08



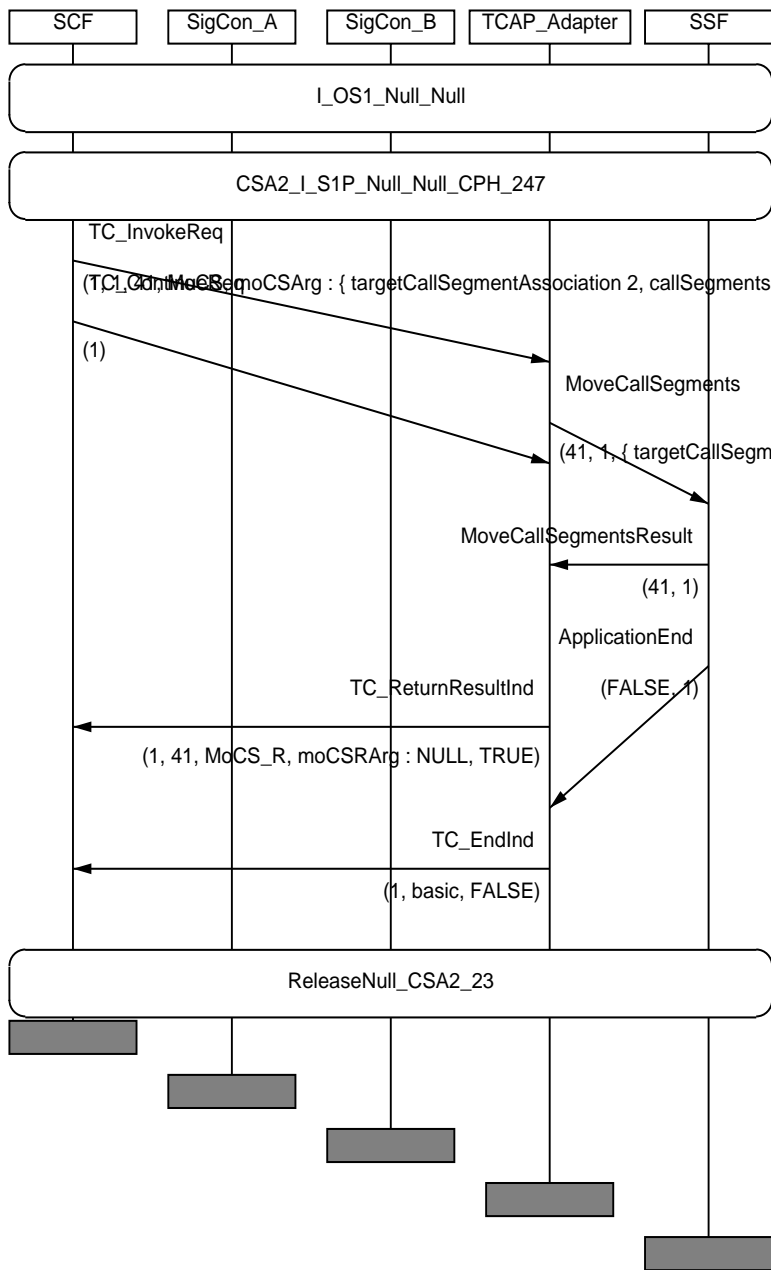
| IN3_A_CPH_MOCS_BV_09 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_246 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF, having one CS in the target CSA, containing no joined or pending controlling leg (Stable_1_Party state), sends to the SCF a MoveCallSegments ReturnResult component after having received from the SCF a MoveCallSegments invoke component with one sourceCS, being in the Originating_Setup state. |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25) |
| Selection Cond. | |
| Preamble: | O_S1P_OS_null CSA2_I_S1P_null_null |
| Test description | <pre> L1!MoveCallSegments({ targetCSA csalD2, callSegments {{ sourceCS 2, newCS 2 }}, legs {{ sourceLeg 3, newLeg 4}, { sourceLeg 1, newLeg 3 } } }) </pre> |
| Pass criteria | L1!MoveCallSegments ReturnResult |
| Postamble: | Release_2_CSA2_234 |

MSC IN3_A_CPH_MOCS_BV_09



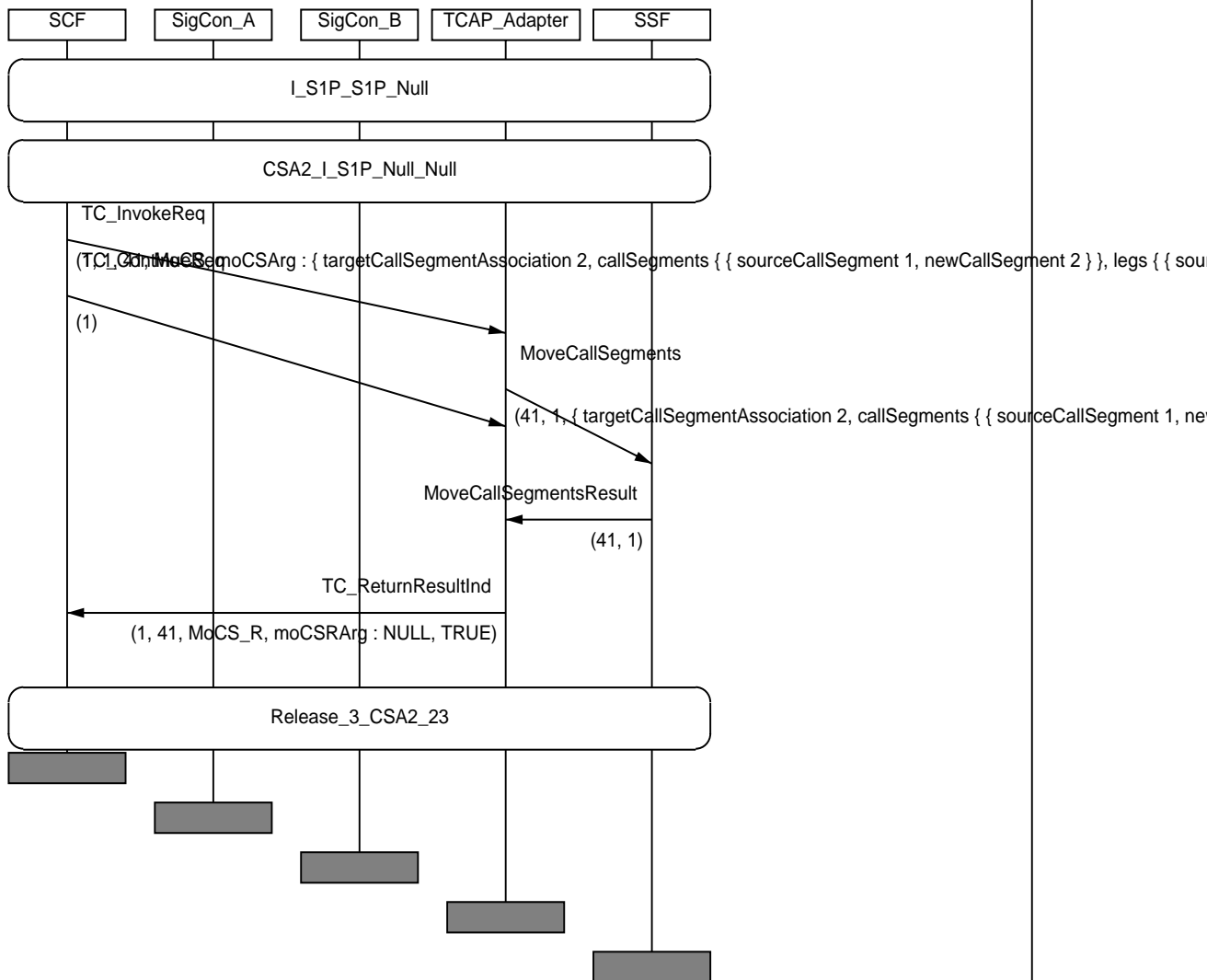
| IN3_A_CPH_MOCS_BV_10 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_247 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF, having one CS in the target CSA, containing no joined or pending controlling leg (Stable_1_Party state), sends to the SCF a MoveCallSegments ReturnResult component after having received from the SCF a MoveCallSegments invoke component with one sourceCS, being in the Originating_1_Party_Setup state. |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25) |
| Selection Cond. | |
| Preamble: | I_OS1_null_null CSA2_I_S1P_null_null |
| Test description | <pre> L1!MoveCallSegments({ targetCSA csalD2, callSegments {{ sourceCS 1, newCS 2 }}, legs {{ sourceLeg 2, newLeg 3 } } }) </pre> |
| Pass criteria | L1!MoveCallSegments ReturnResult |
| Postamble: | ReleaseNull_CSA2_23 |

MSC IN3_A_CPH_MOCS_BV_10



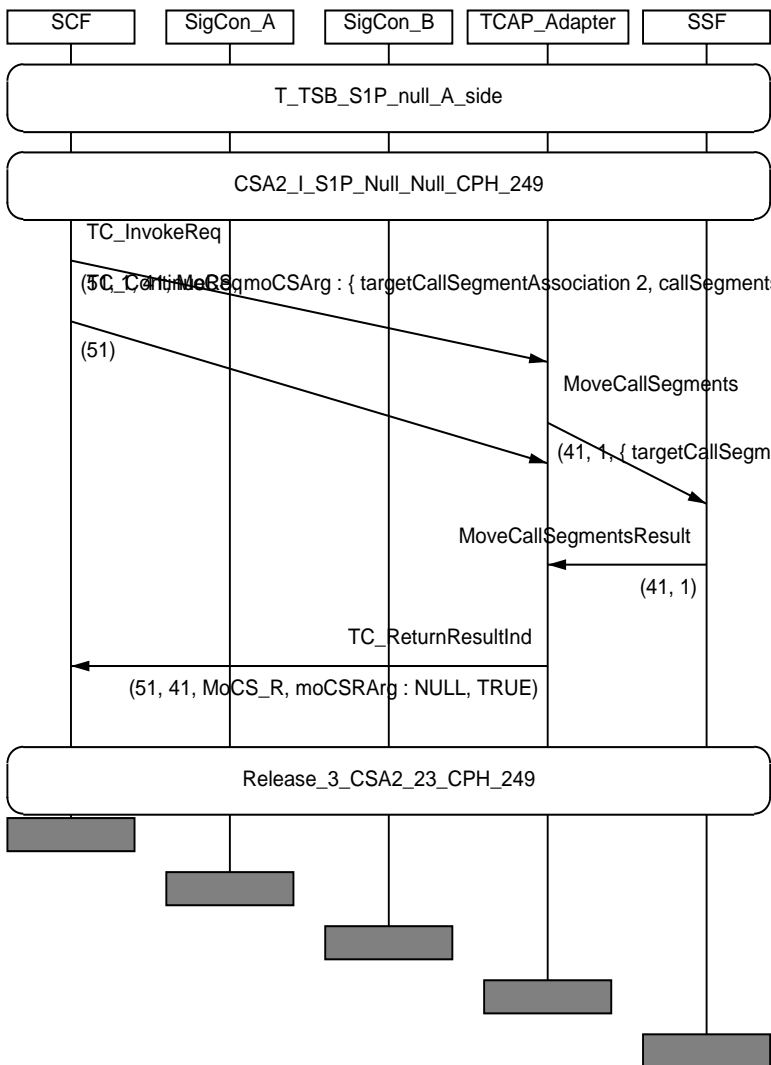
| IN3_A_CPH_MOCS_BV_11 | |
|-----------------------------|---|
| Work item no.: | ITEM_CPH_248 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF, having one CS in the target CSA, containing no joined or pending controlling leg (Stable_1_Party state), sends to the SCF a MoveCallSegments ReturnResult component after having received from the SCF a MoveCallSegments invoke component with one sourceCS, being in the Stable_1_Party state. |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25) |
| Selection Cond. | |
| Preamble: | I_S1P_S1P_null CSA2_I_S1P_null_null |
| Test description | <pre> L1!MoveCallSegments({ targetCSA csalD2, callSegments {{ sourceCS 1, newCS 2 }}, legs {{ sourceLeg 2, newLeg 3 } } }) </pre> |
| Pass criteria | L1!MoveCallSegments ReturnResult |
| Postamble: | Release_3_CSA2_23 |

MSC IN3_A_CPH_MOCS_BV_11



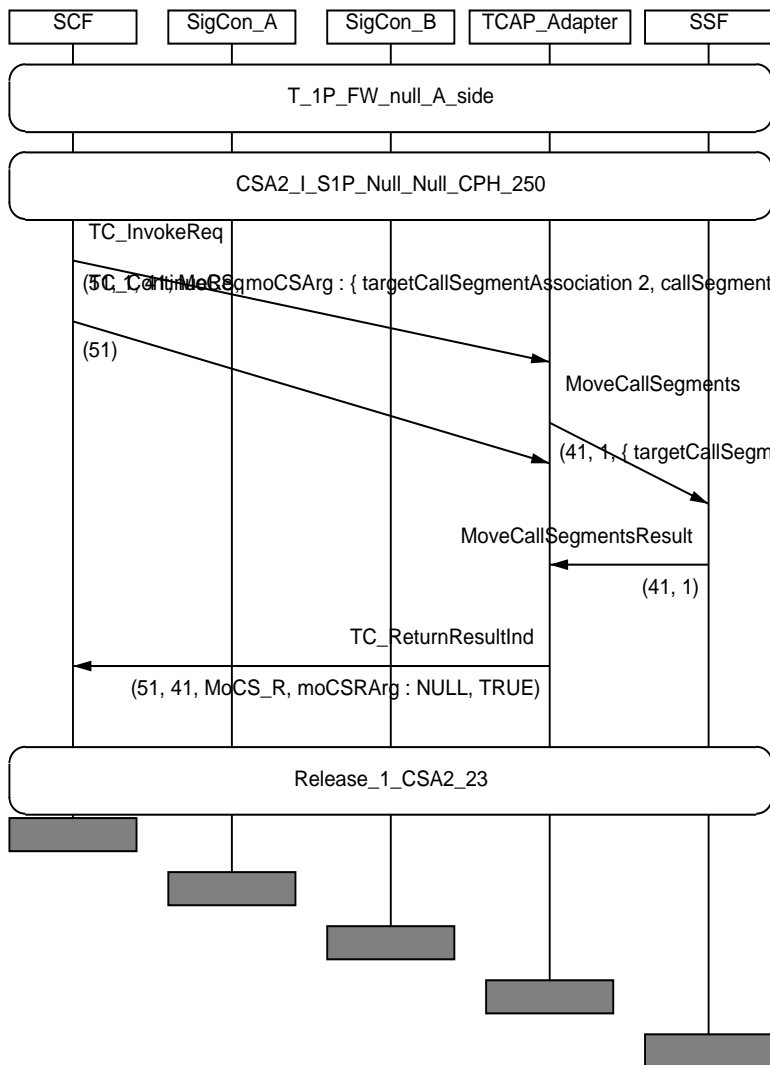
| IN3_A_CPH_MOCS_BV_12 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_249 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF, having one CS in the target CSA, containing no joined or pending controlling leg (Stable_1_Party state), sends to the SCF a MoveCallSegments ReturnResult component after having received from the SCF a MoveCallSegments invoke component with one sourceCS, being in the Terminating_Setup state (waiting for instructions in the T_Busy DP). |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25) |
| Selection Cond. | |
| Preamble: | T_TSB_S1P_null_A_side CSA2_I_S1P_null_null |
| Test description | <pre> L1!MoveCallSegments({ targetCSA csalD2, callSegments {{ sourceCS 1, newCS 2 }}, legs {{ sourceLeg 1, newLeg 3}, { sourceLeg 2, newLeg 4} } }) </pre> |
| Pass criteria | L1!MoveCallSegments ReturnResult |
| Postamble: | Release_3_CSA2_23 |

MSC IN3_A_CPH_MOCS_BV_12



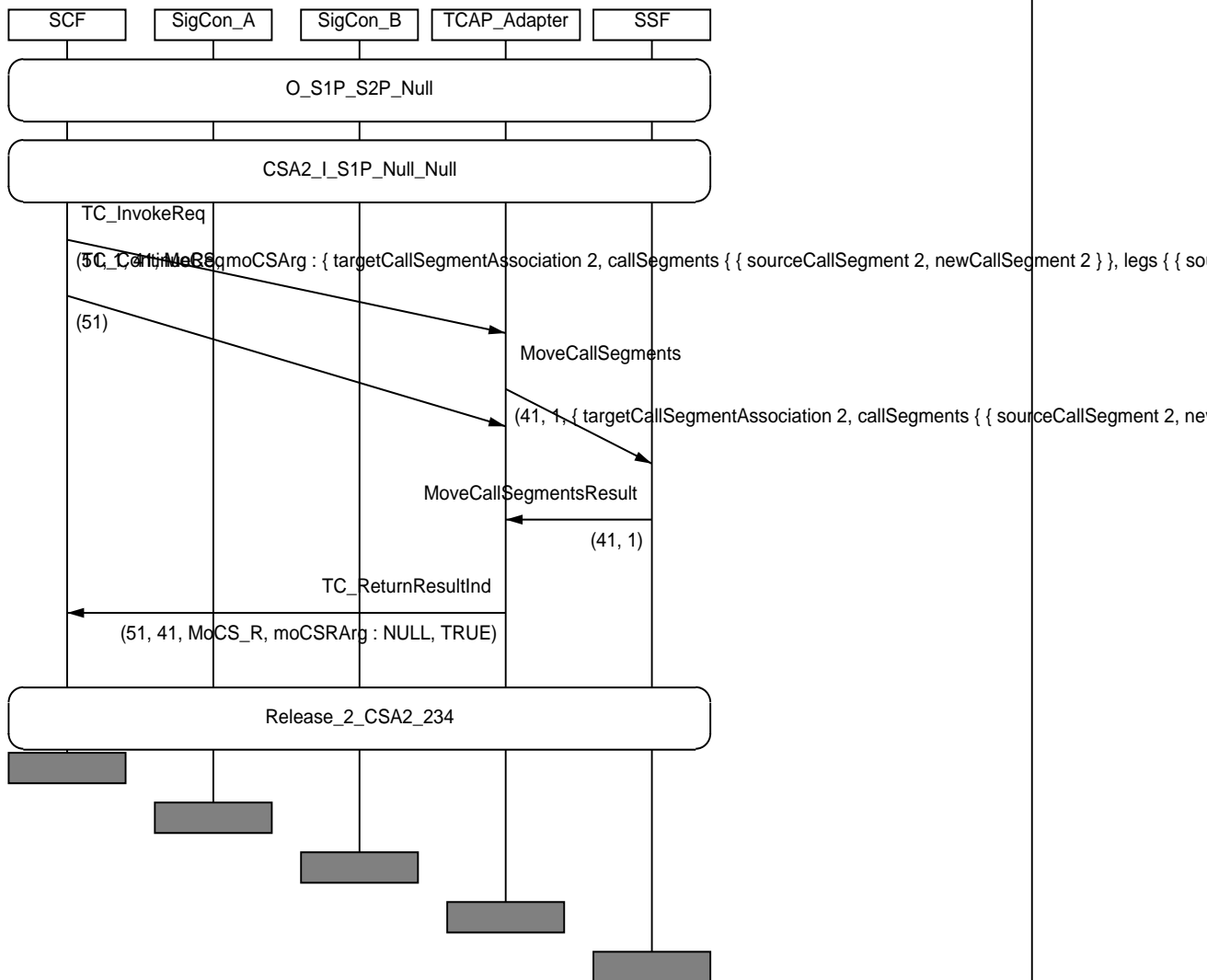
| IN3_A_CPH_MOCS_BV_13 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_250 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF, having one CS in the target CSA, containing no joined or pending controlling leg (Stable_1_Party state), sends to the SCF a MoveCallSegments ReturnResult component after having received from the SCF a MoveCallSegments invoke component with one sourceCS, being in the 1_Party state. |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25) |
| Selection Cond. | |
| Preamble: | T_1P_FW_null_A_side CSA2_I_S1P_null_null |
| Test description | <pre> L1!MoveCallSegments({ targetCSA csalD2, callSegments {{ sourceCS 1, newCS 2 }}, legs {{ sourceLeg 2, newLeg 3 } } }) </pre> |
| Pass criteria | L1!MoveCallSegments ReturnResult |
| Postamble: | Release_1_CSA2_23 |

MSC IN3_A_CPH_MOCS_BV_13



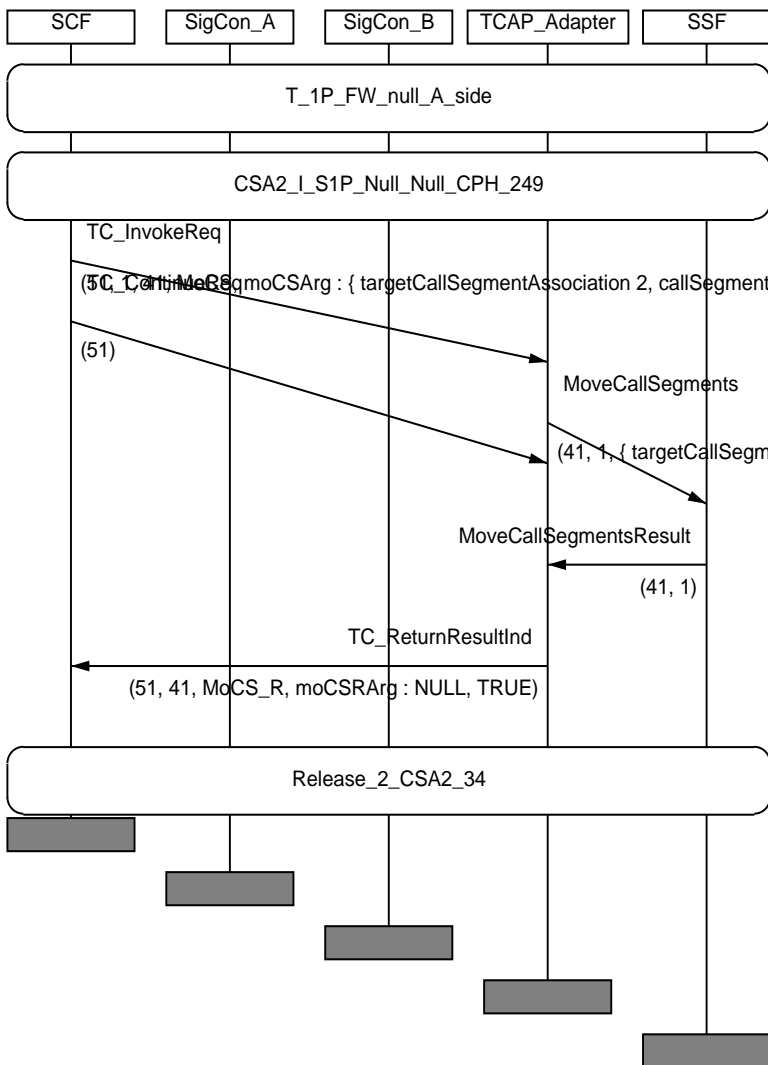
| IN3_A_CPH_MOCS_BV_14 | |
|-----------------------------|---|
| Work item no.: | ITEM_CPH_251 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF, having one CS in the target CSA, containing no joined or pending controlling leg (Stable_1_Party state), sends to the SCF a MoveCallSegments ReturnResult component after having received from the SCF a MoveCallSegments invoke component with one sourceCS, being in the Stable_2_Party state. |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25) |
| Selection Cond. | |
| Preamble: | O_S1P_S2P_null CSA2_I_S1P_null_null |
| Test description | <pre> L1!MoveCallSegments({ targetCSA csalD2, callSegments { { sourceCS 2, newCS 2} }, legs { { sourceLeg 3, newLeg 4}, { sourceLeg 1, newLeg 3} } }) </pre> |
| Pass criteria | L1!MoveCallSegments ReturnResult |
| Postamble: | Release_2_CSA2_234 |

MSC IN3_A_CPH_MOCS_BV_14



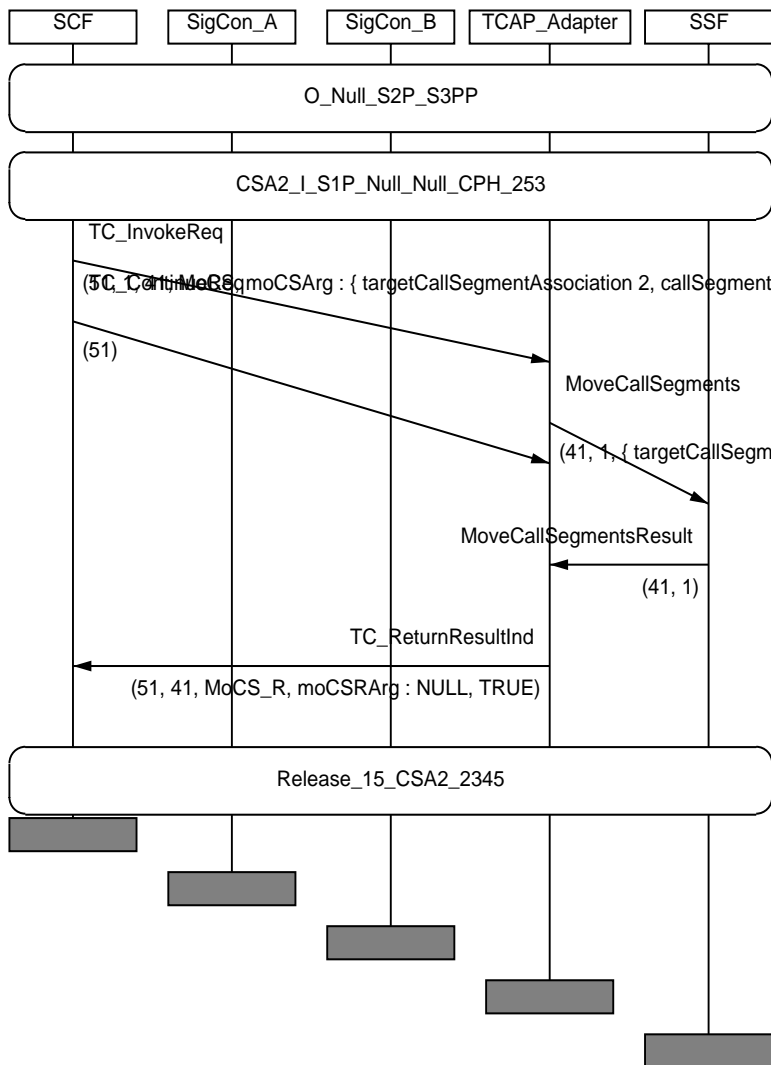
| IN3_A_CPH_MOCS_BV_15 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_252 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF, having one CS in the target CSA, containing no joined or pending controlling leg (Stable_1_Party state), sends to the SCF a MoveCallSegments ReturnResult component after having received from the SCF a MoveCallSegments invoke component with one sourceCS, being in the Forward state. |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25) |
| Selection Cond. | |
| Preamble: | T_1P_FW_null_A_side CSA2_I_S1P_null_null |
| Test description | <pre> L1!MoveCallSegments({ targetCSA csalD2, callSegments { { sourceCS 2, newCS 2} }, legs { { sourceLeg 3, newLeg 4}, { sourceLeg 1, newLeg 3} } }) </pre> |
| Pass criteria | L1!MoveCallSegments ReturnResult |
| Postamble: | Release_2_CSA2_34 |

MSC IN3_A_CPH_MOCS_BV_15



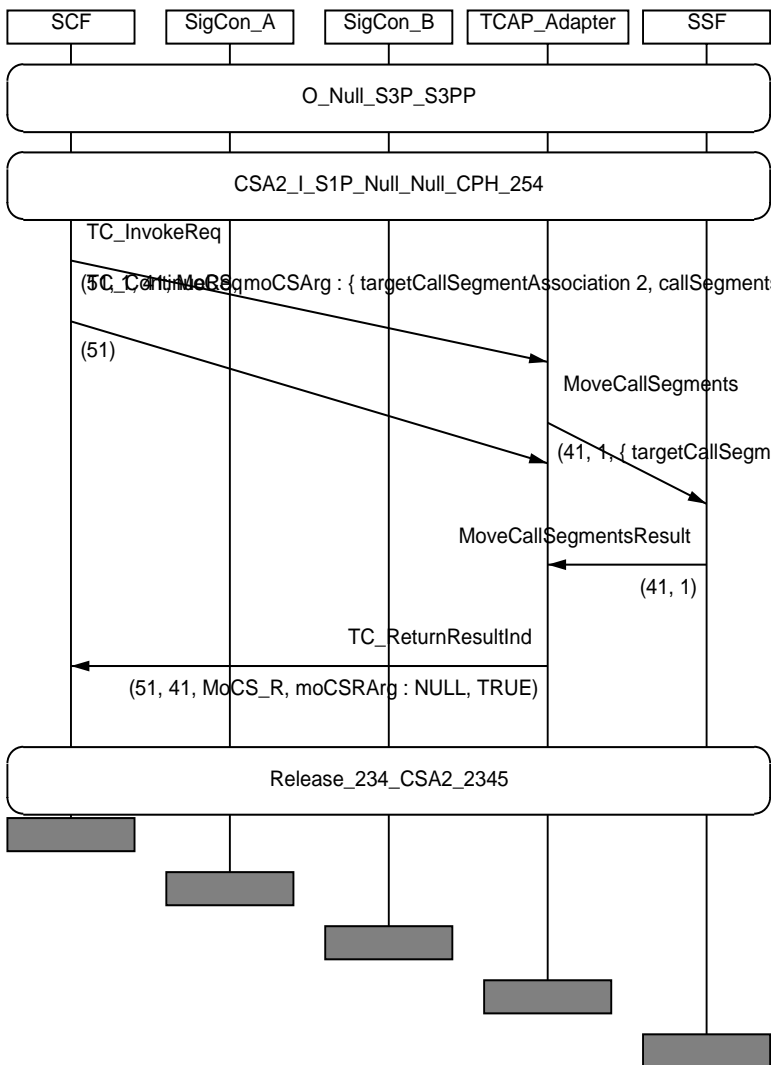
| IN3_A_CPH_MOCS_BV_16 | |
|-----------------------------|---|
| Work item no.: | ITEM_CPH_253 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF, having one CS in the target CSA, containing no joined or pending controlling leg (Stable_1_Party state), sends to the SCF a MoveCallSegments ReturnResult component after having received from the SCF a MoveCallSegments invoke component with one sourceCS, being in the Stable_Multi_Passive_Party state. |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25) |
| Selection Cond. | |
| Preamble: | O_null_S2P_S3PP CSA2_I_S1P_null_null |
| Test description | <pre> L1!MoveCallSegments({ targetCSA csalD2, callSegments { { sourceCS 3, newCS 2} }, legs { { sourceLeg 4, newLeg 5}, { sourceLeg 3, newLeg 4}, { sourceLeg 2, newLeg 3} } }) </pre> |
| Pass criteria | L1!MoveCallSegments ReturnResult |
| Postamble: | Release_15_CSA2_2345 |

MSC IN3_A_CPH_MOCS_BV_16



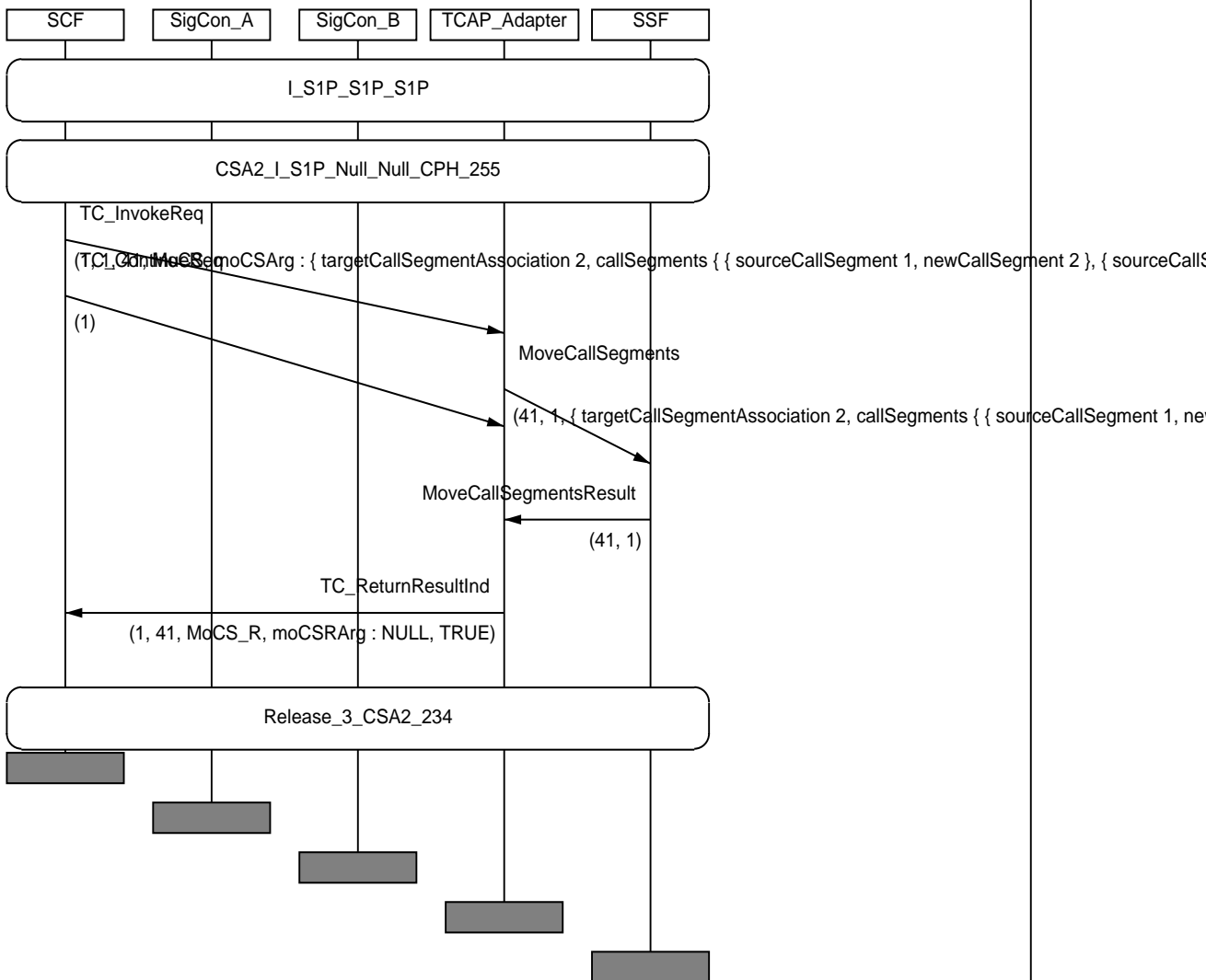
| IN3_A_CPH_MOCS_BV_17 | |
|-----------------------------|---|
| Work item no.: | ITEM_CPH_254 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF, having one CS in the target CSA, containing no joined or pending controlling leg (Stable_1_Party state), sends to the SCF a MoveCallSegments ReturnResult component after having received from the SCF a MoveCallSegments invoke component with one sourceCS, being in the Stable_Multi_Party state. |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25) |
| Selection Cond. | |
| Preamble: | O_null_S3P_S3PP CSA2_I_S1P_null_null |
| Test description | <pre> L1!MoveCallSegments({ targetCSA csalD2, callSegments { { sourceCS 2, newCS 2} }, legs { { sourceLeg 1, newLeg 3}, { sourceLeg 5, newLeg 4}, { sourceLeg 6, newLeg 5} } }) </pre> |
| Pass criteria | L1!MoveCallSegments ReturnResult |
| Postamble: | Release_234_CSA2_2345 |

MSC IN3_A_CPH_MOCS_BV_17



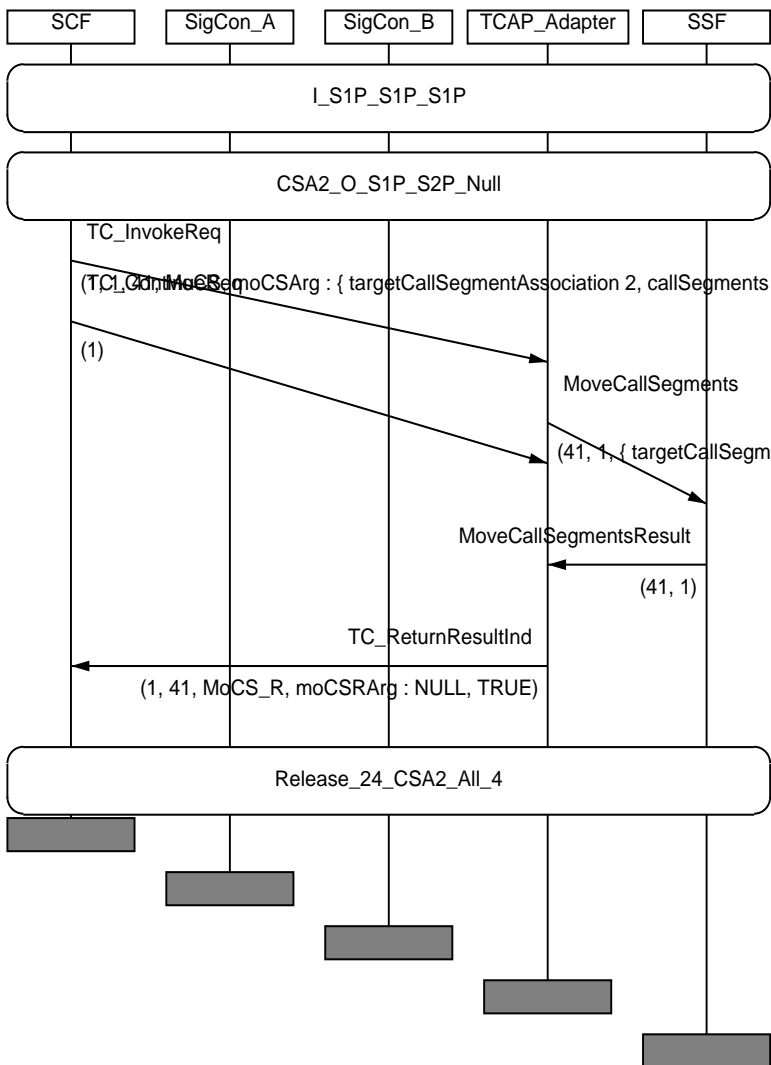
| IN3_A_CPH_MOCS_BV_18 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_255 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF, having one CS in the target CSA, containing no joined or pending controlling leg (Stable_1_Party state), sends to the SCF a MoveCallSegments ReturnResult component after having received from the SCF a MoveCallSegments invoke component with 2 sourceCSs, (Stable_1_Party state and Stable_1_Party state). |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25) |
| Selection Cond. | |
| Preamble: | I_S1P_S1P_S1P CSA2_I_S1P_null_null |
| Test description | L1!MoveCallSegments({ targetCSA csalD2, callSegments {{ sourceCS 1, newCS 2}, { sourceCS 3, newCS 3} }, legs {{ sourceLeg 2, newLeg 3}, { sourceLeg 4, newLeg 4} } }) |
| Pass criteria | L1!MoveCallSegments ReturnResult |
| Postamble: | Release_3_CSA2_234 |

MSC IN3_A_CPH_MOCS_BV_18

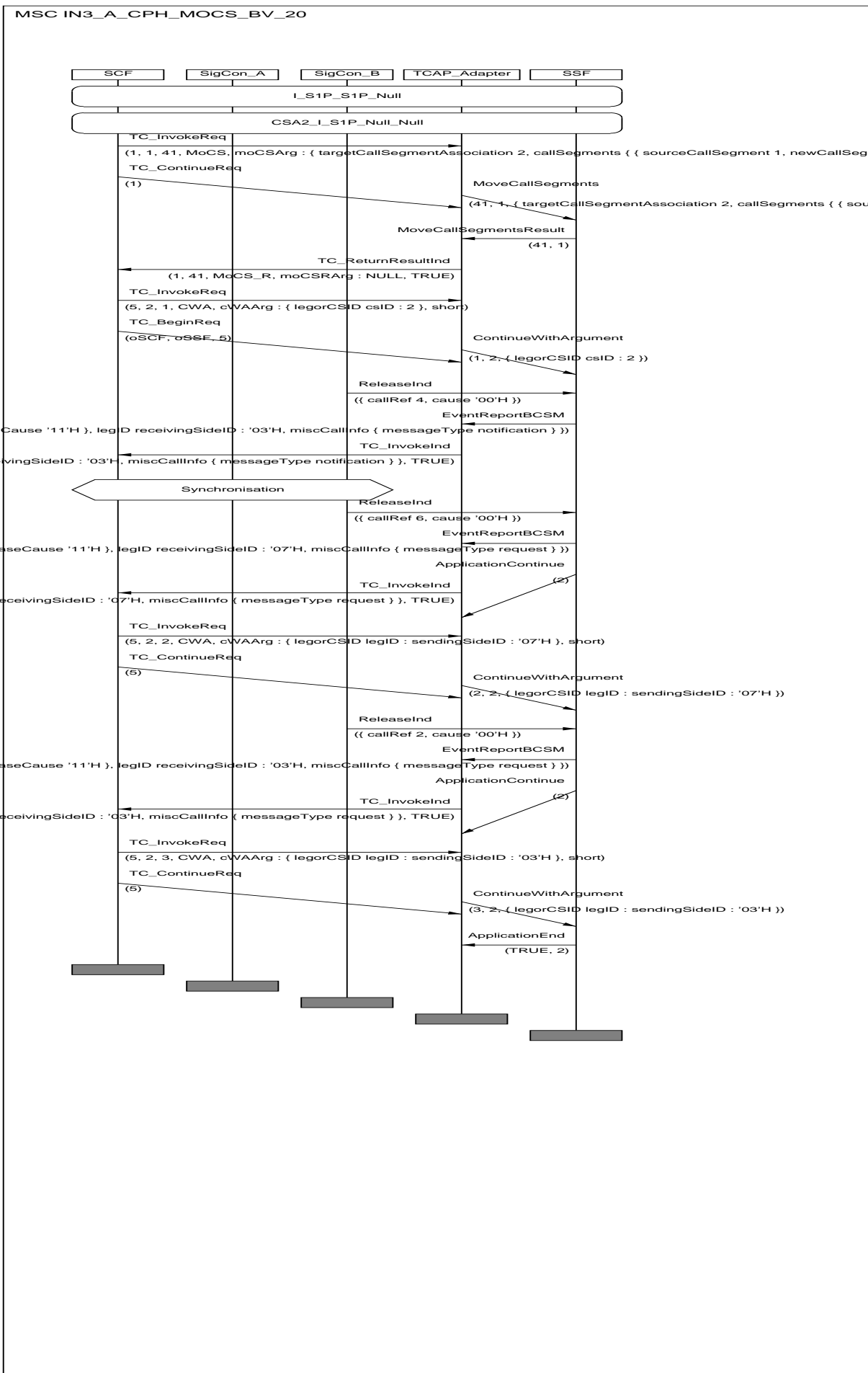


| IN3_A_CPH_MOCS_BV_19 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_256 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF, having 2 CSs in the target CSA (Stable_1_Party and Stable_2_Party), sends to the SCF a MoveCallSegments ReturnResult component after having received from the SCF a MoveCallSegments invoke component with one sourceCS, being in the Stable_1_Party state. |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25) |
| Selection Cond. | |
| Preamble: | I_S1P_S1P_S1P CSA2_O_S1P_S2P_null |
| Test description | L1!MoveCallSegments({ targetCSA csalD2, callSegments {{ sourceCS 2, newCS 3 }}, legs {{ sourceLeg 3, newLeg 4 } } }) |
| Pass criteria | L1!MoveCallSegments ReturnResult |
| Postamble: | Release_24_CSA2_All_4 |

MSC IN3_A_CPH_MOCS_BV_19



| IN3_A_CPH_MOCS_BV_20 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_257 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF keeps the event detection points armed on all legs (source CSA and target CSA) after performing the MoveCallSegments operation. |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25) |
| Selection Cond. | |
| Preamble: | I_S1P_S1P_null CSA2_I_S1P_null_null |
| Test description | <pre> L1!MoveCallSegments({ targetCSA csalD2, callSegments {{ sourceCS 1, newCS 2 }}, legs {{ sourceLeg 2, newLeg 3 } } }) L1!MoveCallSegments ReturnResult L2!ContinueWithArgument (csID = 2) CP2_2!ReleaseInd(Normal clearing) L1?EventReportBCSM(3,oDisconnect) CP2_3!ReleaseInd(Normal clearing) L2?EventReportBCSM(2,oDisconnect) L2!ContinueWithArgument(legID=2) CP2_1!ReleaseInd(Normal clearing) L2?EventReportBCSM(3,oDisconnect) L2!ContinueWithArgument(legID=3) </pre> |
| Pass criteria | 3 ERBs |
| Postamble: | None |

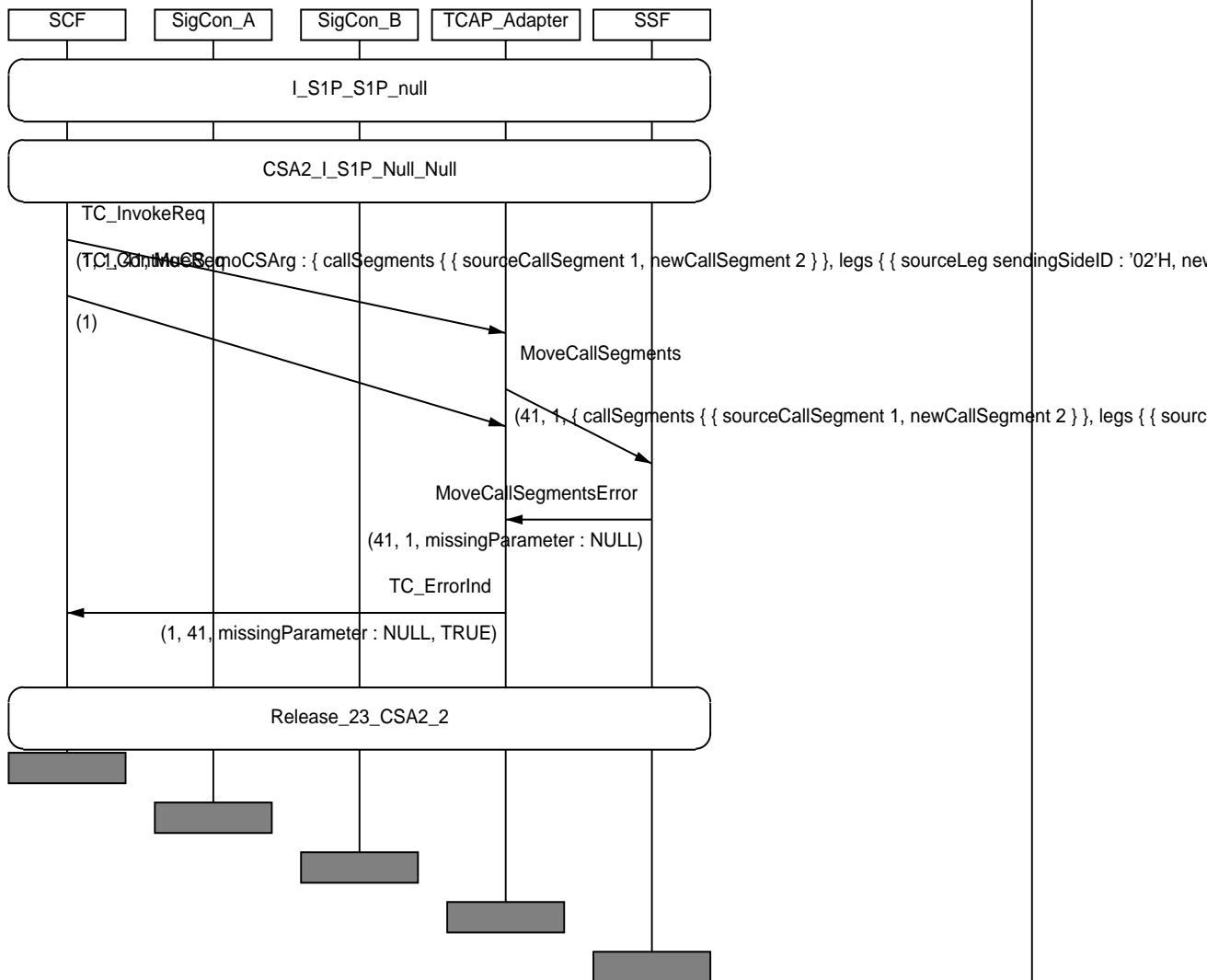


| IN3_A_CPH_MOCS_BV_21 | |
|-----------------------------|---|
| Work item no.: | ITEM_CPH_258 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF keeps all outstanding CallInformationReports requested for the legs of the source CSA and the target CSA, after the sourceCS has been moved into the target CSA. |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25) |
| Selection Cond. | |
| Preamble: | null |
| Test description | <pre> L1!InitiateCallAttempt(2,1) L1!RequestReportBCSMEEvent(2,interrupted,oDisconnect) L1!CallInformationRequest(2) L1!ContinueWithArgument(legID=2) CP1_2?SetUpReq CP1_2!SetUpConf L1!InitiateCallAttempt(3,2) L1!RequestReportBCSMEEvent(3,notifyAndContinue,oDisconnect) L1!CallInformationRequest(3) L1!ContinueWithArgument(legID=3) CP1_3?SetUpReq CP1_3!SetUpConf L2!CreateCallSegmentAssociation L2?CreateCallSegmentAssociation ReturnResult(csalD2) L2!InitiateCallAttempt(2,1) L2!RequestReportBCSMEEvent(2,interrupted,oDisconnect) L2!CallInformationRequest(2) L2!ContinueWithArgument(legID=2) CP2_2?SetUpReq CP2_2!SetUpConf L1!MoveCallSegments({ targetCSA csalD2, callSegments { { sourceCS 1, newCS 2 } }, legs { { sourceLeg 2, newLeg 3 } } }) L2!ContinueWithArgument(csID=2) CP1_3!ReleaseInd(Normal clearing) L1?EventReportBCSM(3,oDisconnect) L1?CallInformationReport(3) CP2_2!ReleaseInd(Normal clearing) L2?CallInformationReport(2) L2?EventReportBCSM(2,oDisconnect) L2!ContinueWithArgument(legID=2) CP2_3!ReleaseInd(Normal clearing) L2?CallInformationReport(3) L2?EventReportBCSM(3,oDisconnect) L2!ContinueWithArgument(legID=3) </pre> |
| Pass criteria | 3 pairs of ERB and CIRP received. ERB and CIRP for the same leg must appear in the indicated order. |
| Postamble: | None |

| IN3_A_CPH_MOCS_BV_22 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_259 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF keeps all outstanding ApplyChargingReports requested for the legs of the source CSA and the target CSA, after the sourceCS has been moved into the target CSA. |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25) |
| Selection Cond. | |
| Preamble: | null |
| Test description | <pre> L1!InitiateCallAttempt(2,1) L1!RequestReportBCSMEEvent(2,interrupted,oDisconnect) L1!ApplyChargingRequest(2) L1!ContinueWithArgument(legID=2) CP1_2?SetUpReq CP1_2!SetUpConf L1!InitiateCallAttempt(3,2) L1!RequestReportBCSMEEvent(3,notifyAndContinue,oDisconnect) L1!ApplyChargingRequest(3) L1!ContinueWithArgument(legID=3) CP1_3?SetUpReq CP1_3!SetUpConf L2!CreateCallSegmentAssociation L2?CreateCallSegmentAssociation ReturnResult(csID2) L2!InitiateCallAttempt(2,1) L2!RequestReportBCSMEEvent(2,interrupted,oDisconnect) L2!ApplyChargingRequest(2) L2!ContinueWithArgument(legID=2) CP2_2?SetUpReq CP2_2!SetUpConf L1!MoveCallSegments({ targetCSA csalD2, callSegments { { sourceCS 1, newCS 2 } }, legs { { sourceLeg 2, newLeg 3 } } }) L2!ContinueWithArgument(csID=2) CP1_3!ReleaseInd(Normal clearing) L1?EventReportBCSM(3,oDisconnect) L1?ApplyChargingReport(3) CP2_2!ReleaseInd(Normal clearing) L2?ApplyChargingReport(2) L2?EventReportBCSM(2,oDisconnect) L2!ContinueWithArgument(legID=2) CP2_3!ReleaseInd(Normal clearing) L2?ApplyChargingReport(3) L2?EventReportBCSM(3,oDisconnect) L2!ContinueWithArgument(legID=3) </pre> |
| Pass criteria | 3 ERBs and CIRPs (ERB and CIRP for the same leg may appear in any order). |
| Postamble: | None |

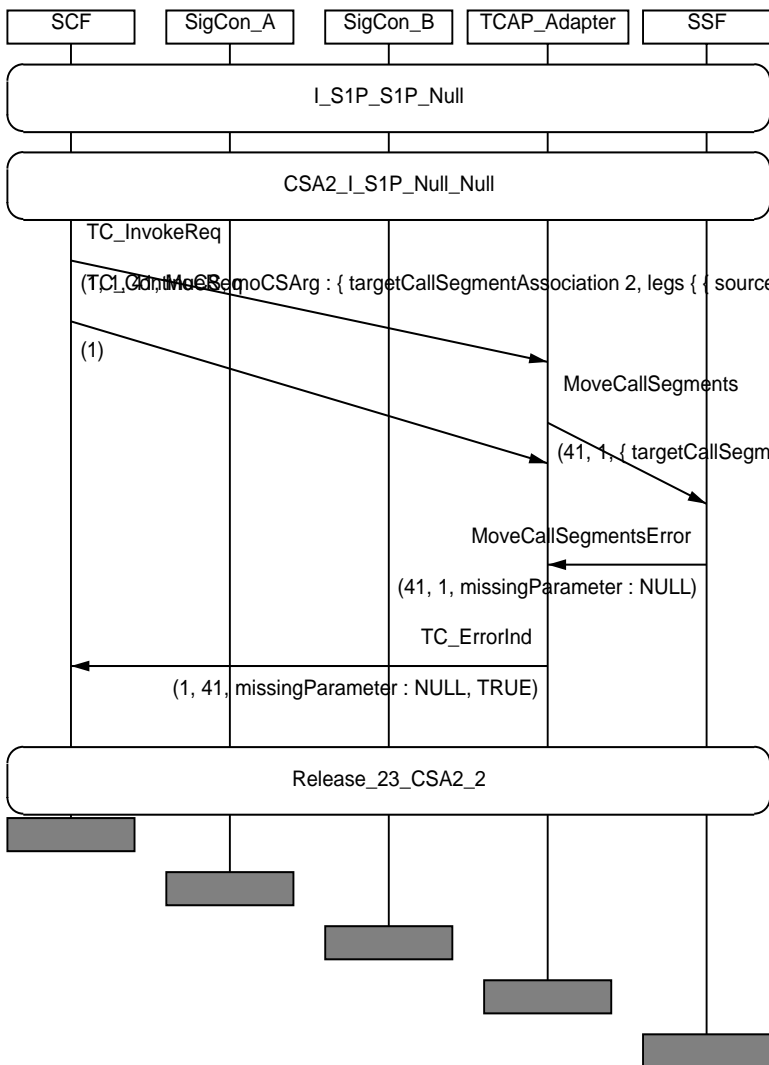
| IN3_A_CPH_MOCS_BI_01 | |
|-----------------------------|---|
| Work item no.: | ITEM_CPH_266 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends to the SCF a MoveCallSegments ReturnError component (missingParameter) after having received from the SCF a MoveCallSegments invoke component without the targetCallSegmentAssociation parameter. |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25), 11.30.3.2, 13.1.10.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | I_S1P_S1P_null CSA2_I_S1P_null_null |
| Test description | <pre> L1!MoveCallSegments({ targetCSA -, callSegments {{ sourceCS 1, newCS 2 }}, legs {{ sourceLeg 2, newLeg 3 } } }) </pre> |
| Pass criteria | L1!MoveCallSegments ReturnError(missingParameter) |
| Postamble: | Release_23_CSA2_2 |

MSC IN3_A_CPH_MOCS_BI_01



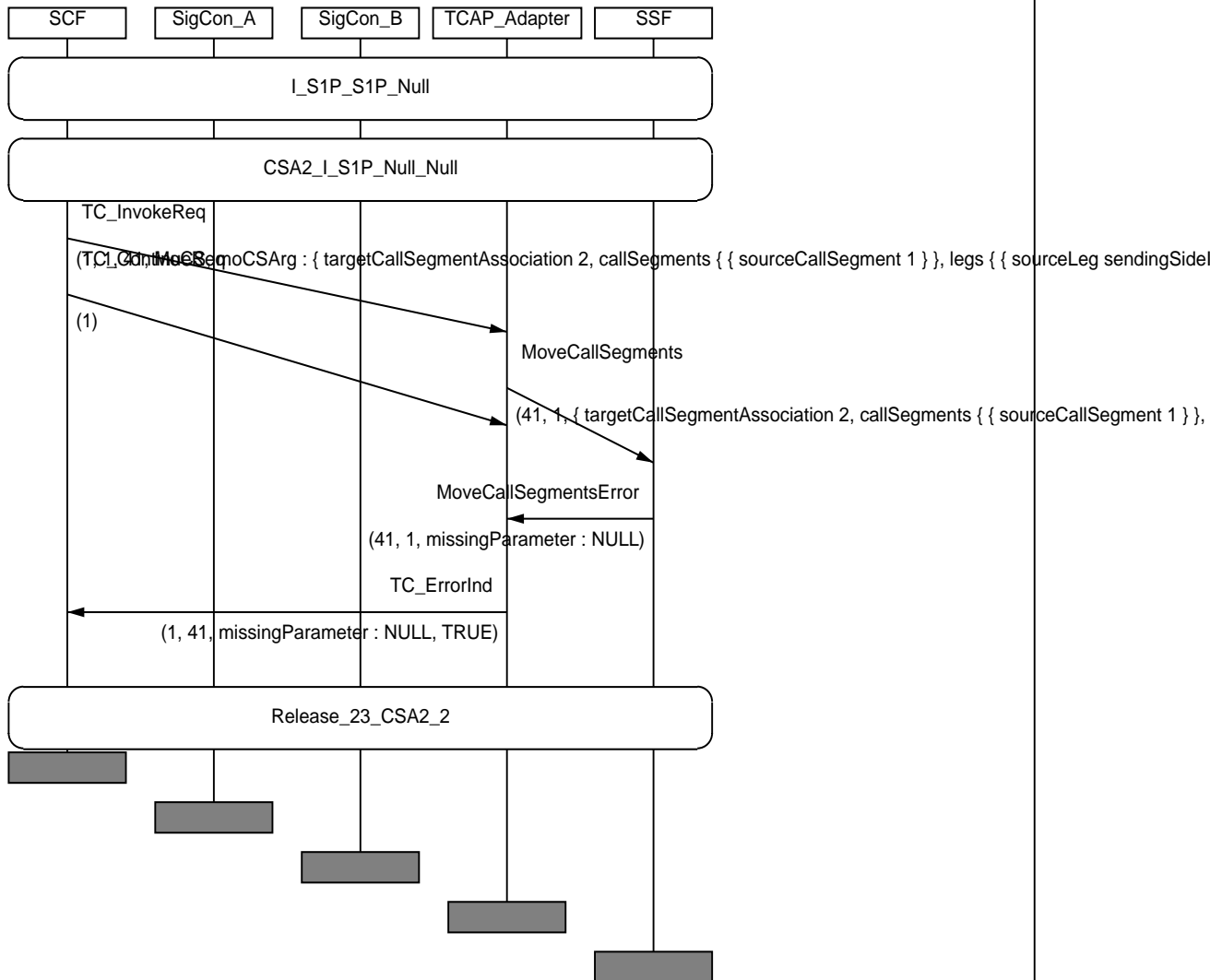
| IN3_A_CPH_MOCS_BI_02 | |
|-----------------------------|---|
| Work item no.: | ITEM_CPH_267 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends to the SCF a MoveCallSegments ReturnError component (missingParameter) after having received from the SCF a MoveCallSegments invoke component without the callSegments parameter. |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25), 11.30.3.2, 13.1.10.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | I_S1P_S1P_null CSA2_I_S1P_null_null |
| Test description | <pre> L1!MoveCallSegments({ targetCSA csalD2, callSegments -, legs {{ sourceLeg 2, newLeg 3 } } }) </pre> |
| Pass criteria | L1!MoveCallSegments ReturnError(missingParameter) |
| Postamble: | Release_23_CSA2_2 |

MSC IN3_A_CPH_MOCS_BI_02



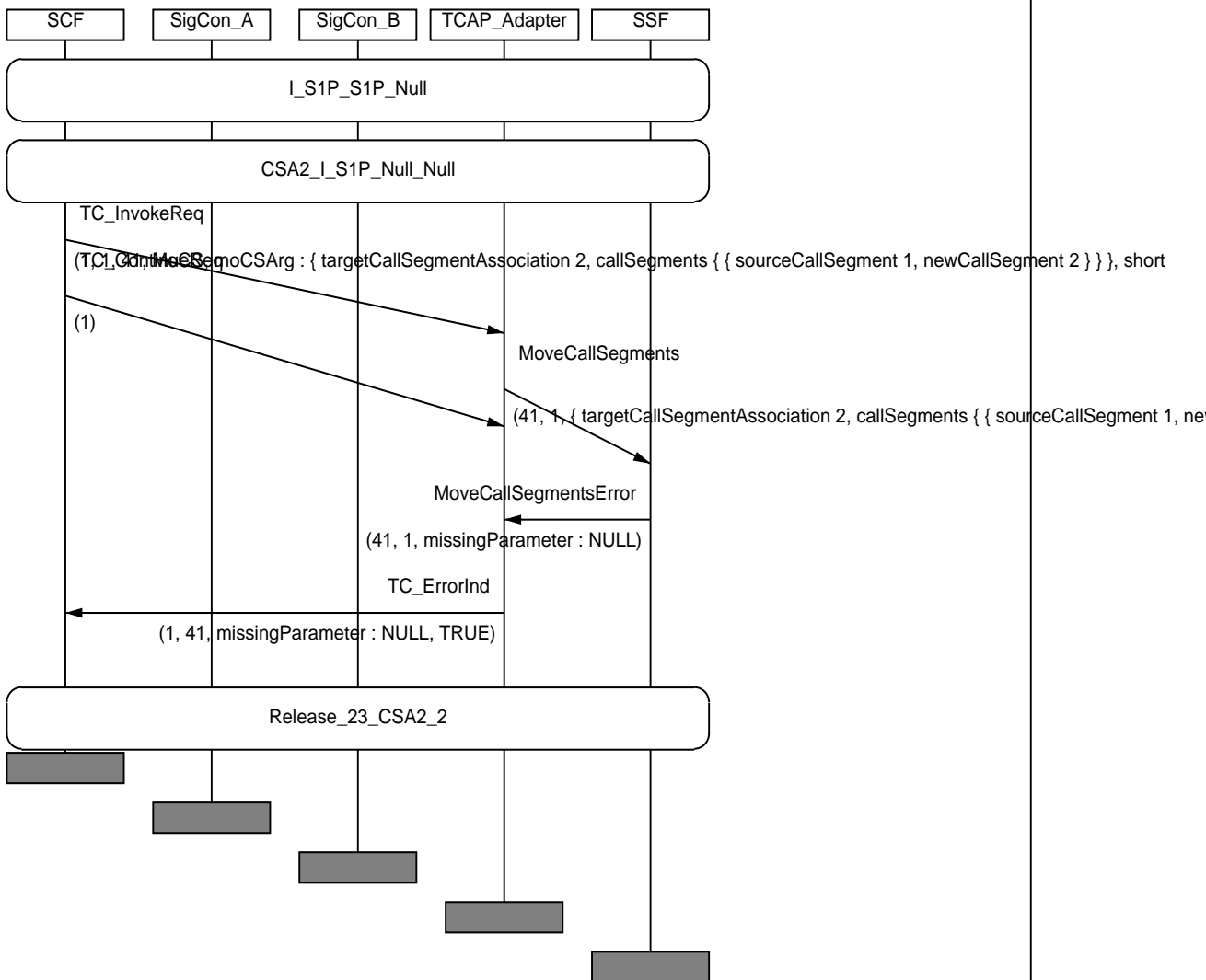
| IN3_A_CPH_MOCS_BI_03 | |
|-----------------------------|---|
| Work item no.: | ITEM_CPH_268 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends to the SCF a MoveCallSegments ReturnError component (missingParameter) after having received from the SCF a MoveCallSegments invoke component without the newCallSegment parameter. |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25), 11.30.3.2, 13.1.10.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | I_S1P_S1P_null CSA2_I_S1P_null_null |
| Test description | <pre> L1!MoveCallSegments({ targetCSA csalD2, callSegments {{ sourceCS 1, newCS - } }, legs {{ sourceLeg 2, newLeg 3 } } }) </pre> |
| Pass criteria | L1!MoveCallSegments ReturnError(missingParameter) |
| Postamble: | Release_23_CSA2_2 |

MSC IN3_A_CPH_MOCS_BI_03



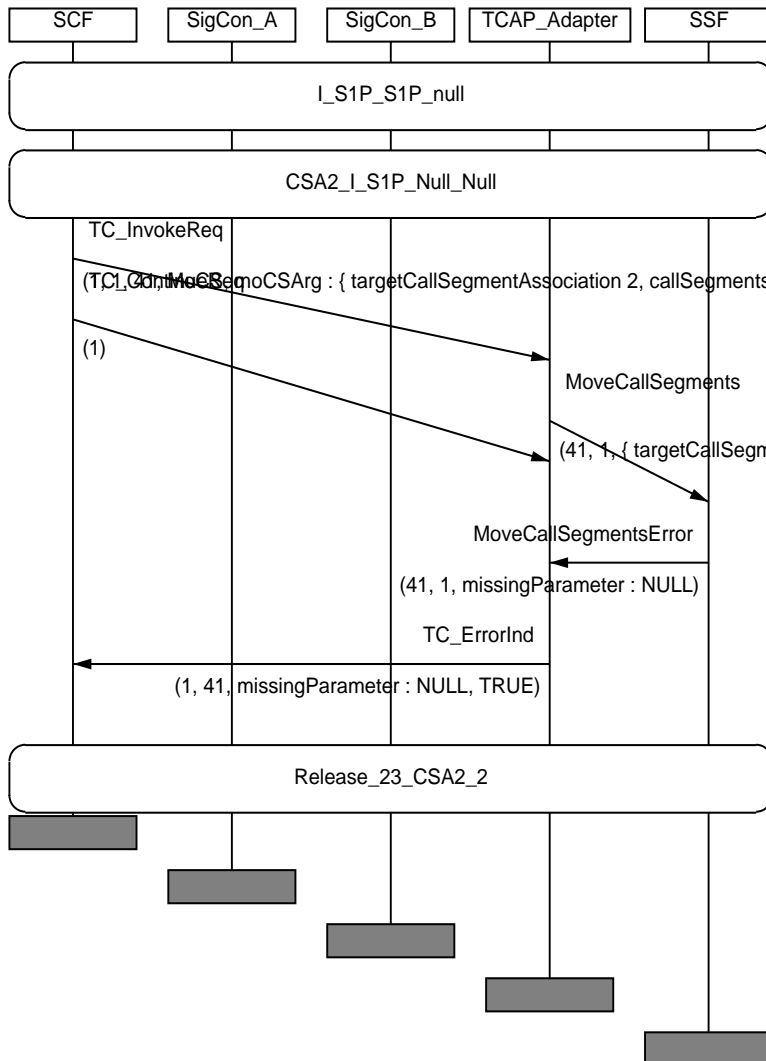
| IN3_A_CPH_MOCS_BI_04 | |
|-----------------------------|---|
| Work item no.: | ITEM_CPH_269 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends to the SCF a MoveCallSegments ReturnError component (missingParameter) after having received from the SCF a MoveCallSegments invoke component without the legs parameter. |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25), 11.30.3.2, 13.1.10.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | I_S1P_S1P_null CSA2_I_S1P_null_null |
| Test description | <pre> L1!MoveCallSegments({ targetCSA csalD2, callSegments {{ sourceCS 1, newCS 2 }}, legs - }) </pre> |
| Pass criteria | L1!MoveCallSegments ReturnError(missingParameter) |
| Postamble: | Release_23_CSA2_2 |

MSC IN3_A_CPH_MOCS_BI_04



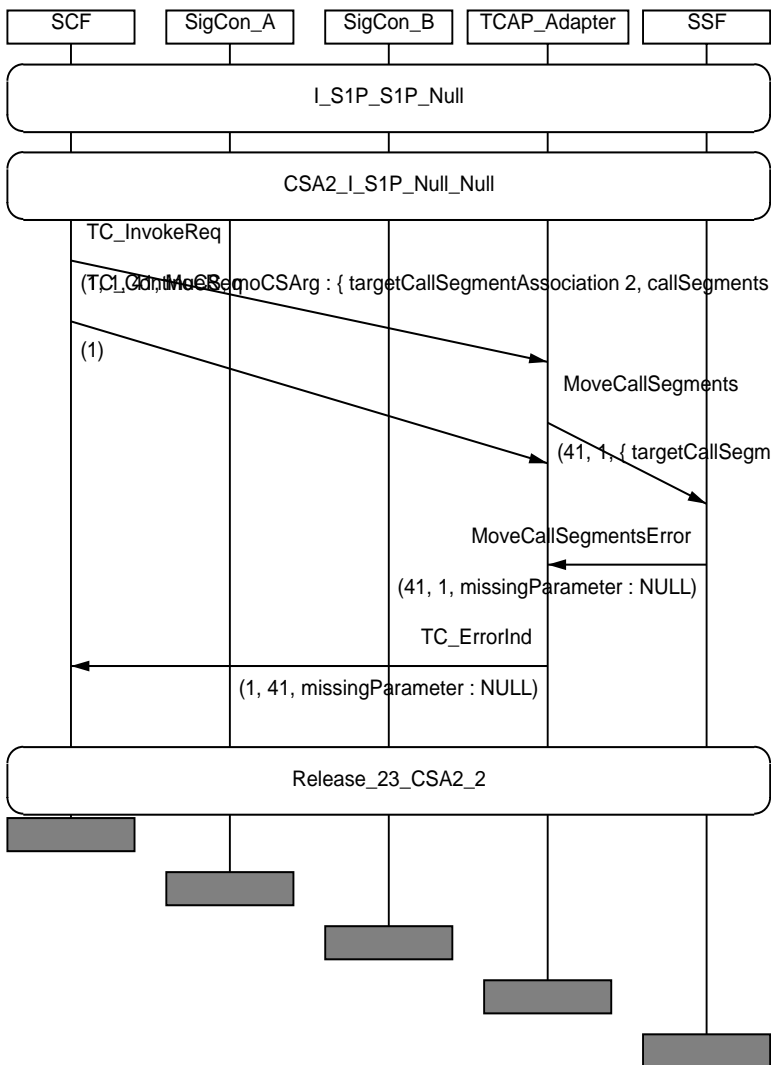
| IN3_A_CPH_MOCS_BI_05 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_270 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends to the SCF a MoveCallSegments ReturnError component (missingParameter) after having received from the SCF a MoveCallSegments invoke component without the sourceLeg parameter. |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25), 11.30.3.2, 13.1.10.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | I_S1P_S1P_null CSA2_I_S1P_null_null |
| Test description | <pre> L1!MoveCallSegments({ targetCSA csalD2, callSegments {{ sourceCS 1, newCS 2 }}, legs {{ sourceLeg -, newLeg 3 } } }) </pre> |
| Pass criteria | L1!MoveCallSegments ReturnError(missingParameter) |
| Postamble: | Release_23_CSA2_2 |

MSC IN3_A_CPH_MOCS_BI_05



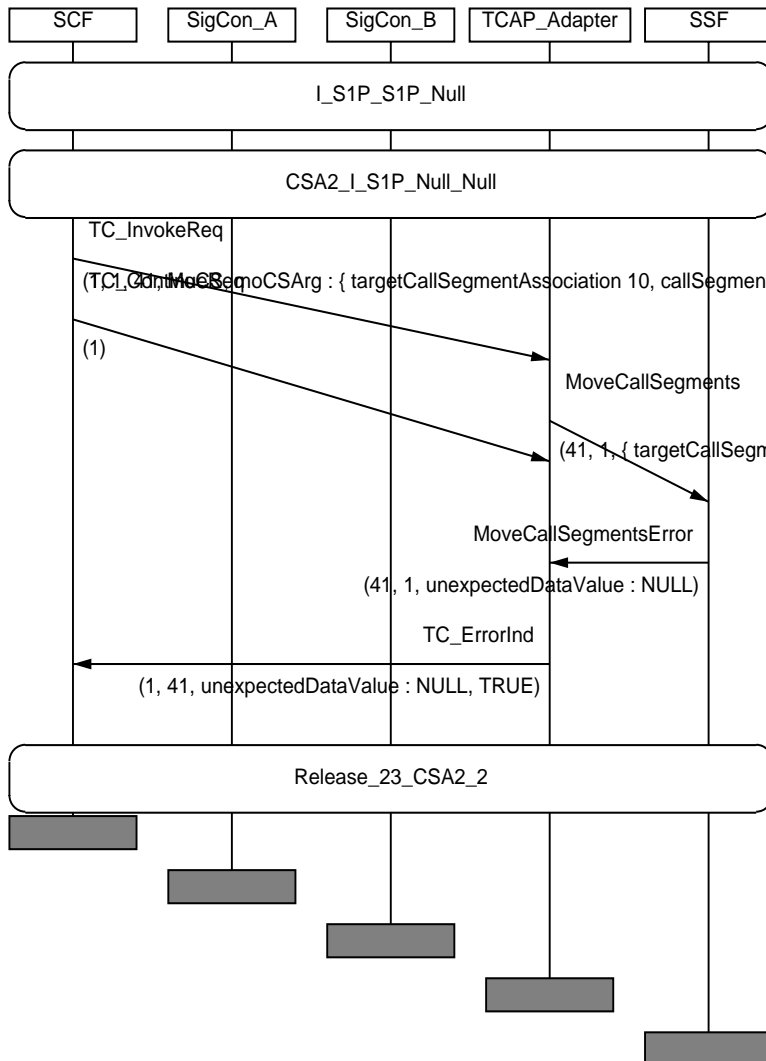
| IN3_A_CPH_MOCS_BI_06 | |
|-----------------------------|---|
| Work item no.: | ITEM_CPH_271 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends to the SCF a MoveCallSegments ReturnError component (missingParameter) after having received from the SCF a MoveCallSegments invoke component without the newLeg parameter. |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25), 11.30.3.2, 13.1.10.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | I_S1P_S1P_null CSA2_I_S1P_null_null |
| Test description | <pre> L1!MoveCallSegments({ targetCSA csalD2, callSegments {{ sourceCS 1, newCS 2 }}, legs {{ sourceLeg 2, newLeg -} } }) </pre> |
| Pass criteria | L1!MoveCallSegments ReturnError(missingParameter) |
| Postamble: | Release_23_CSA2_2 |

MSC IN3_A_CPH_MOCS_BI_06



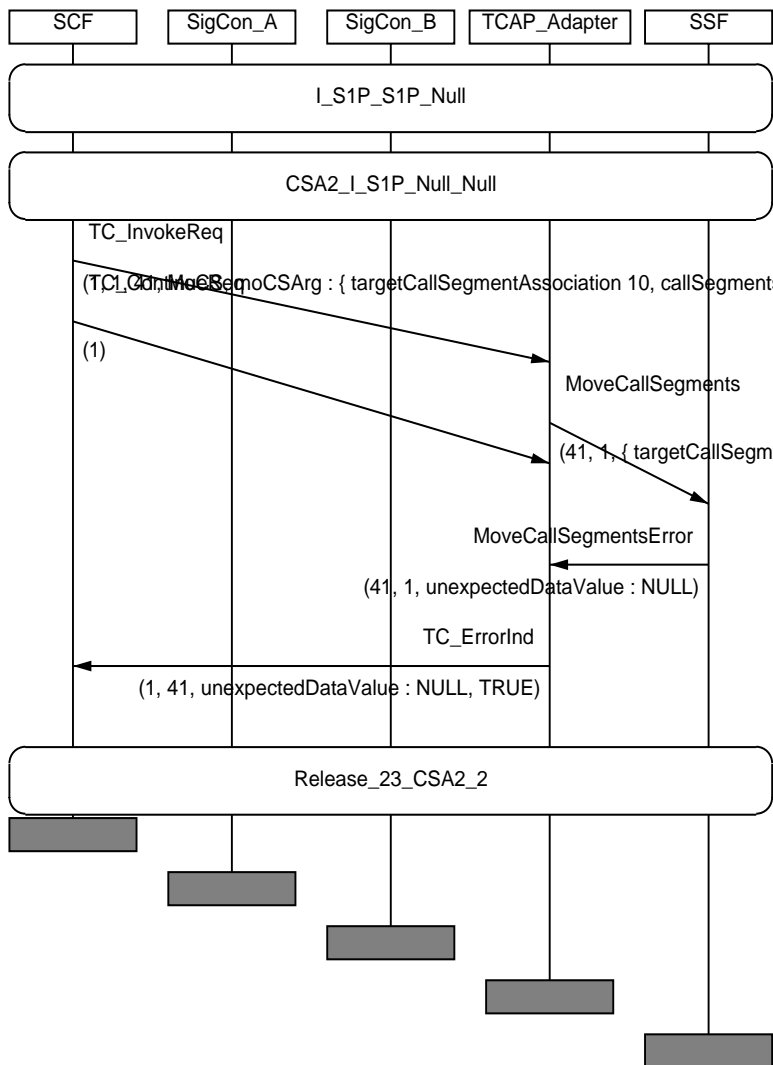
| IN3_A_CPH_MOCS_BI_07 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_272 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends to the SCF a MoveCallSegments ReturnError component (unexpectedDataValue) after having received from the SCF a MoveCallSegments invoke component with the targetCallSegmentAssociation parameter value not being equal to the csalD of an existing CSA in the SSF. |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25), 11.30.3.2, 13.1.10.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | I_S1P_S1P_null CSA2_I_S1P_null_null |
| Test description | <pre> L1!MoveCallSegments({ targetCSA invaliCsalD, callSegments {{ sourceCS 1, newCS 2 }}, legs {{ sourceLeg 2, newLeg 3 } } }) </pre> |
| Pass criteria | L1!MoveCallSegments ReturnError(unexpectedDataValue) |
| Postamble: | Release_23_CSA2_2 |

MSC IN3_A_CPH_MOCS_BI_07



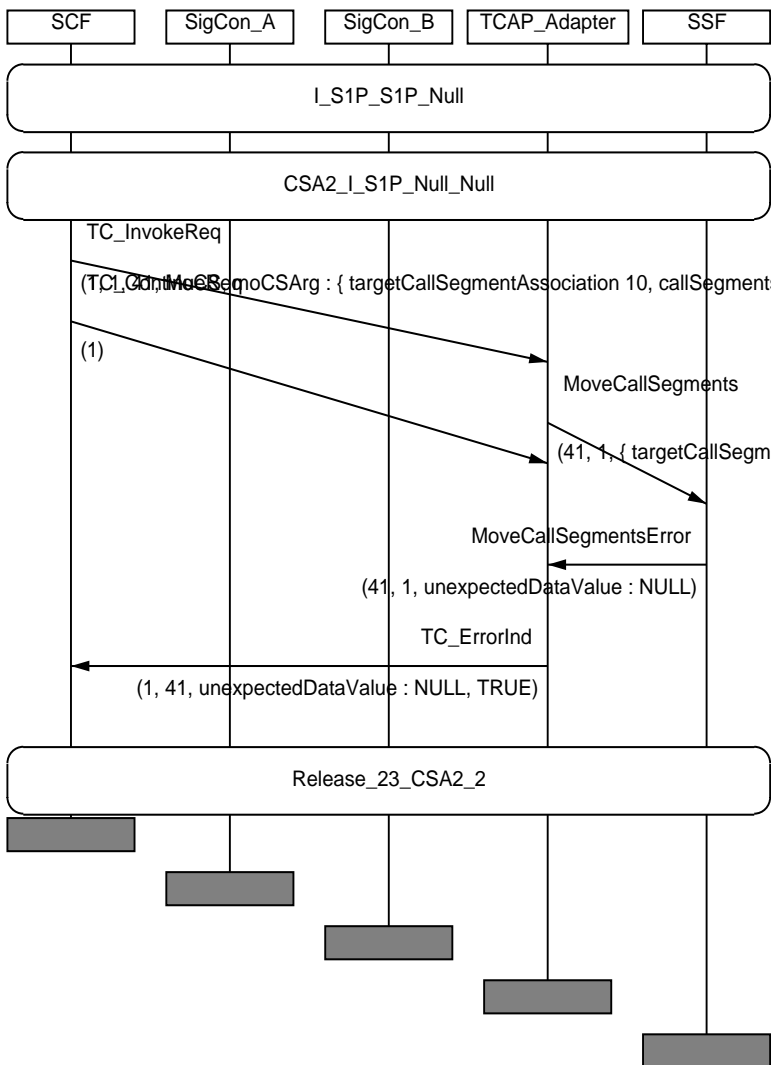
| IN3_A_CPH_MOCS_BI_08 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_273 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends to the SCF a MoveCallSegments ReturnError component (unexpectedDataValue) after having received from the SCF a MoveCallSegments invoke component with the sourceCallSegment parameter value not being equal to the csID of any CS in the source CSA. |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25), 11.30.3.2, 13.1.10.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | I_S1P_S1P_null CSA2_I_S1P_null_null |
| Test description | <pre> L1!MoveCallSegments({ targetCSA invaliCsaID, callSegments {{ sourceCS 3, newCS 2 }}, legs {{ sourceLeg 2, newLeg 3 } } }) </pre> |
| Pass criteria | L1!MoveCallSegments ReturnError(unexpectedDataValue) |
| Postamble: | Release_23_CSA2_2 |

MSC IN3_A_CPH_MOCS_BI_08



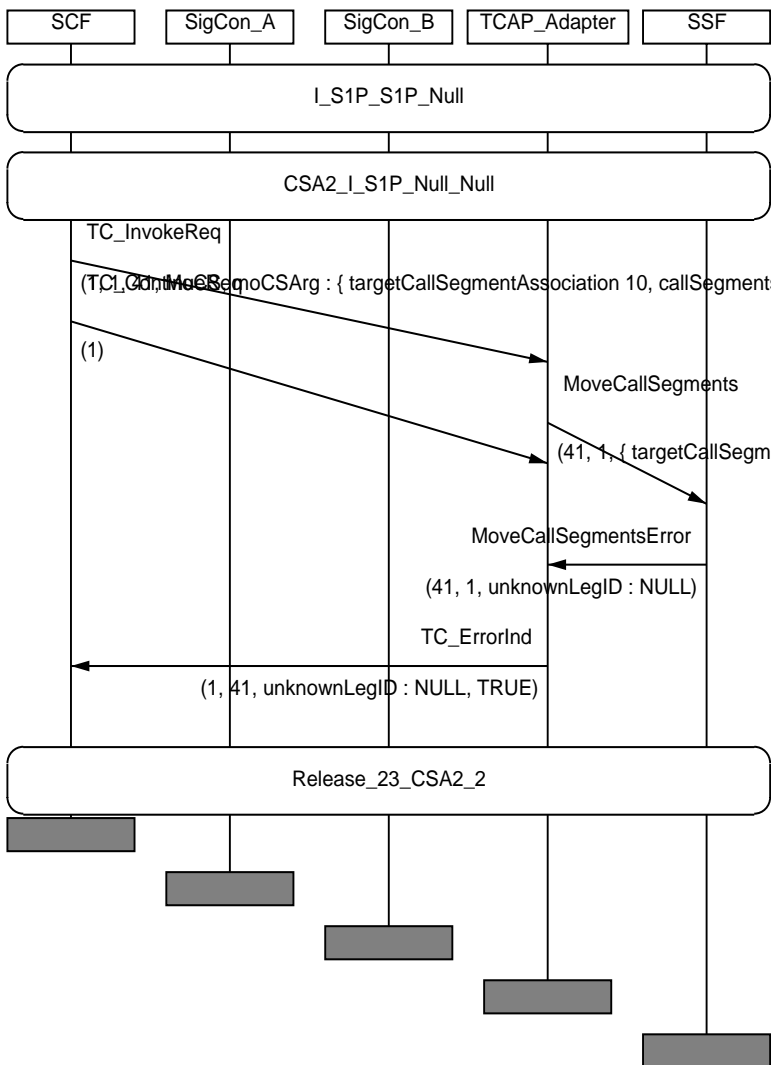
| IN3_A_CPH_MOCS_BI_09 | |
|-----------------------------|---|
| Work item no.: | ITEM_CPH_274 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends to the SCF a MoveCallSegments ReturnError component (unexpectedDataValue) after having received from the SCF a MoveCallSegments invoke component with the newCallSegment parameter value being equal to the csID of an existing CS in the target CSA. |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25), 11.30.3.2, 13.1.10.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | I_S1P_S1P_null CSA2_I_S1P_null_null |
| Test description | <pre> L1!MoveCallSegments({ targetCSA invaliCsaID, callSegments {{ sourceCS 1, newCS 1 }}, legs {{ sourceLeg 2, newLeg 3 } } }) </pre> |
| Pass criteria | L1!MoveCallSegments ReturnError(unexpectedDataValue) |
| Postamble: | Release_23_CSA2_2 |

MSC IN3_A_CPH_MOCS_BI_09



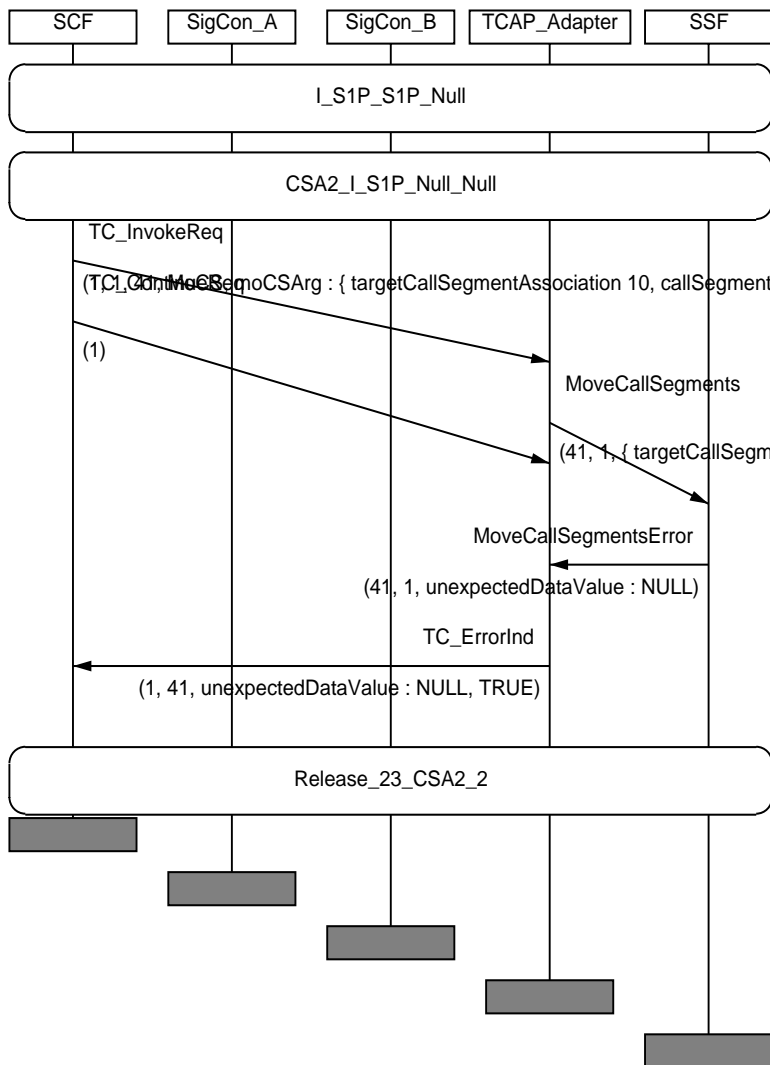
| IN3_A_CPH_MOCS_BI_10 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_275 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends to the SCF a MoveCallSegments ReturnError component (unknownLegID) after having received from the SCF a MoveCallSegments invoke component with the sourceLeg parameter value not being equal to the legID of any leg in any source CS to be moved. |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25), 11.30.3.2, 13.1.10.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | I_S1P_S1P_null CSA2_I_S1P_null_null |
| Test description | <pre> L1!MoveCallSegments({ targetCSA invaliCsaID, callSegments {{ sourceCS 1, newCS 2 }}, legs {{ sourceLeg 1, newLeg 3 } } }) </pre> |
| Pass criteria | L1!MoveCallSegments ReturnError(unknownLegID) |
| Postamble: | Release_23_CSA2_2 |

MSC IN3_A_CPH_MOCS_BI_10



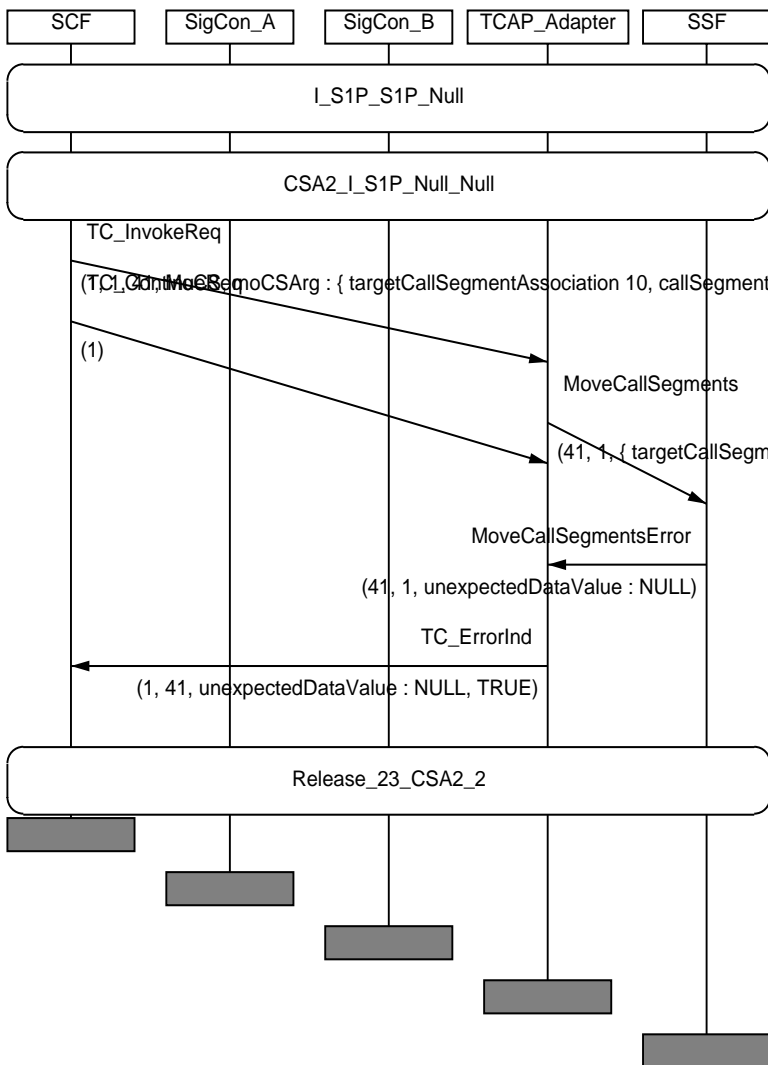
| IN3_A_CPH_MOCS_BI_11 | |
|-----------------------------|---|
| Work item no.: | ITEM_CPH_276 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends to the SCF a MoveCallSegments ReturnError component (unexpectedDataValue) after having received from the SCF a MoveCallSegments invoke component with the newLeg parameter value being equal to the legID of an existing leg in the target CSA. |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25), 11.30.3.2, 13.1.10.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | I_S1P_S1P_null CSA2_I_S1P_null_null |
| Test description | <pre> L1!MoveCallSegments({ targetCSA invaliCsaID, callSegments {{ sourceCS 1, newCS 2 }}, legs {{ sourceLeg 2, newLeg 2 } } }) </pre> |
| Pass criteria | L1!MoveCallSegments ReturnError(unexpectedDataValue) |
| Postamble: | Release_23_CSA2_2 |

MSC IN3_A_CPH_MOCS_BI_11



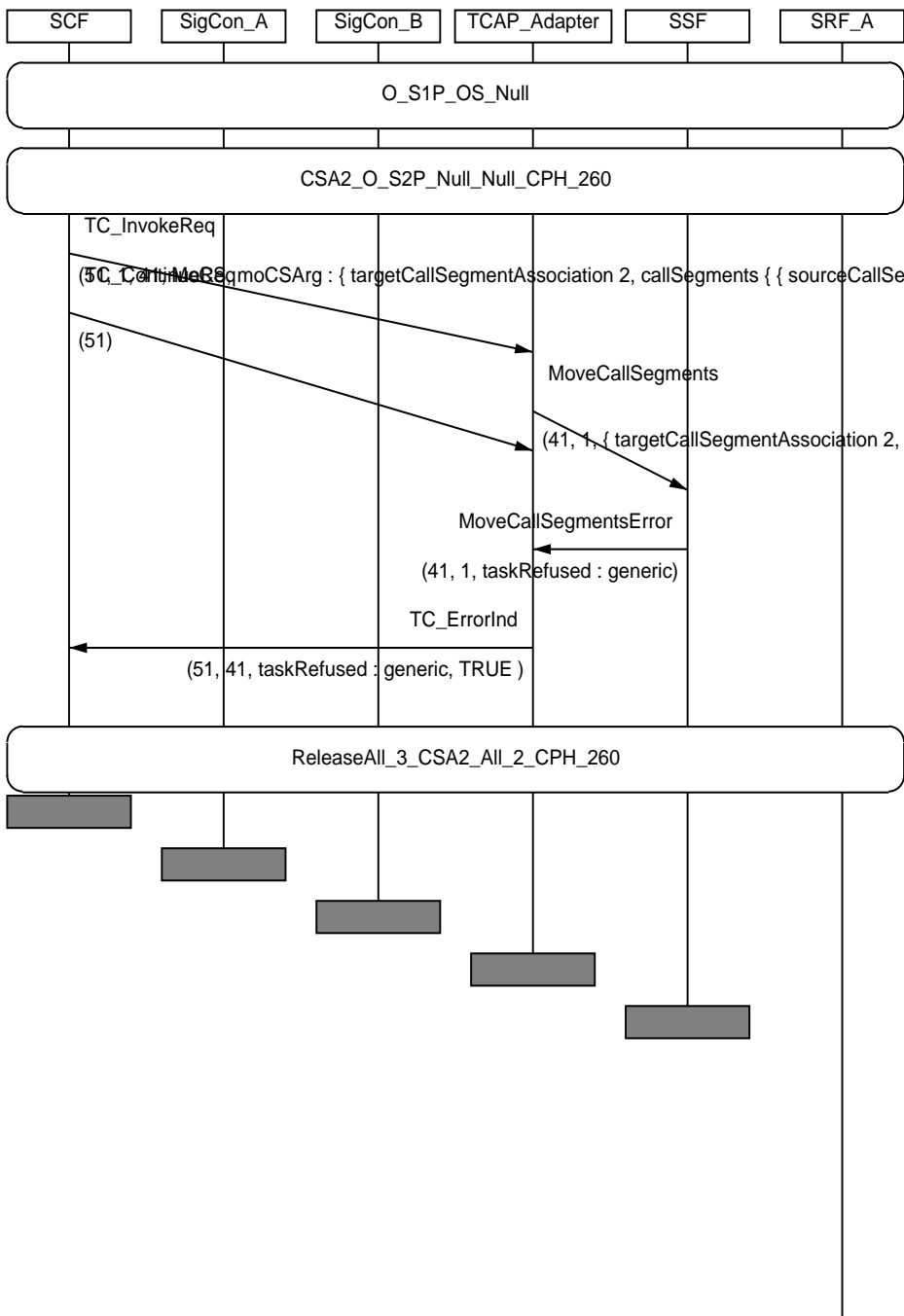
| IN3_A_CPH_MOCS_BI_12 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_277 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends to the SCF a MoveCallSegments ReturnError component (unexpectedDataValue) after having received from the SCF a MoveCallSegments invoke component with the sourceCallSegment parameter value appearing twice with the same (valid) value. |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25), 11.30.3.2, 13.1.10.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | I_S1P_S1P_null CSA2_I_S1P_null_null |
| Test description | <pre> L1!MoveCallSegments({ targetCSA invaliCsaID, callSegments {{ sourceCS 1, newCS 2}, { sourceCS 1, newCS 3} }, legs {{ sourceLeg 2, newLeg 3}, { sourceLeg 3, newLeg 4} } }) </pre> |
| Pass criteria | L1!MoveCallSegments ReturnError(unexpectedDataValue) |
| Postamble: | Release_23_CSA2_2 |

MSC IN3_A_CPH_MOCS_BI_12



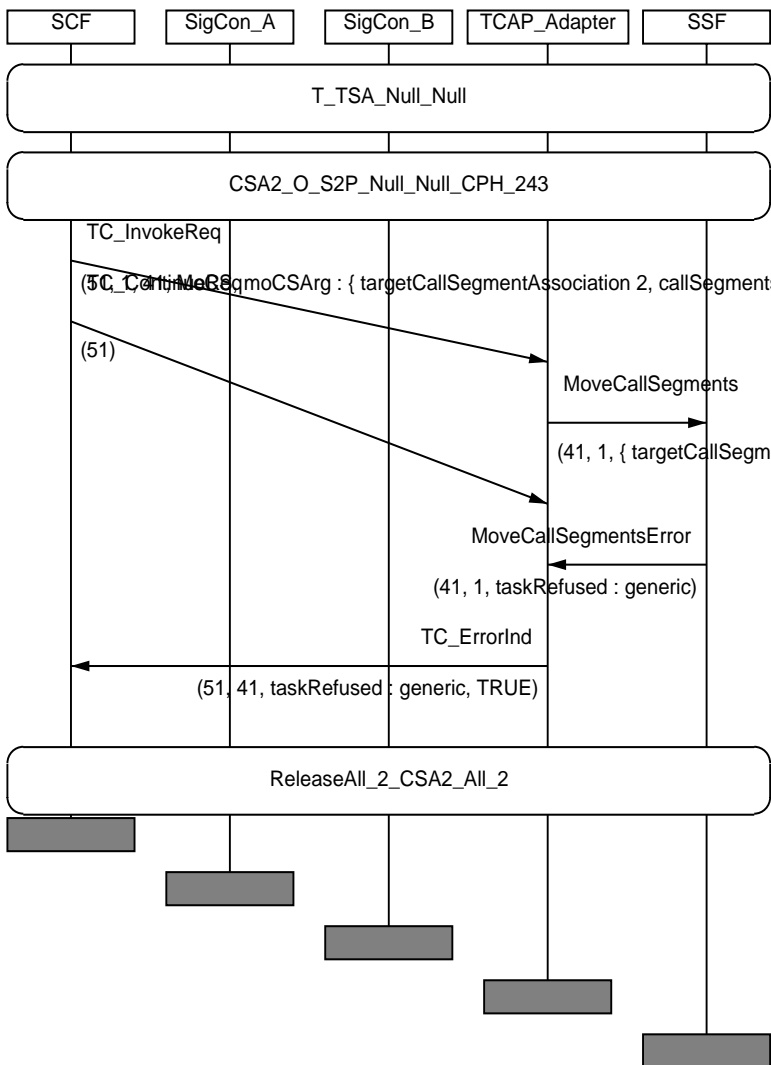
| IN3_A_CPH_MOCS_BO_01 | |
|-----------------------------|---|
| Work item no.: | ITEM_CPH_260 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends to the SCF a MoveCallSegments ReturnError component (taskRefused) after having received from the SCF a MoveCallSegments invoke component, when the target CSA contains a CS with a joined controlling leg (Stable_2_Party state) and the source CS is in the Originating_Setup state. |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25), 11.30.3.2, 13.1.10.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | O_S1P_OS_null CSA2_O_S2P_null_null |
| Test description | <pre> L1!MoveCallSegments({ targetCSA csalD2, callSegments {{ sourceCS 2, newCS 2 }}, legs {{ sourceLeg 1, newLeg 3}, { sourceLeg 3, newLeg 4} } }) </pre> |
| Pass criteria | L1!MoveCallSegments ReturnError(taskRefused) |
| Postamble: | ReleaseAll_3_CSA2_All_2_CPH_260 |

MSC IN3_A_CPH_MOCS_BO_01



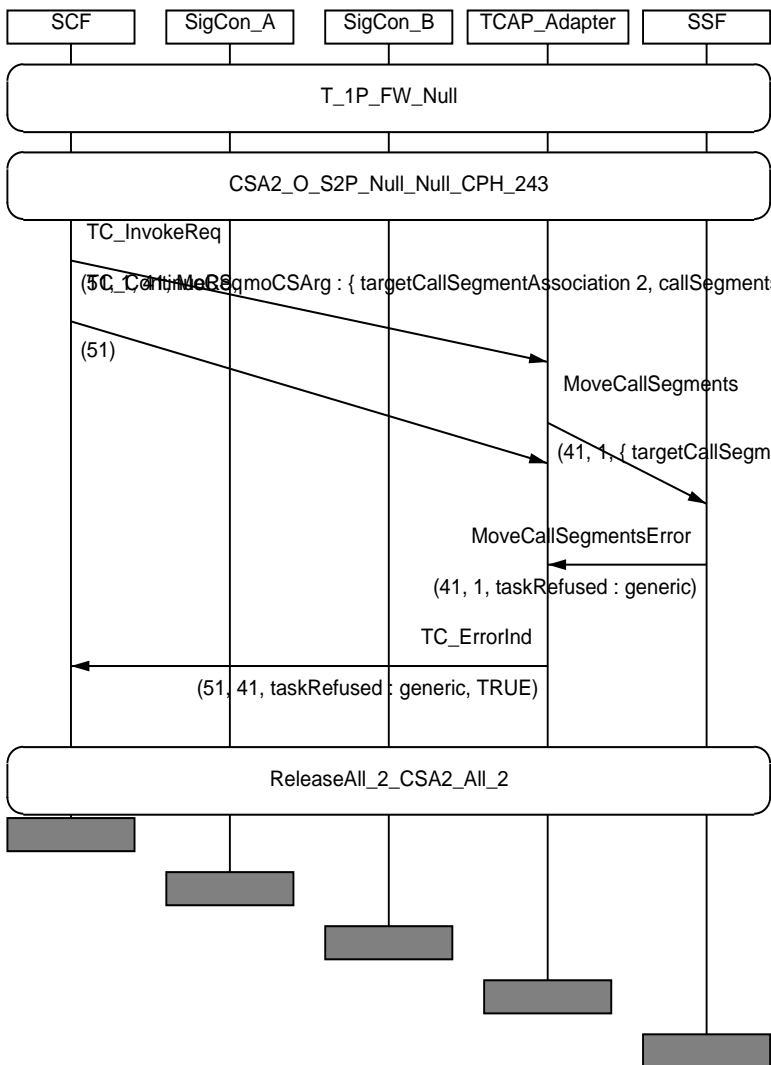
| IN3_A_CPH_MOCS_BO_02 | |
|-----------------------------|---|
| Work item no.: | ITEM_CPH_261 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends to the SCF a MoveCallSegments ReturnError component (taskRefused) after having received from the SCF a MoveCallSegments invoke component, when the target CSA contains a CS with a joined controlling leg (Stable_2_Party state) and the source CS is in the Terminating_Setup state (call not being suspended in a state-compatible DP). |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25), 11.30.3.2, 13.1.10.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | T_TSA_null_null CSA2_O_S2P_null_null |
| Test description | <pre> L1!MoveCallSegments({ targetCSA csalD2, callSegments {{ sourceCS 1, newCS 2 }}, legs {{ sourceLeg 1, newLeg 3}, { sourceLeg 2, newLeg 3} } }) </pre> |
| Pass criteria | L1!MoveCallSegments ReturnError(taskRefused) |
| Postamble: | ReleaseAll_2_CSA2_All_2 |

MSC IN3_A_CPH_MOCS_BO_02



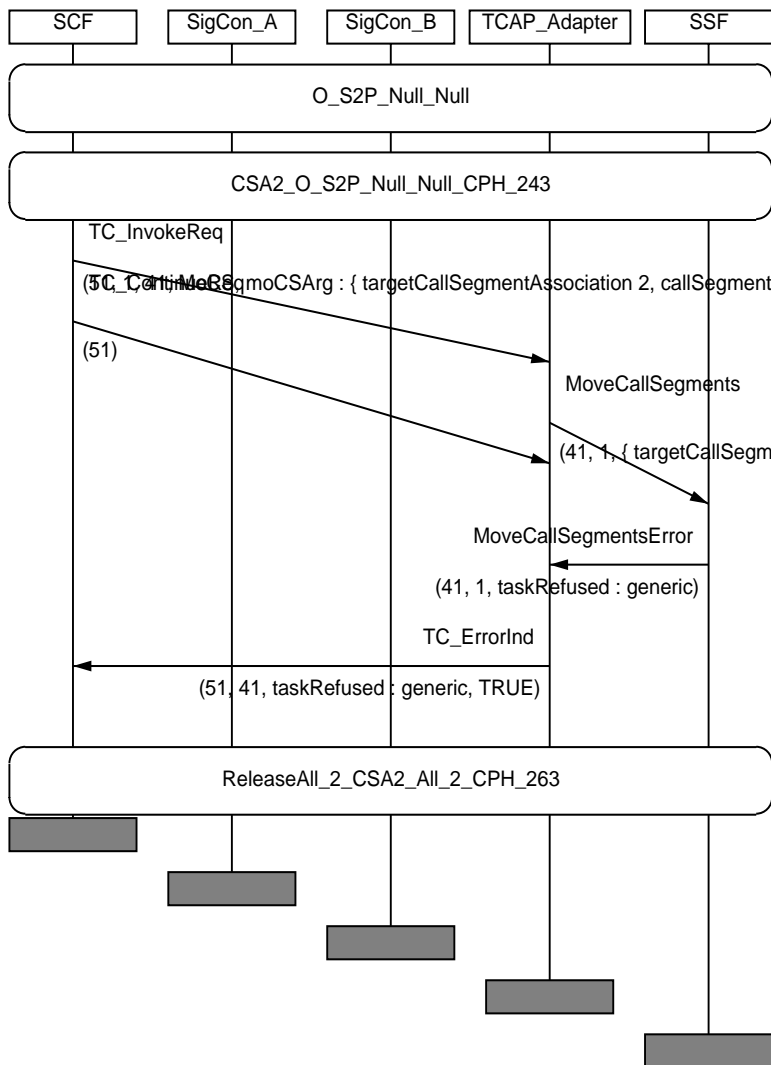
| IN3_A_CPH_MOCS_BO_03 | |
|-----------------------------|---|
| Work item no.: | ITEM_CPH_262 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends to the SCF a MoveCallSegments ReturnError component (taskRefused) after having received from the SCF a MoveCallSegments invoke component, when the target CSA contains a CS with a joined controlling leg (Stable_2_Party state) and the source CS is in the 1_Party state. |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25), 11.30.3.2, 13.1.10.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | T_1P_FW_null CSA2_O_S2P_null_null |
| Test description | <pre> L1!MoveCallSegments({ targetCSA csalD2, callSegments {{ sourceCS 1, newCS 2 }}, legs {{ sourceLeg 2, newLeg 3 } } }) </pre> |
| Pass criteria | L1!MoveCallSegments ReturnError(taskRefused) |
| Postamble: | ReleaseAll_2_CSA2_All_2 |

MSC IN3_A_CPH_MOCS_BO_03



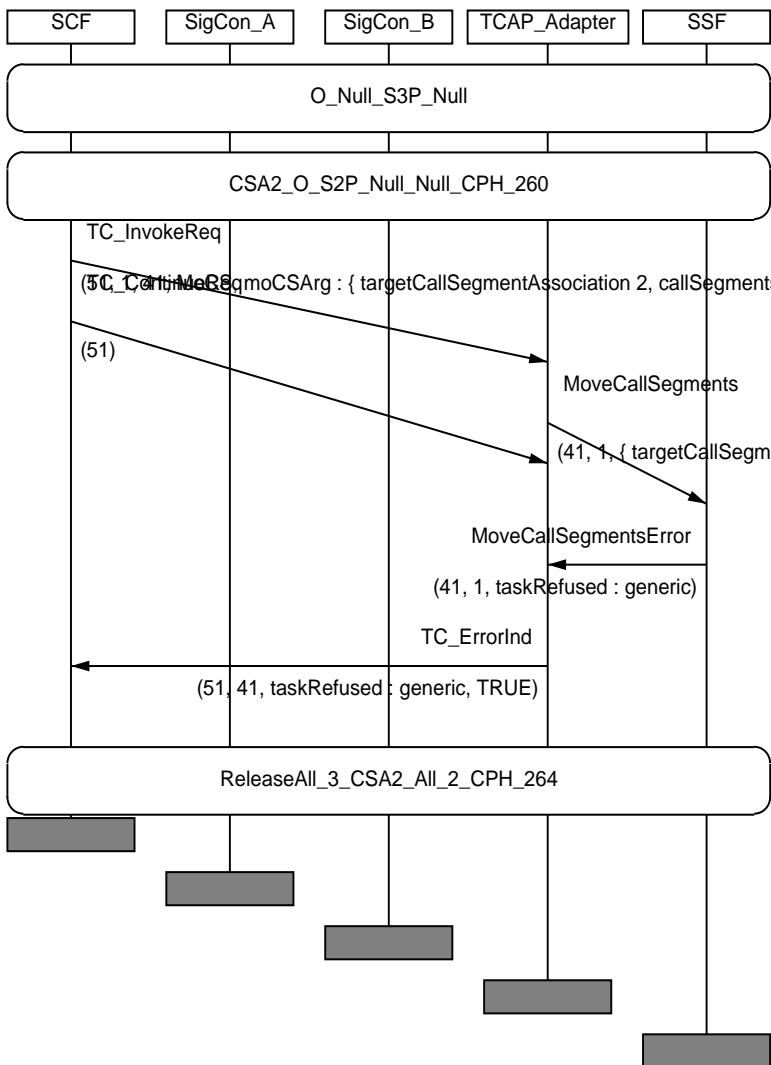
| IN3_A_CPH_MOCS_BO_04 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_263 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends to the SCF a MoveCallSegments ReturnError component (taskRefused) after having received from the SCF a MoveCallSegments invoke component, when the target CSA contains a CS with a joined controlling leg (Stable_2_Party state) and the source CS is in the Stable_2_Party state. |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25), 11.30.3.2, 13.1.10.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | O_S2P_null_null CSA2_O_S2P_null_null |
| Test description | <pre> L1!MoveCallSegments({ targetCSA csalD2, callSegments {{ sourceCS 1, newCS 2 }}, legs {{ sourceLeg 1, newLeg 3}, { sourceLeg 2, newLeg 4} } }) </pre> |
| Pass criteria | L1!MoveCallSegments ReturnError(taskRefused) |
| Postamble: | ReleaseAll_2_CSA2_All_2_CPH_263 |

MSC IN3_A_CPH_MOCS_BO_04



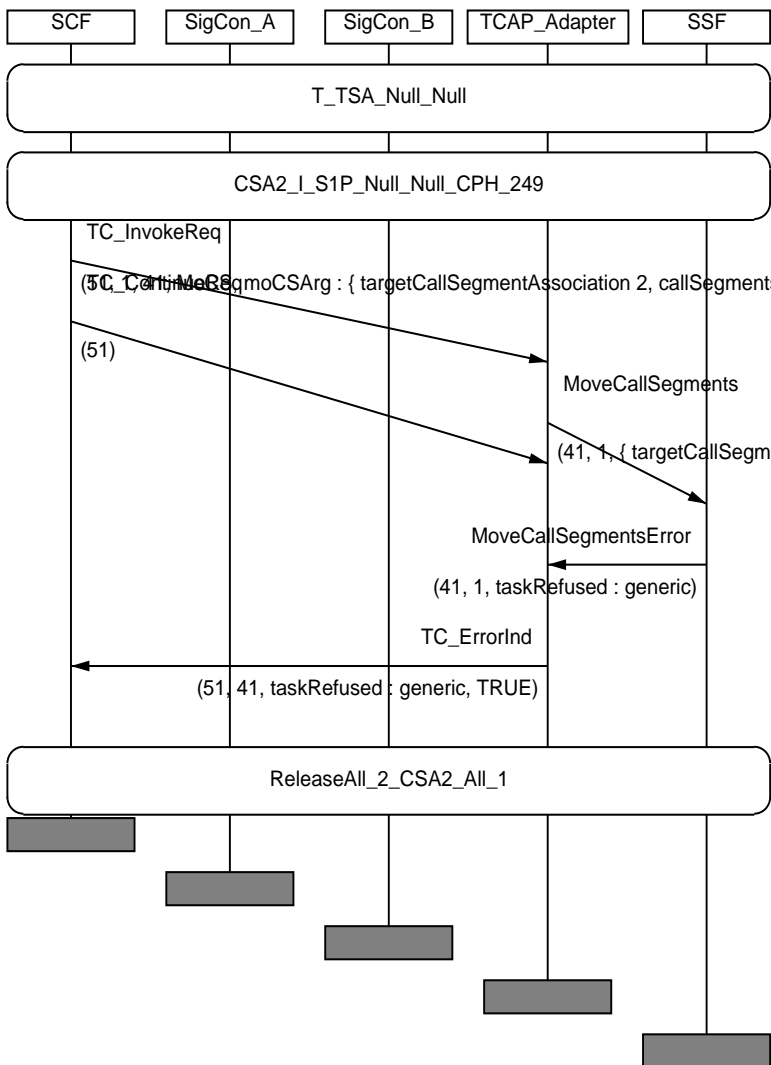
| IN3_A_CPH_MOCS_BO_05 | |
|-----------------------------|--|
| Work item no.: | ITEM_CPH_264 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends to the SCF a MoveCallSegments ReturnError component (taskRefused) after having received from the SCF a MoveCallSegments invoke component, when the target CSA contains a CS with a joined controlling leg (Stable_2_Party state) and the source CS is in the Stable_Multi_Party state. |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25), 11.30.3.2, 13.1.10.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | O_null_S3P_null CSA2_O_S2P_null_null |
| Test description | <pre> L1!MoveCallSegments({ targetCSA csalD2, callSegments { { sourceCS 2, newCS 2 } }, legs { { sourceLeg 1, newLeg 3}, { sourceLeg 2, newLeg 4}, { sourceLeg 3, newLeg 5 } } }) </pre> |
| Pass criteria | L1!MoveCallSegments ReturnError(taskRefused) |
| Postamble: | ReleaseAll_3_CSA2_All_2_CPH_264 |

MSC IN3_A_CPH_MOCS_BO_05



| IN3_A_CPH_MOCS_BO_06 | |
|-----------------------------|---|
| Work item no.: | ITEM_CPH_265 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF sends to the SCF a MoveCallSegments ReturnError component (taskRefused) after having received from the SCF a MoveCallSegments invoke component, when the target CSA contains no CS with a joined or pending controlling leg (1 CS in Stable_1_Party state) and the source CS is in the Terminating_Setup state (call not being suspended in a state-compatible DP). |
| Requirements refs | 8.2, 8.2.1, 8.2.1.2, 8.2.2, 11.30.1, 11.30.1.1.1, 11.30.3.1 (table 25), 11.30.3.2, 13.1.10.1, 15.1.1.2.2 |
| Selection Cond. | |
| Preamble: | T_TSA_null_null CSA2_I_S1P_null_null |
| Test description | <pre> L1!MoveCallSegments({ targetCSA csalD2, callSegments {{ sourceCS 1, newCS 2 }}, legs {{ sourceLeg 1, newLeg 3}, { sourceLeg 2, newLeg 4 } } }) </pre> |
| Pass criteria | L1!MoveCallSegments ReturnError(taskRefused) |
| Postamble: | ReleaseAll_2_CSA2_All_1 |

MSC IN3_A_CPH_MOCS_BO_06



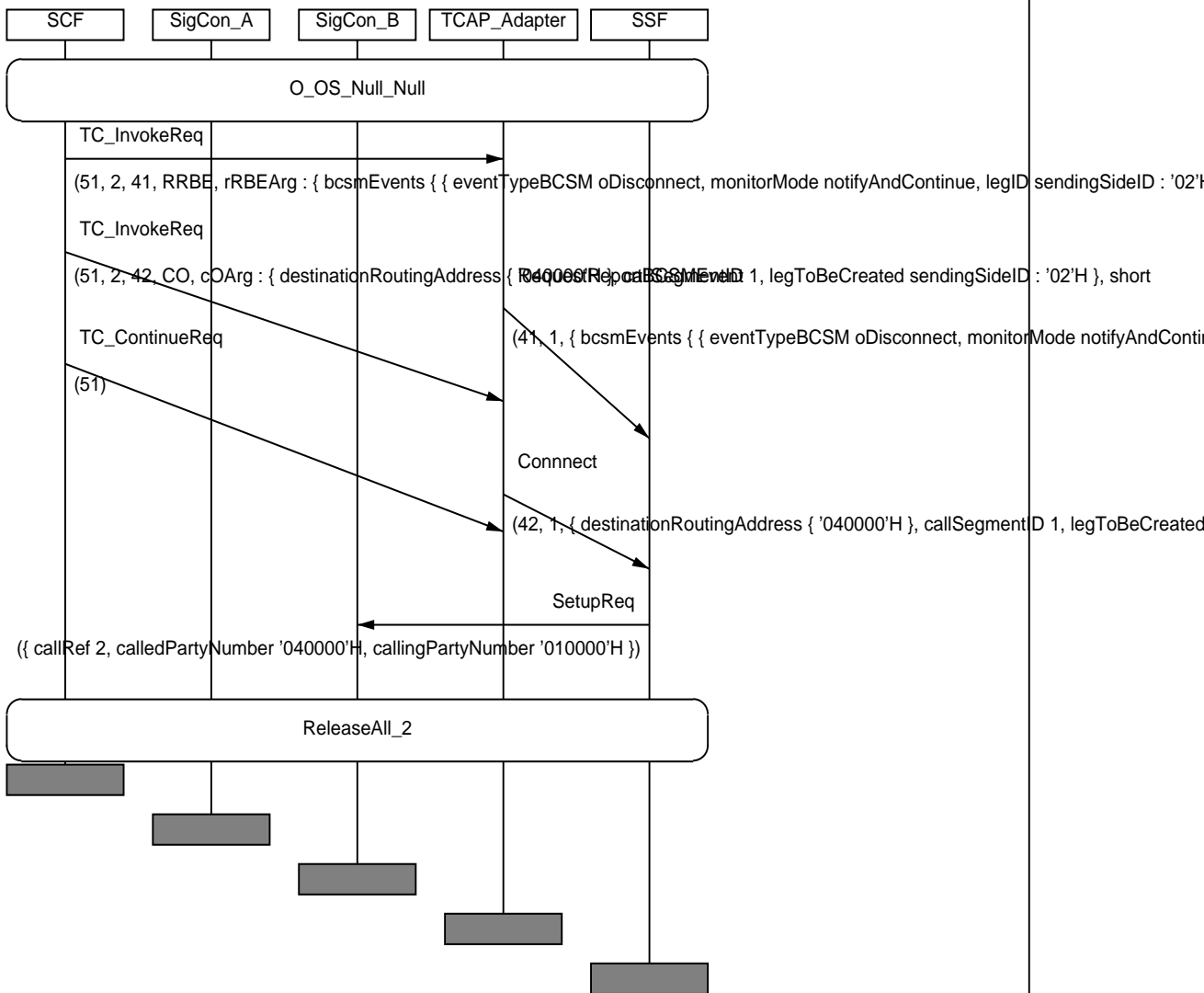
9 Test Purpose (TP) descriptions for the test of mixed call handling capabilities

This clause includes the TPs for testing the mixed call handling capabilities, which are not covered by the Test Purposes for the individual call handling-related procedures. Due to the large number of possible transitions, the TPs are restricted to a limited number of cases covering the switch functionality. Taking the preamble tree as starting point and successively going from simple to more complex preamble states, a sequence of operations is applied bringing the IUT to the state to be tested.

9.1 Originating (O_BCSM) trigger (controlling legID = 1)

| IN3_A_CPH_MIX_01 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_28 |
| IN2 Ref(tmp) | IN2_A_CPH_001 |
| Purpose: | Verify that the SSF, being in the CS configuration according to preamble O_OS_null_null , initiates a SetupReq to SigConB, when having received from the SCF a Connect invoke component. |
| Requirements refs | 6.5.1.2.3, 6.6.3.3.2.1, 6.6.3.4.2.7, 8.2, 8.2.1.2, 8.2.2, 8.2.2, 8.3.2, 8.4.2, 11.12, 11.38 |
| Selection Cond. | |
| Preamble: | O_OS_null_null |
| Test description | L1!RequestReportBCSMEvent(2,notifyAndContinue,oDisconnect) L1!Connect(2,1) |
| Pass criteria | CP1_2?SetupReq |
| Postamble: | ReleaseAll_2 |

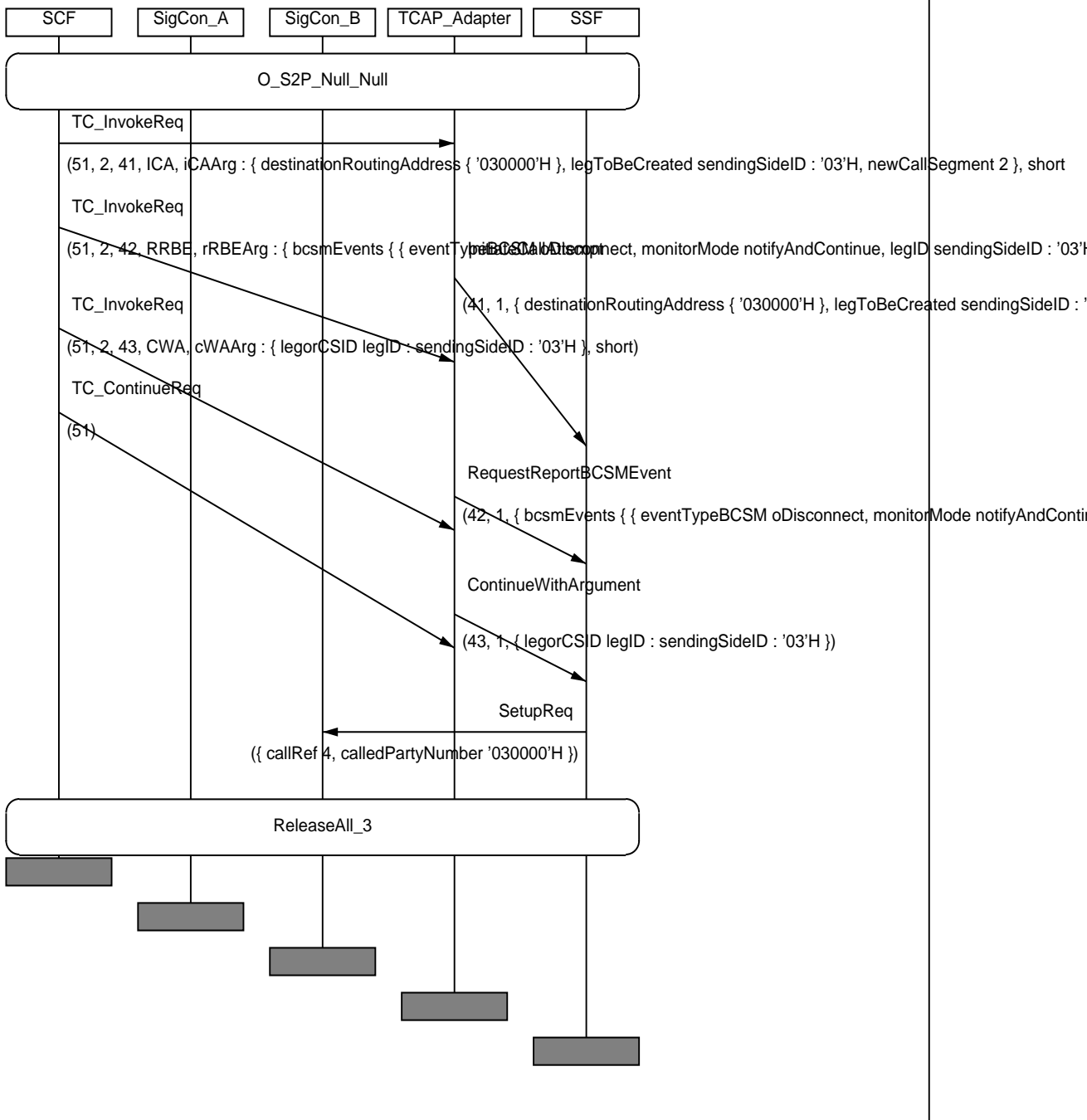
MSC IN3_A_CPH_MIX_01



| IN3_A_CPH_MIX_02 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_30 |
| IN2 Ref(tmp) | IN2_A_CPH_003 |
| Purpose: | Verify that the SSF, being in the CS configuration according to preamble O_S2P_null_null , sends to the SCF a SplitLeg returnResult component, when having received from the SCF a SplitLeg invoke component (legToBeSplit=1,newcsID=2), and initiates a SetupReq to SigConC (leg 3), after having received from the SCF a Connect invoke component for (legToBeCreated=3,csID=2). |
| Requirements refs | 6.5.1.2.1, 6.5.1.2.3, 6.6.3.3.2.1, 6.6.3.4.2, 6.6.3.4.2.7, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 8.3.2, 8.4.2, 11.12, 11.15, 11.38, 11.46 |
| Selection Cond. | |
| Preamble: | O_S2P_null_null |
| Test description | L1!SplitLeg(1,2) L1?SplitLegReturnResult L1!ContinueWithArgument (csID = 1) L1!RequestReportBCSMEEvent(3,notifyAndContinue,oDisconnect) L1!Connect(3,2) reaching state O_S1P_OS_null |
| Pass criteria | CP1_3?SetupReq |
| Postamble: | ReleaseAll_3 |

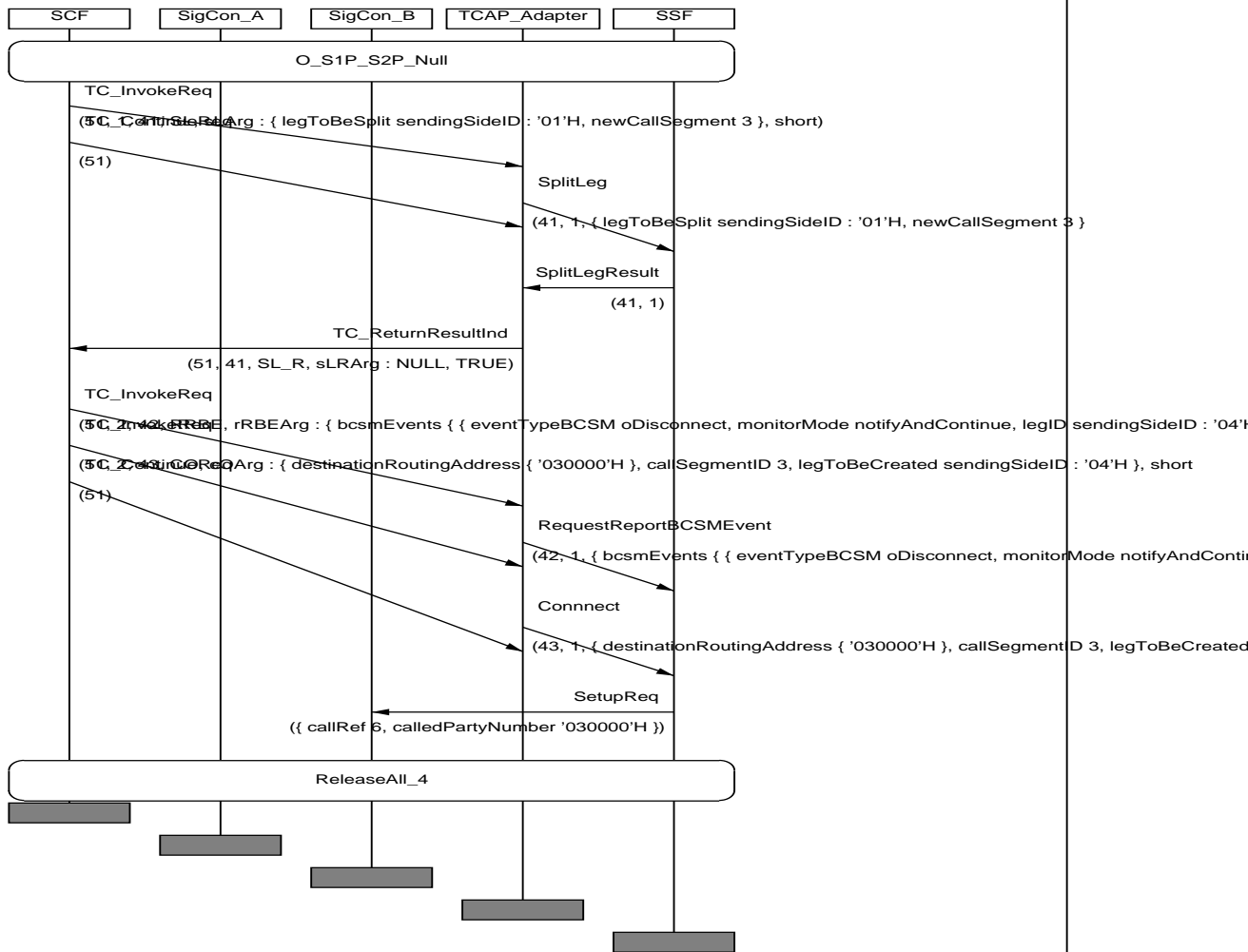
| IN3_A_CPH_MIX_03 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_32 |
| IN2 Ref(tmp) | IN2_A_CPH_005 |
| Purpose: | Verify that the SSF, being in the CS configuration according to preamble O_S2P_null_null , sends a SetupReq signal to SigConC, when having received from the SCF an InitiateCallAttempt (legToBeCreated=3,newcsID=2) invoke component, followed by a ContinueWithArgument invoke component containing parameter legID=3. |
| Requirements refs | 6.5.1.2.1, 6.5.1.2.3, 6.6.3.4.2.7, 8.2, 8.2.1, 8.2.1.1, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 11.15, 11.27 |
| Selection Cond. | |
| Preamble: | O_S2P_null_null |
| Test description | L1!InitiateCallAttempt(3,2) L1!RequestReportBCSMEEvent(3,notifyAndContinue,oDisconnect) L1!ContinueWithArgument(legID=3) Reaching state O_S2P_OS_null |
| Pass criteria | CP1_3?SetupReq |
| Postamble: | ReleaseAll_3 |

MSC IN3_A_CPH_MIX_03



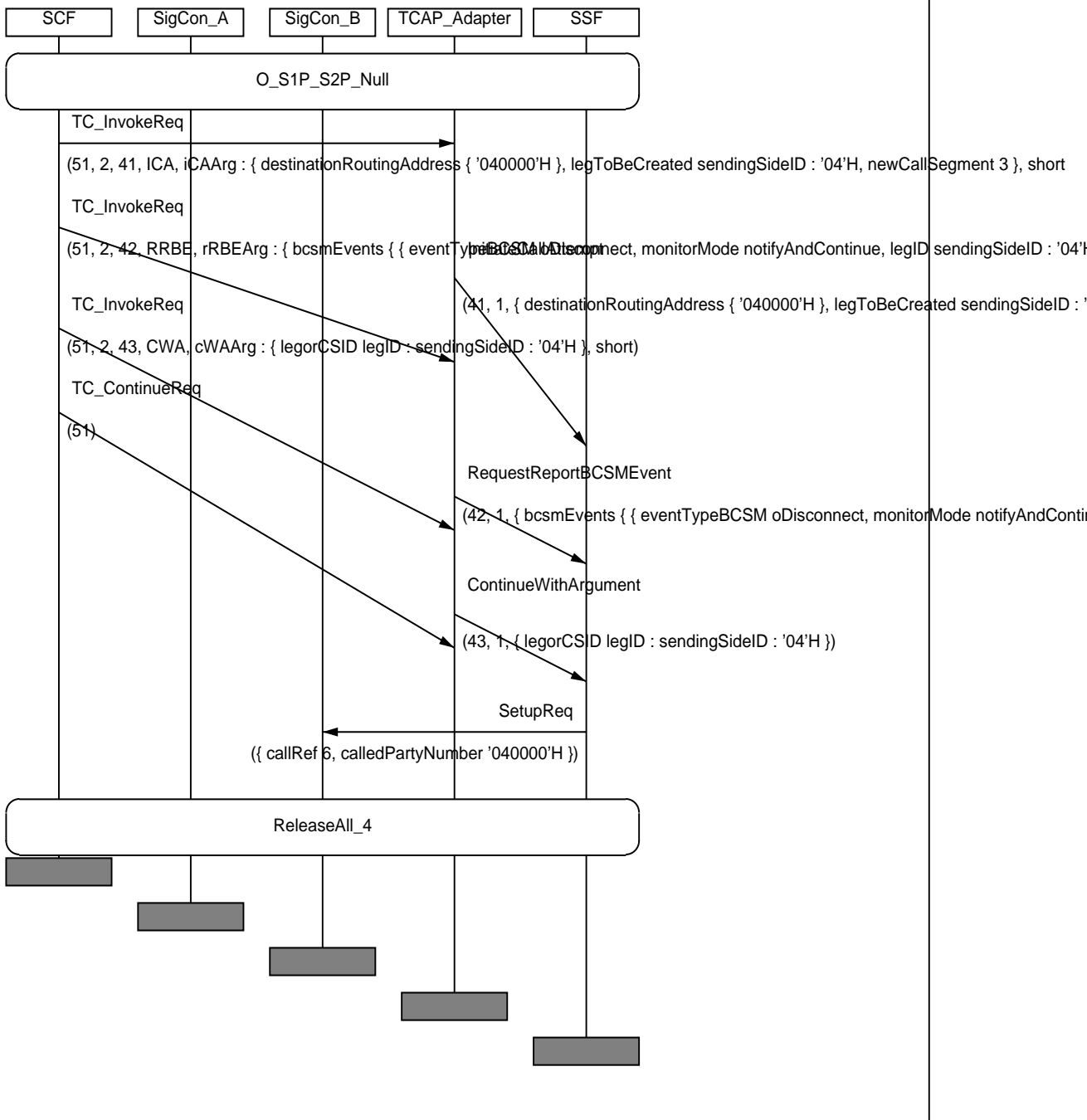
| IN3_A_CPH_MIX_04 | |
|--------------------------|---|
| Work item no.: | ITEM_CPH_33 |
| IN2 Ref(tmp) | IN2_A_CPH_006 |
| Purpose: | Verify that the SSF, being in the CS configuration according to preamble O_S1P_S2P_null , sends to the SCF a SplitLeg returnResult component, when having received from the SCF a SplitLeg invoke component (legToBeSplit=1,newcsID=3), and initiates a SetupReq to SigConD (leg 4), after having received from the SCF a Connect invoke component for (legToBeCreated=4,csID=3). |
| Requirements refs | 6.5.1.2.1, 6.5.1.2.3, 6.6.3.3.2.1, 6.6.3.4.2, 6.6.3.4.2.7, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 8.3.2, 8.4.2, 11.12, 11.15, 11.38, 11.46 |
| Selection Cond. | |
| Preamble: | O_S1P_S2P_null |
| Test description | L1!SplitLeg(1,3) L1?SplitLegReturnResult L1!RequestReportBCSMEEvent(4,notifyAndContinue,oDisconnect) L1!Connect(4,3) Reaching state O_S1P_S1P_OS |
| Pass criteria | CP1_4?SetupReq |
| Postamble: | ReleaseAll_4 |

MSC IN3_A_CPH_MIX_04



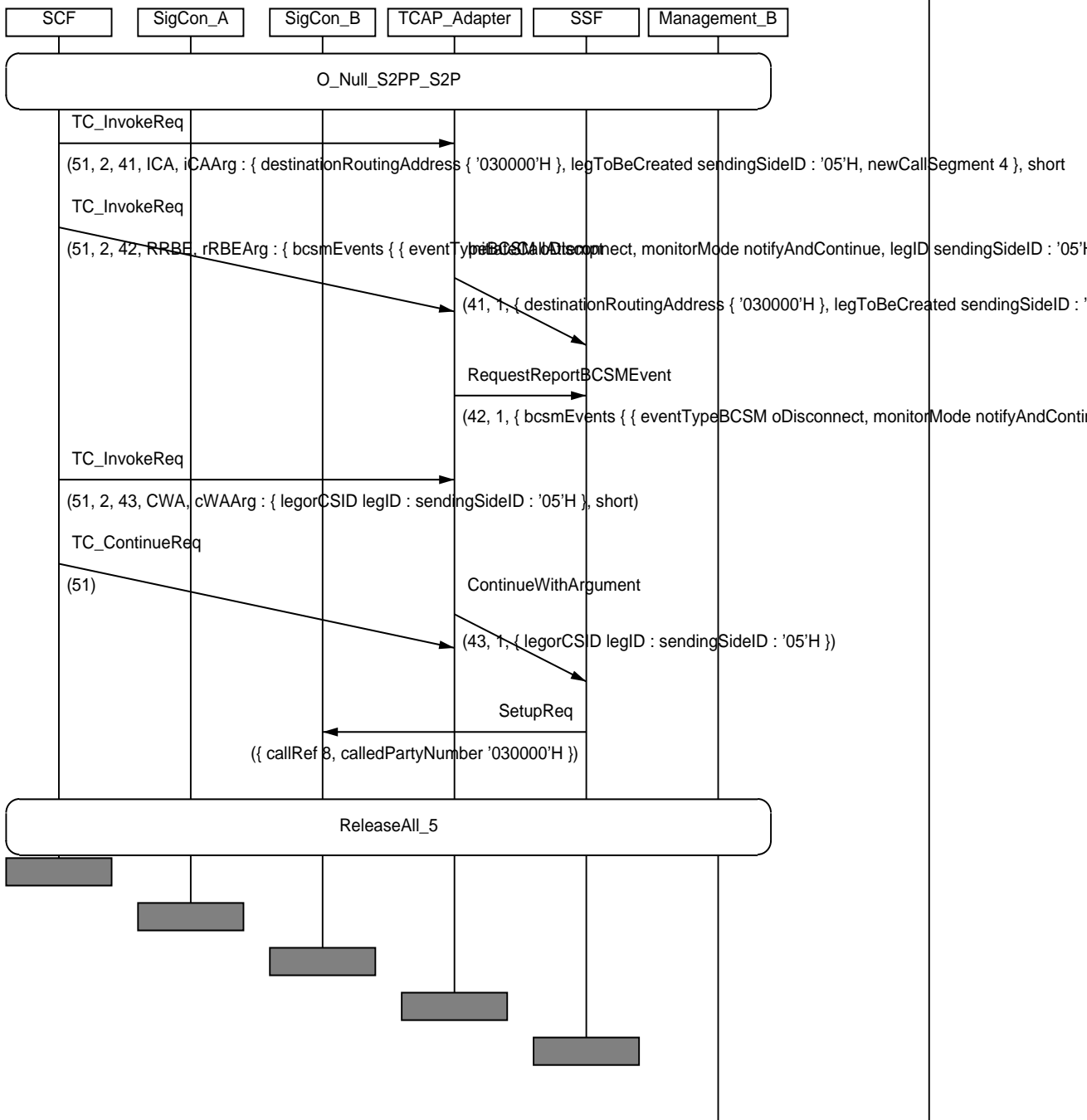
| IN3_A_CPH_MIX_05 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_37 |
| IN2 Ref(tmp) | IN2_A_CPH_010 |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble O_S1P_S2P_null, sends a SetupReq to SigConD after having received from the SCF an InitiateCallAttempt (legToBeCreated=4,newcsID=3) invoke component, followed by a ContinueWithArgument invoke component with parameter legID=4. |
| Requirements refs | 6.5.1.2.1, 6.5.1.2.3, 6.6.3.4.2.7, 8.2, 8.2.1, 8.2.1.1, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 11.15, 11.27 |
| Selection Cond. | |
| Preamble: | O_S1P_S2P_null |
| Test description | L1!InitiateCallAttempt(4,3) L1!RequestReportBCSMEEvent(4,notifyAndContinue,oDisconnect) L1!ContinueWithArgument(legID=4) Reaching state O_S1P_S2P_OS |
| Pass criteria | CP1_4?SetupReq |
| Postamble: | ReleaseAll_4 |

MSC IN3_A_CPH_MIX_05



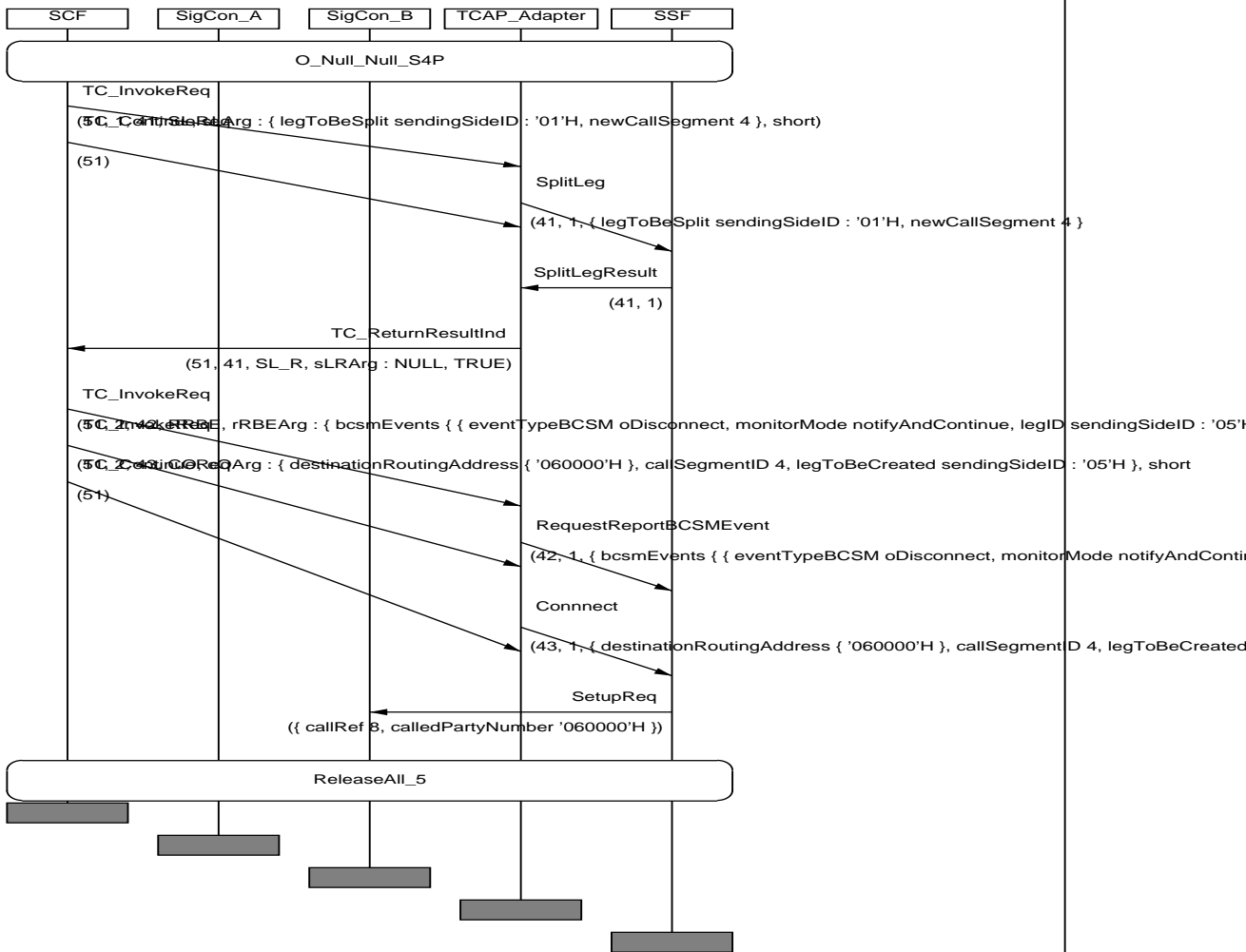
| IN3_A_CPH_MIX_06 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_43 |
| IN2 Ref(tmp) | IN2_A_CPH_016 |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble O_null_S2PP_S2P , sends a SetupReq to SigConE after having received from the SCF an InitiateCallAttempt (legToBeCreated=5,newcsID=4) invoke component, followed by a ContinueWithArgument invoke component with parameter legID=5. |
| Requirements refs | 6.5.1.2.1, 6.5.1.2.3, 6.6.3.4.2.7, 8.2, 8.2.1, 8.2.1.1, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 11.15, 11.27 |
| Selection Cond. | |
| Preamble: | O_null_S2PP_S2P |
| Test description | L1!InitiateCallAttempt(5,4) L1!RequestReportBCSMEEvent(5,notifyAndContinue,oDisconnect) L1!ContinueWithArgument(legID=5) Reaching state O_null_S2PP_S2P_OS |
| Pass criteria | CP1_5?SetupReq |
| Postamble: | ReleaseAll_5 |

MSC IN3_A_CPH_MIX_06



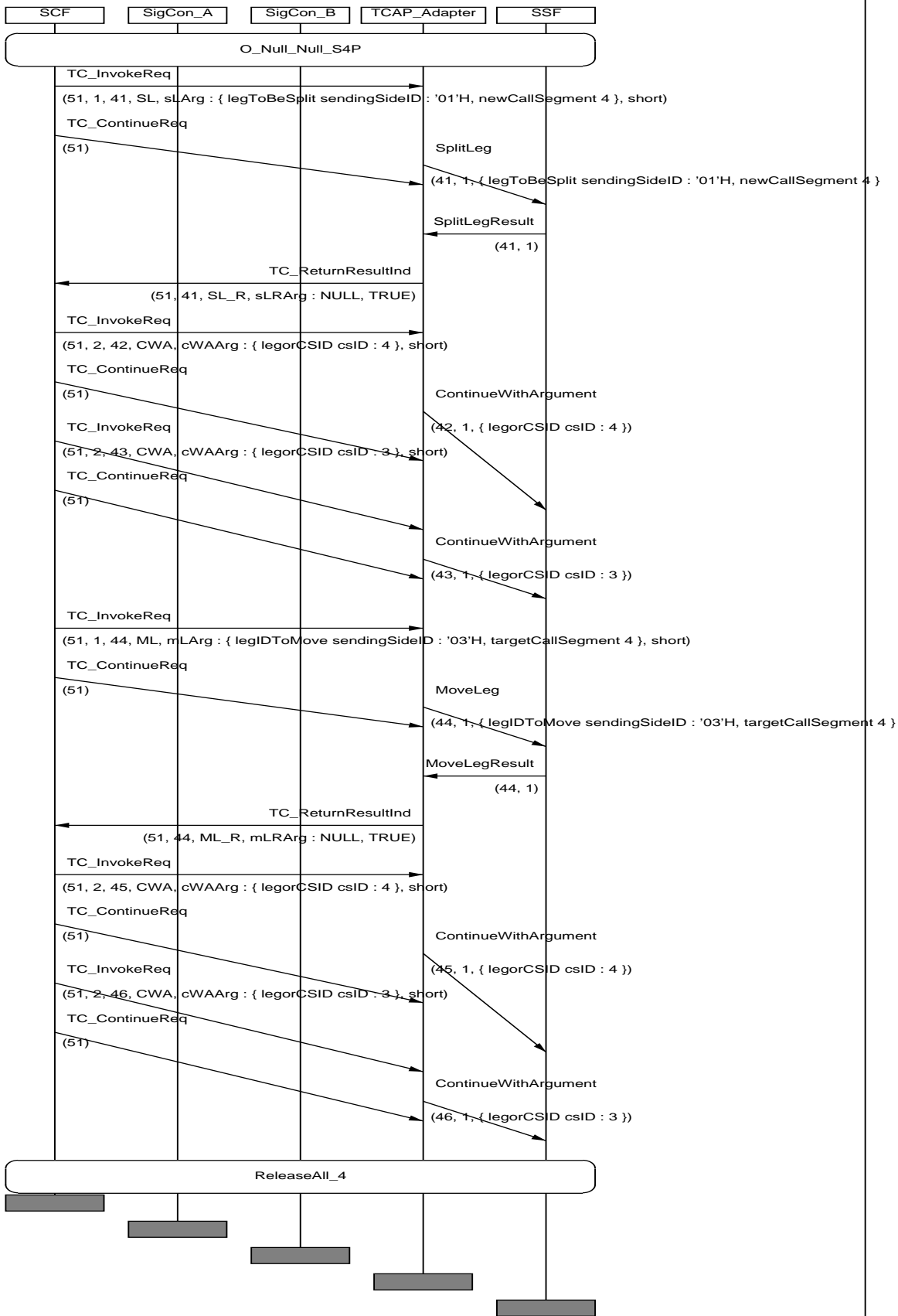
| IN3_A_CPH_MIX_07 | |
|--------------------------|---|
| Work item no.: | ITEM_CPH_44 |
| IN2 Ref(tmp) | IN2_A_CPH_017 |
| Purpose: | Verify that the SSF, being in the CS configuration according to preamble O_null_null_S4P , sends to the SCF a SplitLeg returnResult component, when having received from the SCF a SplitLeg invoke component (legToBeSplit=1,newcsID=4), and initiates a SetupReq to SigConE (leg 5), after having received from the SCF a Connect invoke component for (legToBeCreated=5, csID=4). |
| Requirements refs | 6.5.1.2.1, 6.5.1.2.3, 6.6.3.3.2.1, 6.6.3.4.2, 6.6.3.4.2.7, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 8.3.2, 8.4.2, 11.12, 11.15, 11.38, 11.46 |
| Selection Cond. | |
| Preamble: | O_null_null_S4P |
| Test description | L1!SplitLeg(1,4) L1?SplitLegReturnResult L1!RequestReportBCSMEEvent(5,notifyAndContinue,oDisconnect) L1!Connect(5,4) Reaching state - O_Null_Null_S2P_S3PP_OS |
| Pass criteria | CP1_5?SetupReq |
| Postamble: | ReleaseAll_5 |

MSC IN3_A_CPH_MIX_07



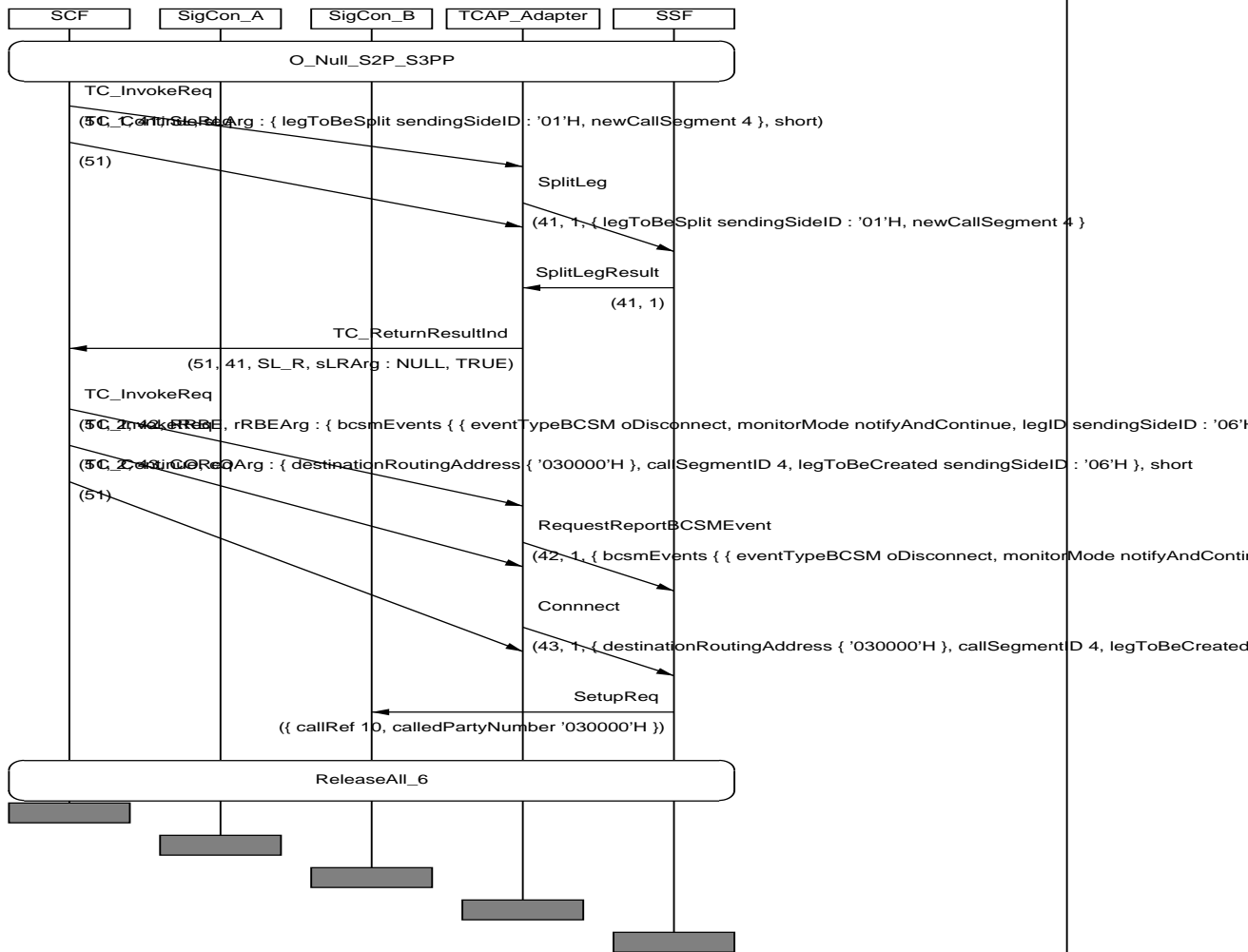
| IN3_A_CPH_MIX_08 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_45 |
| IN2 Ref(tmp) | IN2_A_CPH_018 |
| Purpose: | Verify that the SSF, being in the CS configuration according to preamble O_null_null_S4P , sends to the SCF a SplitLeg returnResult component, when having received from the SCF a SplitLeg invoke component (legToBeSplit=1,newcsID=4), and sends to the SCF a MoveLeg ReturnResult component after having received from the SCF a MoveLeg invoke component with parameters legIDToMove =3 and targetCS=4. |
| Requirements refs | 6.5.1.2.1, 6.5.1.2.3, 6.6.3.4.2, 6.6.3.4.2.7, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 11.15, 11.31, 11.46 |
| Selection Cond. | |
| Preamble: | O_null_null_S4P |
| Test description | L1!SplitLeg(1,4) L1!ContinueWithArgument(csID=4) L1!ContinueWithArgument(csID=3) L1!MoveLeg(3,4) L1!ContinueWithArgument(csID=4) L1!ContinueWithArgument(csID=3) Reaching state O_null_null_S2PP_S2P |
| Pass criteria | SSF sends SplitLegReturnResult and SSF sends MoveLegReturnResult |
| Postamble: | ReleaseAll_4 |

MSC IN3_A_CPH_MIX_08



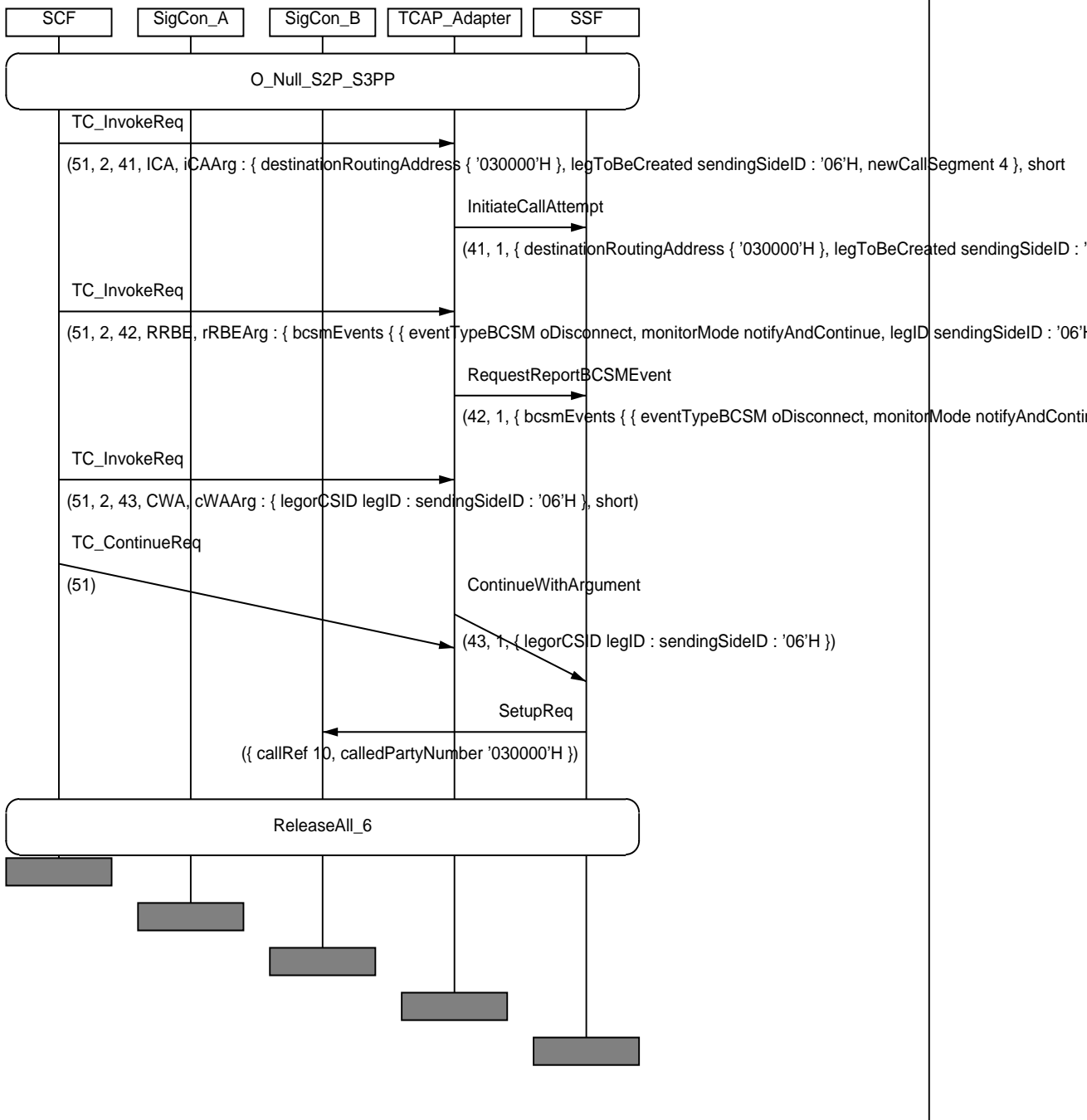
| IN3_A_CPH_MIX_09 | |
|--------------------------|---|
| Work item no.: | ITEM_CPH_48 |
| IN2 Ref(tmp) | IN2_A_CPH_021 |
| Purpose: | Verify that the SSF, being in the CS configuration according to preamble O_null_S2P_S3PP , sends to the SCF a SplitLeg returnResult component, when having received from the SCF a SplitLeg invoke component (legToBeSplit=1,newcsID=4), and initiates a SetupReq to SigConF (leg 6), after having received from the SCF a Connect invoke component for (legToBeCreated=6, csID=4). |
| Requirements refs | 6.5.1.2.1, 6.5.1.2.3, 6.6.3.3.2.1, 6.6.3.4.2, 6.6.3.4.2.7, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 11.15, 11.38, 11.46 |
| Selection Cond. | |
| Preamble: | O_null_S2P_S3PP |
| Test description | L1!SplitLeg(1,4) L1?SplitLegReturnResult L1!RequestReportBCSMEEvent(6,notifyAndContinue,oDisconnect) L1!Connect(6,4) Reaching state O_null_S1P_S3PP_OS |
| Pass criteria | CP1_6?SetupReq |
| Postamble: | ReleaseAll_6 |

MSC IN3_A_CPH_MIX_09



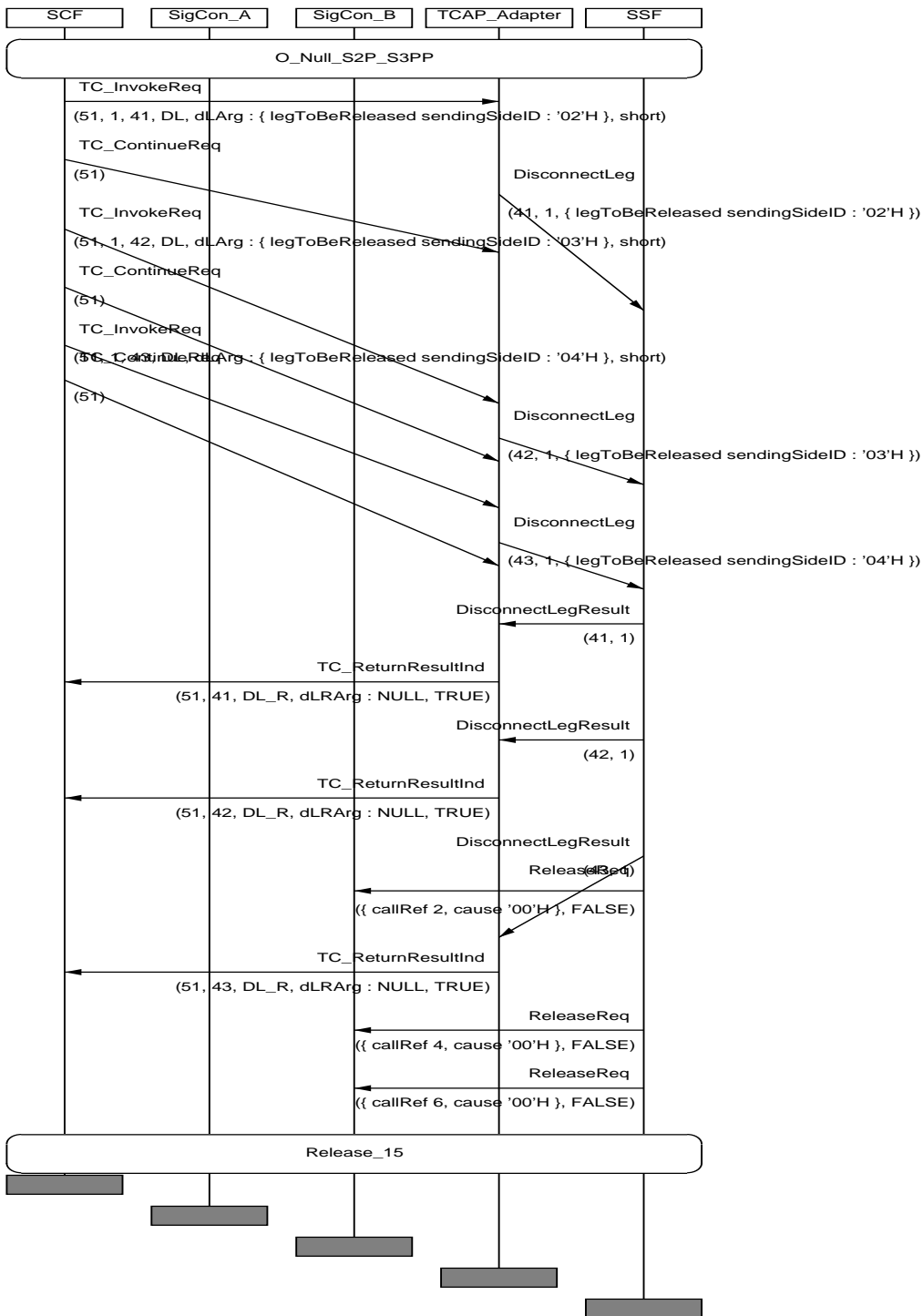
| IN3_A_CPH_MIX_10 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_50 |
| IN2 Ref(tmp) | IN2_A_CPH_023 |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble O_null_S2P_S3PP , sends a SetupReq to SigConF (leg 6) after having received from the SCF an InitiateCallAttempt (legToBeCreated=6,newcsID=4) invoke component, followed by a ContinueWithArgument invoke component with parameter legID=6. |
| Requirements refs | 6.5.1.2.1, 6.5.1.2.3, 6.6.3.4.2.7, 8.2, 8.2.1, 8.2.1.1, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 11.15, 11.27 |
| Selection Cond. | |
| Preamble: | O_null_S2P_S3PP |
| Test description | L1!InitiateCallAttempt(6,4) L1!RequestReportBCSMEEvent(6,notifyAndContinue,oDisconnect) L1!ContinueWithArgument(legID=6) Reaching state O_null_S2P_S3PP_S1P |
| Pass criteria | CP1_6?SetupReq |
| Postamble: | ReleaseAll_6 |

MSC IN3_A_CPH_MIX_10



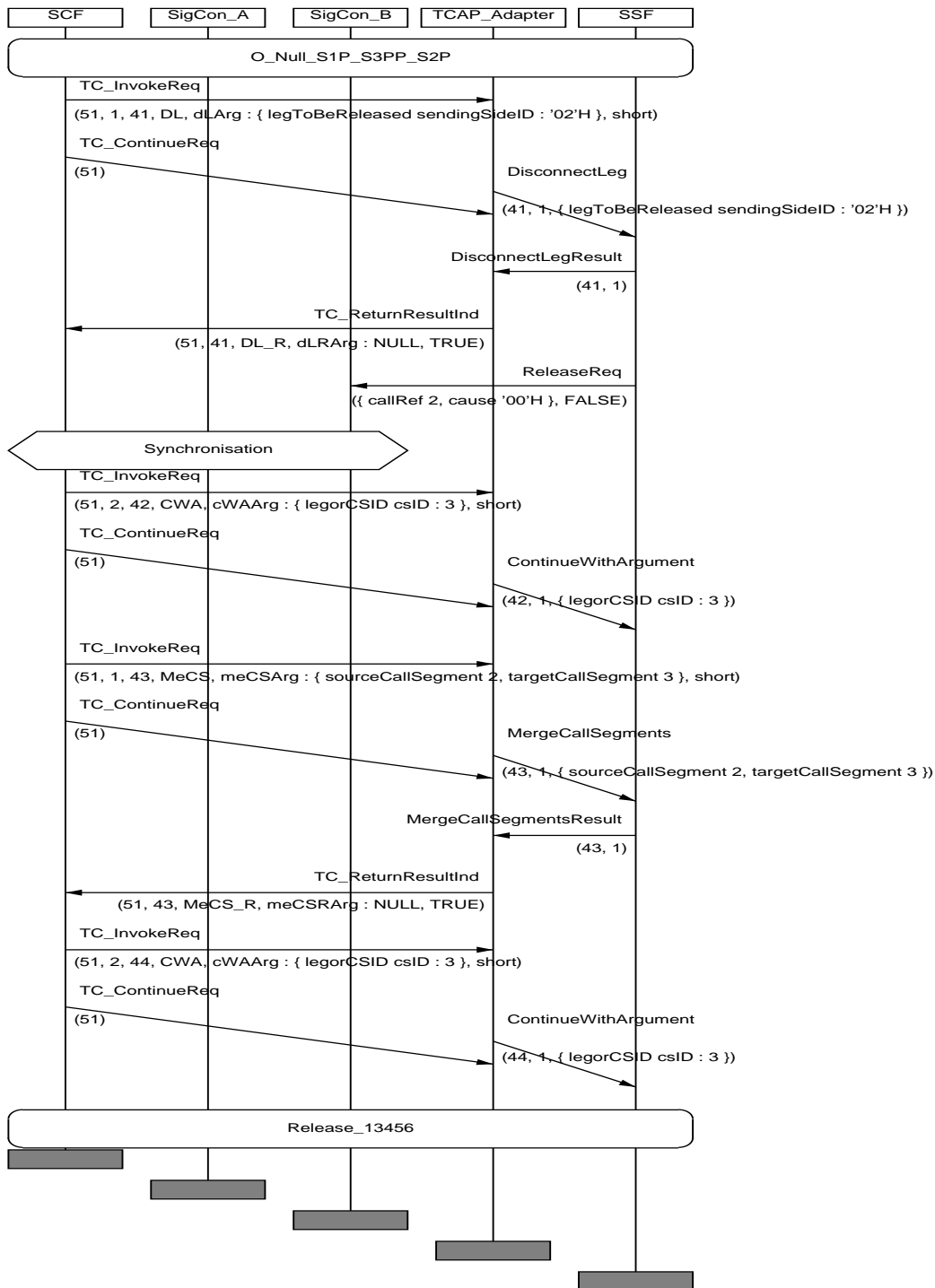
| IN3_A_CPH_MIX_11 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_51 |
| IN2 Ref(tmp) | IN2_A_CPH_024 |
| Purpose: | Verify that the SSF, being in the CS configuration according to preamble O_null_S2P_S3PP , sends to the SCF 3 successive DisconnectLeg returnResult components, when having received from the SCF DisconnectLeg invoke components for leg 2, leg 3 and leg 4 respectively, and initiates ReleaseReq signals to SigConB (leg 2), SigConC (leg 3) and SigConD (leg 4) . |
| Requirements refs | 6.5.1.2.3, 6.6.3.4.2.3, 6.6.3.4.2.4, 6.6.3.4.2.5, 6.6.3.4.2.7, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.2, 11.20 |
| Selection Cond. | |
| Preamble: | O_null_S2P_S3PP |
| 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: | Release_15 |

MSC IN3_A_CPH_MIX_11



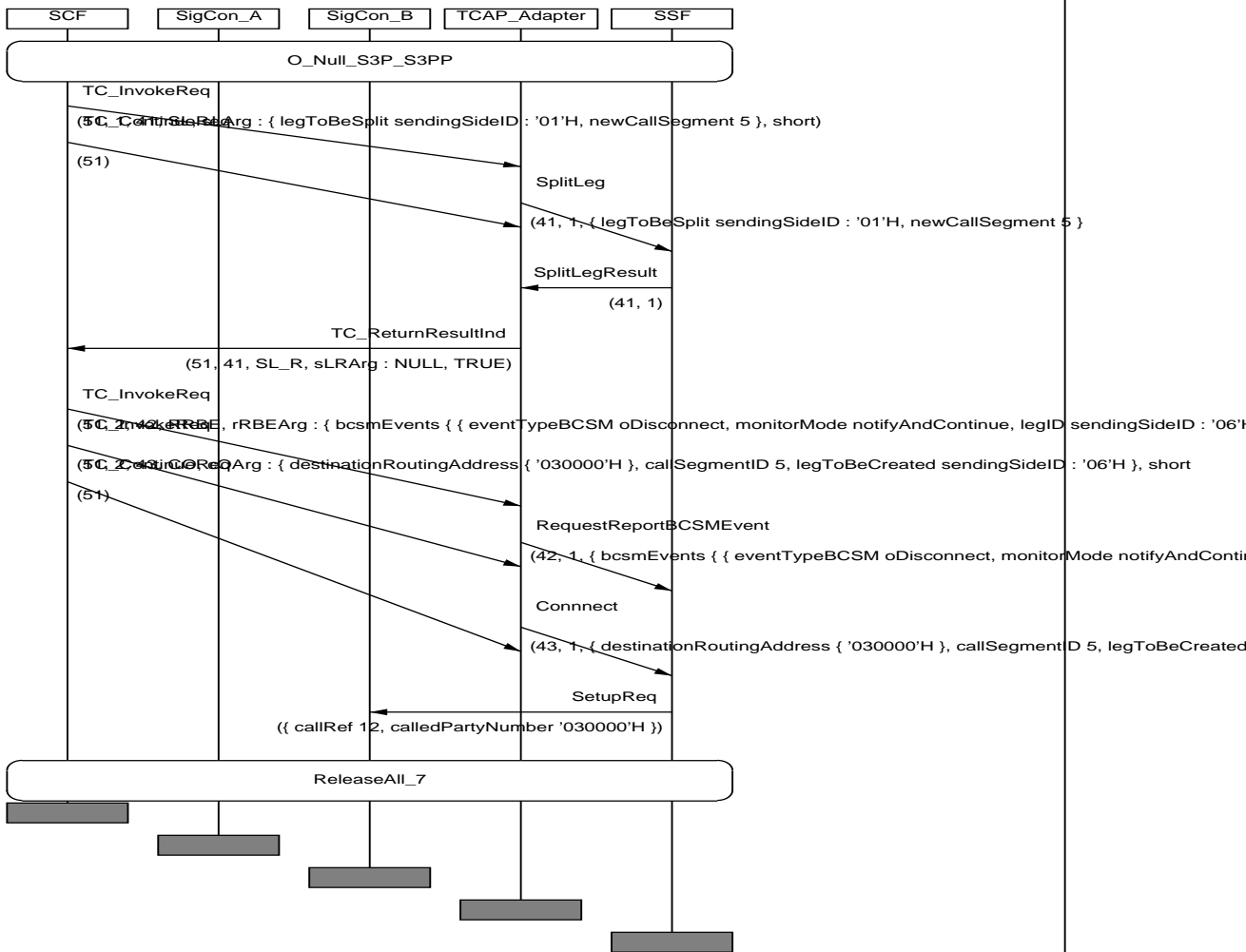
| IN3_A_CPH_MIX_12 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_53 |
| IN2 Ref(tmp) | IN2_A_CPH_026 |
| Purpose: | Verify that the SSF, being in the CS configuration according to preamble O_null_S1P_S3PP_S2P , sends to the SCF a DisconnectLeg returnResult component, when having received from the SCF a DisconnectLeg invoke component for leg 2 (csID=3), initiates a ReleaseReq signal to SigConB (leg 2) after having received from the SCF a ContinueWithArgument (csID = 3) invoke component, and sends to the SCF a MergeCallSegments ReturnResult component after having received from the SCF a MergeCallSegments invoke component with parameters sourceCS=2 and targetCS=3. |
| Requirements refs | 6.5.1.2.1, 6.5.1.2.3, 6.6.3.4.2, 6.6.3.4.2.3, 6.6.3.4.2.4, 6.6.3.4.2.5, 6.6.3.4.2.7, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.2, 11.15, 11.20, 11.29 |
| Selection Cond. | |
| Preamble: | O_null_S1P_S3PP_S2P |
| Test description | L1!DisconnectLeg(2) L1?DisconnectLegReturnResult CP1_2?ReleaseReq L1!MergeCallSegments(2,3) L1?MergeCallSegments ReturnResult L1!ContinueWithArgument(csID=3) Reaching state O_S2P_null_S3PP |
| Pass criteria | DisconnectLegReturnResult CP1_2?ReleaseReq MergeCallSegments ReturnResult |
| Postamble: | Release_13456 |

MSC IN3_A_CPH_MIX_12



| IN3_A_CPH_MIX_13 | |
|--------------------------|---|
| Work item no.: | ITEM_CPH_55 |
| IN2 Ref(tmp) | IN2_A_CPH_028 |
| Purpose: | Verify that the SSF, being in the CS configuration according to preamble O_null_S3P_S3PP , sends to the SCF a SplitLeg returnResult component, when having received from the SCF a SplitLeg invoke component (legToBeSplit=1,newcsID=4), and initiates a SetupReq to SigConG (leg 7), after having received from the SCF a Connect invoke component for (legToBeCreated=7, csID=4). |
| Requirements refs | 6.5.1.2.1, 6.5.1.2.3, 6.6.3.3.2.1, 6.6.3.4.2, 6.6.3.4.2.7, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 8.3.2, 8.4.2, 11.12, 11.15, 11.38, 11.46 |
| Selection Cond. | |
| Preamble: | O_null_S3P_S3PP |
| Test description | L1!SplitLeg(1,4) L1?SplitLegReturnResult L1!RequestReportBCSMEEvent(7,notifyAndContinue,oDisconnect) L1!Connect(7,4) Reaching state O_null_S2PP_S3PP_S2P |
| Pass criteria | CP1_7?SetupReq |
| Postamble: | ReleaseAll_7 |

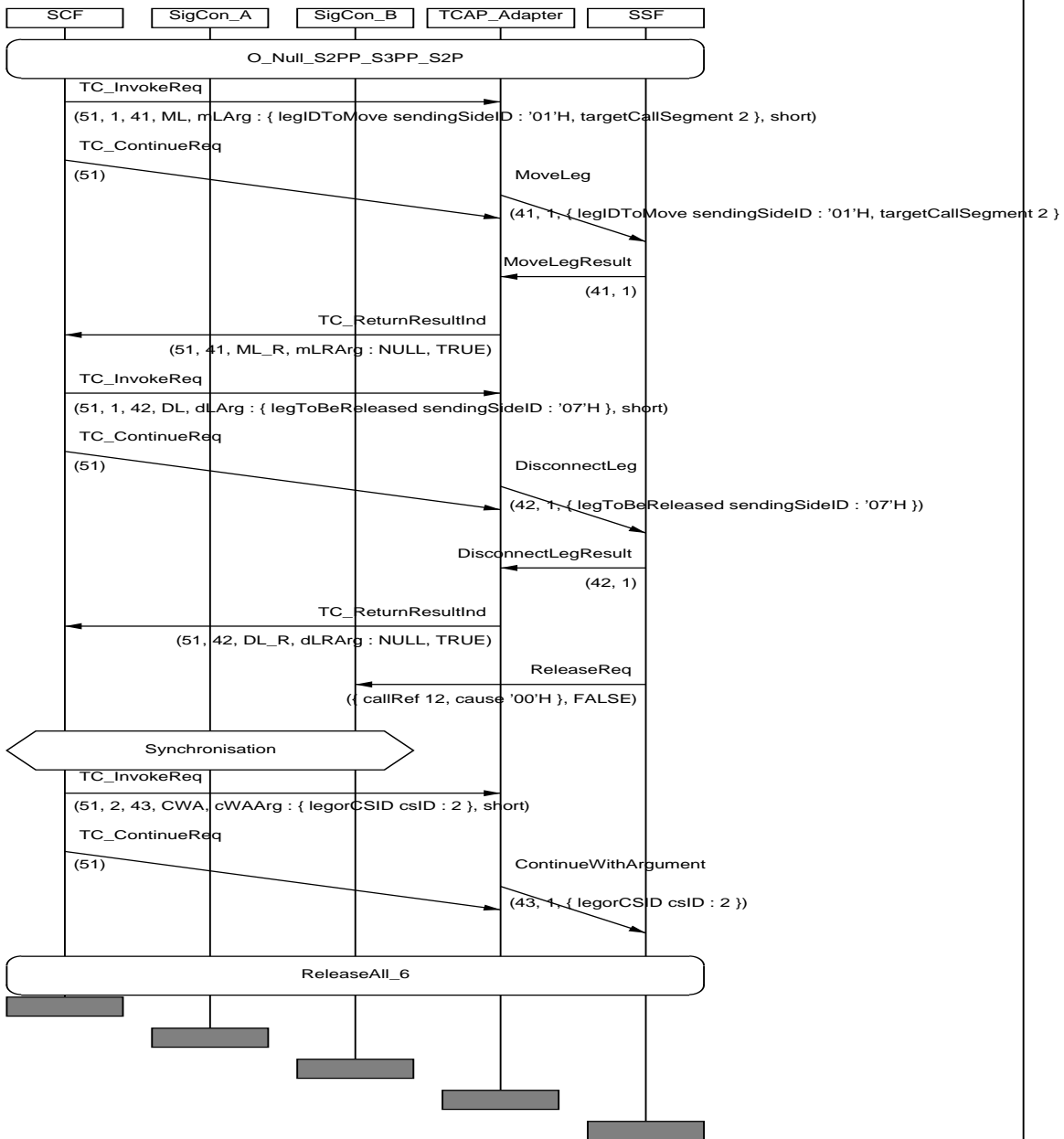
MSC IN3_A_CPH_MIX_13



| IN3_A_CPH_MIX_14 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_57 |
| IN2 Ref(tmp) | IN2_A_CPH_030 |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble O_null_S3P_S3PP , sends a SetupReq to SigConG (leg 7) after having received from the SCF an InitiateCallAttempt (legToBeCreated=7,newcsID=4) invoke component, followed by a ContinueWithArgument invoke component with parameter legID=7. |
| Requirements refs | 6.5.1.2.1, 6.5.1.2.3, 6.6.3.4.2.7, 8.2, 8.2.1, 8.2.1.1, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 11.15, 11.27 |
| Selection Cond. | |
| Preamble: | O_null_S3P_S3PP |
| Test description | L1!InitiateCallAttempt(7,5) L1!RequestReportBCSMEvent(7,notifyAndContinue,oDisconnect) L1!ContinueWithArgument(legID=7) |
| Pass criteria | CP1_7?SetupReq |
| Postamble: | ReleaseAll_7 |

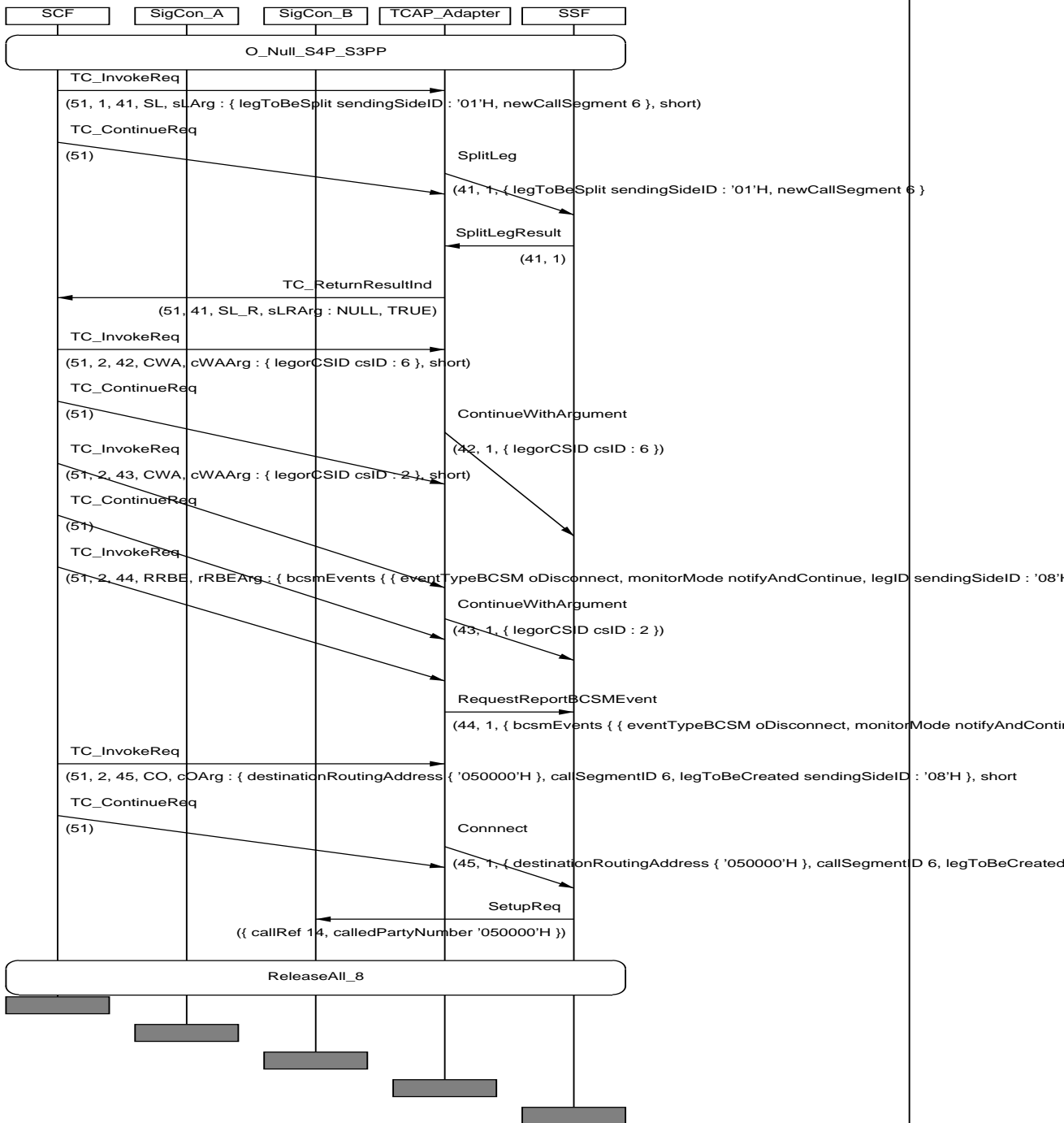
| IN3_A_CPH_MIX_15 | |
|--------------------------|---|
| Work item no.: | ITEM_CPH_59 |
| IN2 Ref(tmp) | IN2_A_CPH_032 |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble O_null_S2PP_S3PP_S2P , sends to the SCF a MoveLeg ReturnResult component after having received from the SCF a MoveLeg invoke component with parameters legIDToMove =1 and targetCS=2, and sends to the SCF a DisconnectLeg returnResult component, when having received from the SCF a DisconnectLeg invoke component for leg 7 (CSid=1). |
| Requirements refs | 6.5.1.2.1, 6.5.1.2.3, 6.6.3.4.2, 6.6.3.4.2.3, 6.6.3.4.2.4, 6.6.3.4.2.5, 6.6.3.4.2.7, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.2, 11.15, 11.20, 11.31 |
| Selection Cond. | |
| Preamble: | O_null_S2PP_S3PP_S2P |
| Test description | L1!MoveLeg(1,2) L1?MoveLegReturnResult L1!DisconnectLeg(7) L1!ContinueWithArgument(csID=2) L1?DisconnectLegReturnResult Reaching state O_null_S3P_S3PP |
| Pass criteria | CP1_7?ReleaseReq |
| Postamble: | ReleaseAll_6 |

MSC IN3_A_CPH_MIX_15



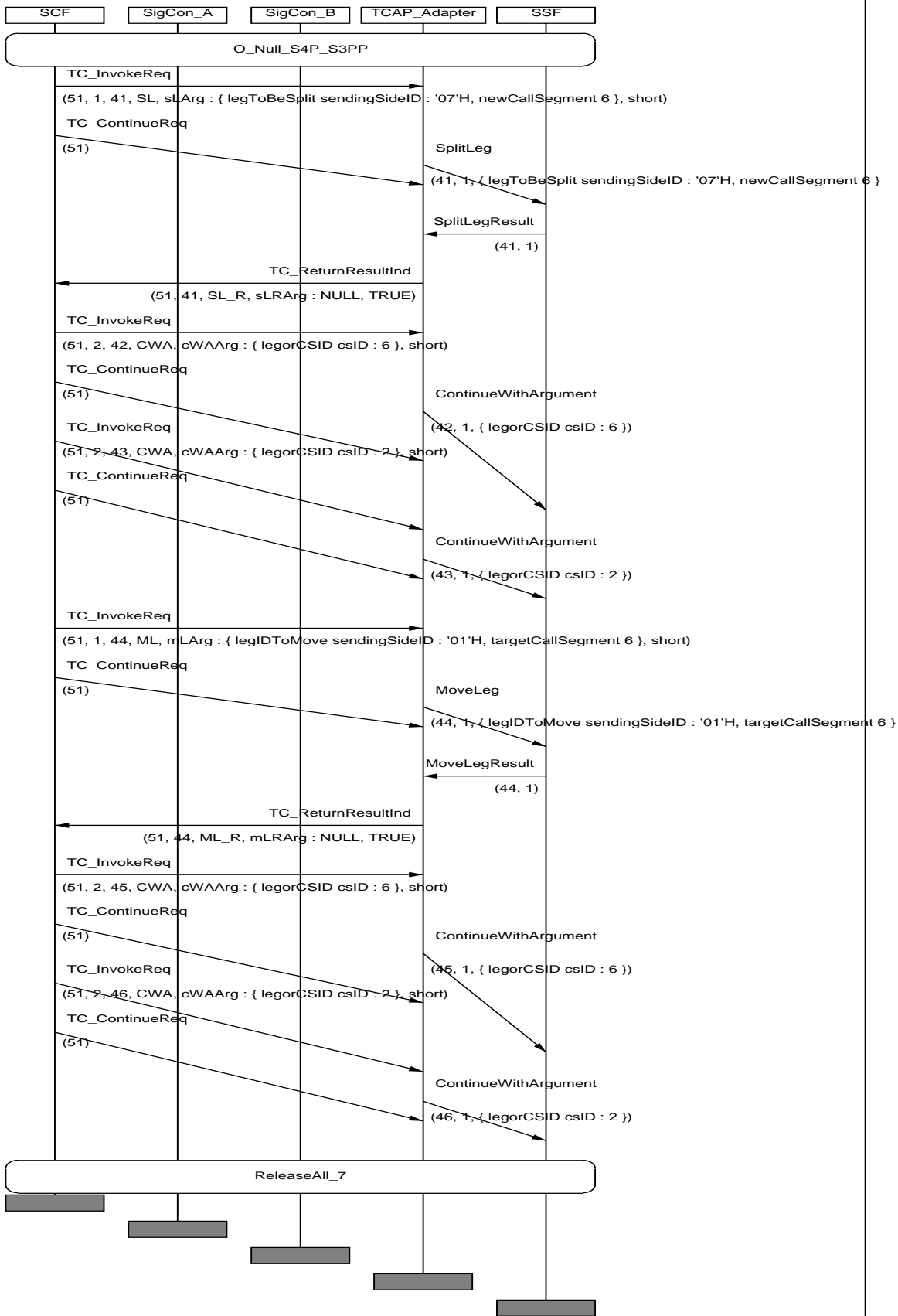
| IN3_A_CPH_MIX_16 | |
|--------------------------|---|
| Work item no.: | ITEM_CPH_61 |
| IN2 Ref(tmp) | IN2_A_CPH_034 |
| Purpose: | Verify that the SSF, being in the CS configuration according to preamble O_null_S4P_S3PP , sends to the SCF a SplitLeg returnResult component, when having received from the SCF a SplitLeg invoke component (legToBeSplit=1,newcsID=4), and initiates a SetUpReq to SigConH (leg 8), after having received from the SCF a Connect invoke component for (legToBeCreated=8, csID=4). |
| Requirements refs | 6.5.1.2.1, 6.5.1.2.3, 6.6.3.3.2.1, 6.6.3.4.2, 6.6.3.4.2.7, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 8.3.2, 8.4.2, 11.12, 11.15, 11.38, 11.46 |
| Selection Cond. | |
| Preamble: | O_null_S4P_S3PP |
| Test description | L1!SplitLeg(1,4) L1?SplitLegReturnResult L1!ContinueWithArgument(csID=4) L1!ContinueWithArgument(csID=2) L1!RequestReportBCSMEEvent(8,notifyAndContinue,oDisconnect) L1!Connect(8,4) Reaching state O_null_S3PP_S3PP_OS |
| Pass criteria | CP1_8?SetUpReq |
| Postamble: | ReleaseAll_8 |

MSC IN3_A_CPH_MIX_16



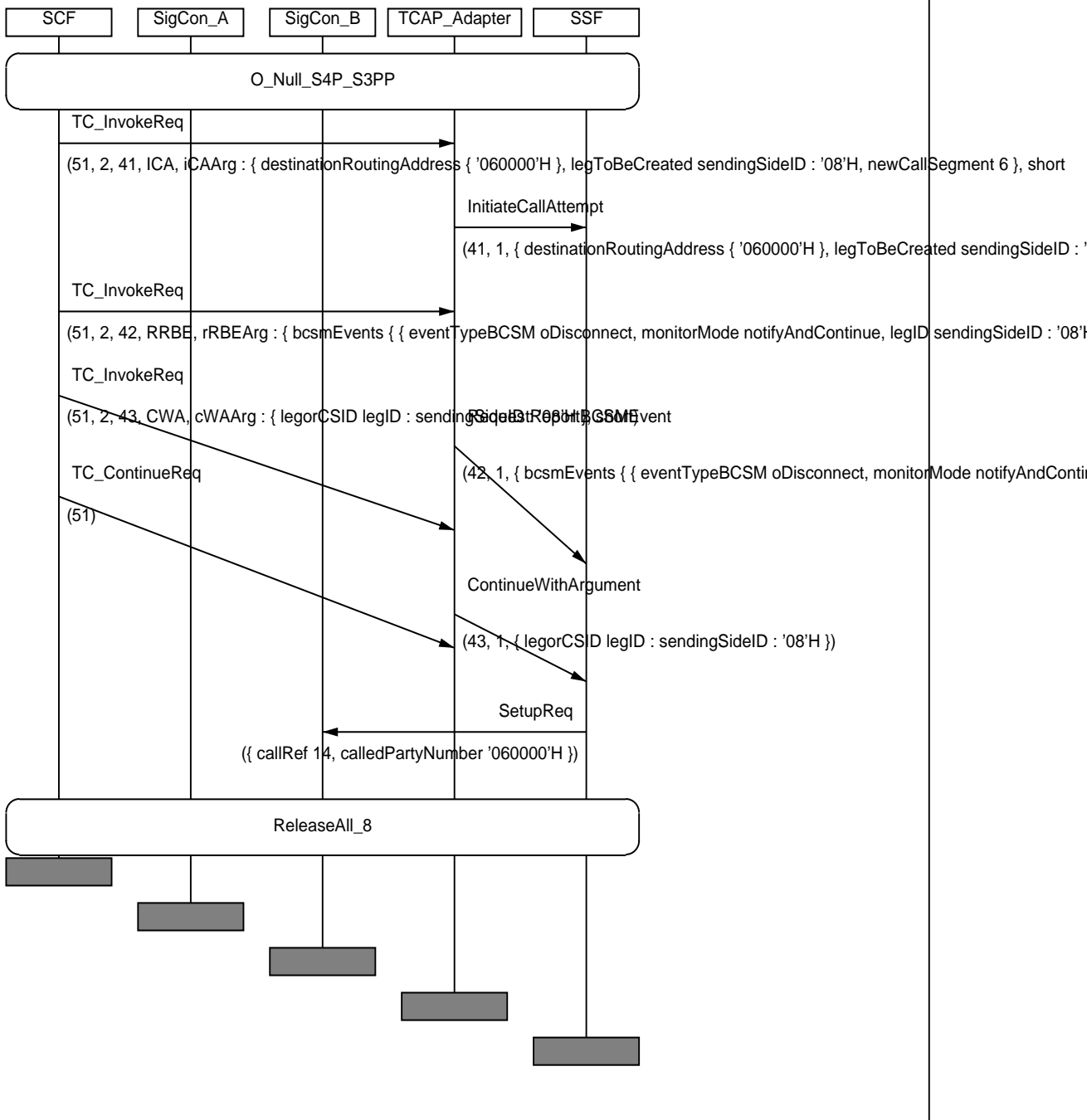
| IN3_A_CPH_MIX_17 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_62 |
| IN2 Ref(tmp) | IN2_A_CPH_035 |
| Purpose: | Verify that the SSF, being in the CS configuration according to preamble O_null_S4P_S3PP , sends to the SCF a SplitLeg returnResult component, when having received from the SCF a SplitLeg invoke component (legToBeSplit=7,newcsID=4), and sends to the SCF a MoveLeg ReturnResult component after having received from the SCF a MoveLeg invoke component with parameters legIDToMove =1 and targetCS=4. |
| Requirements refs | 6.5.1.2.1, 6.5.1.2.3, 6.6.3.4.2, 6.6.3.4.2.7, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 11.15, 11.31, 11.46 |
| Selection Cond. | |
| Preamble: | O_null_S4P_S3PP |
| Test description | L1!SplitLeg(7,4) L1!ContinueWithArgument(csID=4) L1!ContinueWithArgument(csID=2) L1!MoveLeg(1,4) L1!ContinueWithArgument(csID=4) L1!ContinueWithArgument(csID=2) Reaching state O_null_S2PP_S3PP_S2P |
| Pass criteria | SSF sends SplitLegReturnResult SSF sends MoveLegReturnResult |
| Postamble: | ReleaseAll_7 |

MSC IN3_A_CPH_MIX_17



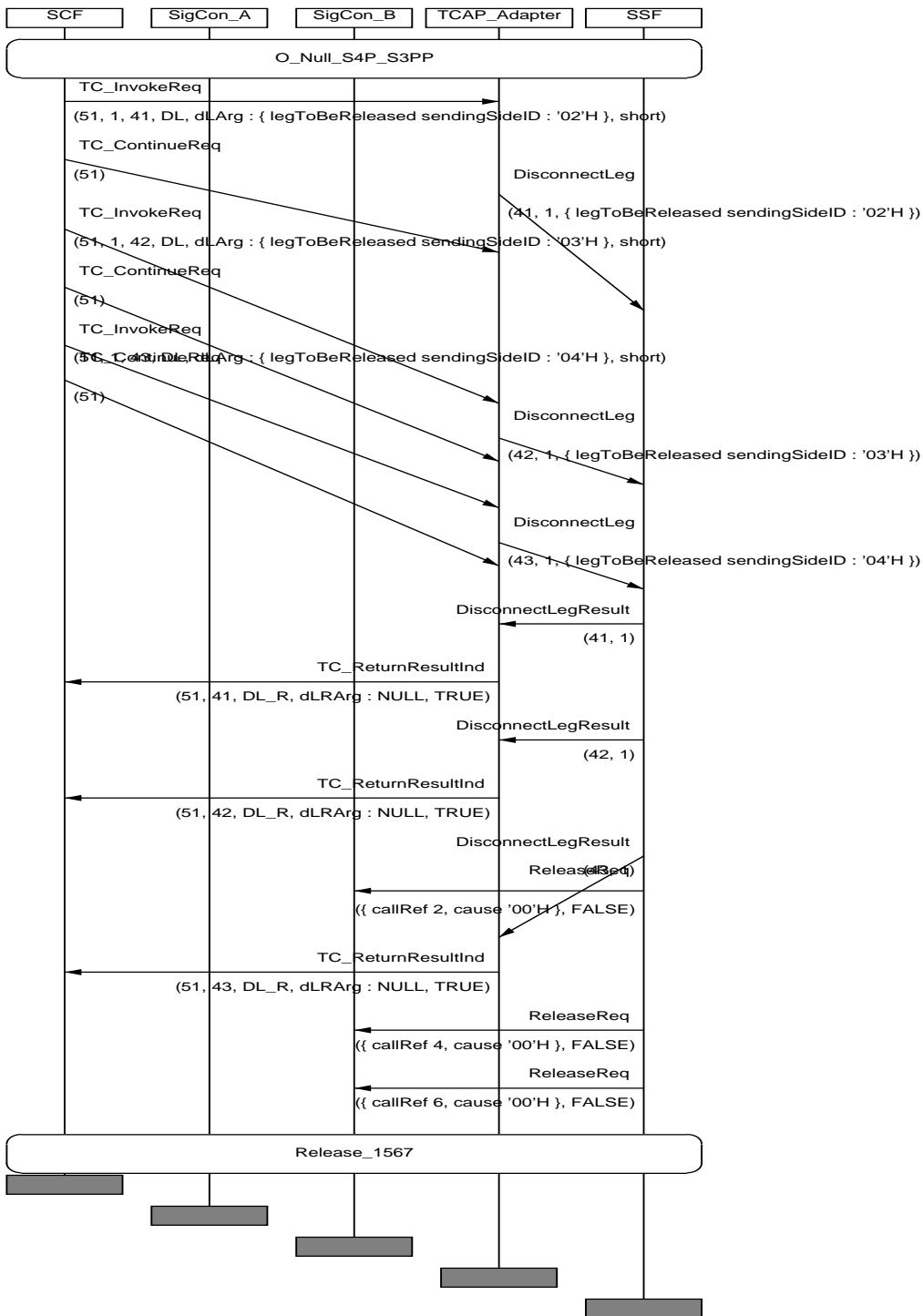
| IN3_A_CPH_MIX_18 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_63 |
| IN2 Ref(tmp) | IN2_A_CPH_036 |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble O_null_S4P_S3PP , sends a SetupReq to SigConH (leg 8) after having received from the SCF an InitiateCallAttempt (legToBeCreated=8,newcsID=4) invoke component, followed by a ContinueWithArgument invoke component with parameter legID=8. |
| Requirements refs | 6.5.1.2.1, 6.5.1.2.3, 6.6.3.4.2.7, 8.2, 8.2.1, 8.2.1.1, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 11.15, 11.27 |
| Selection Cond. | |
| Preamble: | O_null_S4P_S3PP |
| Test description | L1!InitiateCallAttempt(8,1) L1!RequestReportBCSMEvent(8,notifyAndContinue,oDisconnect) L1!ContinueWithArgument(legID=8) |
| Pass criteria | CP1_8?SetupReq |
| Postamble: | ReleaseAll_8 |

MSC IN3_A_CPH_MIX_18



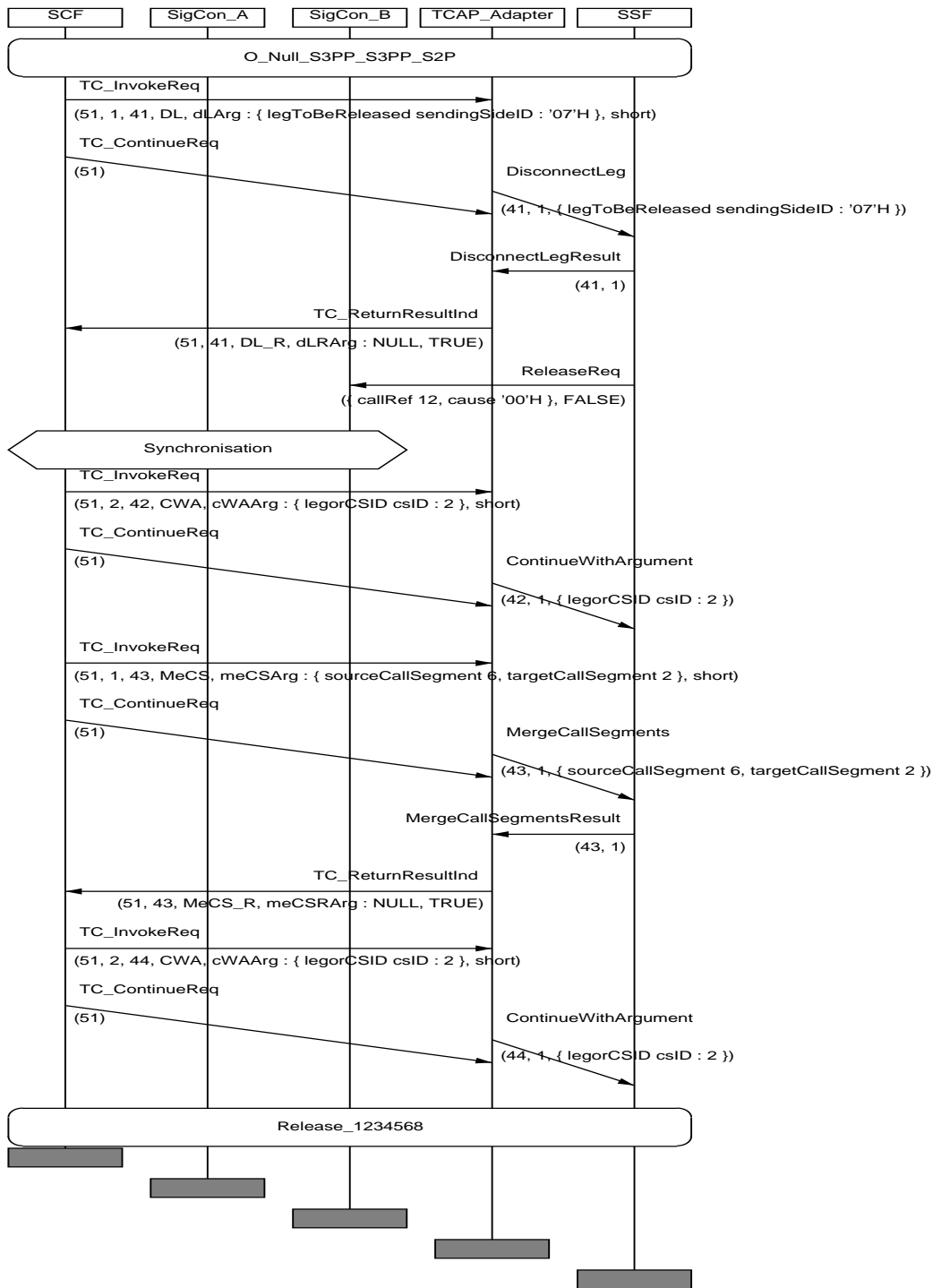
| IN3_A_CPH_MIX_19 | |
|--------------------------|---|
| Work item no.: | ITEM_CPH_64 |
| IN2 Ref(tmp) | IN2_A_CPH_037 |
| Purpose: | Verify that the SSF, being in the CS configuration according to preamble O_null_S4P_S3PP , sends to the SCF 3 successive DisconnectLeg returnResult components, when having received from the SCF DisconnectLeg invoke components for leg 2, leg 3 and leg 4 respectively, and initiates ReleaseReq signals to SigConB (leg 2), SigConC (leg 3) and SigConD (leg 4) after having received from the SCF a ContinueWithArgument (csID=3) invoke component. |
| Requirements refs | 6.5.1.2.3, 6.6.3.4.2.3, 6.6.3.4.2.4, 6.6.3.4.2.5, 6.6.3.4.2.7, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.2, 11.20 |
| Selection Cond. | |
| Preamble: | O_null_S4P_S3PP |
| Test description | 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: | Release_1567 |

MSC IN3_A_CPH_MIX_19



| IN3_A_CPH_MIX_20 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_65 |
| IN2 Ref(tmp) | IN2_A_CPH_038 |
| Purpose: | Verify that the SSF, being in the CS configuration according to preamble O_null_S3PP_S3PP_S2P , sends to the SCF a DisconnectLeg returnResult component, when having received from the SCF a DisconnectLeg invoke component for leg 7, and initiates a ReleaseReq to SigConG (leg 7), after having received from the SCF a ContinueWithArgument (csID=2) invoke component, and sends to the SCF a MergeCallSegments ReturnResult component after having received from the SCF a MergeCallSegments invoke component with parameters sourceCS=6 and targetCS=2. |
| Requirements refs | 6.5.1.2.1, 6.5.1.2.3, 6.6.3.4.2, 6.6.3.4.2.3, 6.6.3.4.2.4, 6.6.3.4.2.5, 6.6.3.4.2.7, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.2, 11.15, 11.20, 11.29 |
| Selection Cond. | |
| Preamble: | O_null_S3PP_S3PP_S2P |
| Test description | L1!DisconnectLeg(7) L1?DisconnectLegReturnResult L1!ContinueWithArgument(csID=2) L1!MergeCallSegments(6,2) L1?MergeCallSegments ReturnResult L1!ContinueWithArgument(csID=2) Reaching O_null_S4P_S3PP |
| Pass criteria | CP1_7?ReleaseReq |
| Postamble: | Release_1234568 |

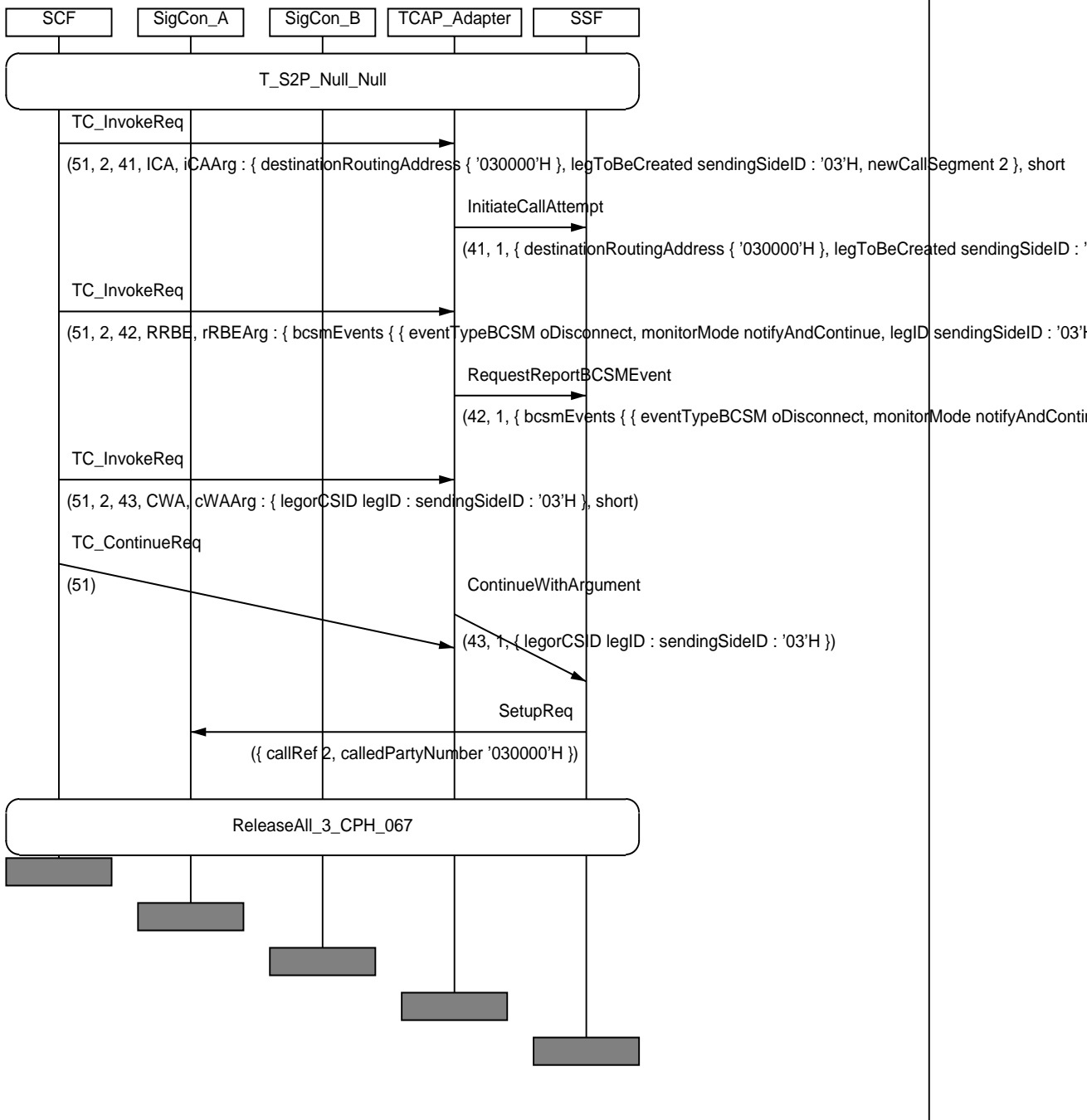
MSC IN3_A_CPH_MIX_20



9.2 Terminating (T_BCSM) trigger (controlling legID = 2)

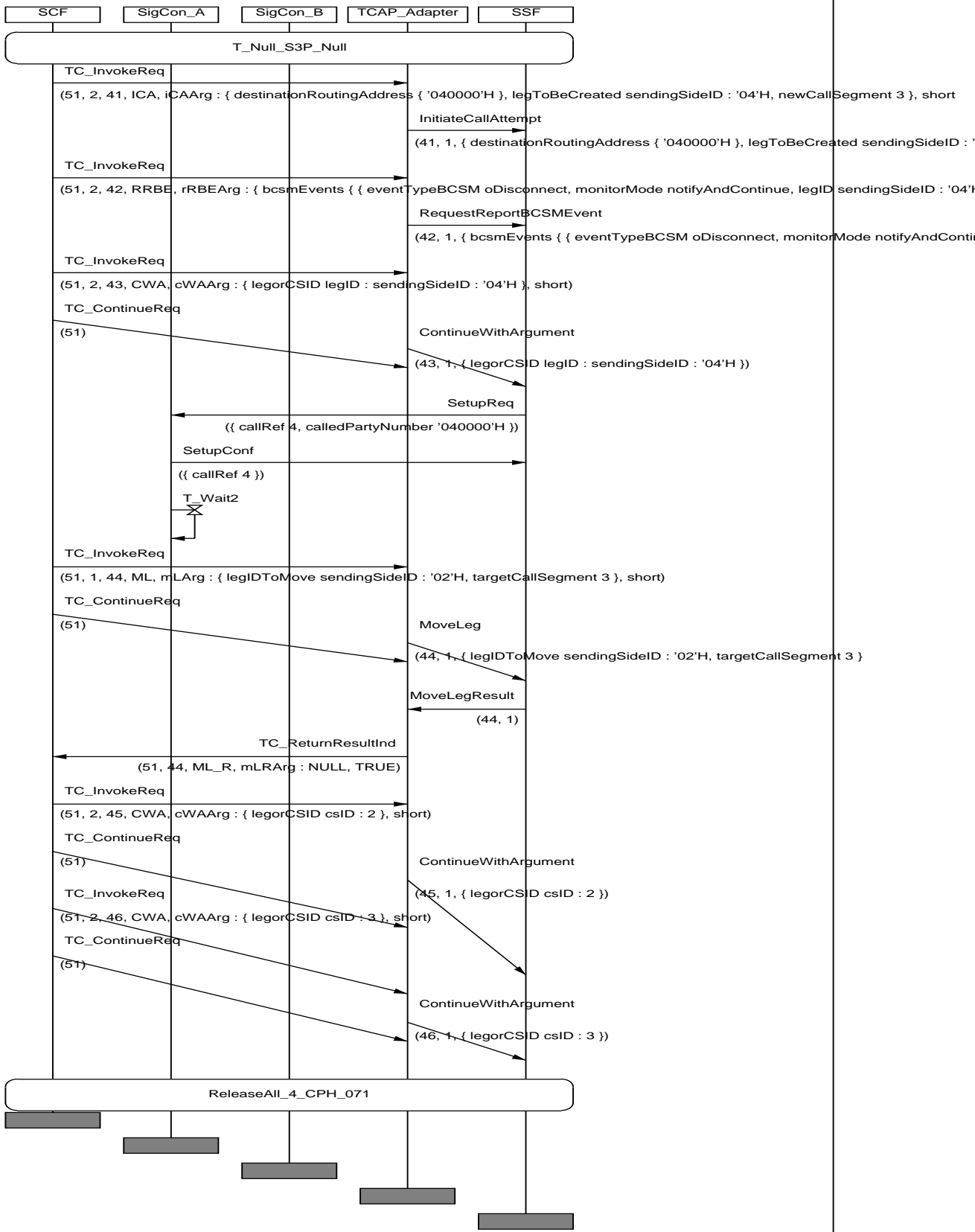
| IN3_A_CPH_MIX_21 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_67 |
| IN2 Ref(tmp) | IN2_A_CPH_040 |
| Purpose: | Verify that the SSF, being in the CS configuration according to preamble T_S2P_null_null, initiates a SetUpReq to SigConC (leg 3), after having received from the SCF an InitiateCallAttempt for (legID=3, csID=2), followed by a ContinueWithArgument invoke component for (legID=3). |
| Requirements refs | 6.5.1.2.1, 6.5.1.2.3, 6.6.3.3.2.1, 6.6.3.4.2, 6.6.3.4.2.7, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 8.3.2, 8.4.2, 11.12, 11.15, 11.38, 11.46 |
| Selection Cond. | |
| Preamble: | T_S2P_null_null |
| Test description | L1!InitiateCallAttempt(3,2) L1!RequestReportBCSMEvent(3,notifyAndContinue,oDisconnect) L1!ContinueWithArgument(legID=3) |
| Pass criteria | CP1_3?SetUpReq |
| Postamble: | ReleaseAll_3_CPH_067 |

MSC IN3_A_CPH_MIX_21



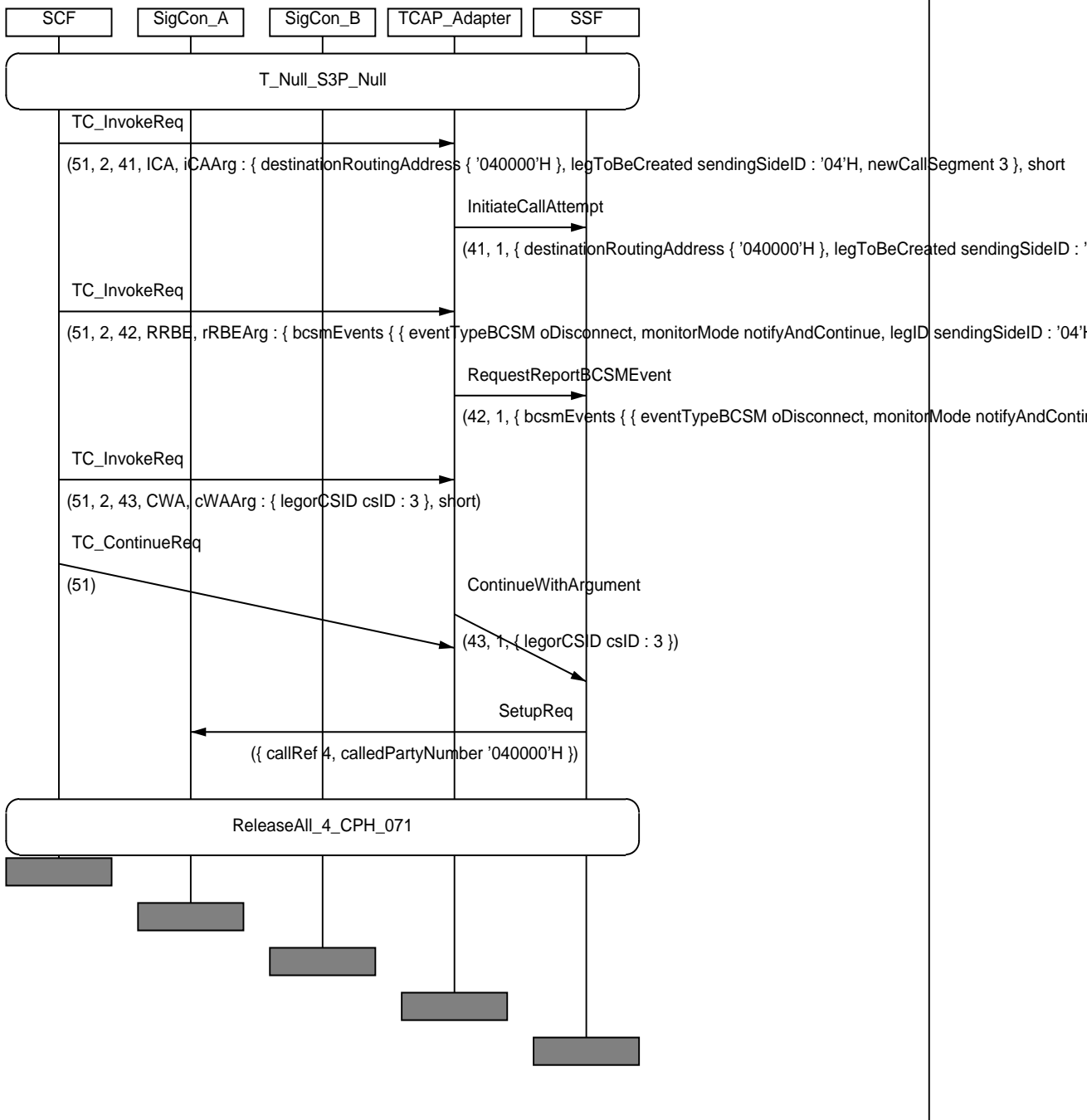
| IN3_A_CPH_MIX_22 | |
|--------------------------|---|
| Work item no.: | ITEM_CPH_71 |
| IN2 Ref(tmp) | IN2_A_CPH_044 |
| Purpose: | Verify that the SSF, being in the CS configuration according to preamble T_null_S3P_null , initiates a SetupReq to SigConD (leg 4), after having received from the SCF an InitiateCallAttempt invoke component for (legToBeCreated=4, csID=3), and sends a MoveLeg ReturnResult component after having received a MoveLeg invoke component for (legToBeMoved=2, targetCsID=3). |
| Requirements refs | 6.5.1.2.1, 6.5.1.2.3, 6.6.3.3.2.1, 6.6.3.4.2, 6.6.3.4.2.7, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 8.3.2, 8.4.2, 11.12, 11.15, 11.38, 11.46 |
| Selection Cond. | |
| Preamble: | T_null_S3P_null |
| Test description | L1!InitiateCallAttempt(4,3) L1!RequestReportBCSMEvent(4,notifyAndContinue,oDisconnect) L1!ContinueWithArgument(legID=4) CP1_4?SetupReq CP1_4!SetupConf L1!MoveLeg(2,3) L1?MoveLeg ReturnResult L1!ContinueWithArgument(csID=2) L1!ContinueWithArgument(csID=3) |
| Pass criteria | SetupReq(1_4) and MoveLeg ReturnResult. |
| Postamble: | ReleaseAll_4_CPH_071 |

MSC IN3_A_CPH_MIX_22



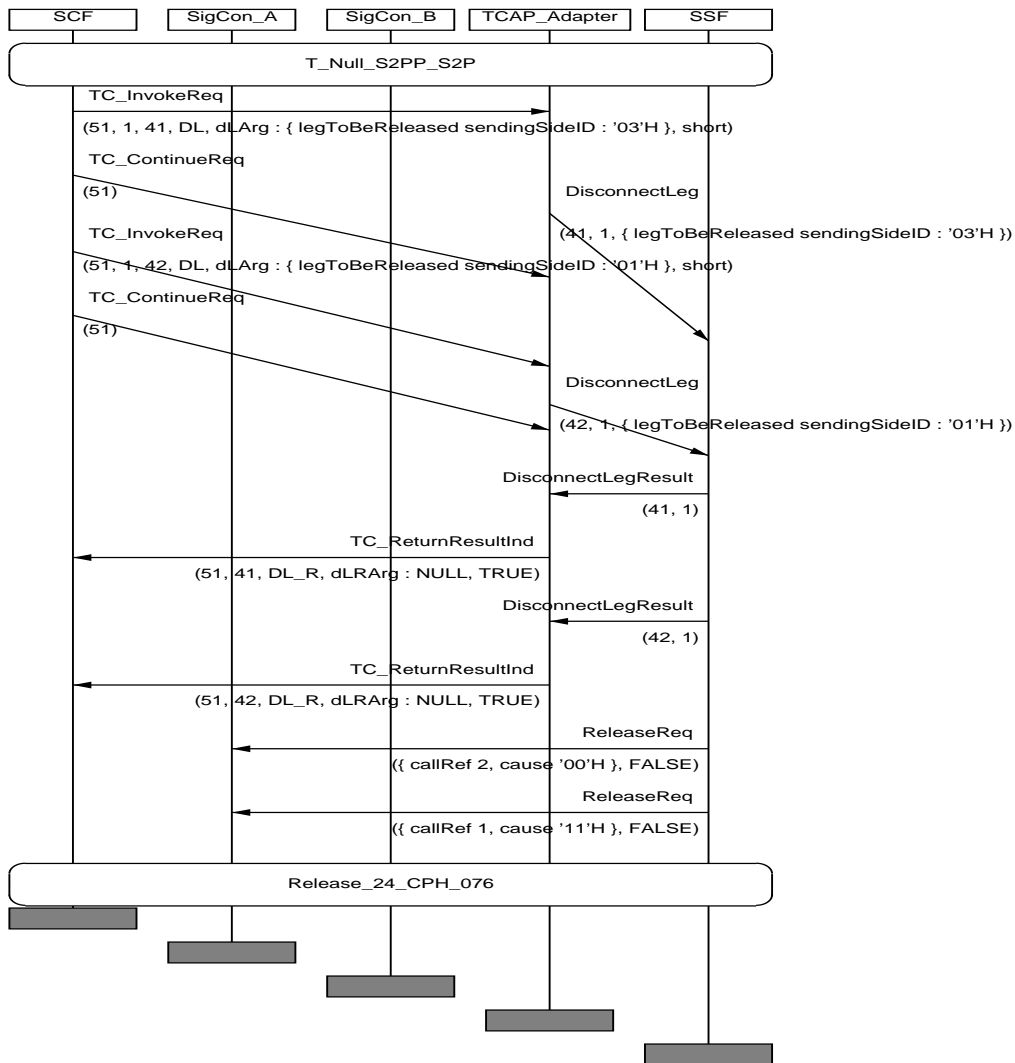
| IN3_A_CPH_MIX_23 | |
|--------------------------|---|
| Work item no.: | ITEM_CPH_74 |
| IN2 Ref(tmp) | IN2_A_CPH_047 |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble T_null_S3P_null , sends a SetupReq to SigConD (leg 4) after having received from the SCF an InitiateCallAttempt (legToBeCreated=4,newcsID=3) invoke component, followed by a ContinueWithArgument invoke component with parameter csID=3. |
| Requirements refs | 6.5.1.2.1, 6.5.1.2.3, 6.6.3.4.2.7, 8.2, 8.2.1, 8.2.1.1, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 11.15, 11.27 |
| Selection Cond. | |
| Preamble: | T_null_S3P_null |
| Test description | L1!InitiateCallAttempt(4,3) L1!RequestReportBCSMEEvent(4,notifyAndContinue,oDisconnect) L1!ContinueWithArgument(csID=3) Reaching state T_null_S3P_OS |
| Pass criteria | CP1_4?SetupReq |
| Postamble: | ReleaseAll_4 |

MSC IN3_A_CPH_MIX_23



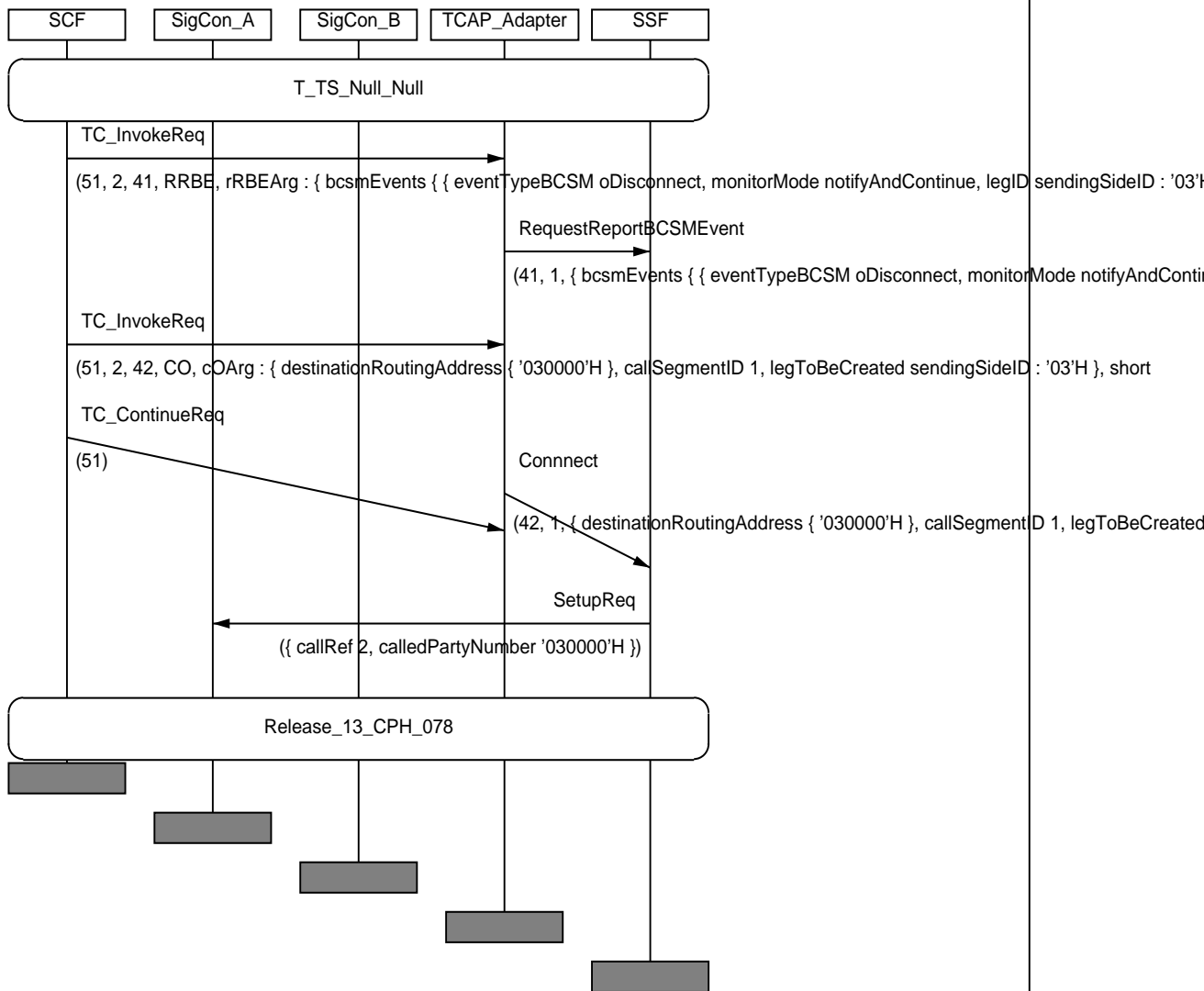
| IN3_A_CPH_MIX_24 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_76 |
| IN2 Ref(tmp) | IN2_A_CPH_049 |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble T_null_S2PP_S2P , sends to the SCF two DisconnectLeg ReturnResult components and to SigConC and SigConA ReleaseReq signals, when having received from the SCF two DisconnectLeg invoke components with parameter legToBeReleased=3 and legToBeReleased=1 respectively. |
| Requirements refs | 6.5.1.2.3, 6.6.3.4.2.3, 6.6.3.4.2.4, 6.6.3.4.2.5, 6.6.3.4.2.7, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.2, 11.20 |
| Selection Cond. | |
| Preamble: | T_null_S2PP_S2P |
| Test description | L1!DisconnectLeg(3) L1!DisconnectLeg(1) L1?DisconnectLegReturnResult L1?DisconnectLegReturnResult CP1_3?ReleaseReq CP1_1?ReleaseReq |
| Pass criteria | CP1_3?ReleaseReq CP1_1?ReleaseReq |
| Postamble: | Release_24_CPH_076 |

MSC IN3_A_CPH_MIX_24



| IN3_A_CPH_MIX_25 | |
|--------------------------|---|
| Work item no.: | ITEM_CPH_78 |
| IN2 Ref(tmp) | IN2_A_CPH_051 |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble T_TS_null_null , sends a SetupReq to SigConC (leg 3) after having received from the SCF an Connect (legToBeCreated=3,csID=1) invoke component. |
| Requirements refs | 6.5.1.2.3, 6.6.3.3.2.1, 6.6.3.4.2.7, 8.2, 8.2.1.2, 8.2.2, 8.3.2, 8.4.2, 11.12, 11.38 |
| Selection Cond. | |
| Preamble: | T_TS_null_null |
| Test description | L1!RequestReportBCSMEvent(3,notifyAndContinue,oDisconnect) L1!Connect(3,1) |
| Pass criteria | CP1_3?SetupReq |
| Postamble: | Release_13_CPH_078 |

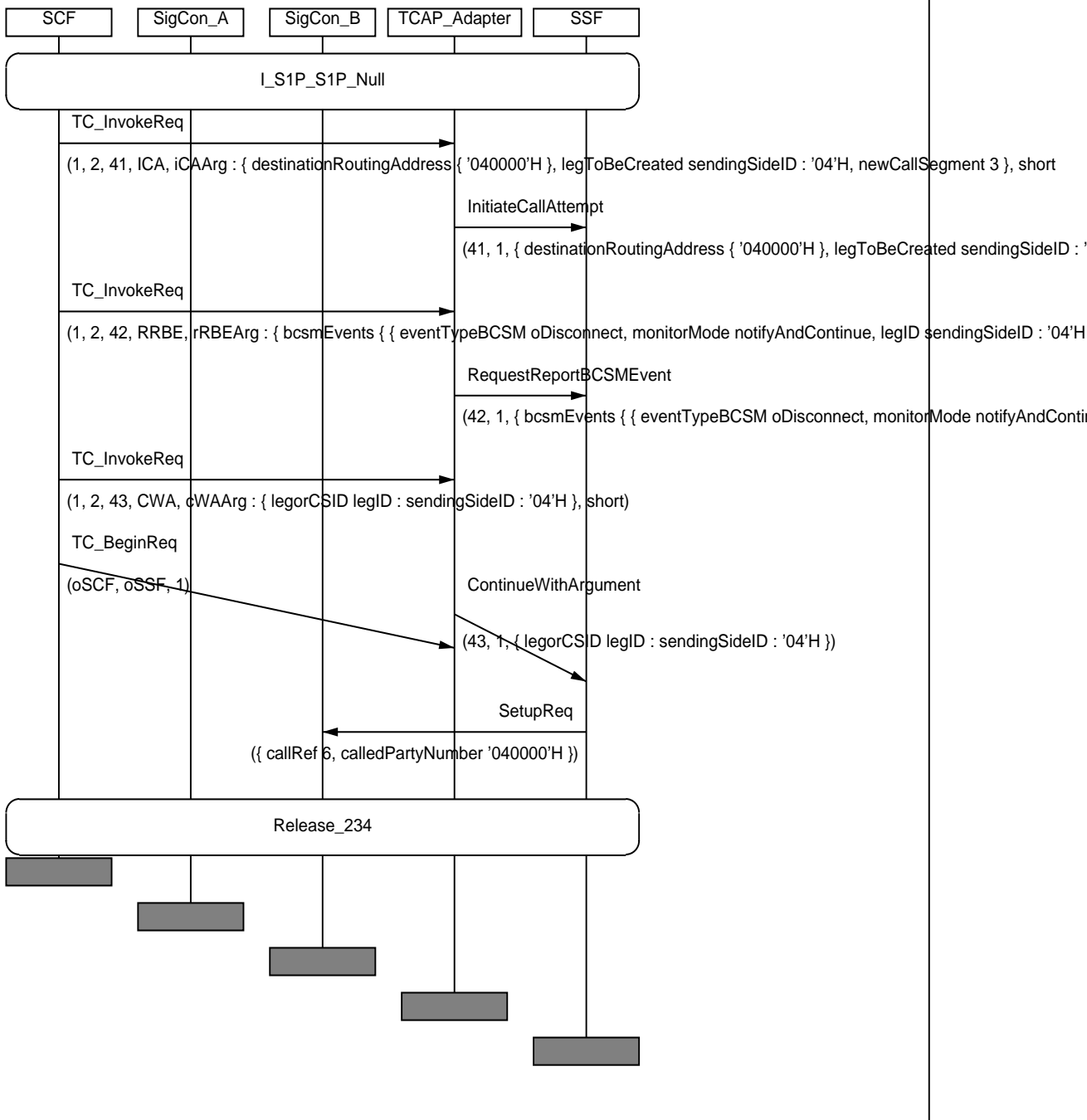
MSC IN3_A_CPH_MIX_25



9.3 Network initiated

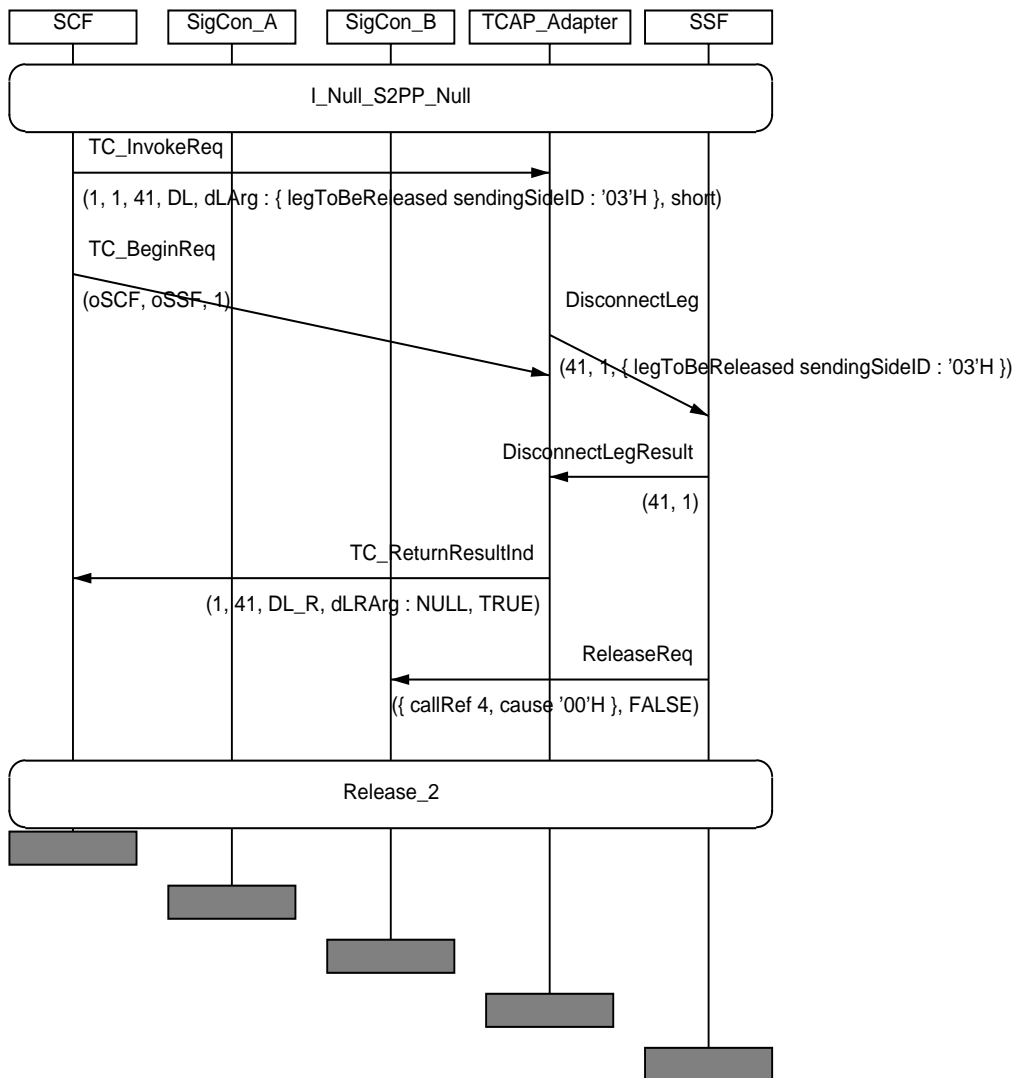
| IN3_A_CPH_MIX_27 | |
|--------------------------|---|
| Work item no.: | ITEM_CPH_80 |
| IN2 Ref(tmp) | IN2_A_CPH_053 |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble I_S1P_S1P_null, sends a SetUpReq to SigConD (leg 4) after having received from the SCF an InitiateCallAttempt (legToBeCreated=4,newcsID=3) invoke component, followed by a ContinueWithArgument invoke component with parameter legID=4. |
| Requirements refs | 6.5.1.2.1, 6.5.1.2.3, 6.6.3.3.2.1, 6.6.3.4.2.7, 8.2, 8.2.1, 8.2.1.1, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 11.15, 11.27, 11.38 |
| Selection Cond. | |
| Preamble: | I_S1P_S1P_null |
| Test description | L1!InitiateCallAttempt(4,3) L1!RequestReportBCSMEvent(4,notifyAndContinue,oDisconnect) L1!ContinueWithArgument(legID=4) Reaching state I_S1P_S1P_S1P |
| Pass criteria | CP1_4?SetUpIpd |
| Postamble: | Release_234 |

MSC IN3_A_CPH_MIX_27



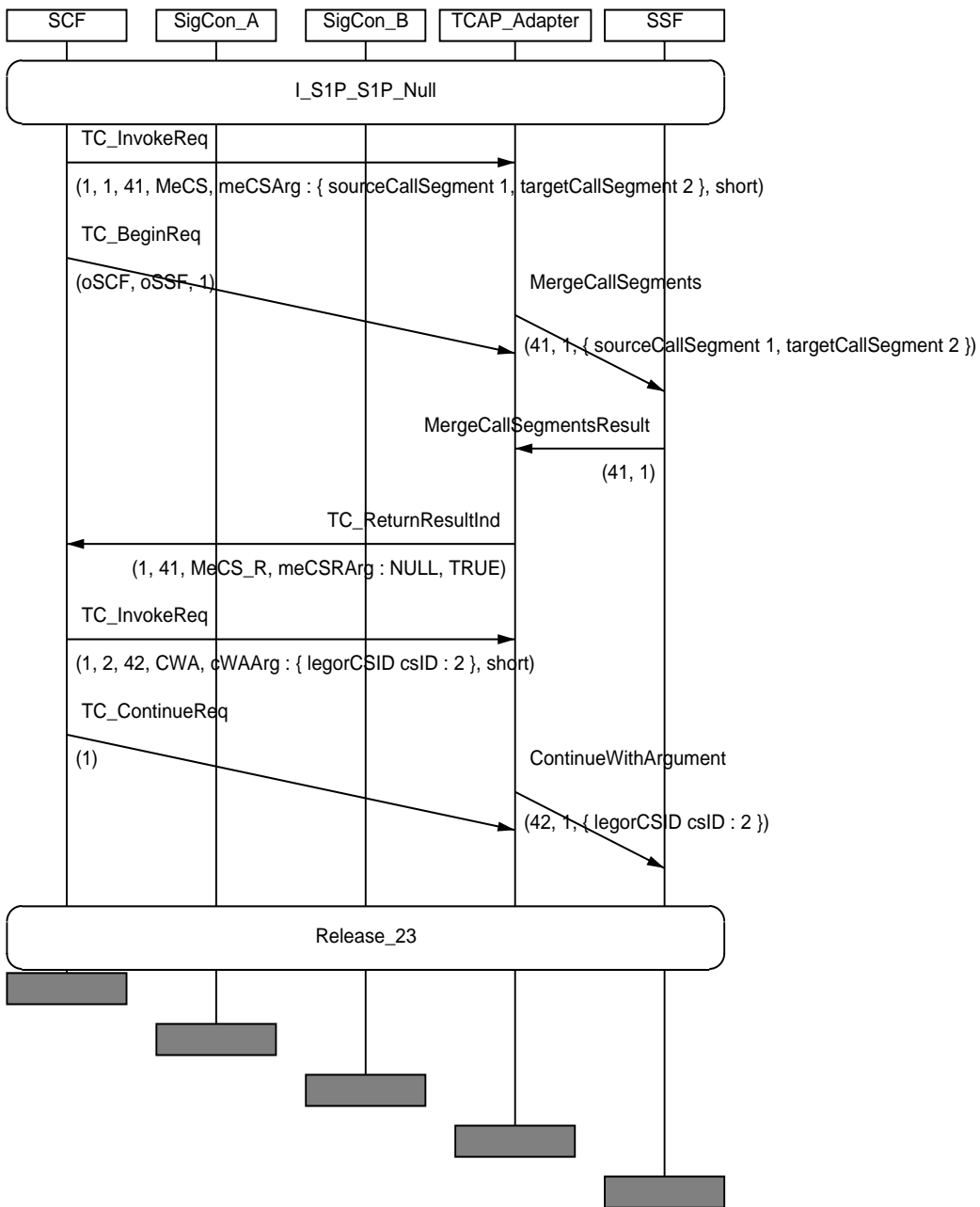
| IN3_A_CPH_MIX_28 | |
|--------------------------|---|
| Work item no.: | ITEM_CPH_83 |
| IN2 Ref(tmp) | IN2_A_CPH_056 |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble I_S1P_S1P_null, sends to the SCF a MergeCallSegments ReturnResult component after having received from the SCF a MergeCallSegments invoke component with parameters sourceCS=1 and targetCS=2. |
| Requirements refs | 6.5.1.2.1, 6.5.1.2.3, 6.6.3.4.2, 6.6.3.4.2.7, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.2, 11.15, 11.29 |
| Selection Cond. | |
| Preamble: | I_S1P_S1P_null |
| Test description | L1!MergeCallSegments(1,2) L1!ContinueWithArgument(csID=2) Reaching state I_null_S2PP_null |
| Pass criteria | SSF sends MergeCallSegments ReturnResult |
| Postamble: | Release_23 |

MSC IN3_A_CPH_MIX_28



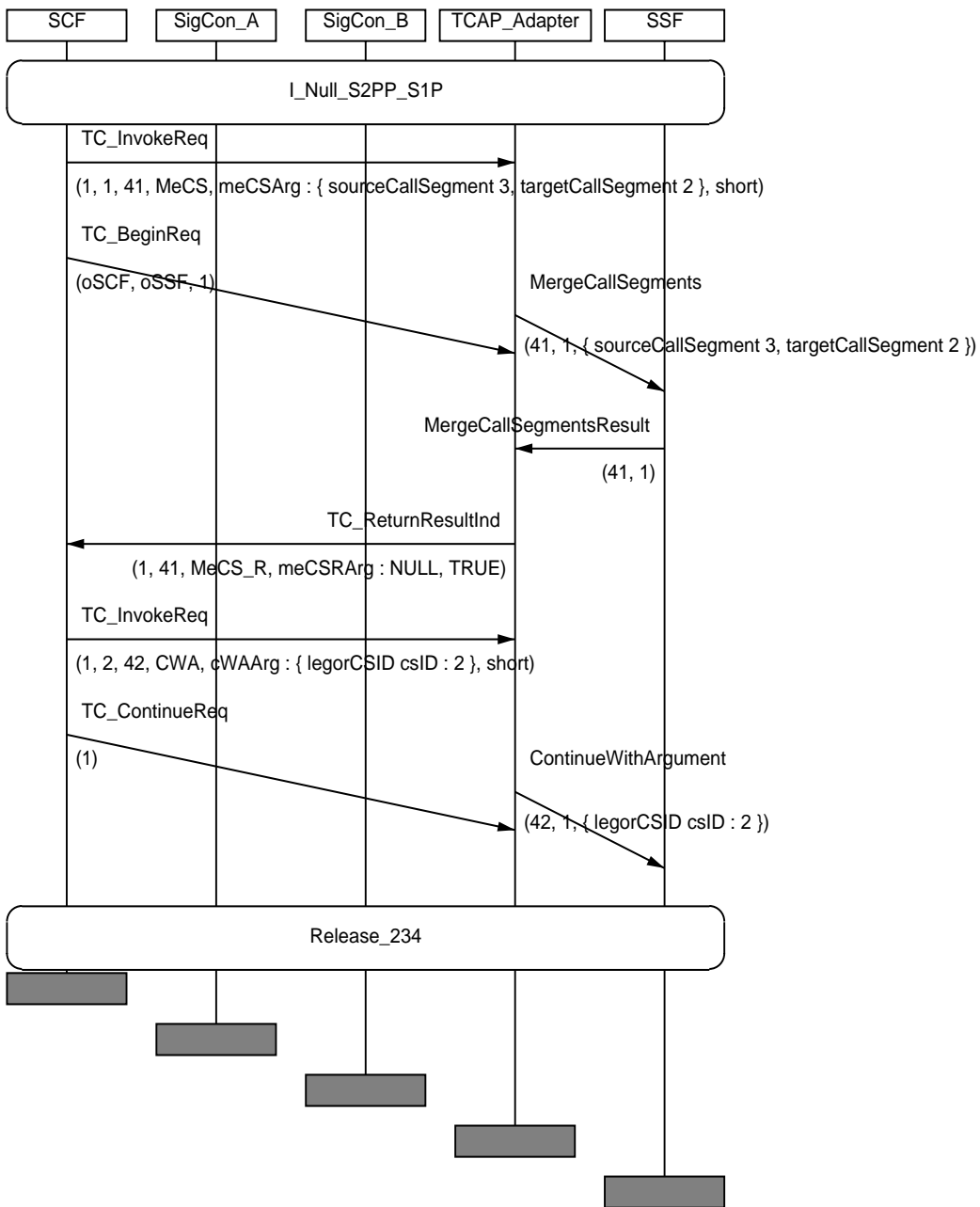
| IN3_A_CPH_MIX_29 | |
|--------------------------|---|
| Work item no.: | ITEM_CPH_82 |
| IN2 Ref(tmp) | IN2_A_CPH_055 |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble I_null_S2PP_null , sends to the SCF a DisconnectLeg ReturnResult component and to SigConC a ReleaseReq signal, when having received from the SCF a DisconnectLeg invoke component with parameter legToBeReleased=3. |
| Requirements refs | 6.5.1.2.3, 6.6.3.4.2.3, 6.6.3.4.2.4, 6.6.3.4.2.5, 6.6.3.4.2.7, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.2, 11.20 |
| Selection Cond. | |
| Preamble: | I_null_S2PP_null |
| Test description | L1!DisconnectLeg(3) L1?DisconnectLegReturnResult Reaching state I_null_S1P_null |
| Pass criteria | CP1_3?ReleaseReq |
| Postamble: | Release_2 |

MSC IN3_A_CPH_MIX_29



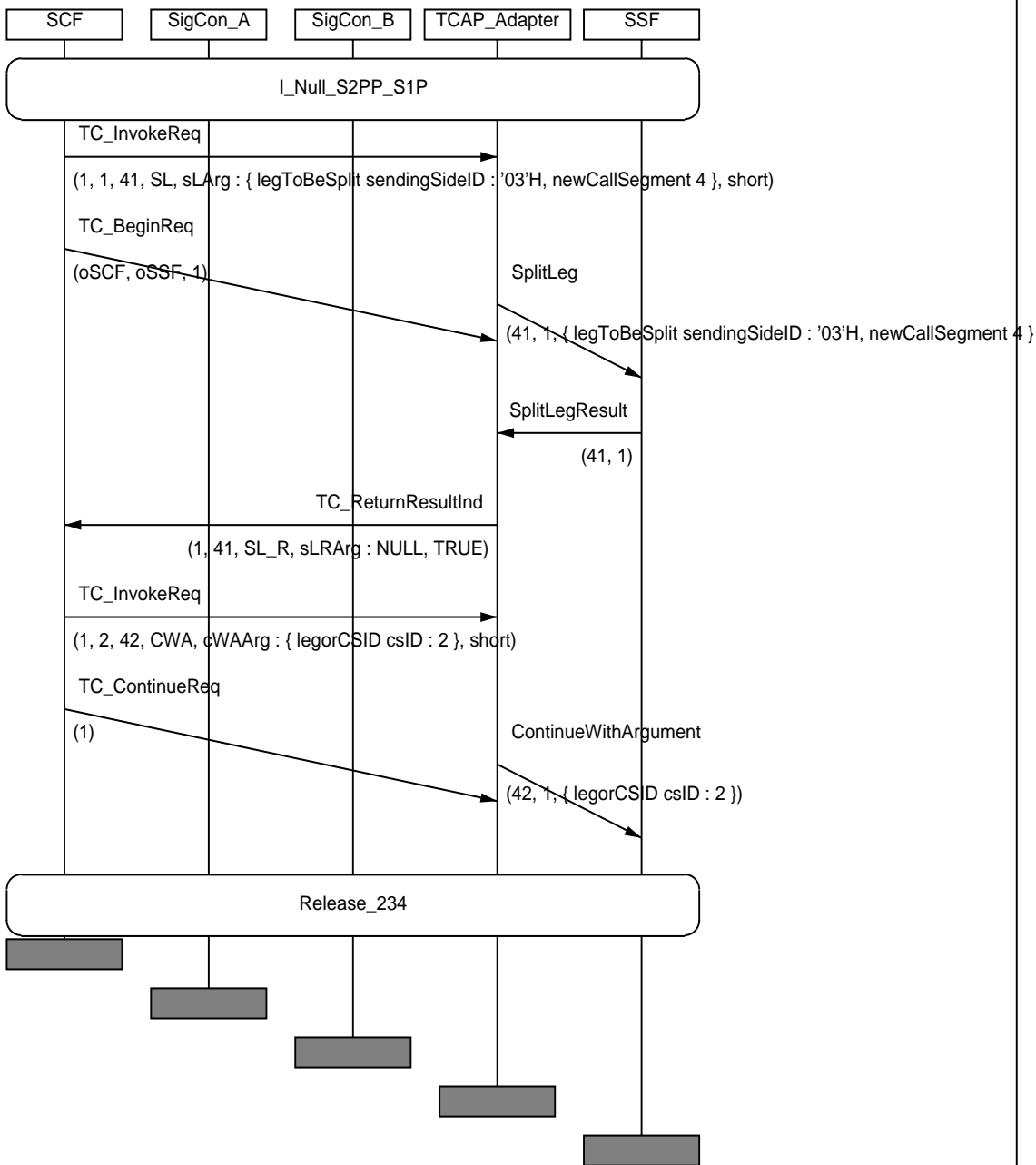
| IN3_A_CPH_MIX_30 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_84 |
| IN2 Ref(tmp) | IN2_A_CPH_057 |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble I_null_S2PP_S1P , sends to the SCF a MergeCallSegments ReturnResult component after having received from the SCF a MergeCallSegments invoke component with parameters sourceCS=3 and targetCS=2. |
| Requirements refs | 6.5.1.2.1, 6.5.1.2.3, 6.6.3.4.2, 6.6.3.4.2.7, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.2, 11.15, 11.29 |
| Selection Cond. | |
| Preamble: | I_null_S2PP_S1P |
| Test description | L1!MergeCallSegments(3,2) L1!ContinueWithArgument(csID=2) Reaching state I_null_S3PP_null |
| Pass criteria | SSF sends MergeCallSegments ReturnResult |
| Postamble: | Release_234 |

MSC IN3_A_CPH_MIX_30



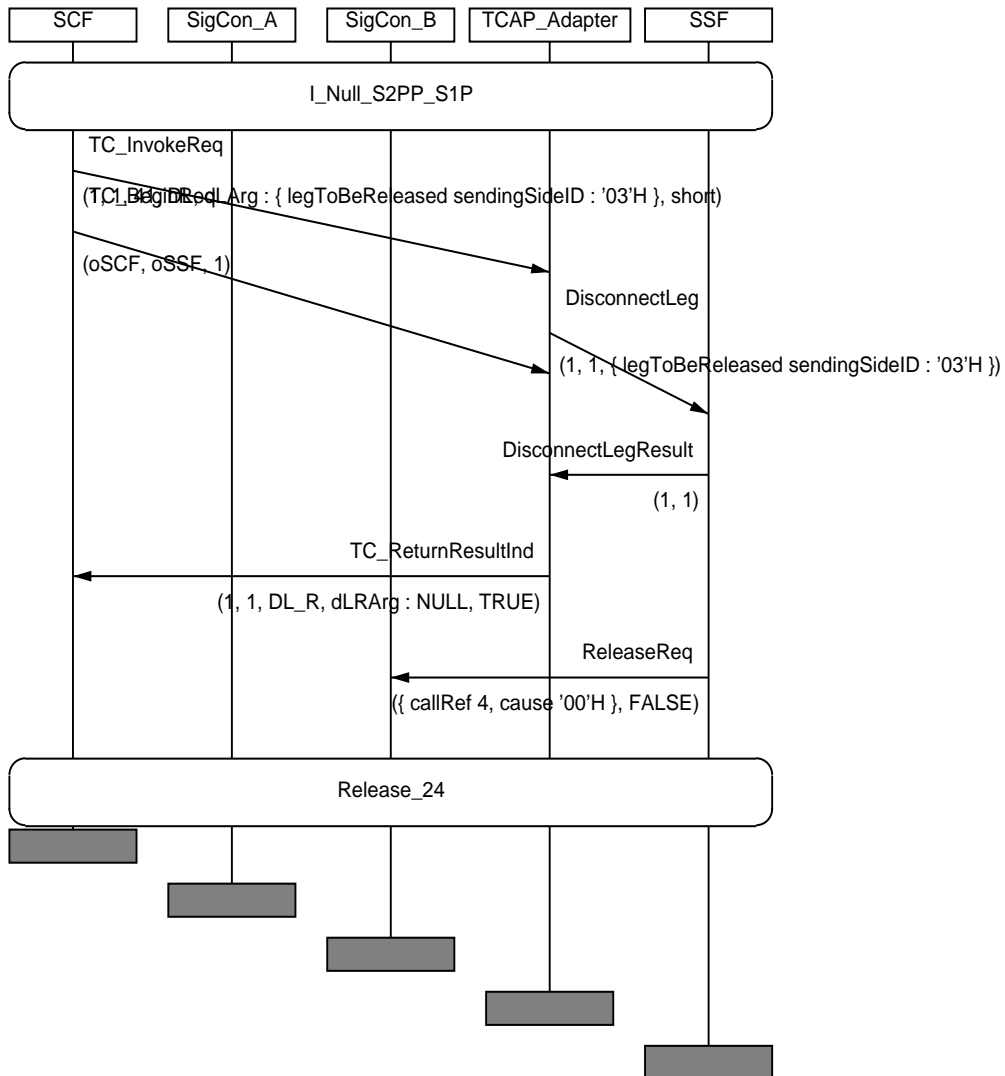
| IN3_A_CPH_MIX_31 | |
|--------------------------|---|
| Work item no.: | ITEM_CPH_85 |
| IN2 Ref(tmp) | IN2_A_CPH_058 |
| Purpose: | Verify that the SSF, being in the CS configuration according to preamble I_null_S2PP_S1P, sends to the SCF a SplitLeg returnResult component, when having received from the SCF a SplitLeg invoke component (legToBeSplit=3,newcsID=4). |
| Requirements refs | 6.5.1.2.1, 6.5.1.2.3, 6.6.3.4.2, 6.6.3.4.2.7, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.1, 8.2.2.2, 11.15, 11.46 |
| Selection Cond. | |
| Preamble: | I_null_S2PP_S1P |
| Test description | L1!SplitLeg(3,4) L1!ContinueWithArgument(csID=2) Reaching state I_null_S1P_S1P_S1P |
| Pass criteria | SSF sends SplitLegReturnResult |
| Postamble: | Release_234 |

MSC IN3_A_CPH_MIX_31



| IN3_A_CPH_MIX_32 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_86 |
| IN2 Ref(tmp) | IN2_A_CPH_059 |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble I_null_S2PP_S1P , sends to the SCF a DisconnectLeg ReturnResult component and to SigConC a ReleaseReq signal, when having received from the SCF a DisconnectLeg invoke component with parameter legToBeReleased=3. |
| Requirements refs | 6.5.1.2.3, 6.6.3.4.2.3, 6.6.3.4.2.4, 6.6.3.4.2.5, 6.6.3.4.2.7, 6.6.3.4.3, 8.2, 8.2.1.2, 8.2.2, 8.2.2.2, 11.20 |
| Selection Cond. | |
| Preamble: | I_null_S2PP_S1P |
| Test description | L1!DisconnectLeg(3) L1?DisconnectLegReturnResult Reaching state I_null_S1P_S1P |
| Pass criteria | CP1_3?ReleaseReq |
| Postamble: | Release_24 |

MSC IN3_A_CPH_MIX_32



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

This clause includes a set of 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.

10.1 Originating (O) trigger

10.1.1 Events coming from the controlling leg (legID=1)

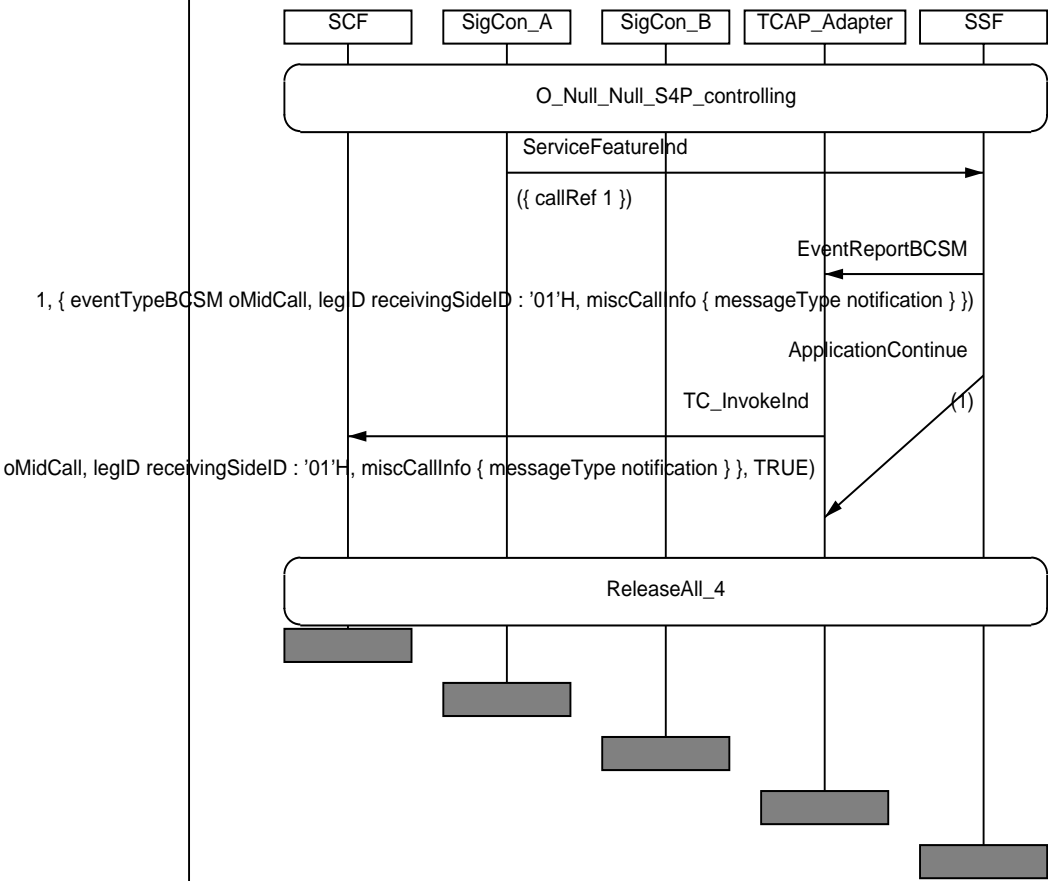
10.1.1.1 All Passive legs are contained in a single Call Segment

10.1.1.1.1 Single event from the controlling leg

| IN3_A_CPH_ARM_01 | |
|--------------------------|---|
| Work item no.: | ITEM_CPH_88 |
| IN2 Ref(tmp) | IN2_A_CPH_061 |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble O_null_null_S4P_controlling, having armed events oMidCall and oDisconnect on leg1 (controlling), events oDisconnect, oSuspend on leg2, leg3 and leg4 (passive), sends exactly one EventReportBCSM invoke component indicating (leg1,oDisconnect) after having received ReleaseInd(Normal clearing) from SigConA. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.24 |
| Selection Cond. | |
| Preamble: | O_null_null_S4P_controlling |
| Test description | CP1_1!ReleaseInd(Normal clearing) L1?EventReportBCSM (1,oDisconnect) is received only once (filtering rules apply) L1!ContinueWithArgument(legID=1) |
| Pass criteria | L1?EventReportBCSM (1,oDisconnect) is received only once (filtering rules apply) |
| Postamble: | Release_234 |

| IN3_A_CPH_ARM_02 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_89 |
| IN2 Ref(tmp) | IN2_A_CPH_063 |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble O_null_null_S4P_controlling, having armed events oMidCall and oDisconnect on leg1 (controlling), events oDisconnect, oSuspend on leg2, leg3 and leg4 (passive), sends exactly one EventReportBCSM invoke component indicating (leg1,oDisconnect) after having received ServiceFeatureIndication from SigConA. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.24 |
| Selection Cond. | |
| Preamble: | O_null_null_S4P_controlling |
| Test description | CP1_1!ServiceFeatureIndication |
| Pass criteria | L1?EventReportBCSM (1,oMidCall) is received only once (filtering rules apply) |
| Postamble: | ReleaseAll_4 |

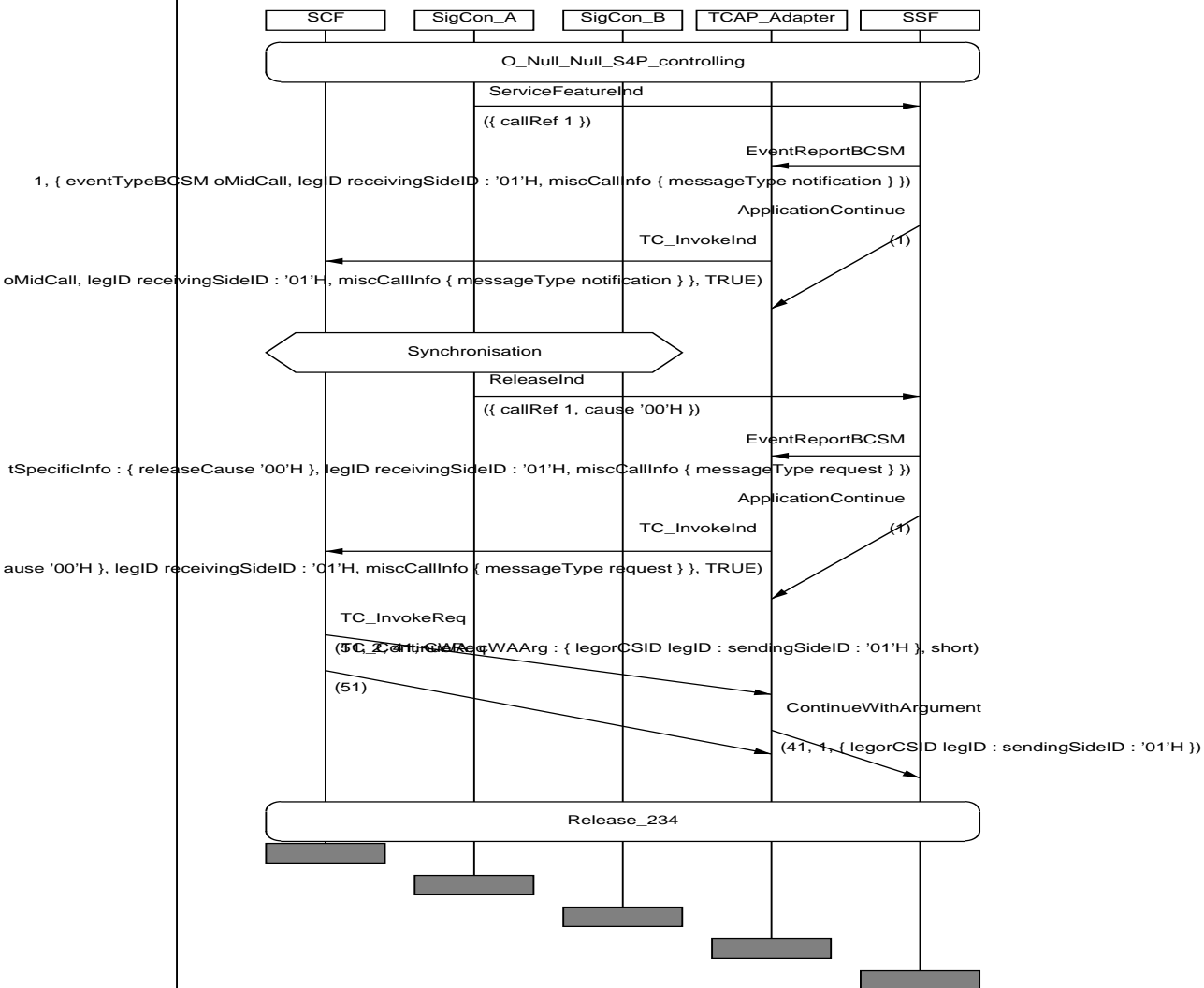
MSC IN3_A_CPH_ARM_02



10.1.1.1.2 Multiple events from the controlling leg

| IN3_A_CPH_ARM_03 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_90 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble O_null_null_S4P_controlling, having armed events oMidCall and oDisconnect on leg1 (controlling), events oDisconnect, oSuspend on leg2, leg3 and leg4 (passive), sends exactly one EventReportBCSM invoke component indicating (leg1,oDisconnect) after having received ServiceFeatureIndication from SigConA. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.24 |
| Selection Cond. | |
| Preamble: | O_null_null_S4P_controlling |
| Test description | CP1_1!ServiceFeatureIndication CP1_1!ReleaseInd(Normal clearing) L1?EventReportBCSM (1,oMidCall) is received only once (filtering rules apply) L1?EventReportBCSM (1,oDisconnect) is received only once (filtering rules apply) L1!ContinueWithArgument(legID=1) |
| Pass criteria | L1?EventReportBCSM (1,oMidCall) is received only once (filtering rules apply) L1?EventReportBCSM (1,oDisconnect) is received only once (filtering rules apply) |
| Postamble: | Release_234 |

MSC IN3_A_CPH_ARM_03



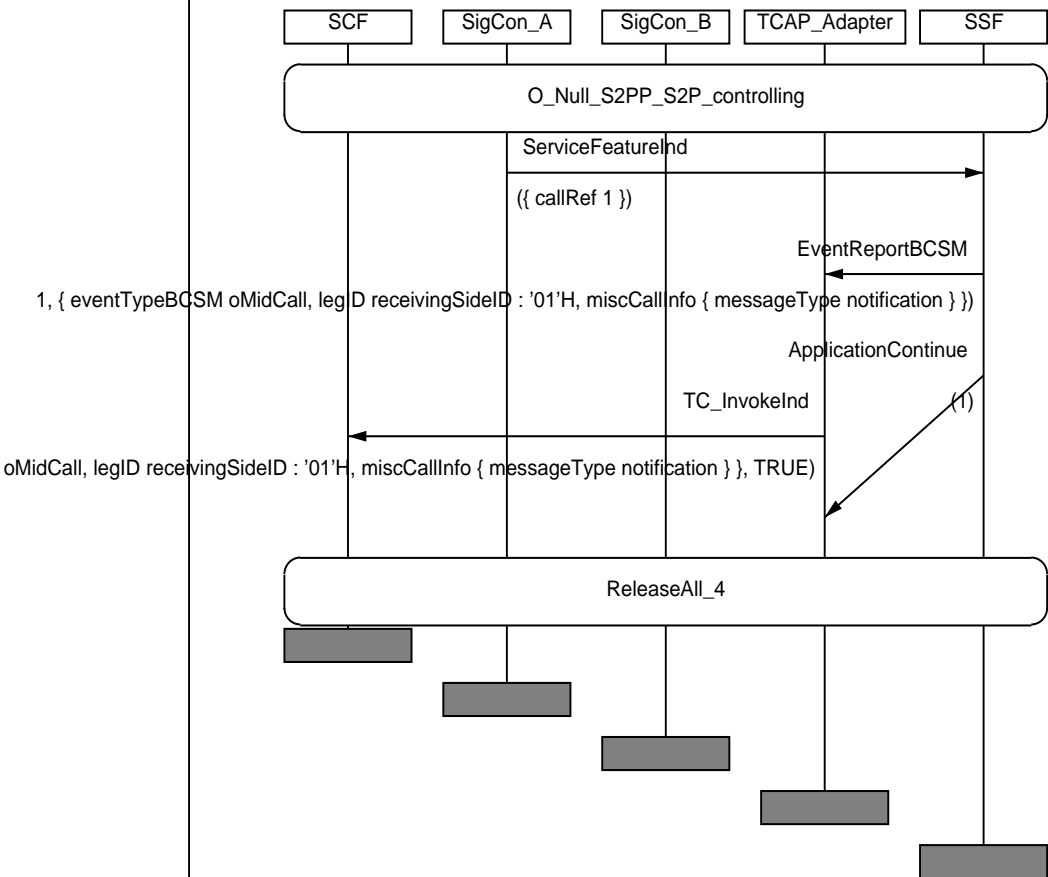
10.1.1.2 Passive legs are contained in multiple Call Segments

10.1.1.2.1 Single event from the controlling leg

| IN3_A_CPH_ARM_04 | |
|--------------------------|---|
| Work item no.: | ITEM_CPH_91 |
| IN2 Ref(tmp) | IN2_A_CPH_062 |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble O_null_S2PP_S2P_controlling, having armed events oMidCall and oDisconnect on leg1 (controlling), events oSuspend and oDisconnect on leg2, leg3 and leg4 (passive) , sends exactly one EventReportBCSM invoke component indicating (leg1,oDisconnect) after having received ReleaseInd(Normal clearing) from SigConA. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.24 |
| Selection Cond. | |
| Preamble: | O_null_S2PP_S2P_controlling |
| Test description | CP1_1!ReleaseInd(Normal clearing) L1?EventReportBCSM(1,oDisconnect) L1!ContinueWithArgument(legID=1) |
| Pass criteria | L1? EventReportBCSM (1,oDisconnect) is received only once (filtering rules apply) |
| Postamble: | Release_234 |

| IN3_A_CPH_ARM_05 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_92 |
| IN2 Ref(tmp) | IN2_A_CPH_064 |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble O_null_S2PP_S2P_controlling, having armed events oMidCall and oDisconnect on leg1 (controlling), events oDisconnect, oSuspend on leg2, leg3 and leg4 (passive), sends exactly one EventReportBCSM invoke component indicating (leg1,oDisconnect) after having received ServiceFeatureIndication from SigConA. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.24 |
| Selection Cond. | |
| Preamble: | O_null_S2PP_S2P_controlling |
| Test description | CP1_1!ServiceFeatureIndication |
| Pass criteria | L1?EventReportBCSM (1,oMidCall) is received only once (filtering rules apply) |
| Postamble: | ReleaseAll_4 |

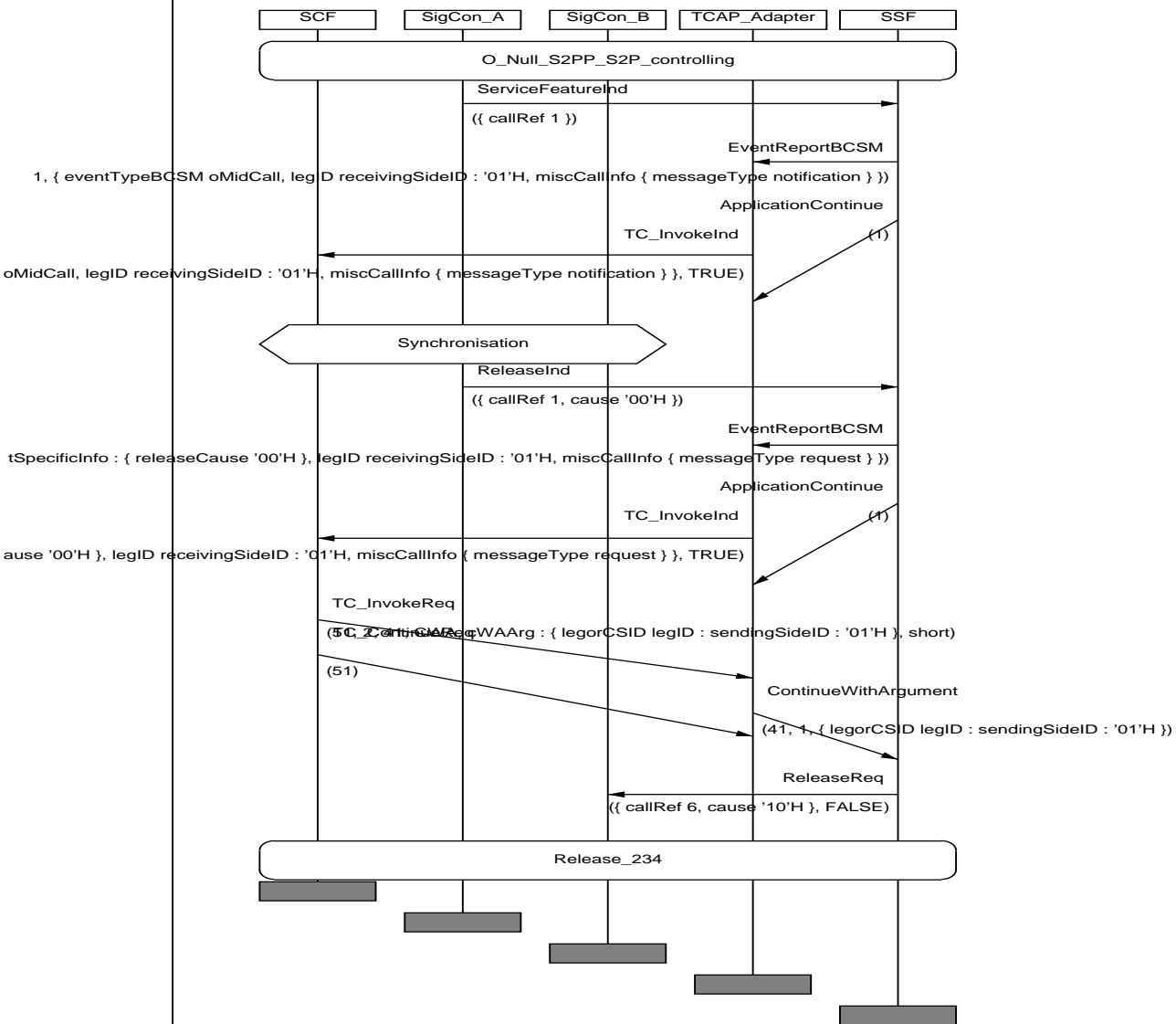
MSC IN3_A_CPH_ARM_05



10.1.1.2.2 Multiple events from the controlling leg

| IN3_A_CPH_ARM_06 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_93 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble O_null_S2PP_S2P_controlling, having armed events oMidCall and oDisconnect on leg1 (controlling), events oDisconnect, oSuspend on leg2, leg3 and leg4 (passive), sends exactly one EventReportBCSM invoke component indicating (leg1,oDisconnect) after having received ServiceFeatureIndication followed by ReleaseInd(Normal clearing) from SigConA. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.24 |
| Selection Cond. | |
| Preamble: | O_null_S2PP_S2P_controlling |
| Test description | CP1_1!ServiceFeatureIndication CP1_1!ReleaseInd(Normal clearing) L1?EventReportBCSM (1,oMidCall) is received only once (filtering rules apply) L1?EventReportBCSM (1,oDisconnect) is received only once (filtering rules apply) L1!ContinueWithArgument(legID=1) |
| Pass criteria | L1?EventReportBCSM (1,oMidCall) is received only once (filtering rules apply) L1?EventReportBCSM (1,oDisconnect) is received only once (filtering rules apply) |
| Postamble: | Release_234 |

MSC IN3_A_CPH_ARM_06



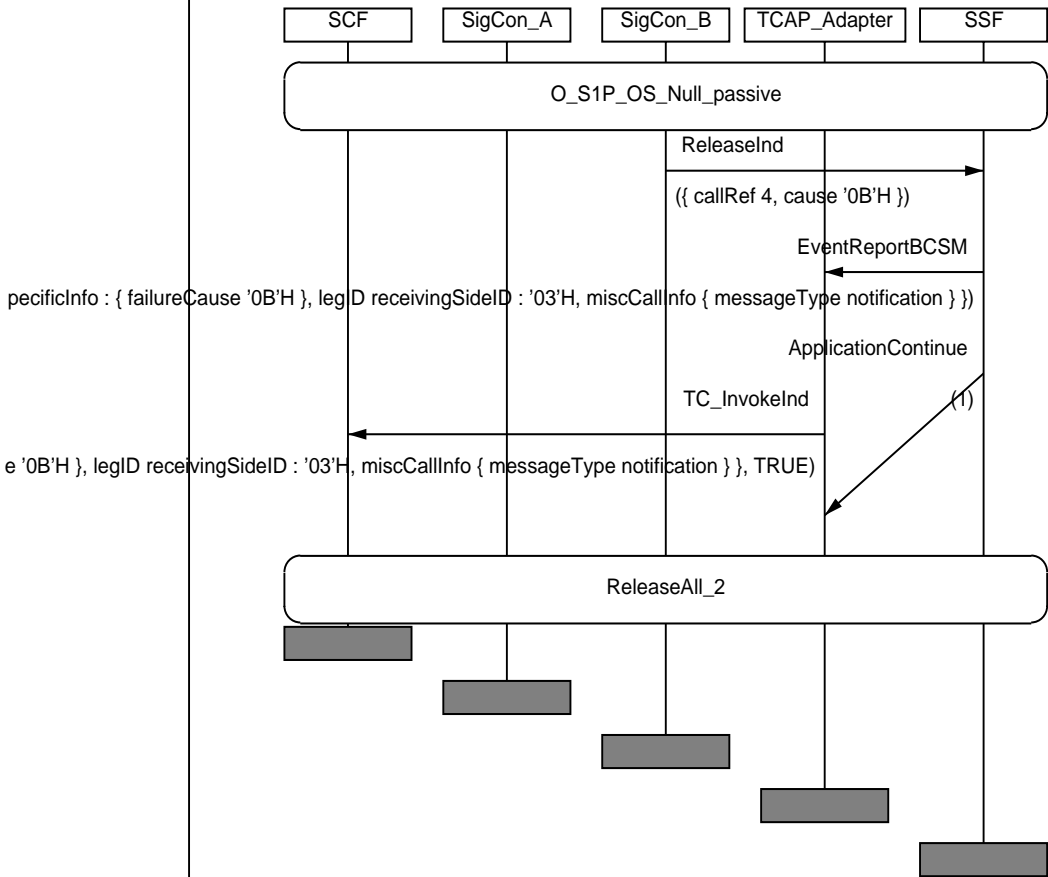
10.1.2 Events coming from passive legs (legID= 2,3,4)

10.1.2.1 Passive legs contained in multiple Call Segments

10.1.2.1.1 Single event from a single passive leg

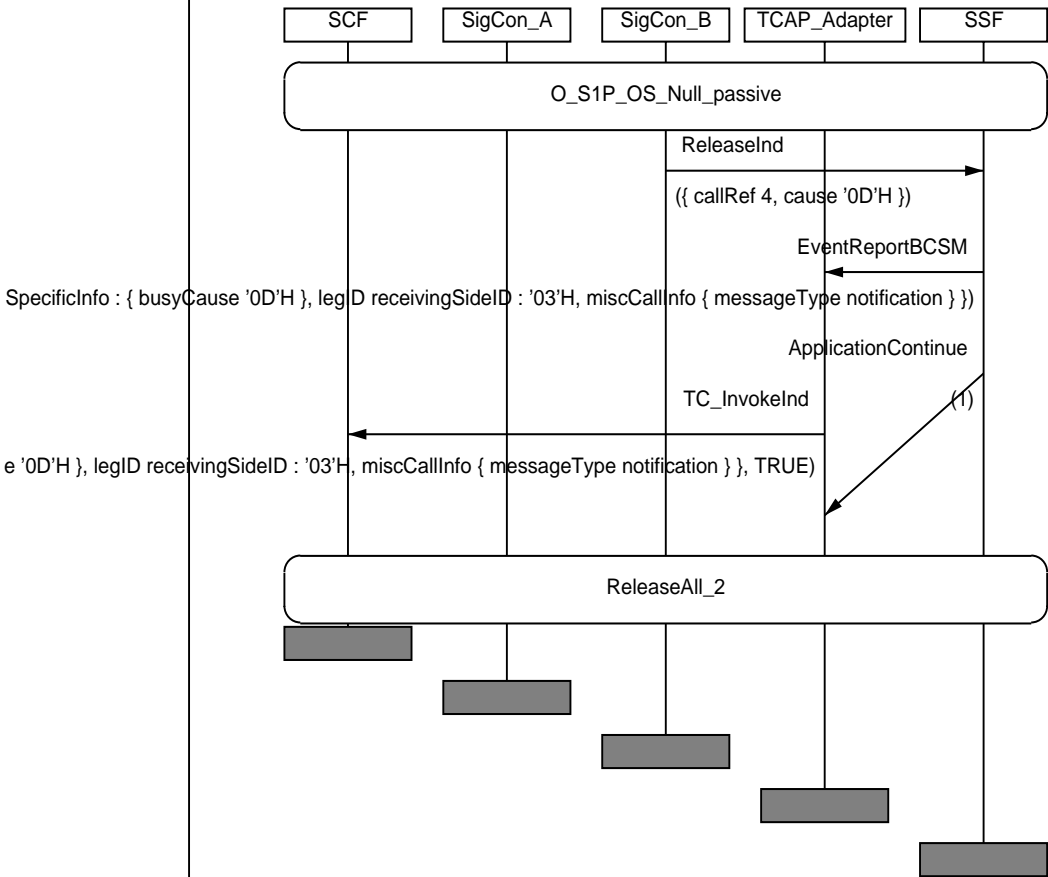
| IN3_A_CPH_ARM_07 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_96 |
| IN2 Ref(tmp) | Not provided |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble O_S1P_OS_null_passive, having armed events oMidCall and oDisconnect on leg1 (controlling), events oDisconnect, oSuspend on leg2 (passive), events routeSelectFailure, oCalledPartyBusy, oAnswer, oDisconnect, oSuspend on leg3 (passive), sends exactly one EventReportBCSM invoke component indicating (routeSelectFailure) after having received ReleaseInd(Route Select Failure cause) from SigConC. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.24 |
| Selection Cond. | |
| Preamble: | O_S1P_OS_null_passive |
| Test description | CP1_3!ReleaseInd(Route Select Failure cause) |
| Pass criteria | L1?EventReportBCSM(3,routeSelectFailure) |
| Postamble: | ReleaseAll_2 |

MSC IN3_A_CPH_ARM_07



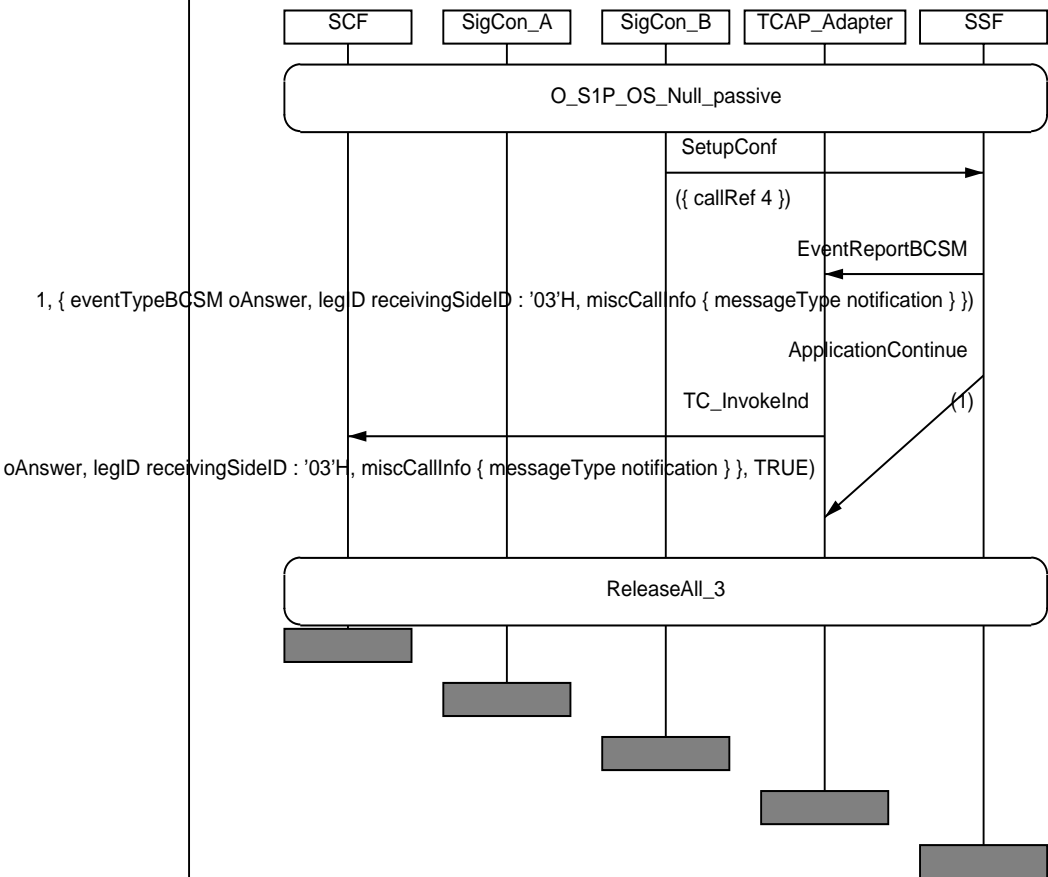
| IN3_A_CPH_ARM_08 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_97 |
| IN2 Ref(tmp) | Not provided |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble O_S1P_OS_null_passive, having armed events oMidCall and oDisconnect on leg1 (controlling), events oDisconnect, oSuspend on leg2 (passive), events routeSelectFailure, oCalledPartyBusy, oAnswer, oDisconnect, oSuspend on leg3 (passive), sends exactly one EventReportBCSM invoke component indicating (oCalledPartyBusy) after having received ReleaseInd(Busy cause) from SigConC. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.24 |
| Selection Cond. | |
| Preamble: | O_S1P_OS_null_passive |
| Test description | CP1_3!ReleaseInd(Busy cause) |
| Pass criteria | L1?EventReportBCSM(3,oCalledPartyBusy) |
| Postamble: | ReleaseAll_2 |

MSC IN3_A_CPH_ARM_08



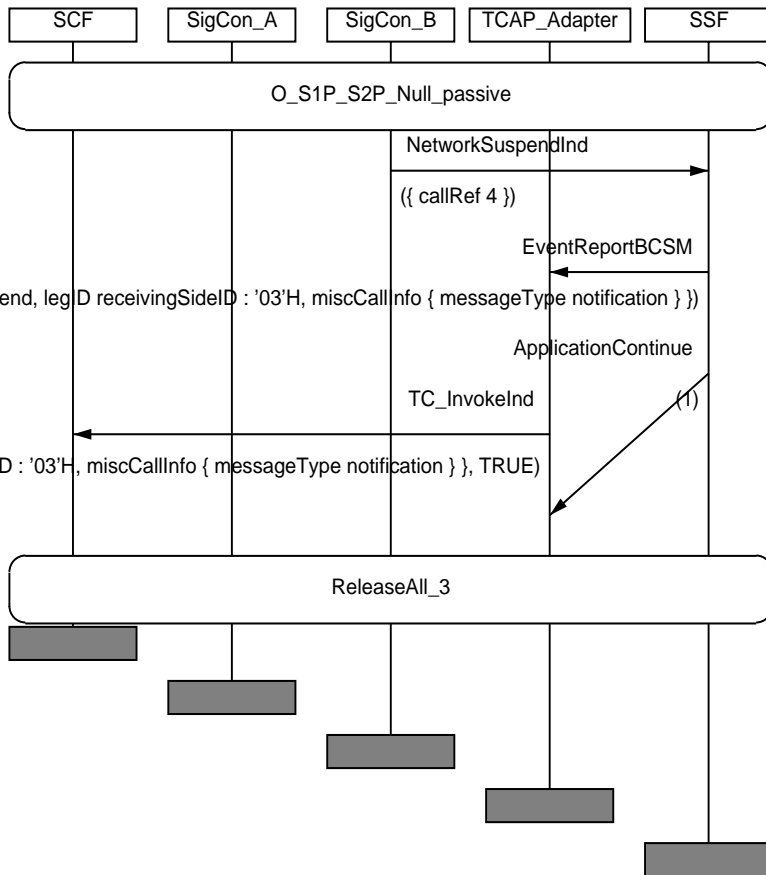
| IN3_A_CPH_ARM_09 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_98 |
| IN2 Ref(tmp) | Not provided |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble O_S1P_OS_null_passive, having armed events oMidCall and oDisconnect on leg1 (controlling), events oDisconnect, oSuspend on leg2 (passive), events routeSelectFailure, oCalledPartyBusy, oAnswer, oDisconnect, oSuspend on leg3 (passive), sends exactly one EventReportBCSM invoke component indicating (oAnswer) after having received SetupConf from SigConC. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.24 |
| Selection Cond. | |
| Preamble: | O_S1P_OS_null_passive |
| Test description | CP1_3!SetupConf |
| Pass criteria | L1?EventReportBCSM(3,oAnswer) |
| Postamble: | ReleaseAll_3 |

MSC IN3_A_CPH_ARM_09



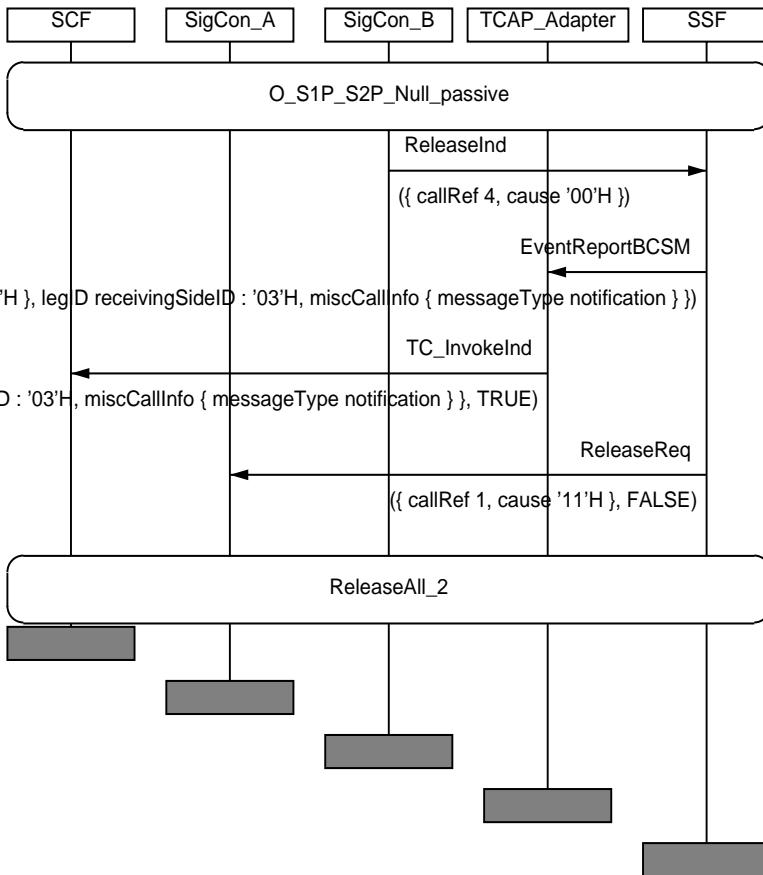
| IN3_A_CPH_ARM_11 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_100 |
| IN2 Ref(tmp) | Not provided |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble O_S1P_S2P_null_passive, having armed events oMidCall and oDisconnect on leg1 (controlling), events oDisconnect, oSuspend on leg2 and on leg 3 (passive), sends exactly one EventReportBCSM invoke component indicating (oSuspend) after having received NetworkSuspendInd from SigConC. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.24 |
| Selection Cond. | |
| Preamble: | O_S1P_S2P_null_passive |
| Test description | CP1_3!NetworkSuspendInd |
| Pass criteria | L1?EventReportBCSM(3,oSuspend) |
| Postamble: | ReleaseAll_3 |

MSC IN3_A_CPH_ARM_11



| IN3_A_CPH_ARM_12 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_101 |
| IN2 Ref(tmp) | Not provided |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble O_S1P_S2P_null_passive, having armed events oMidCall and oDisconnect on leg1 (controlling), events oDisconnect, oSuspend on leg2 and on leg 3 (passive), sends exactly one EventReportBCSM invoke component indicating (leg3,oDisconnect) after having received ReleaseInd(Normal clearing) from SigConC. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.24 |
| Selection Cond. | |
| Preamble: | O_S1P_S2P_null_passive |
| Test description | CP1_3!ReleaseInd(Normal clearing) L1?EventReportBCSM(3,oDisconnect) CP1_3?ReleaseReq |
| Pass criteria | L1?EventReportBCSM(3,oDisconnect) |
| Postamble: | ReleaseAll_2 |

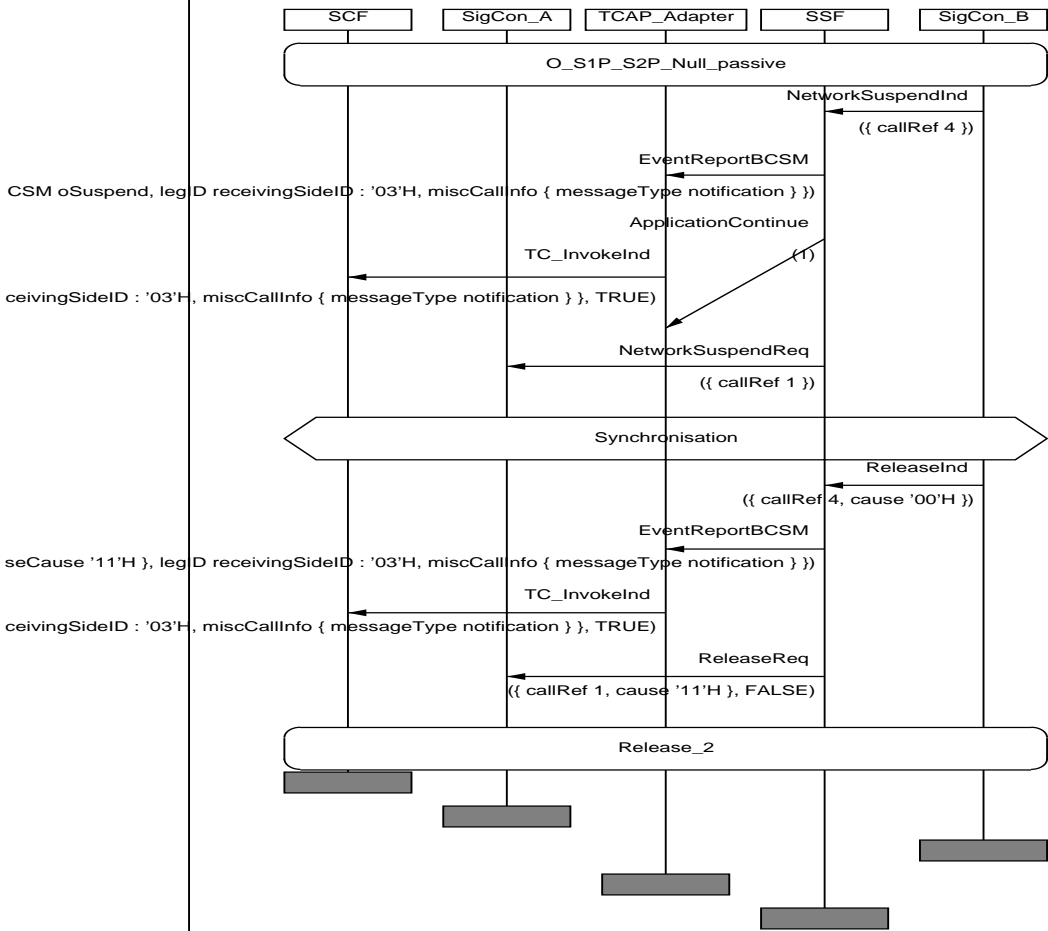
MSC IN3_A_CPH_ARM_12



10.1.2.1.2 Multiple events from a single passive leg

| IN3_A_CPH_ARM_13 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_102 |
| IN2 Ref(tmp) | Not provided |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble O_S1P_S2P_null_passive, having armed events oMidCall and oDisconnect on leg1 (controlling), events oDisconnect, oSuspend on leg2 and on leg 3 (passive), sends exactly one EventReportBCSM invoke component indicating (leg3,oSuspend) and exactly one EventReportBCSM invoke component indicating (leg3,oDisconnect) after having received NetworkSuspendInd and ReleaseInd(Normal clearing) from SigConC. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.24 |
| Selection Cond. | |
| Preamble: | O_S1P_S2P_null_passive |
| Test description | CP1_3!NetworkSuspendInd CP1_3!ReleaseInd(Normal clearing) |
| Pass criteria | L1?EventReportBCSM(3,oSuspend) L1?EventReportBCSM(,oDisconnect) CP1_1?ReleaseReq |
| Postamble: | Release_2 |

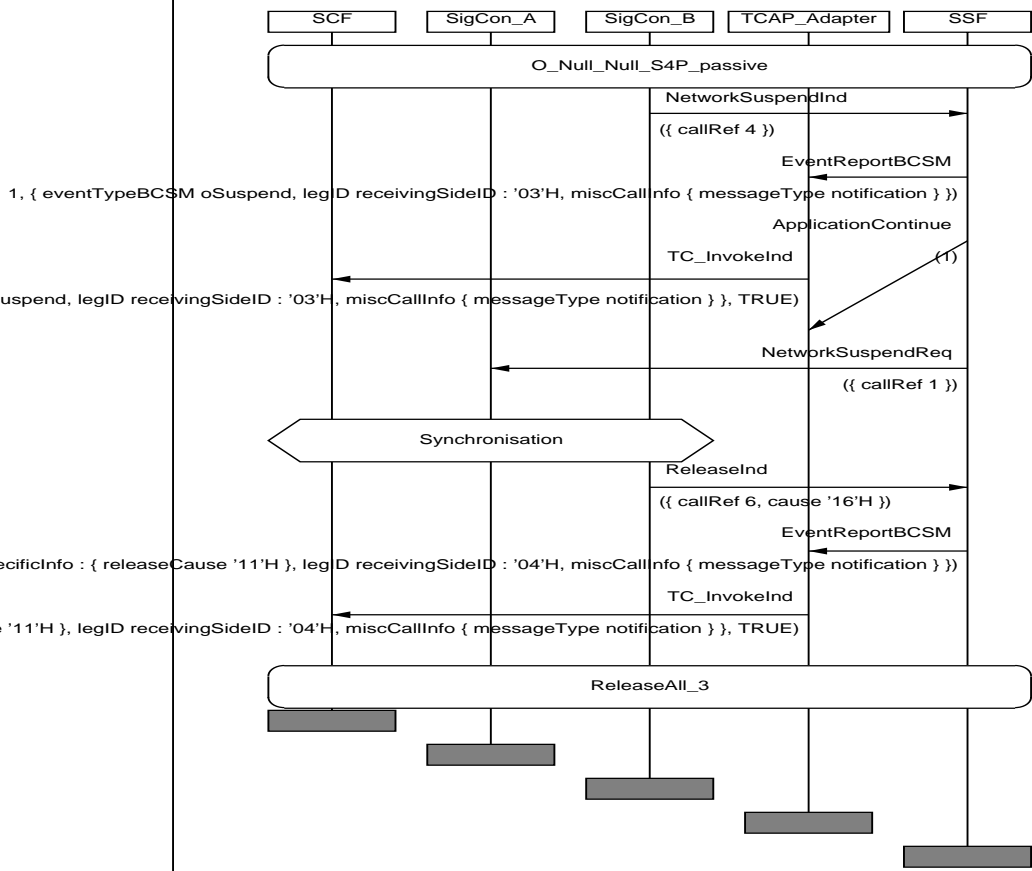
MSC IN3_A_CPH_ARM_13



10.1.2.1.3 Multiple events from multiple passive legs in the same call segment

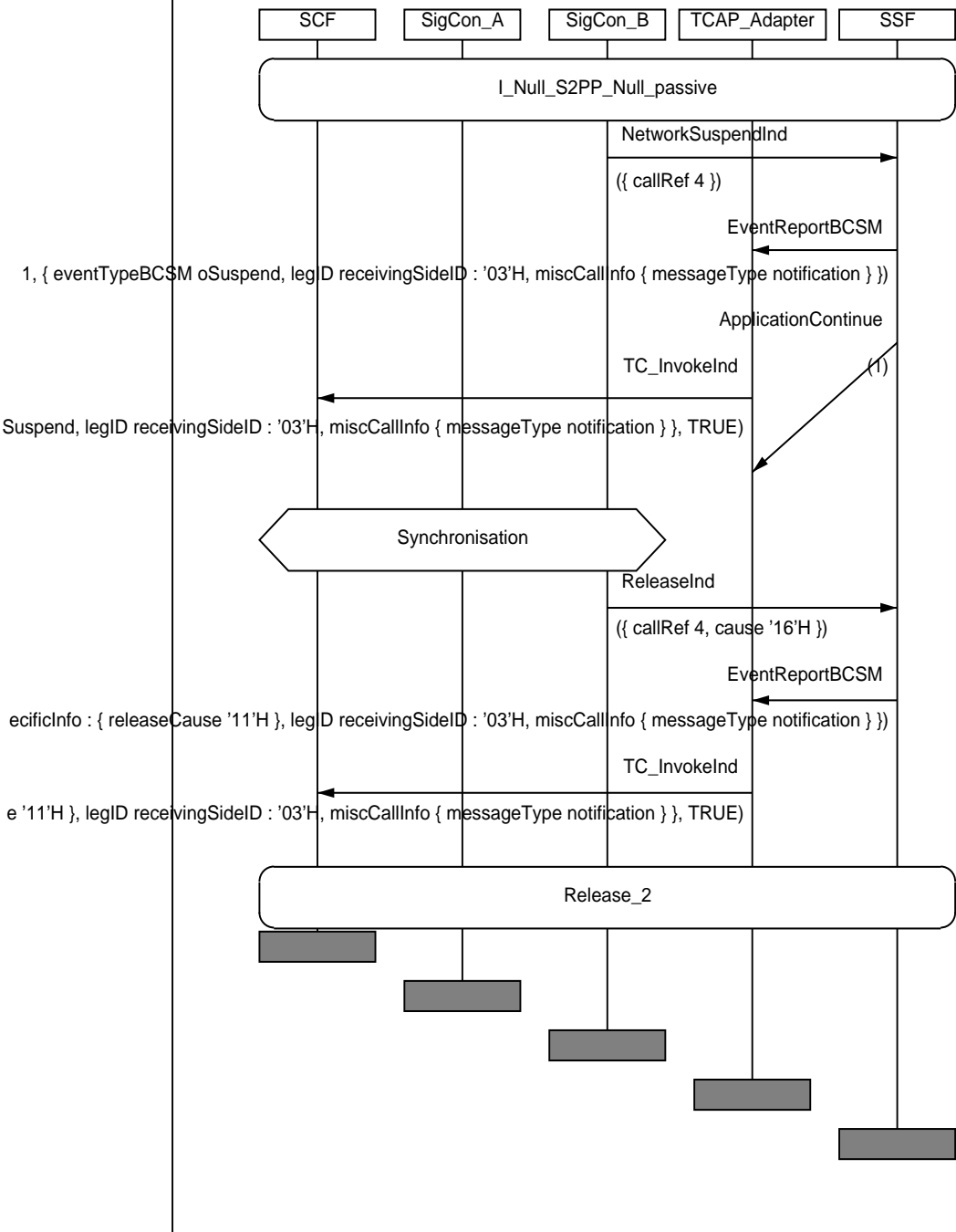
| IN3_A_CPH_ARM_16 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_105 |
| IN2 Ref(tmp) | Not provided |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble O_null_null_S4P_passive, having armed events oMidCall and oDisconnect on leg1 (controlling), events oDisconnect, oSuspend on leg2, leg3 and on leg 4 (passive), sends exactly one EventReportBCSM invoke component indicating (leg3,oSuspend) and exactly one EventReportBCSM invoke component indicating (leg4,oDisconnect) after having received NetworkSuspendInd from SigConC and ReleaseInd(Normal clearing) from SigConD. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.24 |
| Selection Cond. | |
| Preamble: | O_null_null_S4P_passive |
| Test description | CP1_3!NetworkSuspendInd CP1_4!ReleaseInd(Normal clearing) |
| Pass criteria | L1?EventReportBCSM(,oSuspend) L1?EventReportBCSM(,oDisconnect) |
| Postamble: | ReleaseAll_3 |

MSC IN3_A_CPH_ARM_16



| IN3_A_CPH_ARM_17 | |
|--------------------------|---|
| Work item no.: | ITEM_CPH_106 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble I_null_S2PP_null_passive, having armed Events oDisconnect, oSuspend on leg2 and on leg 3 (passive), sends exactly one EventReportBCSM invoke component indicating (leg2,oSuspend) and exactly one EventReportBCSM invoke component indicating (leg3,oDisconnect) after having received NetworkSuspendInd from SigConB, and ReleaseInd(Normal clearing) from SigConC. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.24 |
| Selection Cond. | |
| Preamble: | I_null_S2PP_null_passive |
| Test description | CP1_3!NetworkSuspendInd CP1_3!ReleaseInd(Normal clearing) |
| Pass criteria | L1?EventReportBCSM(2,oSuspend) L1?EventReportBCSM(3,oDisconnect) |
| Postamble: | Release_2 |

MSC IN3_A_CPH_ARM_17

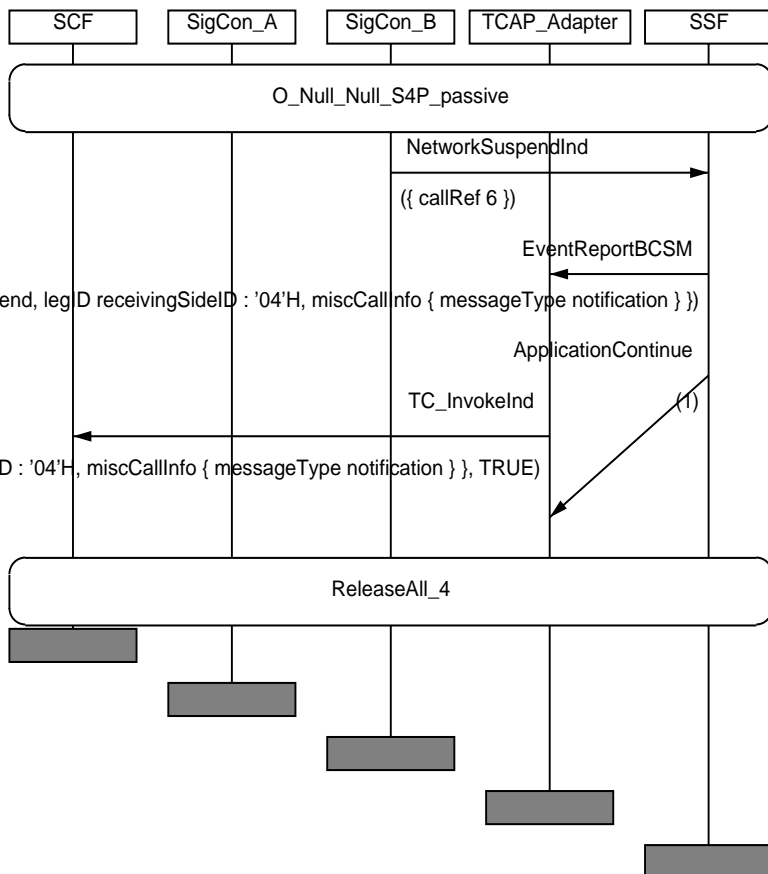


10.1.2.2 All Passive legs contained in a single Call Segment

10.1.2.2.1 Single event from a single passive leg

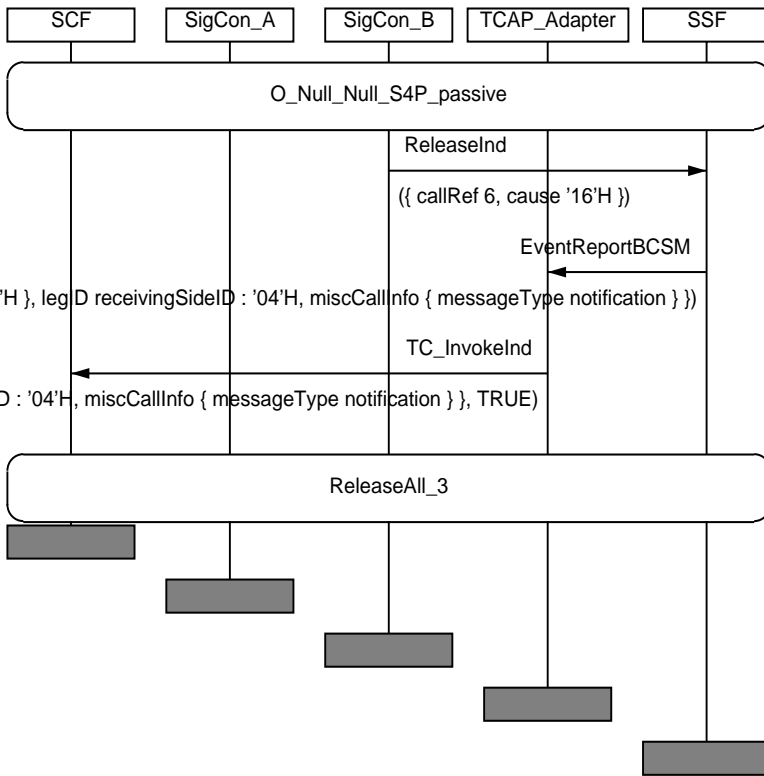
| IN3_A_CPH_ARM_20 | |
|--------------------------|---|
| Work item no.: | ITEM_CPH_109 |
| IN2 Ref(tmp) | Not provided |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble O_null_null_S4P_passive, having armed events oMidCall and oDisconnect on leg1 (controlling), events oDisconnect, oSuspend on leg2, leg3 and on leg 4 (passive), sends exactly one EventReportBCSM invoke component indicating (oSuspend) after having received NetworkSuspendInd from SigConB. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.24 |
| Selection Cond. | |
| Preamble: | O_null_null_S4P_passive |
| Test description | CP1_3!NetworkSuspendInd |
| Pass criteria | L1?EventReportBCSM(4,oSuspend) |
| Postamble: | ReleaseAll_4 |

MSC IN3_A_CPH_ARM_20



| IN3_A_CPH_ARM_21 | |
|--------------------------|---|
| Work item no.: | ITEM_CPH_110 |
| IN2 Ref(tmp) | Not provided |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble O_null_null_S4P_passive, having armed events oMidCall and oDisconnect on leg1 (controlling), events oDisconnect, oSuspend on leg2, leg3 and on leg 4 (passive), sends exactly one EventReportBCSM invoke component indicating (leg4,oDisconnect) after having received ReleaseInd(Normal clearing) from SigConD. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.24 |
| Selection Cond. | |
| Preamble: | O_null_null_S4P_passive |
| Test description | CP1_4!ReleaseInd(Normal clearing) |
| Pass criteria | L1?EventReportBCSM(4,oDisconnect) |
| Postamble: | ReleaseAll_3 |

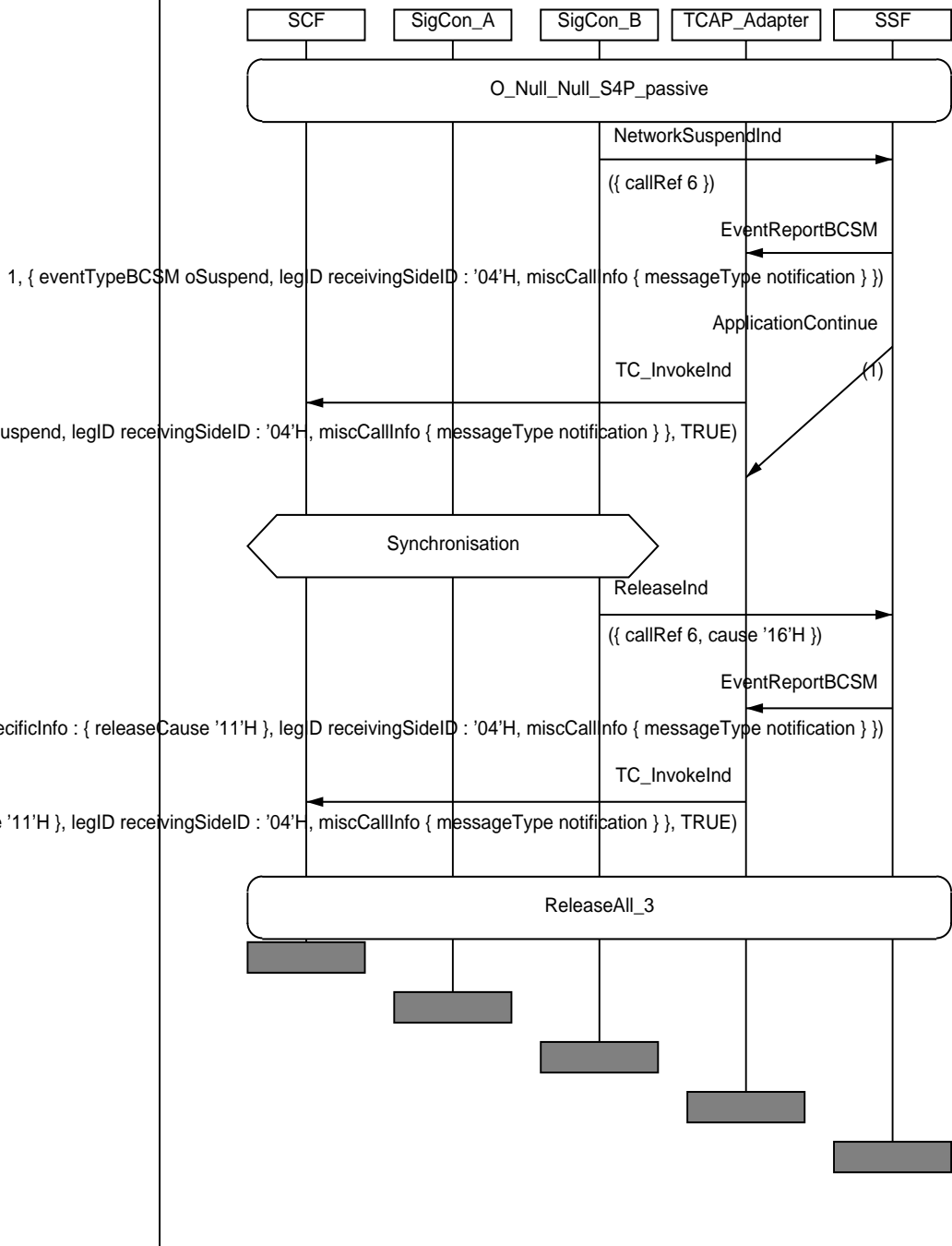
MSC IN3_A_CPH_ARM_21



10.1.2.2.2 Multiple events from a single passive leg

| IN3_A_CPH_ARM_23 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_112 |
| IN2 Ref(tmp) | Not provided |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble O_null_null_S4P_passive, having armed events oMidCall and oDisconnect on leg1 (controlling), events oDisconnect, oSuspend on leg2, leg3 and on leg 4 (passive), sends exactly one EventReportBCSM invoke component indicating (oSuspend) and exactly one EventReportBCSM invoke component indicating (leg4,oDisconnect) after having received NetworkSuspendInd followed by ReleaseInd(Normal clearing) from SigConD. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.24 |
| Selection Cond. | |
| Preamble: | O_null_null_S4P_passive |
| Test description | CP1_4!NetworkSuspendInd CP1_4!ReleaseInd(Normal clearing) |
| Pass criteria | L1?EventReportBCSM(4,oSuspend) L1?EventReportBCSM(4,oDisconnect) |
| Postamble: | ReleaseAll_3 |

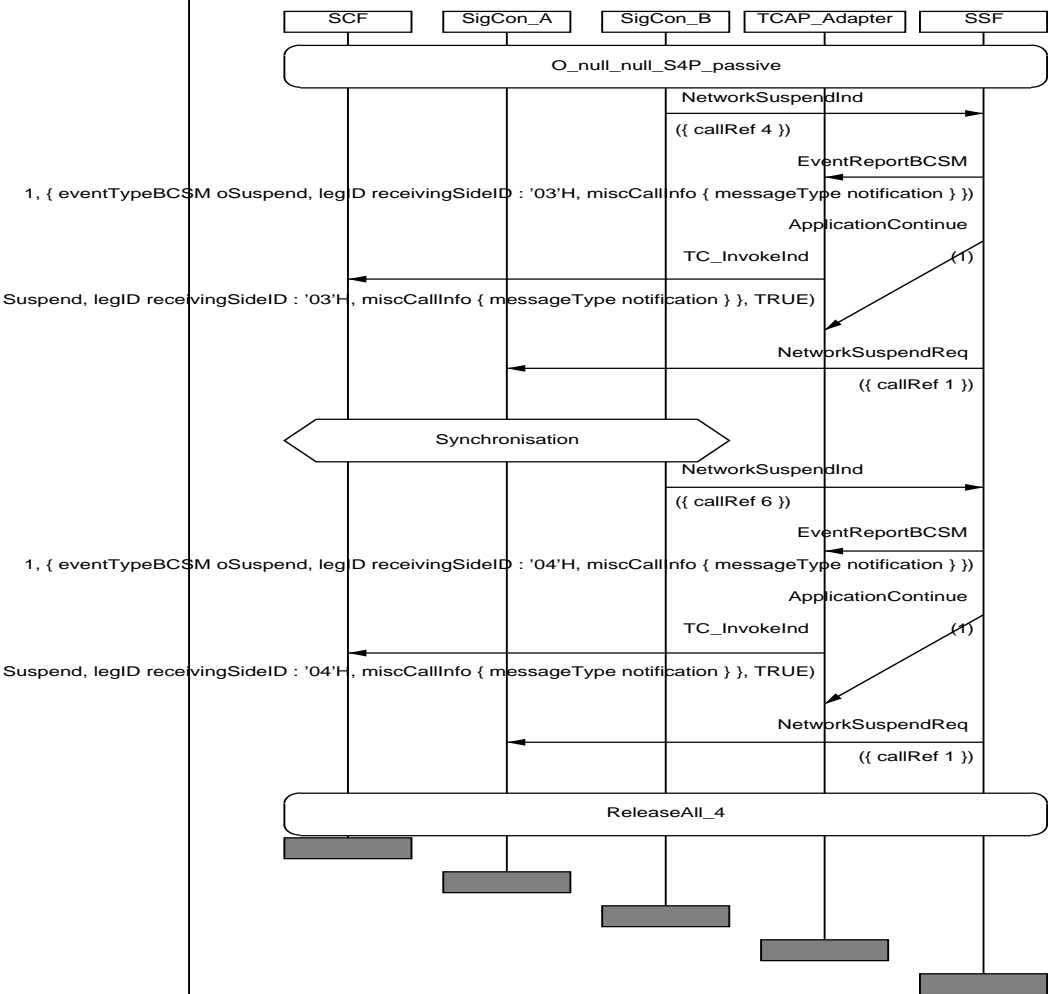
MSC IN3_A_CPH_ARM_23



10.1.2.2.3 Multiple events from multiple passive legs in the same call segment

| IN3_A_CPH_ARM_24 | |
|--------------------------|---|
| Work item no.: | ITEM_CPH_113 |
| IN2 Ref(tmp) | Not provided |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble O_null_null_S4P_passive, having armed events oMidCall and oDisconnect on leg1 (controlling), events oDisconnect, oSuspend on leg2, leg3 and on leg 4 (passive), sends exactly one EventReportBCSM invoke component indicating (leg3,oSuspend) and exactly one EventReportBCSM invoke component indicating (leg4,oSuspend) after having received NetworkSuspendInd from SigConC and from SigConD. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.24 |
| Selection Cond. | |
| Preamble: | O_null_null_S4P_passive |
| Test description | CP1_3!NetworkSuspendInd CP1_4!NetworkSuspendInd |
| Pass criteria | L1?EventReportBCSM(3,oSuspend) L1?EventReportBCSM(4,oSuspend) |
| Postamble: | ReleaseAll_4 |

MSC IN3_A_CPH_ARM_24



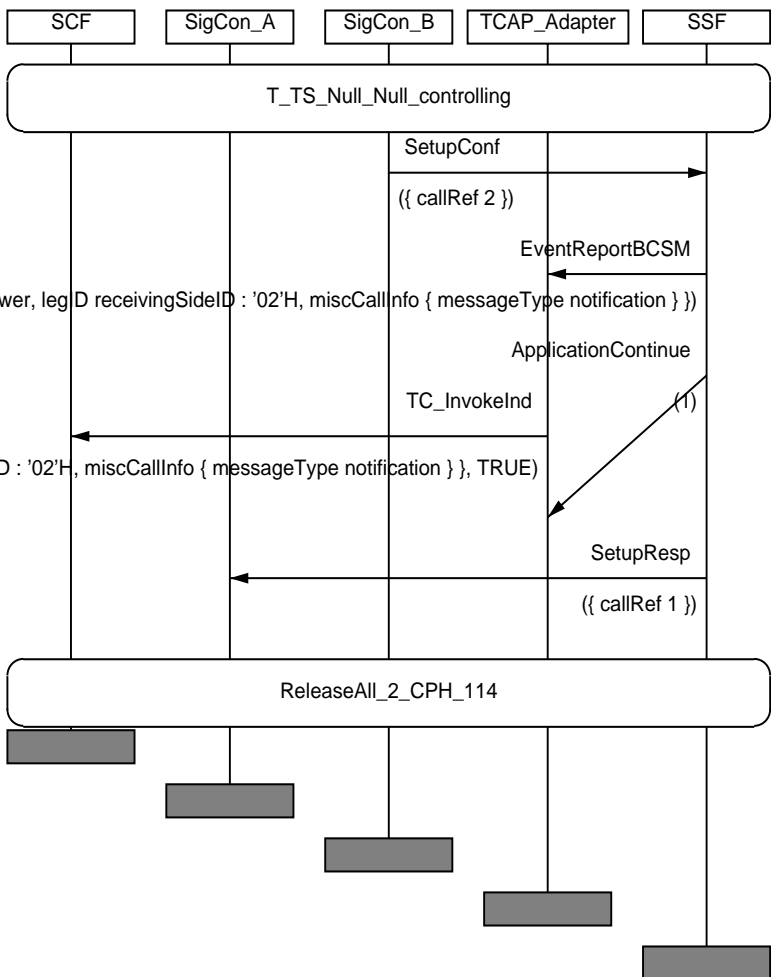
10.2 Terminating (T) trigger

10.2.1 Events coming from the controlling leg (legID=2)

10.2.1.1 Single event from the controlling leg

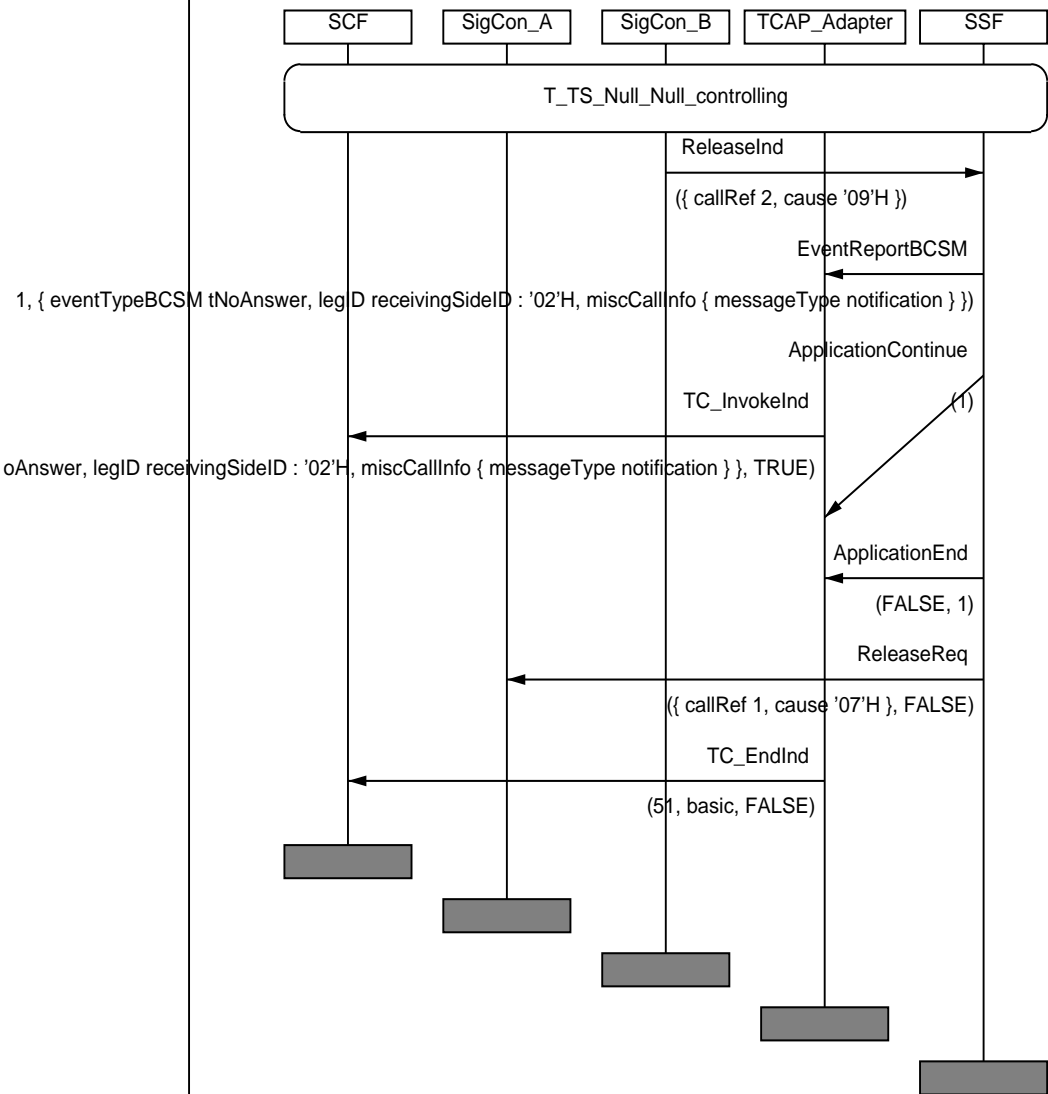
| IN3_A_CPH_ARM_25 | |
|--------------------------|---|
| Work item no.: | ITEM_CPH_114 |
| IN2 Ref(tmp) | IN2_A_CPH_084 |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble T_TS_null_null_controlling, having armed events tDisconnect on leg1 (passive) and events tAnswer, tCalledPartyBusy, tNoAnswer, tDisconnect, tMidCall and tSuspend on leg2 (controlling), sends exactly one EventReportBCSM invoke component indicating (tAnswer) after having received SetupConf from SigConB. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.24 |
| Selection Cond. | |
| Preamble: | T_TS_null_null_controlling |
| Test description | CP1_2!SetupConf L1?EventReportBCSM (2,tAnswer) CP1_1?SetUpResp |
| Pass criteria | L1?EventReportBCSM (2,tAnswer) CP1_1?SetUpResp |
| Postamble: | ReleaseAll_2 |

MSC IN3_A_CPH_ARM_25



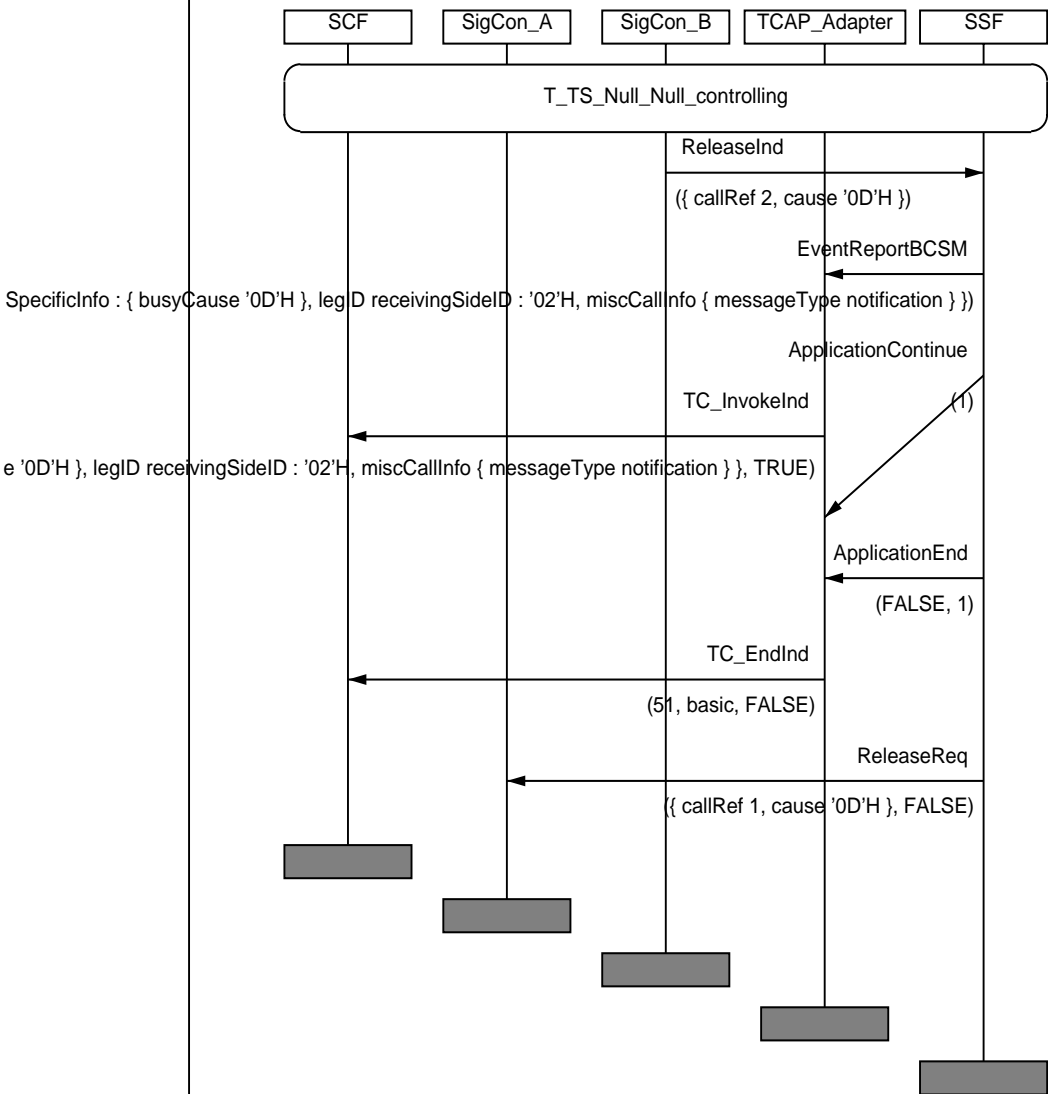
| IN3_A_CPH_ARM_26 | |
|--------------------------|---|
| Work item no.: | ITEM_CPH_115 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble T_TS_null_null_controlling, having armed events tDisconnect on leg1 (passive) and events tAnswer, tCalledPartyBusy, tNoAnswer, tDisconnect, tMidCall and tSuspend on leg2 (controlling), sends exactly one EventReportBCSM invoke component indicating (tNoAnswer) after timeout (having received no answer from SigConB). |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.24 |
| Selection Cond. | |
| Preamble: | T_TS_null_null_controlling |
| Test description | CP1_2!ReleaseInd(noReply) CP1_1?ReleaseRequest(noReply) |
| Pass criteria | L1?EventReportBCSM (2,tNoAnswer) |
| Postamble: | None |

MSC IN3_A_CPH_ARM_26



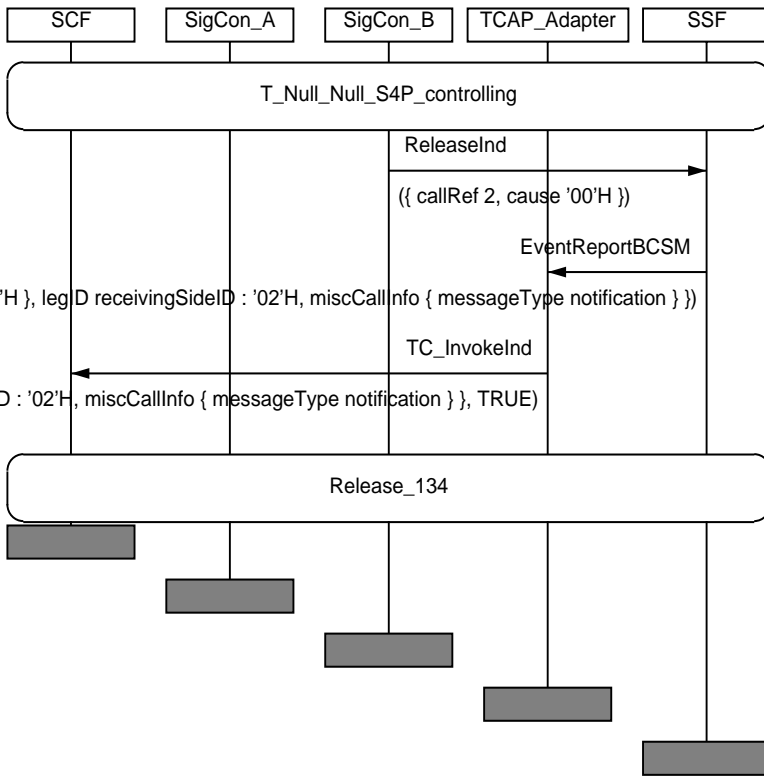
| IN3_A_CPH_ARM_27 | |
|--------------------------|---|
| Work item no.: | ITEM_CPH_116 |
| IN2 Ref(tmp) | IN2_A_CPH_087 |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble T_TS_null_null_controlling, having armed events tDisconnect on leg1 (passive) and events tAnswer, tCalledPartyBusy, tNoAnswer, tDisconnect, tMidCall and tSuspend on leg2 (controlling), sends exactly one EventReportBCSM invoke component indicating (tCalledPartyBusy) after having received ReleaseInd(Busy cause) from SigConB. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.24 |
| Selection Cond. | |
| Preamble: | T_TS_null_null_controlling |
| Test description | CP1_2!ReleaseInd(2,Busy cause) CP1_1?ReleaseReq(Busy cause) |
| Pass criteria | L1?EventReportBCSM(2,tCalledPartyBusy) |
| Postamble: | None |

MSC IN3_A_CPH_ARM_27



| IN3_A_CPH_ARM_28 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_117 |
| IN2 Ref(tmp) | IN2_A_CPH_089 |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble T_null_null_S4P_controlling, having armed events tDisconnect on leg1 (passive), events tCalledPartyBusy, tNoAnswer, tDisconnect, tMidCall and tSuspend on leg2 (controlling) and event oDisconnect on leg3 and leg4 (passive), sends exactly one EventReportBCSM invoke component indicating (leg2,tDisconnect) after having received ReleaseInd(Normal clearing) from SigConB. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.24 |
| Selection Cond. | |
| Preamble: | T_null_null_S4P_controlling |
| Test description | CP1_2!ReleaseInd(Normal clearing) |
| Pass criteria | L1?EventReportBCSM (leg2,tDisconnect) is received only once (filtering rules apply) |
| Postamble: | Release_134 |

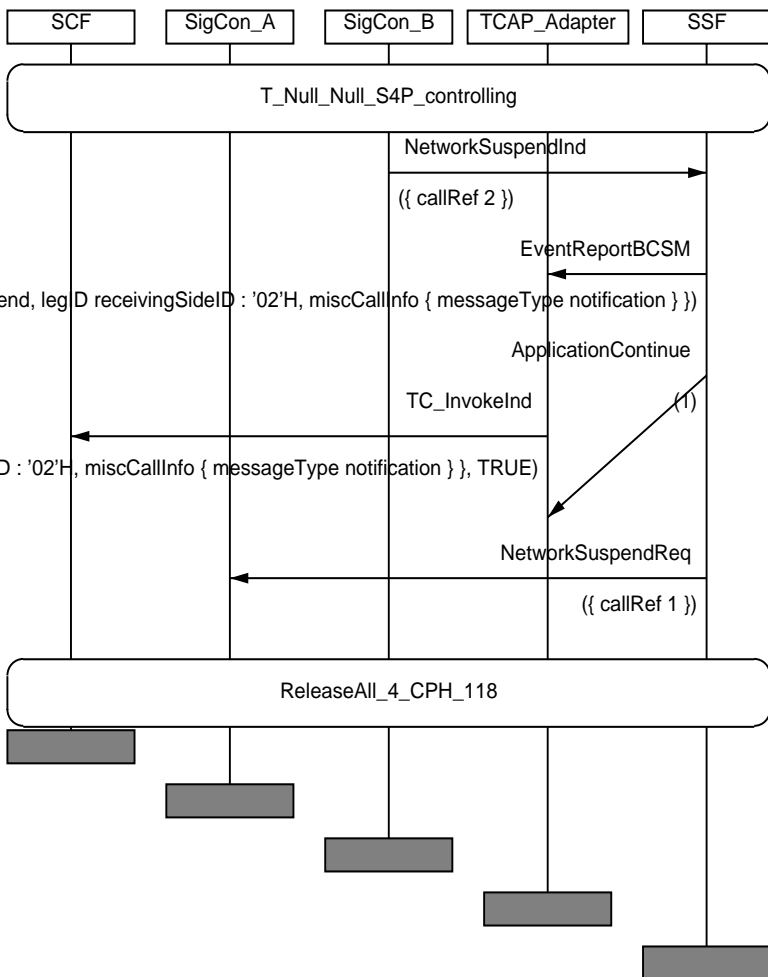
MSC IN3_A_CPH_ARM_28



| IN3_A_CPH_ARM_29 | |
|--------------------------|---|
| Work item no.: | ITEM_CPH_118 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble T_null_null_S4P_controlling, having armed event tDisconnect on leg1 (passive), events tCalledPartyBusy, tNoAnswer, tDisconnect, tMidCall and tSuspend on leg2 (controlling) and event oDisconnect on leg3 and leg4 (passive), sends exactly one EventReportBCSM invoke component indicating (leg2,tMidCall) after having received ServiceFeatureIndication from SigConB. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.24 |
| Selection Cond. | |
| Preamble: | T_null_null_S4P_controlling |
| Test description | CP1_2!ServiceFeatureIndication |
| Pass criteria | L1?EventReportBCSM (leg2,tMidCall) is received exactly once (filtering rules apply) |
| Postamble: | ReleaseAll_4_CPH_118 |

| IN3_A_CPH_ARM_30 | |
|--------------------------|---|
| Work item no.: | ITEM_CPH_119 |
| IN2 Ref(tmp) | None |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble T_null_null_S4P_controlling, having armed event tDisconnect on leg1 (passive), events tCalledPartyBusy, tNoAnswer, tDisconnect, tMidCall and tSuspend on leg2 (controlling) and event oDisconnect on leg3 and leg4 (passive), sends exactly one EventReportBCSM invoke component indicating (tSuspend) after having received SuspendIndication from SigConB. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.24 |
| Selection Cond. | |
| Preamble: | T_null_null_S4P_controlling |
| Test description | CP1_2!SuspendIndication |
| Pass criteria | L1?EventReportBCSM (2,tSuspend) |
| Postamble: | ReleaseAll_4_CPH_118 |

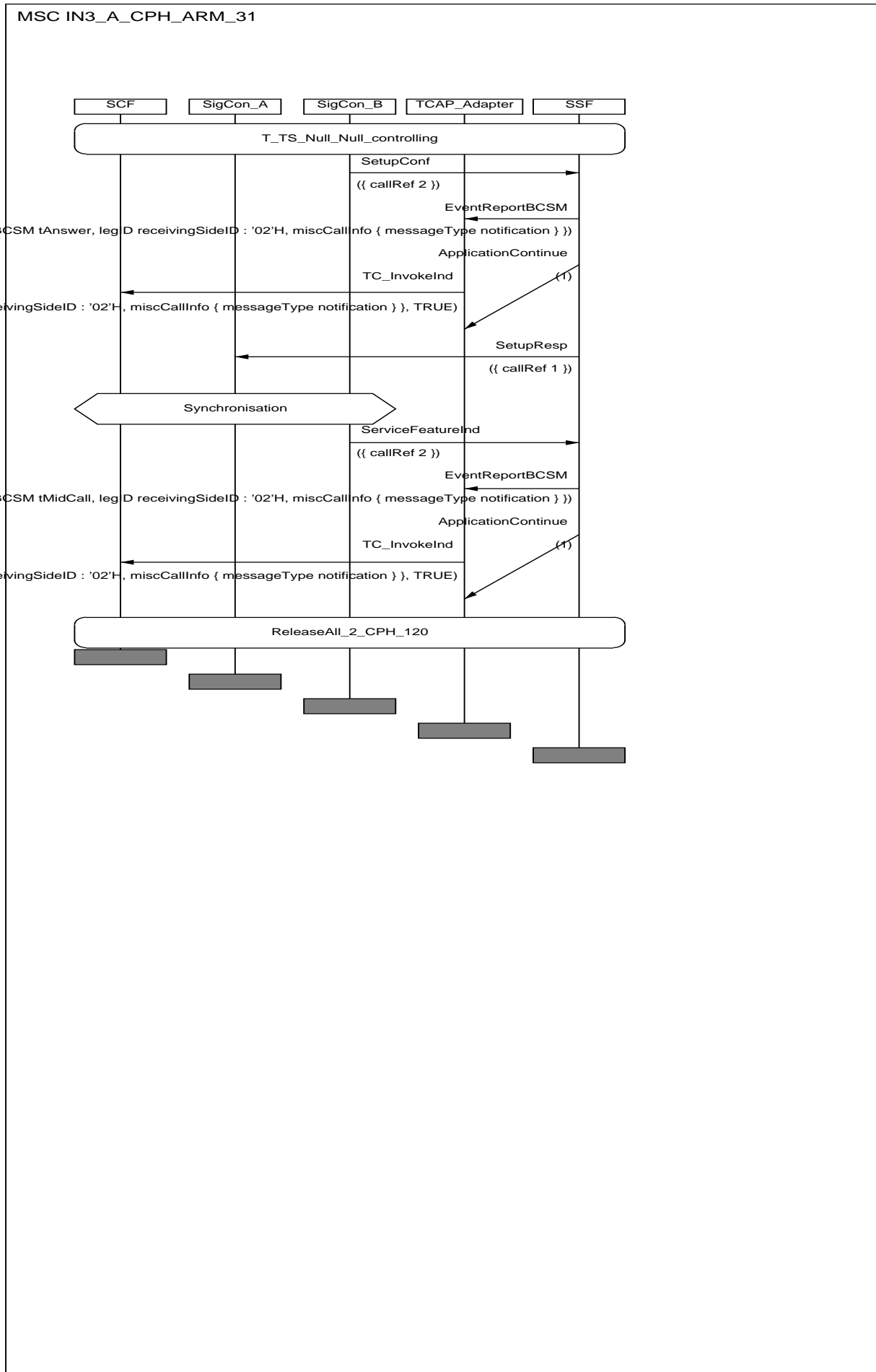
MSC IN3_A_CPH_ARM_30



10.2.1.2 Multiple events from the controlling leg

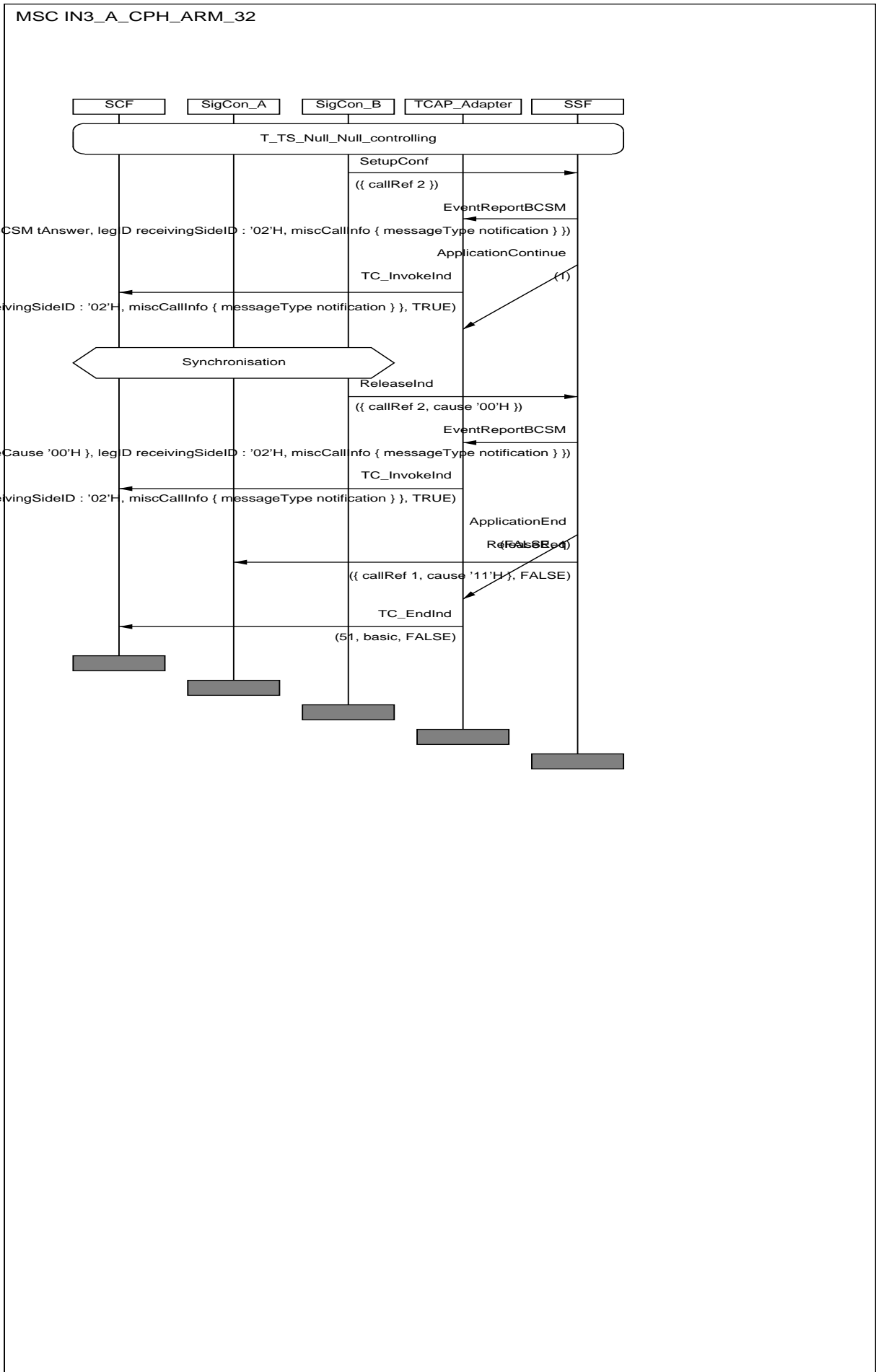
| IN3_A_CPH_ARM_31 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_120 |
| IN2 Ref(tmp) | IN2_A_CPH_085 |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble T_TS_null_null_controlling, having armed event tDisconnect on leg1 (passive) and events tAnswer, tCalledPartyBusy, tNoAnswer, tDisconnect, tMidCall and tSuspend on leg2 (controlling), sends exactly one EventReportBCSM invoke component indicating (leg2,tAnswer) and exactly one EventReportBCSM invoke component indicating (leg2,tMidCall) after having received SetupConf and ServiceFeatureIndication from SigConB. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.24 |
| Selection Cond. | |
| Preamble: | T_TS_null_null_controlling |
| Test description | CP1_2!SetupConf L1?EventReportBCSM (leg2,tAnswer) CP1_1?SetUpResp CP1_2!ServiceFeatureIndication L1?EventReportBCSM (leg2,tMidCall) |
| Pass criteria | L1?EventReportBCSM (leg2,tAnswer) CP1_1?SetUpResp L1?EventReportBCSM (leg2,tMidCall) |
| Postamble: | ReleaseAll_2 |

MSC IN3_A_CPH_ARM_31



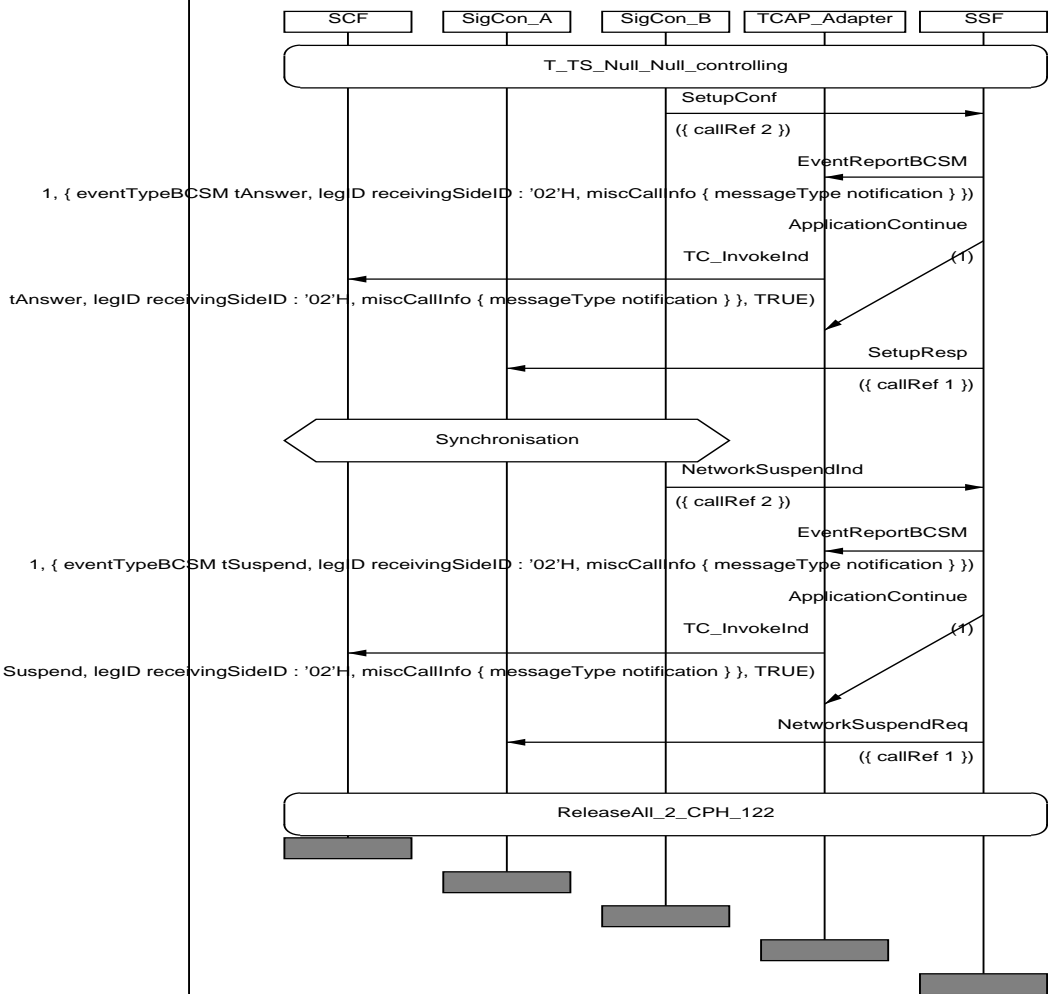
| IN3_A_CPH_ARM_32 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_121 |
| IN2 Ref(tmp) | IN2_A_CPH_086 |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble T_TS_null_null_controlling, having armed event tDisconnect on leg1 (passive) and events tAnswer, tCalledPartyBusy, tNoAnswer, tDisconnect, tMidCall and tSuspend on leg2 (controlling), sends exactly one EventReportBCSM invoke component indicating (leg2,tAnswer) and exactly one EventReportBCSM invoke component indicating (leg2,tDisconnect) after having received SetupConf and ReleaseInd(Normal clearing) from SigConB. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.24 |
| Selection Cond. | |
| Preamble: | T_TS_null_null_controlling |
| Test description | CP1_2!SetupConf CP1_1?SetUpResp L1?EventReportBCSM (leg2,tAnswer) CP1_2!ReleaseInd(Normal clearing) L1?EventReportBCSM(leg2,tDisconnect) |
| Pass criteria | L1?EventReportBCSM (leg2,tAnswer) CP1_1?SetUpResp L1?EventReportBCSM(leg2,tDisconnect) CP1_1?ReleaseReq(Normal clearing) |
| Postamble: | |

MSC IN3_A_CPH_ARM_32



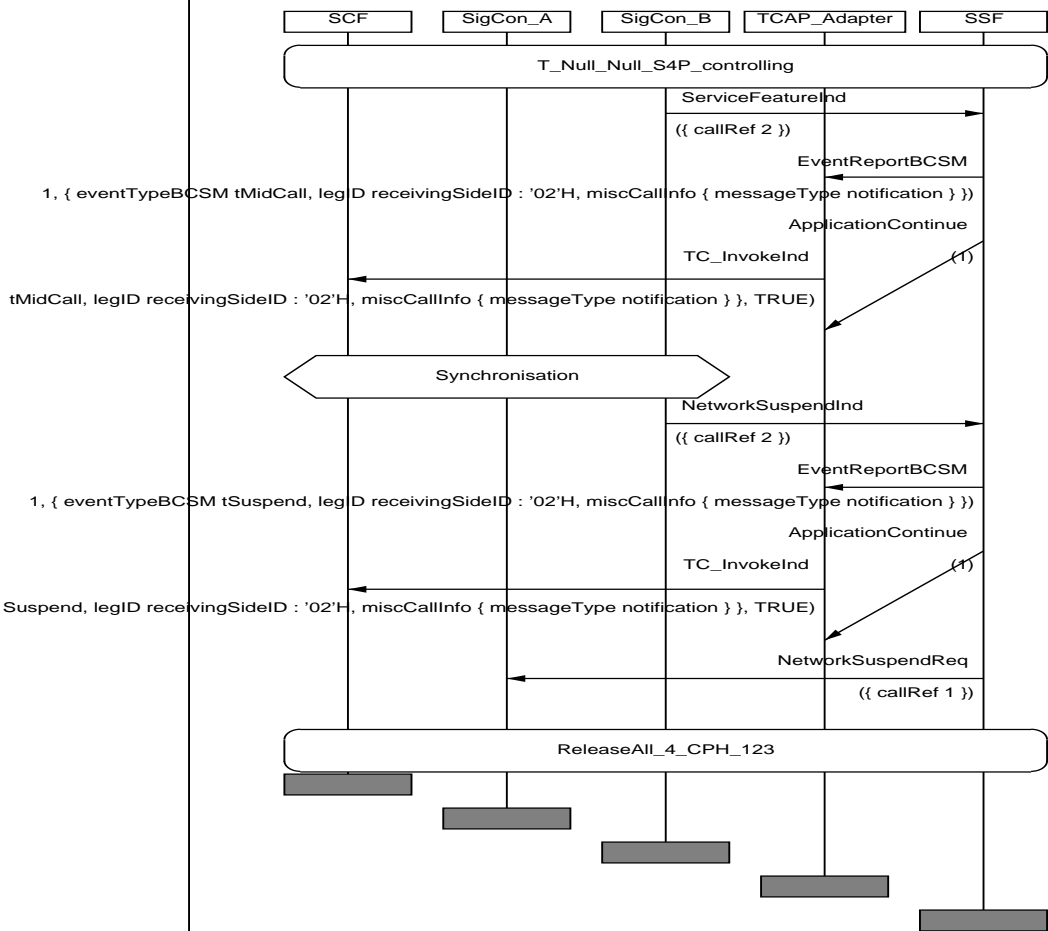
| IN3_A_CPH_ARM_33 | |
|--------------------------|---|
| Work item no.: | ITEM_CPH_122 |
| IN2 Ref(tmp) | IN2_A_CPH_088 |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble T_TS_null_null_controlling, having armed event tDisconnect on leg1 (passive) and events tAnswer, tCalledPartyBusy, tNoAnswer, tDisconnect, tMidCall and tSuspend on leg2 (controlling), sends exactly one EventReportBCSM invoke component indicating (tAnswer) and exactly one EventReportBCSM invoke component indicating (tSuspend) after having received SetupConf and SuspendIndication from SigConB. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.24 |
| Selection Cond. | |
| Preamble: | T_TS_null_null_controlling |
| Test description | CP1_2!SetupConf L1?EventReportBCSM (2,tAnswer) CP1_1?SetUpResp CP1_2!SuspendIndication L1?EventReportBCSM(2,tSuspend) |
| Pass criteria | L1?EventReportBCSM (2,tAnswer) CP1_1?SetUpResp L1?EventReportBCSM(tSuspend) |
| Postamble: | ReleaseAll_2_CPH_122 |

MSC IN3_A_CPH_ARM_33



| IN3_A_CPH_ARM_34 | |
|--------------------------|---|
| Work item no.: | ITEM_CPH_123 |
| IN2 Ref(tmp) | IN2_A_CPH_090 |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble T_null_null_S4P_controlling, having armed event tDisconnect on leg1 (passive), events tCalledPartyBusy, tNoAnswer, tDisconnect, tMidCall and tSuspend on leg2 (controlling) and event oDisconnect on leg3 and leg4 (passive), sends exactly one EventReportBCSM invoke component indicating (leg2,tMidCall) and exactly one EventReportBCSM invoke component indicating (leg2,tSuspend) after having received ServiceFeatureIndication and SuspendIndication from SigConB. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.24 |
| Selection Cond. | |
| Preamble: | T_null_null_S4P_controlling |
| Test description | CP1_2!ServiceFeatureIndication CP1_2!SuspendIndication |
| Pass criteria | L1?EventReportBCSM (leg2,tMidCall) L1?EventReportBCSM(leg2,tSuspend) |
| Postamble: | ReleaseAll_4_CPH_123 |

MSC IN3_A_CPH_ARM_34



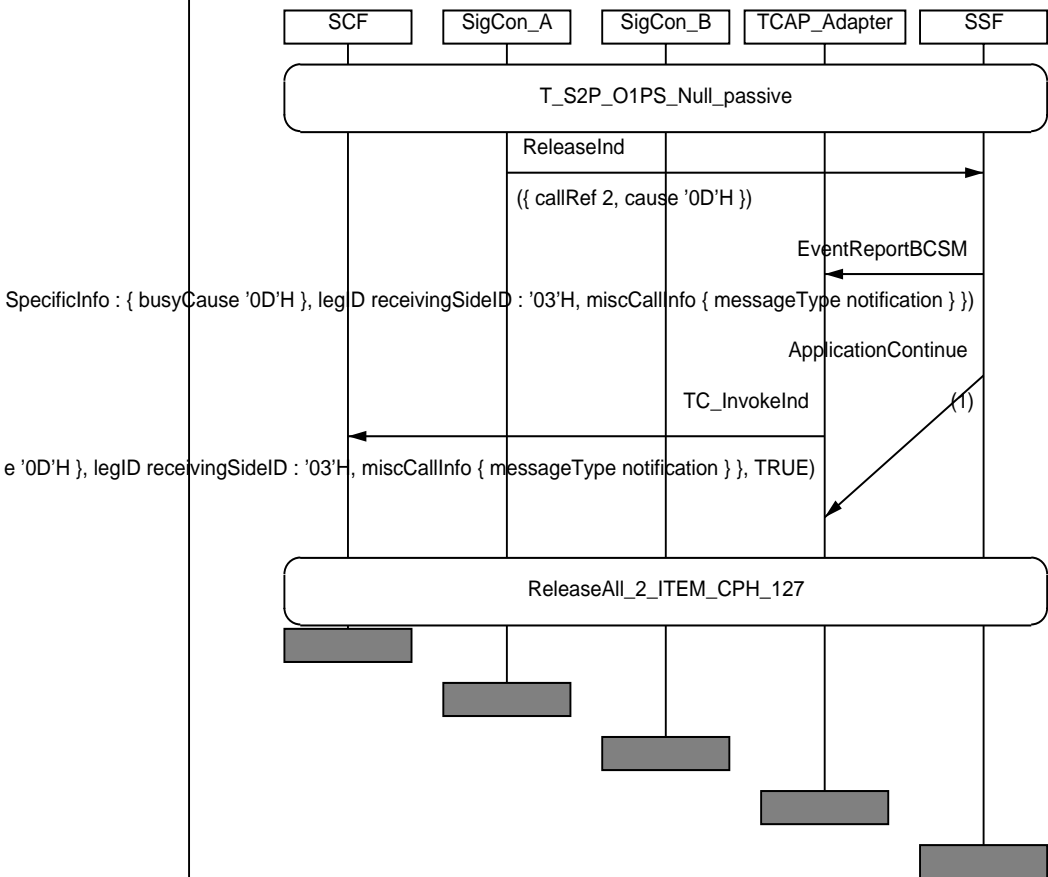
10.2.2 Events coming from passive legs (legID= 1,3,4)

10.2.2.1 Passive legs contained in multiple Call Segments

10.2.2.1.1 Single event from a single passive leg

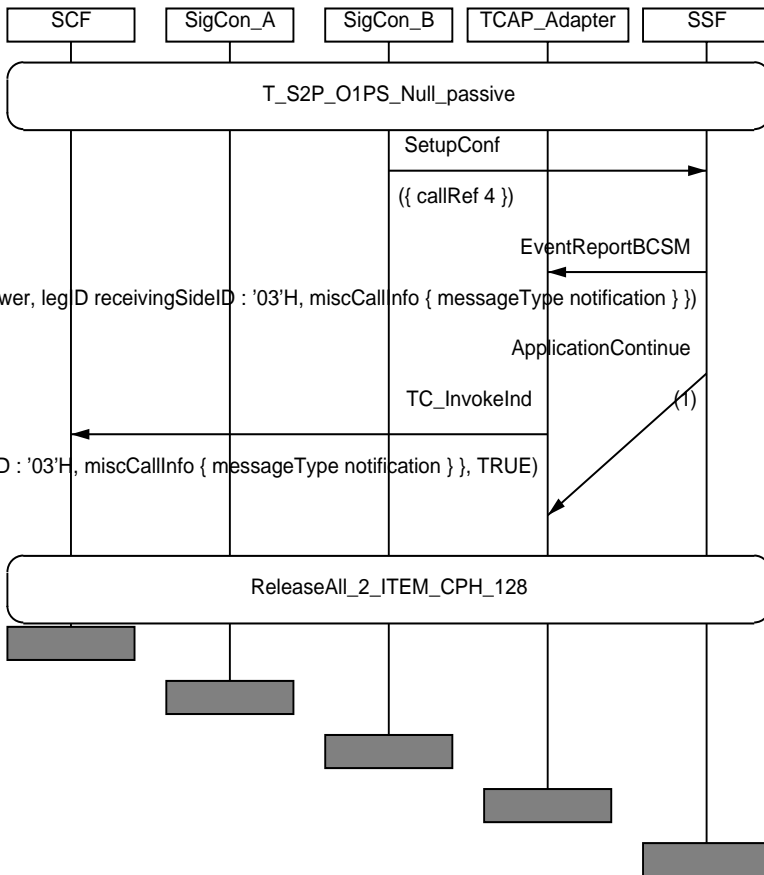
| IN3_A_CPH_ARM_38 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_127 |
| IN2 Ref(tmp) | Not provided |
| Purpose: | Verify that the SSF, being in CS configuration according to preambleT_S2P_OS_null_passive , having armed event tDisconnect on leg1 (passive), events tDisconnect, tMidCall and tSuspend on leg2 (controlling), routeSelectFailure, oCalledPartyBusy, oAnswer on leg3 (passive), sends exactly one EventReportBCSM invoke component indicating (leg3,oCalledPartyBusy) after having received ReleaseInd(Busy cause) from SigConC. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.24 |
| Selection Cond. | |
| Preamble: | T_S2P_O1PS_null_passive |
| Test description | CP1_3!ReleaseInd(Busy cause) |
| Pass criteria | L1?EventReportBCSM(leg3,oCalledPartyBusy) |
| Postamble: | ReleaseAll_2 |

MSC IN3_A_CPH_ARM_38



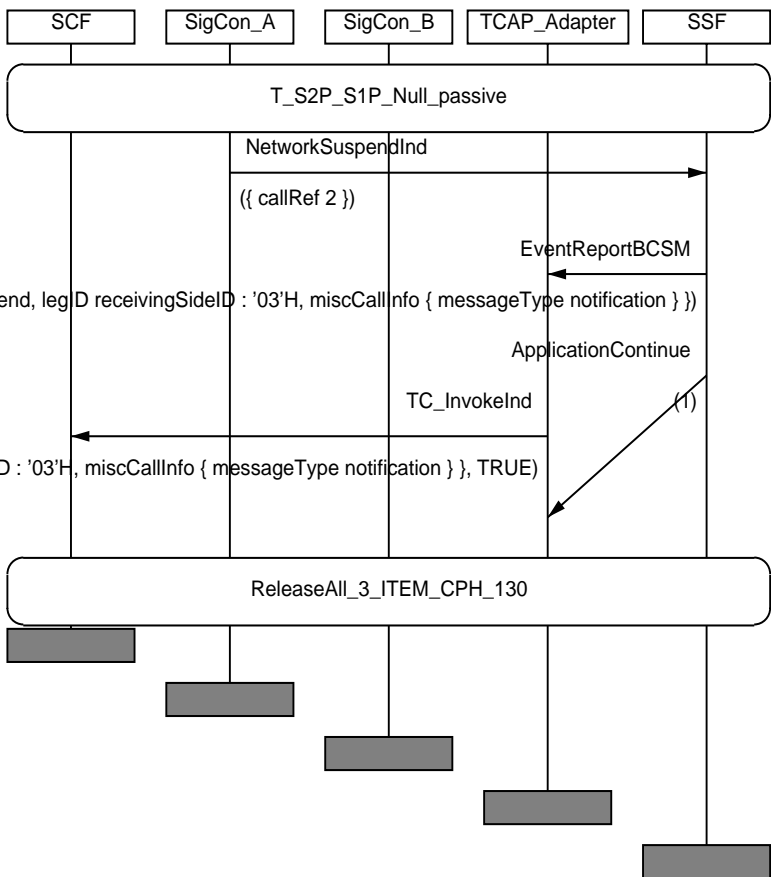
| IN3_A_CPH_ARM_39 | |
|--------------------------|---|
| Work item no.: | ITEM_CPH_128 |
| IN2 Ref(tmp) | Not provided |
| Purpose: | Verify that the SSF, being in CS configuration according to preambleT_S2P_O1PS_null_passive , having armed event tDisconnect on leg1 (passive), events tDisconnect, tMidCall and tSuspend on leg2 (controlling), routeSelectFailure, oCalledPartyBusy, oAnswer on leg3 (passive), sends exactly one EventReportBCSM invoke component indicating (leg3,oAnswer) after having received SetupConf from SigConC. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.24 |
| Selection Cond. | |
| Preamble: | T_S2P_O1PS_null_passive |
| Test description | CP1_3!SetupConf |
| Pass criteria | L1?EventReportBCSM(3,oAnswer) |
| Postamble: | ReleaseAll_2 |

MSC IN3_A_CPH_ARM_39



| IN3_A_CPH_ARM_41 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_130 |
| IN2 Ref(tmp) | Not provided |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble T_S2P_S1P_null_passive, having armed event tDisconnect on leg1 (passive), events tDisconnect, tMidCall and tSuspend on leg2 (controlling), oSuspend, oDisconnect on leg3 (passive), sends exactly one EventReportBCSM invoke component indicating (leg3,oSuspend) after having received NetworkSuspendInd from SigConC. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.24 |
| Selection Cond. | |
| Preamble: | T_S2P_S1P_null_passive |
| Test description | CP1_3!NetworkSuspendInd |
| Pass criteria | L1?EventReportBCSM(3,oSuspend) |
| Postamble: | ReleaseAll_3 |

MSC IN3_A_CPH_ARM_41

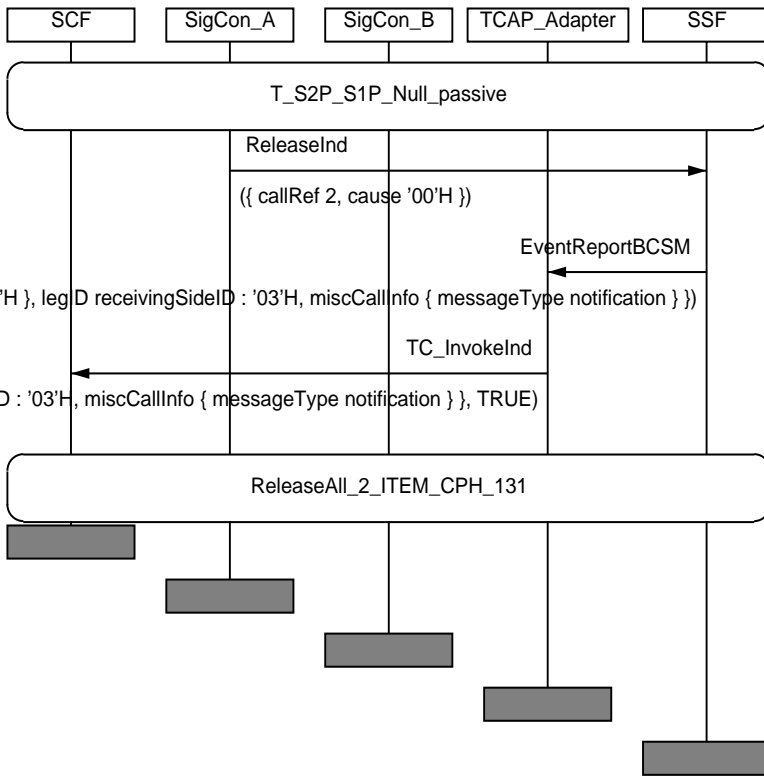


1, { eventTypeBCSM oSuspend, legID receivingSideID : '03'H, miscCallInfo { messageType notification } })

Suspend, legID receivingSideID : '03'H, miscCallInfo { messageType notification }, TRUE)

| IN3_A_CPH_ARM_42 | |
|--------------------------|---|
| Work item no.: | ITEM_CPH_131 |
| IN2 Ref(tmp) | Not provided |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble T_S2P_S1P_null_passive, having armed event tDisconnect on leg1 (passive), events tDisconnect, tMidCall and tSuspend on leg2 (controlling), oSuspend, oDisconnect on leg3 (passive), sends exactly one EventReportBCSM invoke component indicating (leg3,oDisconnect) after having received ReleaseInd(Normal clearing) from SigConC. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.24 |
| Selection Cond. | |
| Preamble: | T_S2P_S1P_null_passive |
| Test description | CP1_3!ReleaseInd(Normal clearing) L1?EventReportBCSM(3,oDisconnect) |
| Pass criteria | L1?EventReportBCSM(3,oDisconnect) |
| Postamble: | ReleaseAll_2 |

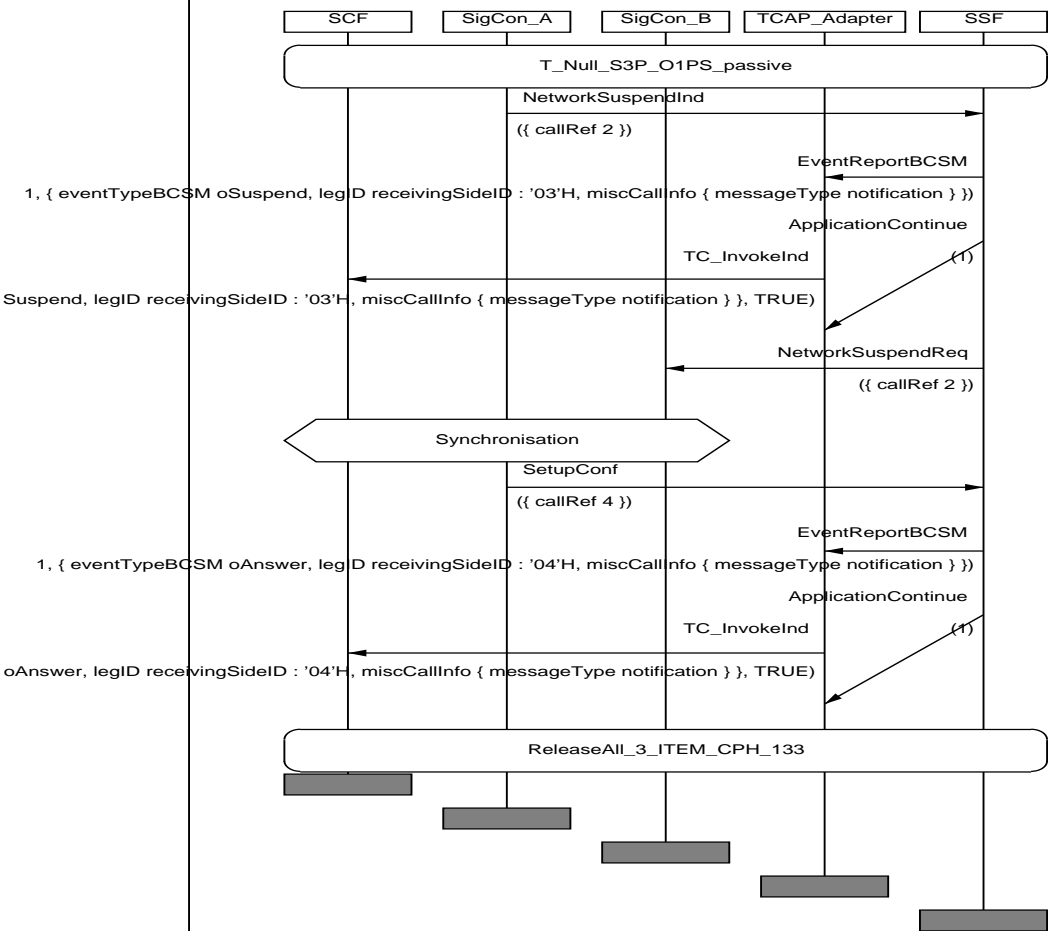
MSC IN3_A_CPH_ARM_42



10.2.2.1.2 Multiple events from multiple passive legs in the same call segment

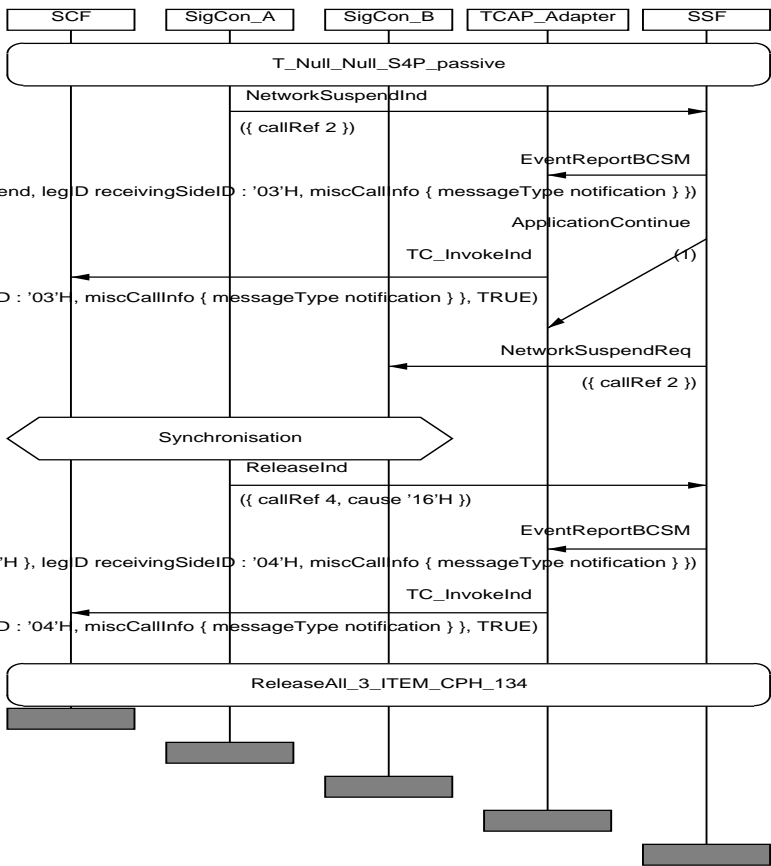
| IN3_A_CPH_ARM_44 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_133 |
| IN2 Ref(tmp) | Not provided |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble T_null_S3P_O1PS_passive, having armed event tDisconnect on leg1 (passive), eventstDisconnect, tMidCall and tSuspend on leg2 (controlling), oSuspend, oDisconnect on leg3 (passive), routeSelectFailure, oCalledPartyBusy and oAnswer on leg4 (passive), sends exactly one EventReportBCSM invoke component indicating (leg3,oSuspend) and exactly one EventReportBCSM invoke component indicating (leg4,oAnswer) after having received NetworkSuspendInd from SigConC and SetupConf from SigConD. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.24 |
| Selection Cond. | |
| Preamble: | T_null_S3P_O1PS_passive |
| Test description | CP1_3!NetworkSuspendInd CP1_4!SetupConf |
| Pass criteria | L1?EventReportBCSM(3,oSuspend) L1?EventReportBCSM(4,oAnswer) |
| Postamble: | ReleaseAll_3 |

MSC IN3_A_CPH_ARM_44



| IN3_A_CPH_ARM_45 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_134 |
| IN2 Ref(tmp) | Not provided |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble T_null_null_S4P_passive, having armed event tDisconnect on leg1 (passive), eventstDisconnect, tMidCall and tSuspend on leg 2 (controlling), oSuspend, oDisconnect on leg3 and leg4 (passive), sends exactly one EventReportBCSM invoke component indicating (leg3,oSuspend) and exactly one EventReportBCSM invoke component indicating (leg4,oDisconnect) after having received NetworkSuspendInd from SigConC and ReleaseInd(Normal clearing) from SigConD. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.24 |
| Selection Cond. | |
| Preamble: | T_null_null_S4P_passive |
| Test description | CP1_3!NetworkSuspendInd CP1_4!ReleaseInd(Normal clearing) |
| Pass criteria | L1?EventReportBCSM(3,oSuspend) L1?EventReportBCSM(4,oDisconnect) |
| Postamble: | ReleaseAll_3 |

MSC IN3_A_CPH_ARM_45

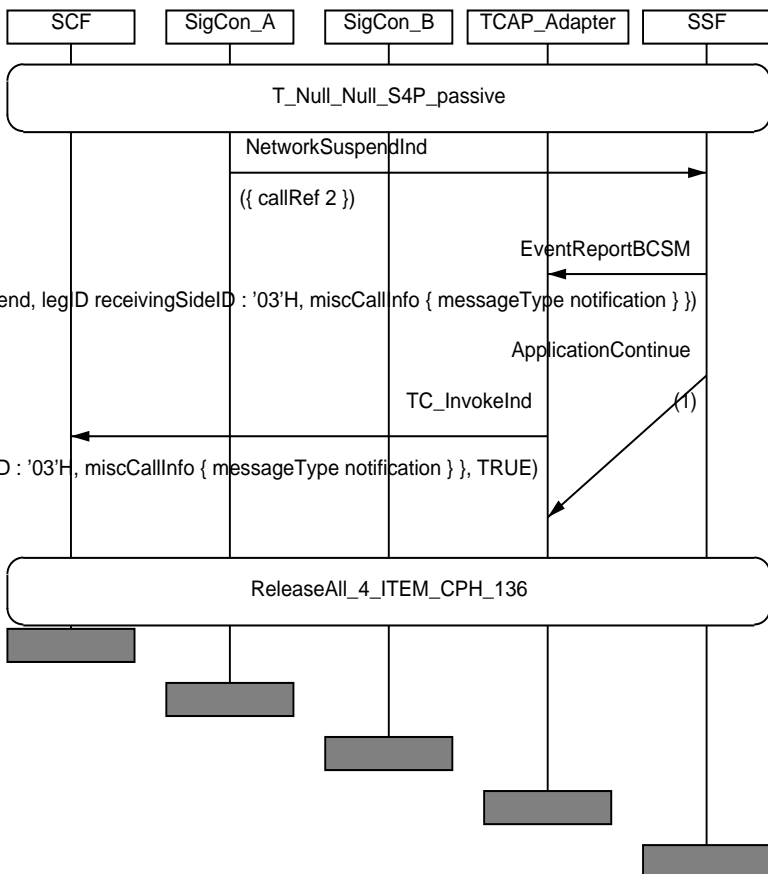


10.2.2.2 All Passive legs contained in a single Call Segment

10.2.2.2.1 Single event from a single passive leg

| IN3_A_CPH_ARM_47 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_136 |
| IN2 Ref(tmp) | Not provided |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble T_null_null_S4P_passive, having armed event tDisconnect on leg1 (passive), events tDisconnect, tMidCall and tSuspend on leg 2 (controlling), oSuspend, oDisconnect on leg3 and leg4 (passive), sends exactly one EventReportBCSM invoke component indicating (oSuspend) after having received NetworkSuspendInd from SigConC. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.24 |
| Selection Cond. | |
| Preamble: | T_null_null_S4P_passive |
| Test description | CP1_3!NetworkSuspendInd |
| Pass criteria | L1?EventReportBCSM(3,oSuspend) |
| Postamble: | ReleaseAll_4 |

MSC IN3_A_CPH_ARM_47

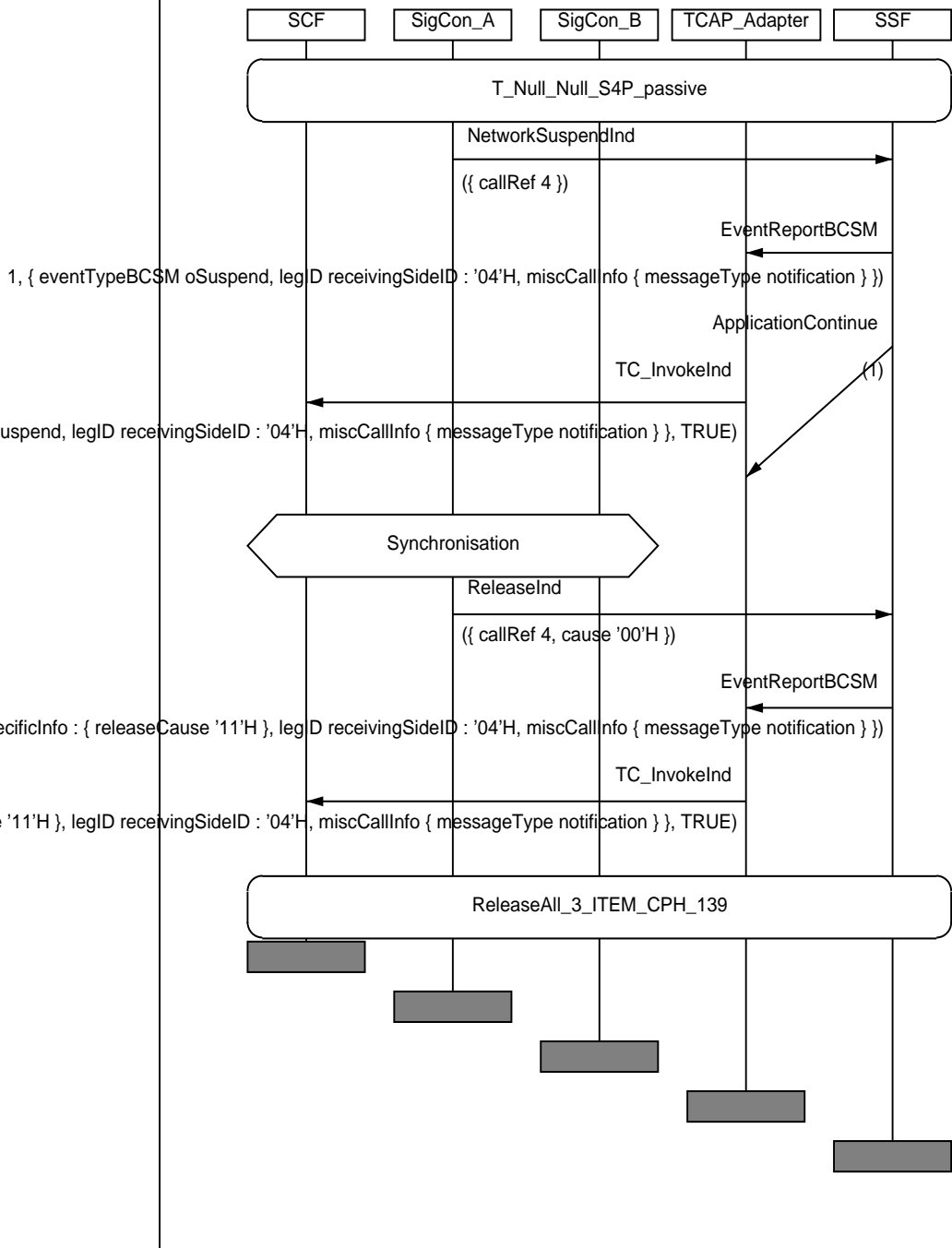


| IN3_A_CPH_ARM_48 | |
|--------------------------|---|
| Work item no.: | ITEM_CPH_137 |
| IN2 Ref(tmp) | Not provided |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble T_null_null_S4P_passive, having armed event tDisconnect on leg1 (passive), events tDisconnect, tMidCall and tSuspend on leg2 (controlling), oSuspend, oDisconnect on leg3 and leg4 (passive), sends exactly one EventReportBCSM invoke component indicating (leg4,oDisconnect) after having received ReleaseInd(Normal clearing) from SigConD. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.24 |
| Selection Cond. | |
| Preamble: | T_null_null_S4P_passive |
| Test description | CP1_4!ReleaseInd(Normal clearing) |
| Pass criteria | L1?EventReportBCSM(4,oDisconnect) |
| Postamble: | ReleaseAll_3 |

10.2.2.2.2 Multiple events from a single passive leg

| IN3_A_CPH_ARM_50 | |
|--------------------------|--|
| Work item no.: | ITEM_CPH_139 |
| IN2 Ref(tmp) | Not provided |
| Purpose: | Verify that the SSF, being in CS configuration according to preamble T_null_null_S4P_passive, having armed event tDisconnect on leg1 (passive), events tDisconnect, tMidCall and tSuspend on leg 2 (controlling), oSuspend, oDisconnect on leg3 and leg4 (passive), sends exactly one EventReportBCSM invoke component indicating (leg4,oSuspend) and exactly one EventReportBCSM invoke component indicating (leg4,oDisconnect) after having received NetworkSuspendInd followed by ReleaseInd(Normal clearing) from SigConD. |
| Requirements refs | 6.5.1.2, 6.5.1.4, 6.6.3.4.2.2, 11.24 |
| Selection Cond. | |
| Preamble: | T_null_null_S4P_passive |
| Test description | CP1_4!NetworkSuspendInd CP1_4!ReleaseInd(Normal clearing) |
| Pass criteria | L1?EventReportBCSM(4,oSuspend) L1?EventReportBCSM(4,oDisconnect) |
| Postamble: | ReleaseAll_3 |

MSC IN3_A_CPH_ARM_50



Annex A (informative): Bibliography

ETSI ES 201 296 (V1.2.2): "Integrated Services Digital Network (ISDN); Signalling System No.7; ISDN User Part (ISUP); Signalling aspects of charging".

History

| Document history | | |
|-------------------------|----------------|--|
| V1.1.1 | September 2002 | One-step Approval Procedure OAP 20030110: 2002-09-11 to 2003-01-10 |
| V1.1.1 | January 2003 | Publication |
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