

Source: TSG CN WG2
Title: CRs on R99 Work Item CAMEL3, CR Pack 1
Agenda item: 7.1
Document for: APPROVAL

Introduction:

This document contains 4 CRs on R99 WI CAMEL3 and corresponding mirror CRs for Rel-4/Rel-5. These CRs have been agreed by TSG CN WG2 and are forwarded to TSG CN Plenary meeting #17 for approval.

| Spec | CR | Rev | Doc-2nd-Level | Phase | Subject | Cat | Ver_C |
|--------|-----|-----|---------------|-------|---|-----|--------|
| 23.078 | 441 | 1 | N2-020742 | R99 | Inconsistent description on ACR: time information | F | 3.13.0 |
| 23.078 | 442 | 1 | N2-020743 | Rel-4 | Inconsistent description on ACR: time information | A | 4.5.1 |
| 23.078 | 443 | 1 | N2-020744 | Rel-5 | Inconsistent description on ACR: time information | A | 5.0.0 |
| 29.078 | 262 | 1 | N2-020745 | R99 | Correction of 29.078 CANCEL-gprs | F | 3.12.0 |
| 29.078 | 263 | 1 | N2-020746 | Rel-4 | Correction of 29.078 CANCEL-gprs | A | 4.5.0 |
| 29.078 | 254 | 1 | N2-020748 | R99 | Removal of ReleaseCall from Assisting gsmSSF | F | 3.12.0 |
| 29.078 | 255 | 1 | N2-020749 | Rel-4 | Removal of ReleaseCall from Assisting gsmSSF | A | 4.5.0 |
| 29.078 | 256 | 1 | N2-020750 | Rel-5 | Removal of ReleaseCall from Assisting gsmSSF | A | 5.0.0 |
| 23.078 | 433 | 1 | N2-020751 | R99 | Correction in CAMEL_MO_Dialled_Services procedure | F | 3.13.0 |
| 23.078 | 434 | 1 | N2-020752 | Rel-4 | Correction in CAMEL_MO_Dialled_Services procedure | A | 4.5.1 |
| 23.078 | 435 | 1 | N2-020753 | Rel-5 | Correction in CAMEL_MO_Dialled_Services procedure | A | 5.0.0 |

CHANGE REQUEST

⌘ **23.078 CR 441** ⌘ rev **1** ⌘ Current version: **3.13.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: UICC apps ME Radio Access Network Core Network

| | | | |
|------------------------|---|--|---|
| Title: | ⌘ | Inconsistent description on ACR: time information | |
| Source: | ⌘ | Siemens AG | |
| Work item code: | ⌘ | CAMEL3 | Date: ⌘ 30/07/2002 |
| Category: | ⌘ | F (essential correction) | Release: ⌘ R99 |
| | | Use <u>one</u> of the following categories: | Use <u>one</u> of the following releases: |
| | | F (correction) | 2 (GSM Phase 2) |
| | | A (corresponds to a correction in an earlier release) | R96 (Release 1996) |
| | | B (addition of feature), | R97 (Release 1997) |
| | | C (functional modification of feature) | R98 (Release 1998) |
| | | D (editorial modification) | R99 (Release 1999) |
| | | Detailed explanations of the above categories can be found in 3GPP TR 21.900 . | Rel-4 (Release 4) |
| | | | Rel-5 (Release 5) |
| | | | Rel-6 (Release 6) |

| | | |
|--------------------------------------|---|--|
| Reason for change: | ⌘ | CR 29.078-128r3 (N2-000675 at CN2#15 Paris) was approved to solve a problem which did not cover the scenario where a tariff switch occurs before the supervised call is answered. At that time, only the solution to the stage 3 was given. However, the stage 2 description was left unchanged. |
| Summary of change: | ⌘ | Correct the description in the stage 2 to align with the stage 3. |
| Consequences if not approved: | ⌘ | Inconsistent between the stage 2 and the stage 3. No correct solution could be identified. Different implementation could occur. |

| | | | | | | | | | | |
|------------------------------|---|---|---|---|--|---|--|---|--|---|
| Clauses affected: | ⌘ | 4.6.1.2 | | | | | | | | |
| Other specs affected: | ⌘ | <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;">X</td> </tr> </table> Other core specifications ⌘ Test specifications ⌘ O&M Specifications ⌘ | Y | N | | X | | X | | X |
| Y | N | | | | | | | | | |
| | X | | | | | | | | | |
| | X | | | | | | | | | |
| | X | | | | | | | | | |
| Other comments: | ⌘ | | | | | | | | | |

*** For Information (29.078) ***

11.5 ApplyChargingReport procedure

11.5.1 General description

This operation is used by the gsmSSF to report charging related information to the gsmSCF as requested by the gsmSCF using the "ApplyCharging" operation.

Timing of duration shall be started if answer is detected by the gsmSSF. It shall be started independently for a connection to a Called Party, a Temporary Connection and a gsmSRF connection.

A report is generated as specified in the 3GPP TS 23.078 [42].

11.5.1.1 Parameters

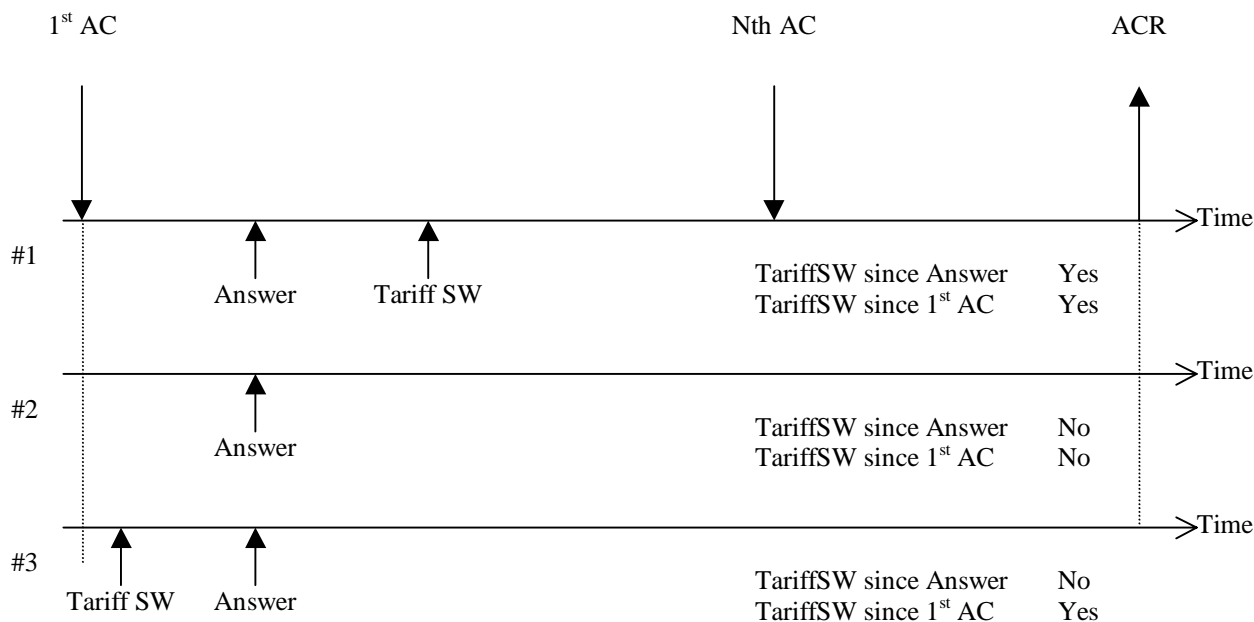
- callResult:
This parameter provides the gsmSCF with the charging related information previously requested using the ApplyCharging operation. The "CallResult" is a list, and can contain the following parameters:
 - timeDurationChargingResult:
This is a list, and can contain the following parameters:
 - timeInformation:
This is a choice of the following parameters:
 - timeIfNoTariffSwitch:
This parameter will be present if no tariff switch has occurred **since the reception of the first ApplyCharging operation** for the connection to the Called Party, Temporary Connection or gsmSRF connection, otherwise it will be absent.
If Answer was detected for the connection to the Called Party, the Temporary Connection or the gsmSRF connection, then the elapsed time since detection of Answer shall be reported. If answer was not detected, it shall be set to "0".
 - timeIfTariffSwitch:

This parameter will be present if a tariff switch has occurred **since the reception of the first ApplyCharging operation** for the connection to the Called Party, Temporary Connection or gsmSRF connection, otherwise it will be absent.
The parameter may contain the following information:
 - timeSinceLastTariffSwitch:

If Answer was detected for the connection to the Called Party, the Temporary Connection or the gsmSRF connection, then the elapsed time since detection of Answer or the last tariff switch (whichever of these events was last detected) shall be reported. If Answer was not detected, it shall be set to "0".
 - TariffSwitchInterval:

This parameter is present only if a tariff switch has occurred since the detection of Answer for the connection to the Called Party, the temporary connection or the gsmSRF connection in the reported call period.
The time interval between either the detection of the Answer event or the previous tariff switch (whichever of these events was last detected) and the last tariff switch is reported.
- partyToCharge:
The "partyToCharge" parameter as received in the related ApplyCharging operation or deduced from the default value, to correlate the result to the request.

***** For Information *****



In the scenario #3 in above figure, ACR in the current description in 23.078 sends Time If No Tarrif Switch, while ACR in 29.078 sends Time If Tariff Switch.

***** Modified Part *****

4.6.1.2 Apply Charging Report

4.6.1.2.1 Description

This IF is used by the gsmSSF to report to the gsmSCF the information requested in the Apply Charging IF.

4.6.1.2.2 Information Elements

| Information element name | MO | MF | MT | VT | Description |
|--|----|----|----|----|---|
| Call Result | M | M | M | M | This IE contains the charging information to be provided by the gsmSSF. |
| M Mandatory (The IE shall always be sent). | | | | | |

Call Result contains the following information:

| Information element name | MO | MF | MT | VT | Description |
|--|----|----|----|----|--|
| Time Duration Charging Result | M | M | M | M | This IE is a list defined in the next table. |
| M Mandatory (The IE shall always be sent). | | | | | |

Time Duration Charging Result contains the following information:

| Information element name | MO | MF | MT | VT | Description |
|-----------------------------|---|----|----|----|---|
| Time Information | M | M | M | M | This IE is a choice between Time if No Tariff Switch and Time if Tariff Switch. |
| Party To Charge | M | M | M | M | This IE is received in the related ApplyCharging operation to correlate the result to the request. This IE shall be a copy of the corresponding IE received in the Apply Charging operation. |
| Call Active | M | M | M | M | This IE indicates whether the call is active or not. |
| Call Released at Tcp Expiry | C | C | C | C | This element is an indication that the gsmSSF has released the call and terminated the dialogue, due to Tcp expiry. It shall be present when ACR is sent due to Tcp expiry and the gsmSSF has released the call (because "ReleaselfExceeded" was present in ACH operation). In all other circumstances, this element shall be absent. |
| M | Mandatory (The IE shall always be sent). | | | | |
| C | Conditional (The IE shall be sent, if available). | | | | |

Time Information contains one of the following information:

| Information element name | MO | MF | MT | VT | Description |
|--------------------------|---|----|----|----|--|
| Time If No Tariff Switch | C | C | C | C | This IE will be present if no tariff switch has occurred since the reception of the first Apply Charging IF detection of Answer for the connection to the Called Party, the Temporary Connection, or the gsmSRF connection, otherwise it will be absent. If Answer was detected for the connection to the Called Party, the Temporary Connection or the gsmSRF connection, then the elapsed time since detection of Answer shall be reported. If answer was not detected, it shall be set to "0". |
| Time If Tariff Switch | C | C | C | C | This IE will be present if a tariff switch has occurred since the reception of the first Apply Charging IF detection of Answer for the connection to the Called Party, the Temporary Connection, or the gsmSRF connection, otherwise it will be absent. |
| C | Conditional (The IE shall be sent, if available). | | | | |

***** End of Document *****

CHANGE REQUEST

⌘ **23.078 CR 442** ⌘ rev **1** ⌘ Current version: **4.5.1** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: UICC apps ME Radio Access Network Core Network

| | | | |
|------------------------|--|-----------------|--|
| Title: | ⌘ Inconsistent description on ACR: time information | | |
| Source: | ⌘ Siemens AG | | |
| Work item code: | ⌘ CAMEL3 | Date: | ⌘ 30/07/2002 |
| Category: | ⌘ A | Release: | ⌘ Rel-4 |
| | <i>Use <u>one</u> of the following categories:</i> F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 . | | <i>Use <u>one</u> of the following releases:</i> 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6) |

| | | | |
|--------------------------------------|--|--|--|
| Reason for change: | ⌘ CR 29.078-128r3 (N2-000675 at CN2#15 Paris) was approved to solve a problem which did not cover the scenario where a tariff switch occurs before the supervised call is answered. At that time, only the solution to the stage 3 was given. However, the stage 2 description was left unchanged. | | |
| Summary of change: | ⌘ Correct the description in the stage 2 to align with the stage 3. | | |
| Consequences if not approved: | ⌘ Inconsistent between the stage 2 and the stage 3. No correct solution could be identified. Different implementation could occur. | | |

| | | | | | | | | | | | |
|------------------------------|--|---|---|--------------------------|-------------------------------------|--------------------------|-------------------------------------|--------------------------|-------------------------------------|--|---|
| Clauses affected: | ⌘ 4.6.1.2 | | | | | | | | | | |
| Other specs affected: | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;">Y</td> <td style="text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> | Y | N | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other core specifications Test specifications O&M Specifications | ⌘ |
| Y | N | | | | | | | | | | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | | | | | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | | | | | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | | | | | |
| Other comments: | ⌘ | | | | | | | | | | |

*** For Information (29.078) ***

11.5 ApplyChargingReport procedure

11.5.1 General description

This operation is used by the gsmSSF to report charging related information to the gsmSCF as requested by the gsmSCF using the "ApplyCharging" operation.

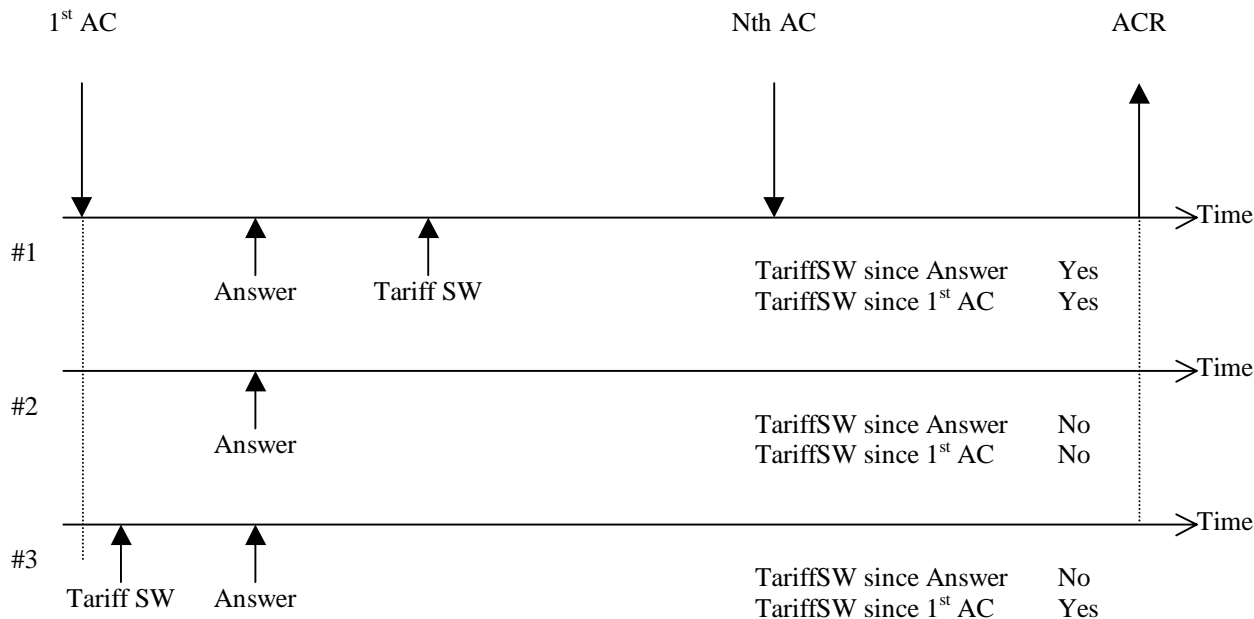
Timing of duration shall be started if answer is detected by the gsmSSF. It shall be started independently for a connection to a Called Party, a Temporary Connection and a gsmSRF connection.

A report is generated as specified in the 3GPP TS 23.078 [42].

11.5.1.1 Parameters

- callResult:
This parameter provides the gsmSCF with the charging related information previously requested using the ApplyCharging operation. The "CallResult" is a list, and can contain the following parameters:
 - timeDurationChargingResult:
This is a list, and can contain the following parameters:
 - timeInformation:
This is a choice of the following parameters:
 - timeIfNoTariffSwitch:
This parameter will be present if no tariff switch has occurred since the reception of the first ApplyCharging operation for the connection to the Called Party, Temporary Connection or gsmSRF connection, otherwise it will be absent.
If Answer was detected for the connection to the Called Party, the Temporary Connection or the gsmSRF connection, then the elapsed time since detection of Answer shall be reported. If answer was not detected, it shall be set to "0".
 - timeIfTariffSwitch:
This parameter will be present if a tariff switch has occurred since the reception of the first ApplyCharging operation for the connection to the Called Party, Temporary Connection or gsmSRF connection, otherwise it will be absent.
The parameter may contain the following information:
 - timeSinceLastTariffSwitch:
If Answer was detected for the connection to the Called Party, the Temporary Connection or the gsmSRF connection, then the elapsed time since detection of Answer or the last tariff switch (whichever of these events was last detected) shall be reported. If Answer was not detected, it shall be set to "0".
 - TariffSwitchInterval:
This parameter is present only if a tariff switch has occurred since the detection of Answer for the connection to the Called Party, the temporary connection or the gsmSRF connection in the reported call period.
The time interval between either the detection of the Answer event or the previous tariff switch (whichever of these events was last detected) and the last tariff switch is reported.
- partyToCharge:
The "partyToCharge" parameter as received in the related ApplyCharging operation or deduced from the default value, to correlate the result to the request.

***** For Information *****



In the scenario #3 in above figure, ACR in the current description in 23.078 sends Time If No Tarrif Switch, while ACR in 29.078 sends Time If Tariff Switch.

***** Modified Part *****

4.6.1.2 Apply Charging Report

4.6.1.2.1 Description

This IF is used by the gsmSSF to report to the gsmSCF the information requested in the Apply Charging IF.

4.6.1.2.2 Information Elements

| Information element name | MO | MF | MT | VT | Description |
|--|----|----|----|----|---|
| Call Result | M | M | M | M | This IE contains the charging information to be provided by the gsmSSF. |
| M Mandatory (The IE shall always be sent). | | | | | |

Call Result contains the following information:

| Information element name | MO | MF | MT | VT | Description |
|--|----|----|----|----|--|
| Time Duration Charging Result | M | M | M | M | This IE is a list defined in the next table. |
| M Mandatory (The IE shall always be sent). | | | | | |

Time Duration Charging Result contains the following information:

| Information element name | MO | MF | MT | VT | Description |
|-----------------------------|---|----|----|----|---|
| Time Information | M | M | M | M | This IE is a choice between Time if No Tariff Switch and Time if Tariff Switch. |
| Party To Charge | M | M | M | M | This IE is received in the related ApplyCharging operation to correlate the result to the request. This IE shall be a copy of the corresponding IE received in the Apply Charging operation. |
| Call Active | M | M | M | M | This IE indicates whether the call is active or not. |
| Call Released at Tcp Expiry | C | C | C | C | This element is an indication that the gsmSSF has released the call and terminated the dialogue, due to Tcp expiry. It shall be present when ACR is sent due to Tcp expiry and the gsmSSF has released the call (because "ReleaselfExceeded" was present in ACH operation). In all other circumstances, this element shall be absent. |
| M | Mandatory (The IE shall always be sent). | | | | |
| C | Conditional (The IE shall be sent, if available). | | | | |

Time Information contains one of the following information:

| Information element name | MO | MF | MT | VT | Description |
|--------------------------|---|----|----|----|--|
| Time If No Tariff Switch | C | C | C | C | This IE will be present if no tariff switch has occurred since the reception of the first Apply Charging IF detection of Answer for the connection to the Called Party, the Temporary Connection, or the gsmSRF connection, otherwise it will be absent. If Answer was detected for the connection to the Called Party, the Temporary Connection or the gsmSRF connection, then the elapsed time since detection of Answer shall be reported. If answer was not detected, it shall be set to "0". |
| Time If Tariff Switch | C | C | C | C | This IE will be present if a tariff switch has occurred since the reception of the first Apply Charging IF detection of Answer for the connection to the Called Party, the Temporary Connection, or the gsmSRF connection, otherwise it will be absent. |
| C | Conditional (The IE shall be sent, if available). | | | | |

***** End of Document *****

CHANGE REQUEST

⌘ **23.078 CR 443** ⌘ rev **1** ⌘ Current version: **5.0.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: UICC apps ME Radio Access Network Core Network

| | | | |
|------------------------|---|---|---|
| Title: | ⌘ | Inconsistent description on ACR: time information | |
| Source: | ⌘ | Siemens AG | |
| Work item code: | ⌘ | CAMEL3 | Date: ⌘ 30/07/2002 |
| Category: | ⌘ | A | Release: ⌘ Rel-5 |
| | | <i>Use one of the following categories:</i> F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 . | <i>Use one of the following releases:</i> 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6) |

| | | |
|--------------------------------------|---|--|
| Reason for change: | ⌘ | CR 29.078-128r3 (N2-000675 at CN2#15 Paris) was approved to solve a problem which did not cover the scenario where a tariff switch occurs before the supervised call is answered. At that time, only the solution to the stage 3 was given. However, the stage 2 description was left unchanged. |
| Summary of change: | ⌘ | Correct the description in the stage 2 to align with the stage 3. |
| Consequences if not approved: | ⌘ | Inconsistent between the stage 2 and the stage 3. No correct solution could be identified. Different implementation could occur. |

| | | | | | | | | | | |
|------------------------------|---------------------|--|---|---|--|--|--|--|---------------------------|---|
| Clauses affected: | ⌘ | 4.6.1.2 | | | | | | | | |
| Other specs affected: | ⌘ | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="width: 20px; height: 15px;"></td> <td style="width: 20px; height: 15px;"></td> </tr> <tr> <td style="width: 20px; height: 15px;"></td> <td style="width: 20px; height: 15px;"></td> </tr> </table> | Y | N | | | | | Other core specifications | ⌘ |
| | | Y | N | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | Test specifications | | | | | | | | | |
| | O&M Specifications | | | | | | | | | |
| Other comments: | ⌘ | | | | | | | | | |

4.6.1.2 Apply Charging Report

4.6.1.2.1 Description

This IF is used by the gsmSSF to report to the gsmSCF the information requested in the Apply Charging IF.

4.6.1.2.2 Information Elements

| Information element name | Status | Description |
|--------------------------|--------|---|
| Call Result | M | This IE contains the charging information provided by the gsmSSF. |

Call Result contains the following information elements:

| Information element name | Status | Description |
|-------------------------------|--------|--|
| Time Duration Charging Result | M | This IE is described in a table below. |

Time Duration Charging Result contains the following information elements:

| Information element name | Status | Description |
|---------------------------------|--------|---|
| Time Information | M | This IE is described in a table below. |
| Party To Charge | M | This IE is received in the related Apply Charging IF to correlate the result to the request. This IE shall be a copy of the corresponding IE received in the Apply Charging IF. |
| LegID | M | This IE identifies the call party concerned by the Apply Charging IF. |
| Leg Active | M | This IE indicates whether the call leg is active or not. |
| Call Leg Released At Tcp Expiry | S | This IE is an indication that the gsmSSF has released the call leg and terminated the dialogue, due to Tcp expiry. It shall be present when Apply Charging Report is sent due to Tcp expiry and the gsmSSF has released the call leg (because 'ReleaselfExceeded' was present in the Apply Charging IF). In all other circumstances, this IE shall be absent. |

Time Information contains the following information elements:

| Information element name | Status | Description |
|--------------------------|--------|--|
| Time If No Tariff Switch | S,E | This IE shall be present if no tariff switch has occurred since the reception of the first Apply Charging IF detection of Answer for the connection to the Called Party, the Temporary Connection, or the gsmSRF connection, otherwise it shall be absent. If Answer was detected for the connection to the Called Party, the Temporary Connection or the gsmSRF connection, then the elapsed time since detection of Answer shall be reported. If answer was not detected, it shall be set to "0". |
| Time If Tariff Switch | S,E | This IE shall be present if a tariff switch has occurred since the reception of the first Apply Charging IF detection of Answer for the connection to the Called Party, the Temporary Connection, or the gsmSRF connection, otherwise it shall be absent. |

| | |
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| CR-Form-v7 | |
| CHANGE REQUEST | |
| ⌘ 29.078 CR 262 ⌘ rev 1 ⌘ | Current version: 3.12.0 ⌘ |

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: UICC apps ME Radio Access Network Core Network

| | | | |
|------------------------|---|-----------------|---|
| Title: | ⌘ Correction of 29.078-CANCELgprs | | |
| Source: | ⌘ Alcatel | | |
| Work item code: | ⌘ CAMEL 3 | Date: | ⌘ 29/07/2002 |
| Category: | ⌘ F (essential correction) Use <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP <u>TR 21.900</u> . | Release: | ⌘ R99 Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6) |

| | | | |
|--------------------------------------|---|--|--|
| Reason for change: | ⌘ Update of the gprsSSF postcondition after a CANCELgprs operation to take into account scenario1 | | |
| Summary of change: | ⌘ In case the gprsSSF was in monitoring before CANCELgprs, the gprsSSF process returns to idle or remains in monitoring state depending of the pending ACRs and EDPs and NOT only depending of the pending PDP contexts. The same principle is for WFI. This correction allows the treatment of CANCELgprs on GPRS Attach.Detach State model. | | |
| Consequences if not approved: | ⌘ If implemented according to the current specification CAMEL does not work for GPRS scenario 1. Misalignment will be between stage 2 23.078 and stage 3 29.078 specifications. | | |

| | | | |
|------------------------------|--|-----|-----------------------------|
| Clauses affected: | ⌘ Paragraf 11.12.2.1 | | |
| Other specs affected: | ⌘ | Y N | |
| | ⌘ | X | Other core specifications ⌘ |
| | ⌘ | X | Test specifications |
| | ⌘ | X | O&M Specifications |
| Other comments: | ⌘ For Release 5 no typeA contribution needed | | |

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at: http://www.3gpp.org/3G_Specs/CRs.htm. Below is a brief summary:

- 1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

3GPP TS 29.078 v3.12.0 (2002-06)

- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <ftp://ftp.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

modification

11.12 CancelGPRS procedure

11.12.1 General description

The gsmSCF uses this operation to request the gprsSSF to cancel all outstanding requests for a GPRS session or a specific PDP context and enable the state machine in the gprsSSF to go to "Idle" if there are no further outstanding EDPs or pending reports.

This procedure can not be used to cancel a previous operation.

11.12.1.1 Parameters

- pDPID:
This parameter, if present, identifies the PDP Context for which the active requests for EventReportGPRS and ApplyGPRSChargingReport shall be cancelled.

11.12.2 Responding entity (gprsSSF)

11.12.2.1 Normal procedure

gprsSSF precondition:

- (1) The gprsSSF is in the states "Waiting for Instructions" or "Monitoring".

gprsSSF postcondition:

- (1) All active requests for ApplyChargingReportGPRS and outstanding EDPs have been cancelled. In the case a PDPID was included only the ApplyChargingReportsGPRS and outstanding EDPs for the corresponding PDP context are cancelled.
- (2) In the case the gprsSSF was in state "Monitoring" it shall return to idle if there are no other pending ApplyChargingReportGPRS or armed EDPs~~PDP contexts pending~~; or

In the case the gprsSSF was in state "Waiting for Instructions" it shall remain in that state. A subsequent GPRS session or PDP context processing operation will move the gprsSSF to state "Idle" if there are no other pending ApplyChargingReportGPRS or armed EDPs~~PDP contexts pending~~.

The GPRS session or PDP context, if in active state, is further treated by gprsSSF autonomously as a normal (non-CSE controlled) GPRS session or PDP context.

11.12.2.2 Error handling

Generic error handling for the operation related errors is described in clause 10 and the TC services which are used for reporting operation errors are described in clause 12.

modification end

| | |
|---|---------------------------------|
| CR-Form-v7 | |
| CHANGE REQUEST | |
| ⌘ 29.078 CR 263 ⌘ rev 1 ⌘ | Current version: 4.5.0 ⌘ |

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: UICC apps ME Radio Access Network Core Network

| | | | |
|------------------------|---|-----------------|---|
| Title: | ⌘ Correction of 29.078-CANCELgprs | | |
| Source: | ⌘ Alcatel | | |
| Work item code: | ⌘ CAMEL 3 | Date: | ⌘ 29/07/02 |
| Category: | ⌘ A (essential correction) Use <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP <u>TR 21.900</u> . | Release: | ⌘ REL-4 Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6) |

| | | | |
|--------------------------------------|--|--|--|
| Reason for change: | ⌘ Update of the gprsSSF postcondition of the gprsSSF after a CANCELgprs operation to take into account Scenario1 | | |
| Summary of change: | ⌘ In case the gprsSSF process was in monitoring before CANCELgprs, the gprsSSF process returns to idle or remains in monitoring state depending of the pending ACRs and EDPRs and NOT only depending of the pending PDP contexts. The same principle is for Waiting for Instruction. This correction allows the treatment of CANCELgprs on GPRS Attach/Detach State Model. | | |
| Consequences if not approved: | ⌘ If implemented according to the current specification CAMEL does not work for GPRS scenario 1. Misalignment will be between stage 2 23.078 and stage 3 29.078 specifications. | | |

| | | | | | | | | | | | |
|------------------------------|--|---------------------|---|--------------------------|-------------------------------------|--------------------------|-------------------------------------|--------------------------|-------------------------------------|---------------------------|---|
| Clauses affected: | ⌘ Paragraf 11.12 | | | | | | | | | | |
| Other specs affected: | <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20px;">Y</td> <td style="width: 20px;">N</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> </table> | Y | N | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other core specifications | ⌘ |
| Y | N | | | | | | | | | | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | | | | | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | | | | | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | | | | | |
| | | Test specifications | | | | | | | | | |
| | | O&M Specifications | | | | | | | | | |
| Other comments: | ⌘ For release5 no typeA contribution needed | | | | | | | | | | |

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at: http://www.3gpp.org/3G_Specs/CRs.htm. Below is a brief summary:

3GPP TS 29.078 v4.5.0 (2002-06)

- 1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <ftp://ftp.3gpp.org/specs/>. For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

modification

11.12 CancelGPRS procedure

11.12.1 General description

The gsmSCF uses this operation to request the gprsSSF to cancel all outstanding requests for a GPRS session or a specific PDP context and enable the state machine in the gprsSSF to go to "Idle" if there are no further outstanding EDPs or pending reports.

This procedure can not be used to cancel a previous operation.

11.12.1.1 Parameters

- pDPID:
This parameter, if present, identifies the PDP Context for which the active requests for EventReportGPRS and ApplyGPRSCargingReport shall be cancelled.

11.12.2 Responding entity (gprsSSF)

11.12.2.1 Normal procedure

gprsSSF precondition:

- (1) The gprsSSF is in the states "Waiting for Instructions" or "Monitoring".

gprsSSF postcondition:

- (1) All active requests for ApplyChargingReportGPRS and outstanding EDPs have been cancelled. In the case a PDPID was included only the ApplyChargingReportsGPRS and outstanding EDPs for the corresponding PDP context are cancelled.

- (2) In the case the gprsSSF was in state "Monitoring" it shall return to idle if there are no other pending ApplyChargingReportGPRS or armed EDPs ~~PDP contexts pending~~; or

In the case the gprsSSF was in state "Waiting for Instructions" it shall remain in that state. A subsequent GPRS session or PDP context processing operation will move the gprsSSF to state "Idle" if there are no other ApplyChargingReportGPRS or armed EDPs ~~PDP contexts pending~~.

The GPRS session or PDP context, if in active state, is further treated by gprsSSF autonomously as a normal (non-CSE controlled) GPRS session or PDP context.

11.12.2.2 Error handling

Generic error handling for the operation related errors is described in clause 10 and the TC services which are used for reporting operation errors are described in clause 12.

modification end

CHANGE REQUEST

⌘ **29.078 CR 254** ⌘ rev **1** ⌘ Current version: **3.12.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: UICC apps ME Radio Access Network Core Network

| | | | |
|------------------------|---|---|--|
| Title: | ⌘ Removal of ReleaseCall from Assisting gsmSSF | | |
| Source: | ⌘ Nokia | | |
| Work item code: | ⌘ CAMEL 3 | Date: | ⌘ 30/07/2002 |
| Category: | ⌘ F (Agreed by consensus) Use <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 . | Release: | ⌘ R99 |
| | | Use <u>one</u> of the following releases: | 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6) |

| | |
|--------------------------------------|---|
| Reason for change: | ⌘ There is a contradiction between 23.078 SDLs and 29.078 Assisting gsmSSF related Application Context. |
| Summary of change: | ⌘ The callHandlingPackage is removed from capAssistHandoffssfToScf CONTRACT. |
| Consequences if not approved: | ⌘ The ReleaseCall operation is allowed in Application Context between gsmSCF and Assisting gsmSSF but the functionality is not specified. If the gsmSCF send the ReleaseCall in TC-END message, the recovery actions may be complicate. |

| | | | | | | | | | | | |
|------------------------------|---|---|---|--------------------------|-------------------------------------|--------------------------|-------------------------------------|--------------------------|-------------------------------------|--|--|
| Clauses affected: | ⌘ 6.1.2.1 and 11.35.1 | | | | | | | | | | |
| Other specs affected: | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;">Y</td> <td style="text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> Other core specifications ⌘ Test specifications ⌘ O&M Specifications ⌘ | Y | N | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Y | N | | | | | | | | | | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | | | | | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | | | | | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | | | | | |
| Other comments: | ⌘ Current stage 3 specifies that the gsmSCF "may" not use the ReleaseCall, but not explicitly deny, this CR should make the handling clear. Originally the ReleaseCall is copied to this Application Context from the CS2 INAP Handoff case but the Handoff does not exists in CAMEL. | | | | | | | | | | |

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <http://www.3gpp.org/specs/CR.htm>. Below is a brief summary:

- 1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <ftp://ftp.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

***** First Modification *****

6.1.2.1 gsmSSF/gsmSCF ASN.1 module

...

-- Contracts

```
capSsfToScfGeneric CONTRACT ::= {
-- dialogue initiated by gsmSSF with InitialDP Operation
  INITIATOR CONSUMER OF
    {scfActivationPackage {cAPSpecificBoundSet}}
  RESPONDER CONSUMER OF
    {activityTestPackage |
    assistConnectionEstablishmentPackage {cAPSpecificBoundSet} |
    bcsmEventHandlingPackage {cAPSpecificBoundSet} |
    billingPackage {cAPSpecificBoundSet} |
    callHandlingPackage {cAPSpecificBoundSet} |
    callReportPackage {cAPSpecificBoundSet} |
    cancelPackage |
    chargingPackage {cAPSpecificBoundSet} |
    connectPackage {cAPSpecificBoundSet} |
    genericDisconnectResourcePackage |
    nonAssistedConnectionEstablishmentPackage {cAPSpecificBoundSet} |
    signallingControlPackage {cAPSpecificBoundSet} |
    specializedResourceControlPackage {cAPSpecificBoundSet} |
    ssfCallProcessingPackage {cAPSpecificBoundSet} |
    timerPackage {cAPSpecificBoundSet} |
    trafficManagementPackage {cAPSpecificBoundSet}}
  ID
  }

capAssistHandoffssfToScf CONTRACT ::= {
-- dialogue initiated by gsmSSF with AssistRequestInstructions
  INITIATOR CONSUMER OF
    {gsmSRF-scfActivationOfAssistPackage {cAPSpecificBoundSet}}
  RESPONDER CONSUMER OF
    {activityTestPackage |
    callHandlingPackage {cAPSpecificBoundSet} |
    cancelPackage |
    genericDisconnectResourcePackage |
    nonAssistedConnectionEstablishmentPackage {cAPSpecificBoundSet} |
    specializedResourceControlPackage {cAPSpecificBoundSet} |
    timerPackage {cAPSpecificBoundSet}}
  ID
  }
}
```

***** Next Modification *****

11.35 ReleaseCall procedure

11.35.1 General description

This operation is used by the gsmSCF to tear down a call at any phase. ~~This operation may not be sent to an assisting gsmSSF.~~

***** End of Document *****

CR-Form-v7

CHANGE REQUEST

⌘ **29.078 CR 255** ⌘ rev **1** ⌘ Current version: **4.5.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: UICC apps ME Radio Access Network Core Network

| | | | |
|------------------------|---|-----------------|---|
| Title: | ⌘ Removal of ReleaseCall from Assisting gsmSSF | | |
| Source: | ⌘ Nokia | | |
| Work item code: | ⌘ CAMEL 3 | Date: | ⌘ 30/07/2002 |
| Category: | ⌘ A | Release: | ⌘ Rel-4 |
| | Use <u>one</u> of the following categories: | | Use <u>one</u> of the following releases: |
| | F (correction) | | 2 (GSM Phase 2) |
| | A (corresponds to a correction in an earlier release) | | R96 (Release 1996) |
| | B (addition of feature), | | R97 (Release 1997) |
| | C (functional modification of feature) | | R98 (Release 1998) |
| | D (editorial modification) | | R99 (Release 1999) |
| | Detailed explanations of the above categories can be found in 3GPP TR 21.900. | | Rel-4 (Release 4) |
| | | | Rel-5 (Release 5) |
| | | | Rel-6 (Release 6) |

| | |
|--------------------------------------|---|
| Reason for change: | ⌘ There is a contradiction between 23.078 SDLs and 29.078 Assisting gsmSSF related Application Context. |
| Summary of change: | ⌘ The callHandlingPackage is removed from capAssistHandoffssfToScf CONTRACT. |
| Consequences if not approved: | ⌘ The ReleaseCall operation is allowed in Application Context between gsmSCF and Assisting gsmSSF but the functionality is not specified. If the gsmSCF send the ReleaseCall in TC-END message, the recovery actions may be complicate. |

| | | | | | | | |
|------------------------------|--|---------------------|---|--------------------------|-------------------------------------|---------------------------|---|
| Clauses affected: | ⌘ 6.1.2.1 and 11.35.1 | | | | | | |
| Other specs affected: | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> | Y | N | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other core specifications | ⌘ |
| Y | N | | | | | | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | |
| | <input checked="" type="checkbox"/> | Test specifications | | | | | |
| | <input checked="" type="checkbox"/> | O&M Specifications | | | | | |
| Other comments: | ⌘ Current stage 3 specifies that the gsmSCF "may" not use the ReleaseCall, but not explicitly deny, this CR should make the handling clear. Originally the ReleaseCall is copied to this Application Context from the CS2 INAP Handoff case but the Handoff does not exists in CAMEL. | | | | | | |

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <http://www.3gpp.org/specs/CR.htm>. Below is a brief summary:

- 1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <ftp://ftp.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

***** First Modification *****

6.1.2.1 gsmSSF/gsmSCF ASN.1 module

...

-- Contracts

```
capSsfToScfGeneric CONTRACT ::= {
-- dialogue initiated by gsmSSF with InitialDP Operation
  INITIATOR CONSUMER OF
    {scfActivationPackage {cAPSpecificBoundSet}}
  RESPONDER CONSUMER OF
    {activityTestPackage |
    assistConnectionEstablishmentPackage {cAPSpecificBoundSet} |
    bcsmEventHandlingPackage {cAPSpecificBoundSet} |
    billingPackage {cAPSpecificBoundSet} |
    callHandlingPackage {cAPSpecificBoundSet} |
    callReportPackage {cAPSpecificBoundSet} |
    cancelPackage |
    chargingPackage {cAPSpecificBoundSet} |
    connectPackage {cAPSpecificBoundSet} |
    genericDisconnectResourcePackage |
    nonAssistedConnectionEstablishmentPackage {cAPSpecificBoundSet} |
    signallingControlPackage {cAPSpecificBoundSet} |
    specializedResourceControlPackage {cAPSpecificBoundSet} |
    ssfCallProcessingPackage {cAPSpecificBoundSet} |
    timerPackage {cAPSpecificBoundSet} |
    trafficManagementPackage {cAPSpecificBoundSet}}
  ID
  }

capAssistHandoffssfToScf CONTRACT ::= {
-- dialogue initiated by gsmSSF with AssistRequestInstructions
  INITIATOR CONSUMER OF
    {gsmSRF-scfActivationOfAssistPackage {cAPSpecificBoundSet}}
  RESPONDER CONSUMER OF
    {activityTestPackage |
    callHandlingPackage {cAPSpecificBoundSet} |
    cancelPackage |
    genericDisconnectResourcePackage |
    nonAssistedConnectionEstablishmentPackage {cAPSpecificBoundSet} |
    specializedResourceControlPackage {cAPSpecificBoundSet} |
    timerPackage {cAPSpecificBoundSet}}
  ID
  }
```

***** Next Modification *****

11.35 ReleaseCall procedure

11.35.1 General description

This operation is used by the gsmSCF to tear down a call at any phase. ~~This operation may not be sent to an assisting gsmSSF.~~

***** End of Document *****

CHANGE REQUEST

⌘ **29.078 CR 256** ⌘ rev **1** ⌘ Current version: **5.0.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: UICC apps ME Radio Access Network Core Network

| | | | |
|------------------------|---|-----------------|---|
| Title: | ⌘ Removal of ReleaseCall from Assisting gsmSSF | | |
| Source: | ⌘ Nokia | | |
| Work item code: | ⌘ CAMEL 3 | Date: | ⌘ 30/07/2002 |
| Category: | ⌘ A | Release: | ⌘ Rel-5 |
| | Use <u>one</u> of the following categories: | | Use <u>one</u> of the following releases: |
| | F (correction) | | 2 (GSM Phase 2) |
| | A (corresponds to a correction in an earlier release) | | R96 (Release 1996) |
| | B (addition of feature), | | R97 (Release 1997) |
| | C (functional modification of feature) | | R98 (Release 1998) |
| | D (editorial modification) | | R99 (Release 1999) |
| | Detailed explanations of the above categories can be found in 3GPP TR 21.900. | | Rel-4 (Release 4) |
| | | | Rel-5 (Release 5) |
| | | | Rel-6 (Release 6) |

| | |
|--------------------------------------|---|
| Reason for change: | ⌘ There is a contradiction between 23.078 SDLs and 29.078 Assisting gsmSSF related Application Context. |
| Summary of change: | ⌘ The callHandlingPackage is removed from capAssistHandoffssfToScf CONTRACT. |
| Consequences if not approved: | ⌘ The ReleaseCall operation is allowed in Application Context between gsmSCF and Assisting gsmSSF but the functionality is not specified. If the gsmSCF send the ReleaseCall in TC-END message, the recovery actions may be complicate. |

| | | | | | | | |
|------------------------------|--|---------------------|---|--------------------------|-------------------------------------|---------------------------|---|
| Clauses affected: | ⌘ 6.1.2.1 and 11.27.1 | | | | | | |
| Other specs affected: | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input checked="" type="checkbox"/></td> </tr> </table> | Y | N | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other core specifications | ⌘ |
| Y | N | | | | | | |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | |
| | <input checked="" type="checkbox"/> | Test specifications | | | | | |
| | <input checked="" type="checkbox"/> | O&M Specifications | | | | | |
| Other comments: | ⌘ Current stage 3 specifies that the gsmSCF "may" not use the ReleaseCall, but not explicitly deny, this CR should make the handling clear. Originally the ReleaseCall is copied to this Application Context from the CS2 INAP Handoff case but the Handoff does not exists in CAMEL. | | | | | | |

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <http://www.3gpp.org/specs/CR.htm>. Below is a brief summary:

- 1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <ftp://ftp.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

| |
|-----------------------------------|
| *** First Modification *** |
|-----------------------------------|

6.1.2.1 gsmSSF/gsmSCF ASN.1 module

```

...

-- Contracts

capSsfToScfGeneric CONTRACT ::= {
-- dialogue initiated by gsmSSF with InitialDP Operation
  INITIATOR CONSUMER OF
    {exceptionInformPackage {cAPSpecificBoundSet} |
    scfActivationPackage {cAPSpecificBoundSet}}
  RESPONDER CONSUMER OF
    {activityTestPackage |
    assistConnectionEstablishmentPackage {cAPSpecificBoundSet} |
    bcsmEventHandlingPackage {cAPSpecificBoundSet} |
    billingPackage {cAPSpecificBoundSet} |
    callHandlingPackage {cAPSpecificBoundSet} |
    callReportPackage {cAPSpecificBoundSet} |
    cancelPackage |
    chargingEventHandlingPackage {cAPSpecificBoundSet} |
    chargingPackage {cAPSpecificBoundSet} |
    connectPackage {cAPSpecificBoundSet} |
    cphResponsePackage {cAPSpecificBoundSet} |
    genericDisconnectResourcePackage {cAPSpecificBoundSet} |
    nonAssistedConnectionEstablishmentPackage {cAPSpecificBoundSet} |
    signallingControlPackage {cAPSpecificBoundSet} |
    specializedResourceControlPackage {cAPSpecificBoundSet} |
    ssfCallProcessingPackage {cAPSpecificBoundSet} |
    timerPackage {cAPSpecificBoundSet} |
    trafficManagementPackage {cAPSpecificBoundSet} |
    scfCallInitiationPackage {cAPSpecificBoundSet}}
  ID
    id-CAPsSfToScfGeneric}

capAssistHandoffssfToScf CONTRACT ::= {
-- dialogue initiated by gsmSSF with AssistRequestInstructions
  INITIATOR CONSUMER OF
    {gsmSRF-scfActivationOfAssistPackage {cAPSpecificBoundSet}}
  RESPONDER CONSUMER OF
    {activityTestPackage |
    callHandlingPackage {cAPSpecificBoundSet} |
    cancelPackage |
    genericDisconnectResourcePackage {cAPSpecificBoundSet} |
    nonAssistedConnectionEstablishmentPackage {cAPSpecificBoundSet} |
    specializedResourceControlPackage {cAPSpecificBoundSet} |
    timerPackage {cAPSpecificBoundSet}}
  ID
    id-CAPAssistHandoffssfToScf}

capScfToSsfGeneric CONTRACT ::= {
-- dialogue initiated by gsmSCF with InitiateCallAttempt, Generic Case
  INITIATOR CONSUMER OF
    {activityTestPackage |
    assistConnectionEstablishmentPackage {cAPSpecificBoundSet} |
    bcsmEventHandlingPackage {cAPSpecificBoundSet} |
    billingPackage {cAPSpecificBoundSet} |
    callHandlingPackage {cAPSpecificBoundSet} |
    callReportPackage {cAPSpecificBoundSet} |
    cancelPackage |
    chargingPackage {cAPSpecificBoundSet} |
    connectPackage {cAPSpecificBoundSet} |
    cphResponsePackage {cAPSpecificBoundSet} |
    genericDisconnectResourcePackage {cAPSpecificBoundSet} |
    nonAssistedConnectionEstablishmentPackage {cAPSpecificBoundSet} |
    scfCallInitiationPackage {cAPSpecificBoundSet} |
    signallingControlPackage {cAPSpecificBoundSet} |
    specializedResourceControlPackage {cAPSpecificBoundSet} |
    ssfCallProcessingPackage {cAPSpecificBoundSet} |
    timerPackage {cAPSpecificBoundSet}}
  RESPONDER CONSUMER OF
    {exceptionInformPackage {cAPSpecificBoundSet}}
  ID
    id-capScfToSsfGeneric}

```

| |
|----------------------------------|
| *** Next Modification *** |
|----------------------------------|

11.27 ReleaseCall procedure

11.27.1 General description

The gsmSCF uses this operation to tear down a call at any phase. ~~This operation may not be sent to an assisting gsmSSF.~~

***** *End of Document* *****

CHANGE REQUEST

⌘ **23.078 CR 433** ⌘ rev **1** ⌘ Current version: **3.13.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: UICC apps ME Radio Access Network Core Network

| | | | |
|------------------------|---|-----------------|---|
| Title: | ⌘ Correction in CAMEL_MO_Dialled_Services procedure | | |
| Source: | ⌘ Alcatel | | |
| Work item code: | ⌘ CAMEL3 | Date: | ⌘ 29/07/2002 |
| Category: | ⌘ F (essential correction) | Release: | ⌘ R99 |
| | Use <u>one</u> of the following categories: | | Use <u>one</u> of the following releases: |
| | F (correction) | | 2 (GSM Phase 2) |
| | A (corresponds to a correction in an earlier release) | | R96 (Release 1996) |
| | B (addition of feature), | | R97 (Release 1997) |
| | C (functional modification of feature) | | R98 (Release 1998) |
| | D (editorial modification) | | R99 (Release 1999) |
| | Detailed explanations of the above categories can be found in 3GPP TR 21.900. | | Rel-4 (Release 4) |
| | | | Rel-5 (Release 5) |
| | | | Rel-6 (Release 6) |

| | |
|--------------------------------------|--|
| Reason for change: | ⌘ In case of MO reconnection, the internal message used between the MSC and the VLR (in order to check whether or not the call is barred (BOIC, BOIC_exHC)) should be "SEND_INFO_FOR_RECONNECTED-CALL". This message is forseen in the VLR . |
| Summary of change: | ⌘ In MO reconnection case , in the CAMEL_MO_Dialled_Services procedure : - "SEND_INFO_FOR_RECONNECTED-CALL" internal message shall be sent rather that SEND_INFO_FOR_OUTGOING_CALL - a new state is created in order to receive the response |
| Consequences if not approved: | ⌘ The call may be unnecessarily released.The SDL does not work in case of follow-on. Different implementations may exist, and thus interoperability problems. |

| | | | | | | | | | | | |
|------------------------------|---|---------------------|---|--|---|--|---|--|---|---------------------------|---|
| Clauses affected: | ⌘ | | | | | | | | | | |
| Other specs affected: | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;">X</td> </tr> </table> | Y | N | | X | | X | | X | Other core specifications | ⌘ |
| Y | N | | | | | | | | | | |
| | X | | | | | | | | | | |
| | X | | | | | | | | | | |
| | X | | | | | | | | | | |
| | | Test specifications | | | | | | | | | |
| | | O&M Specifications | | | | | | | | | |
| Other comments: | ⌘ The "second" internal message "SEND_INFO_FOR_OUTGOING_CALL" is sent to the VLR. The receipt of this message is forseen in the procedure "CAMEL_OCH_VLR" in the state "Wait_For_SIFOC2". But in case of follow-on there is no active process in the VLR. It is the reason why the internal message SEND_INFO_FOR_RECONNECTED-CALL was created in CAMEL phase 2 with the associated process in the VLR (CAMEL_Reconnected_Call_VLR). | | | | | | | | | | |

In CAMEL phase 3, the process CAMEL_Reconnected_Call_VLR still exists but the sending of SEND_INFO_FOR_RECONNECTED_CALL has disappeared. It is reason why this CR proposes to re-introduce the right handling.

4.5.2 Handling of mobile originated calls

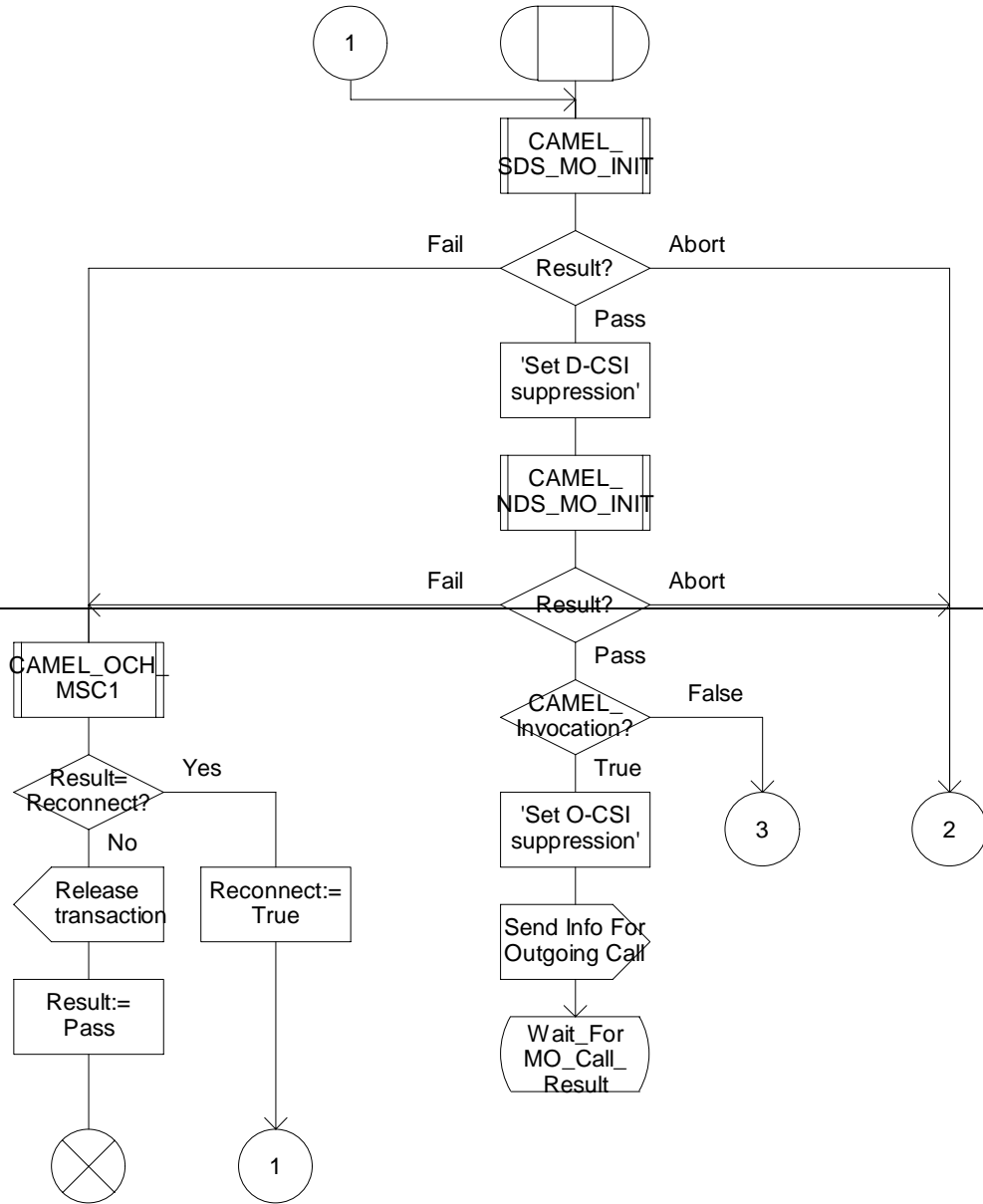
4.5.2.1 Handling of mobile originated calls in the originating MSC

Procedure CAMEL_MO_Dialled_Services

1(2)

/* Procedure in the MSC to process CAMEL dialled services for mobile originated calls */

/* Signals to/from the left are to/from the BSS; signals to/from the right are to/from the VLR. */



Procedure CAMEL_MO_Dialled_Services

1(3)

/* Procedure in the MSC to process CAMEL dialled services for mobile originated calls */

/* Signals to/from the left are to/from the BSS; signals to/from the right are to/from the VLR. */

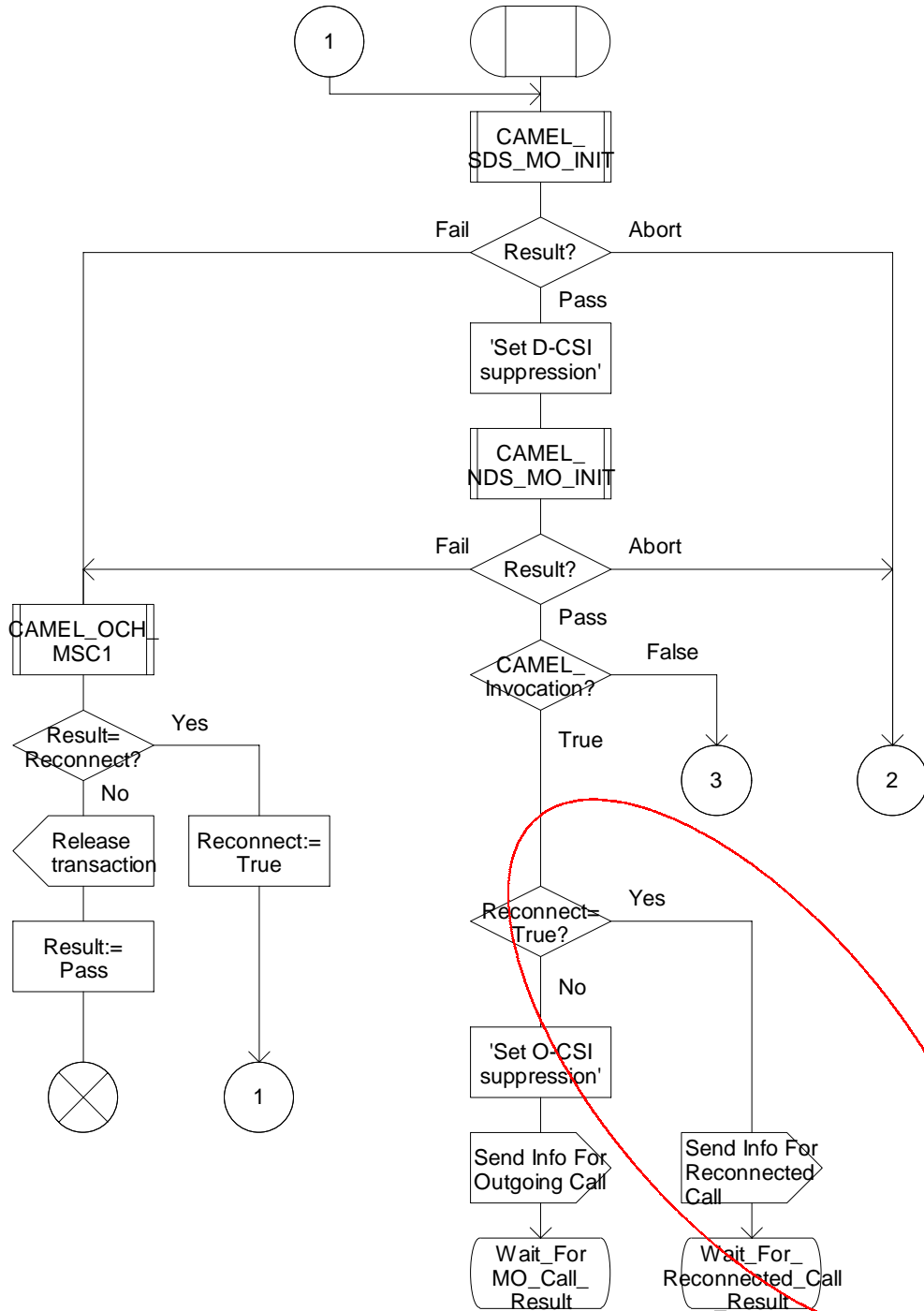


Figure 4.9a: Procedure CAMEL_MO_Dialled_Services (sheet 1)

Procedure CAMEL_MO_Dialled_Services

2(3)

/* Procedure in the MSC to process CAMEL dialled services for mobile originated calls */

/* Signals to/from the left are to/from the BSS; signals to/from the right are to/from the VLR. */

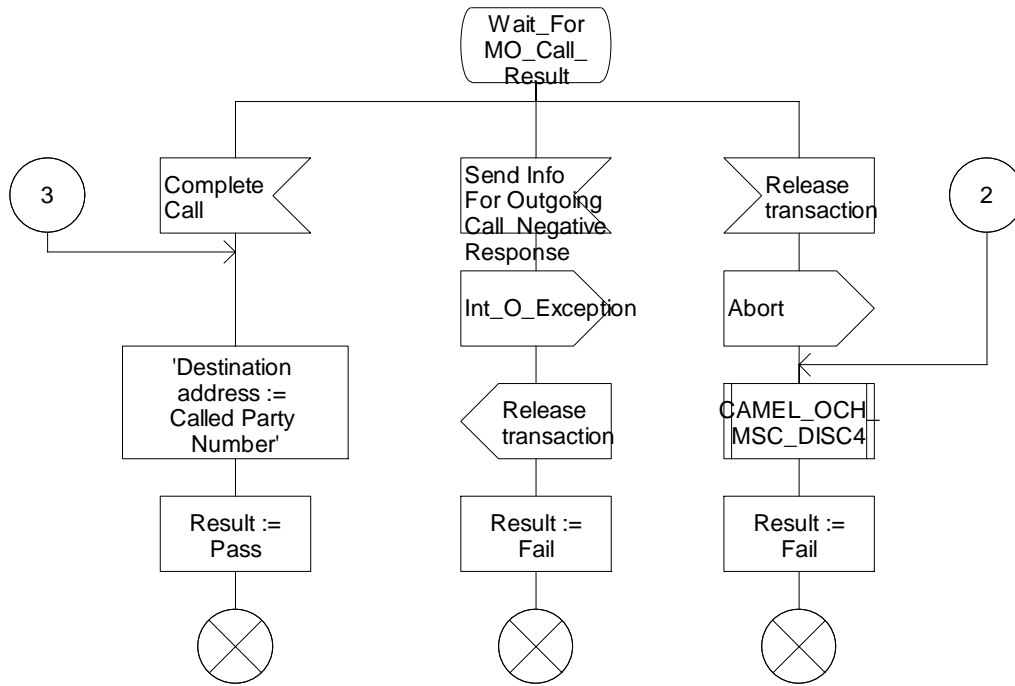


Figure 4.9b: Procedure CAMEL_MO_Dialled_Services (sheet 2)

Procedure CAMEL_MO_Dialled_Services

3(3)

/* Procedure in the MSC to process CAMEL dialled services for mobile originated calls */

/* Signals to/from the left are to/from the BSS; signals to/from the right are to/from the VLR. */

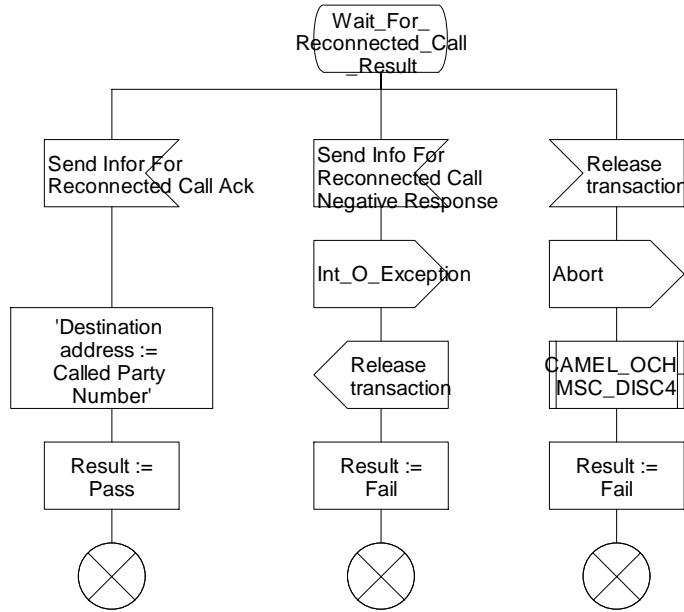


Figure 4.9c: Procedure CAMEL_MO Dialled Services (sheet 3)

CHANGE REQUEST

⌘ **23.078 CR 434** ⌘ rev **1** ⌘ Current version: **4.5.1** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: UICC apps ME Radio Access Network Core Network

| | | | |
|------------------------|---|-----------------|---|
| Title: | ⌘ Correction in CAMEL_MO_Dialled_Services procedure | | |
| Source: | ⌘ Alcatel | | |
| Work item code: | ⌘ CAMEL3 | Date: | ⌘ 29/07/2002 |
| Category: | ⌘ A | Release: | ⌘ Rel-4 |
| | Use <u>one</u> of the following categories: | | Use <u>one</u> of the following releases: |
| | F (correction) | | 2 (GSM Phase 2) |
| | A (corresponds to a correction in an earlier release) | | R96 (Release 1996) |
| | B (addition of feature), | | R97 (Release 1997) |
| | C (functional modification of feature) | | R98 (Release 1998) |
| | D (editorial modification) | | R99 (Release 1999) |
| | Detailed explanations of the above categories can be found in 3GPP TR 21.900. | | Rel-4 (Release 4) |
| | | | Rel-5 (Release 5) |
| | | | Rel-6 (Release 6) |

| | |
|--------------------------------------|--|
| Reason for change: | ⌘ In case of MO reconnection, the internal message used between the MSC and the VLR (in order to check whether or not the call is barred (BOIC, BOIC_exHC)) should be "SEND_INFO_FOR_RECONNECTED-CALL". This message is forseen in the VLR . |
| Summary of change: | ⌘ In MO reconnection case , in the CAMEL_MO_Dialled_Services procedure : - "SEND_INFO_FOR_RECONNECTED-CALL" internal message shall be sent rather that SEND_INFO_FOR_OUTGOING_CALL - a new state is created in order to receive the response |
| Consequences if not approved: | ⌘ The call may be unnecessarily released. The SDL does not work in case of follow-on. Different implementations may exist, and thus interoperability problems. |

| | | | | | | | | | | | |
|------------------------------|---|---------------------|---|---|---|---|---|---|---|---------------------------|---|
| Clauses affected: | ⌘ | | | | | | | | | | |
| Other specs affected: | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;">⌘</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">⌘</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">⌘</td> <td style="text-align: center;">X</td> </tr> </table> | Y | N | ⌘ | X | ⌘ | X | ⌘ | X | Other core specifications | ⌘ |
| Y | N | | | | | | | | | | |
| ⌘ | X | | | | | | | | | | |
| ⌘ | X | | | | | | | | | | |
| ⌘ | X | | | | | | | | | | |
| | | Test specifications | | | | | | | | | |
| | | O&M Specifications | | | | | | | | | |
| Other comments: | ⌘ The "second" internal message "SEND_INFO_FOR_OUTGOING_CALL" is sent to the VLR. The receipt of this message is forseen in the procedure "CAMEL_OCH_VLR" in the state "Wait_For_SIFOC2". But in case of follow-on there is no active process in the VLR. It is the reason why the internal message SEND_INFO_FOR_RECONNECTED-CALL was created in CAMEL phase 2 with the associated process in the VLR (CAMEL_Reconnected_Call_VLR). | | | | | | | | | | |

In CAMEL phase 3, the process CAMEL_Reconnected_Call_VLR still exists but the sending of SEND_INFO_FOR_RECONNECTED_CALL has disappeared. It is reason why this CR proposes to re-introduce the right handling.

4.5.2 Handling of mobile originated calls

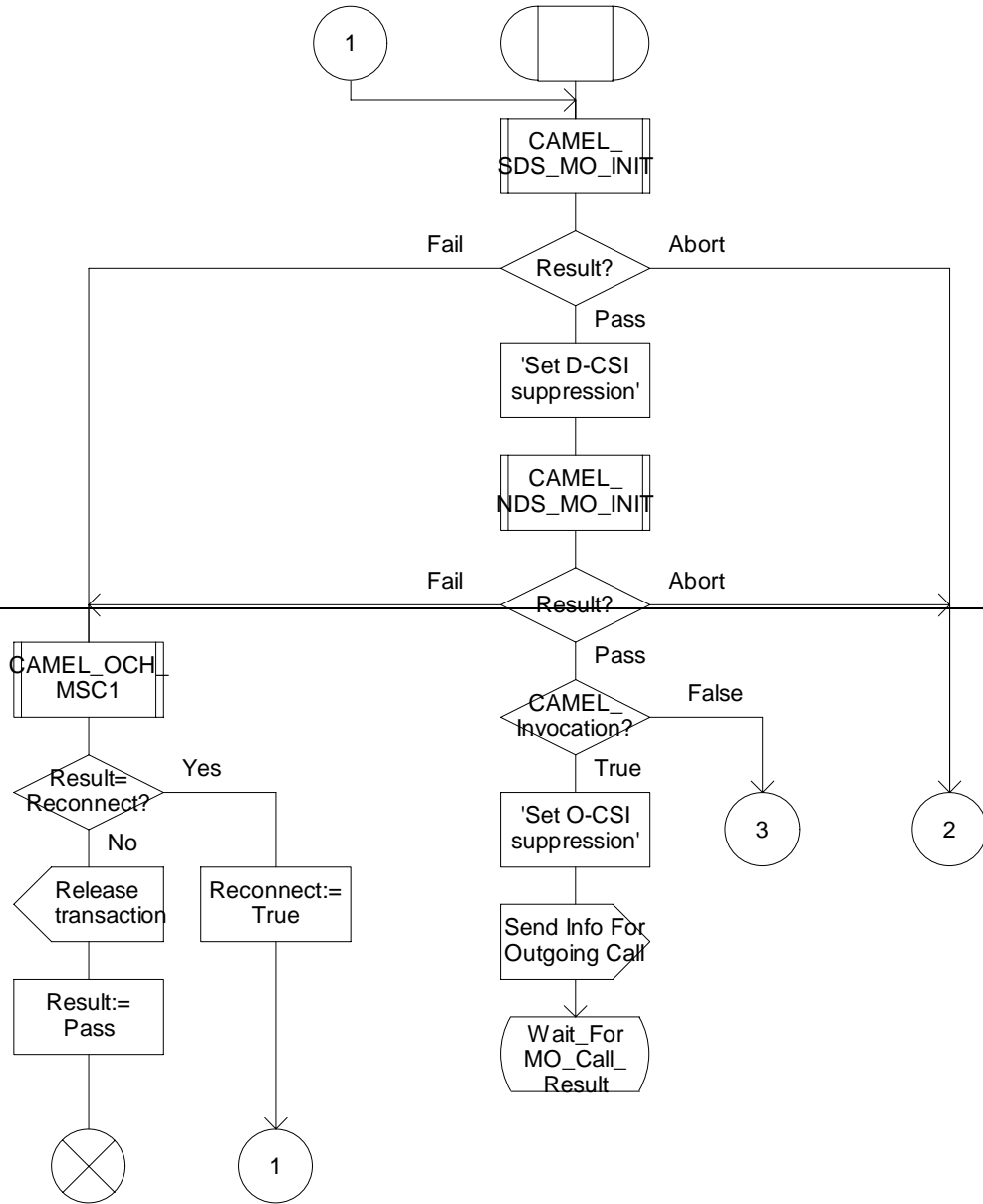
4.5.2.1 Handling of mobile originated calls in the originating MSC

Procedure CAMEL_MO_Dialled_Services

1(2)

/* Procedure in the MSC to process CAMEL dialled services for mobile originated calls */

/* Signals to/from the left are to/from the BSS; signals to/from the right are to/from the VLR. */



Procedure CAMEL_MO_Dialled_Services

1(3)

/* Procedure in the MSC to process CAMEL dialled services for mobile originated calls */

/* Signals to/from the left are to/from the BSS; signals to/from the right are to/from the VLR. */

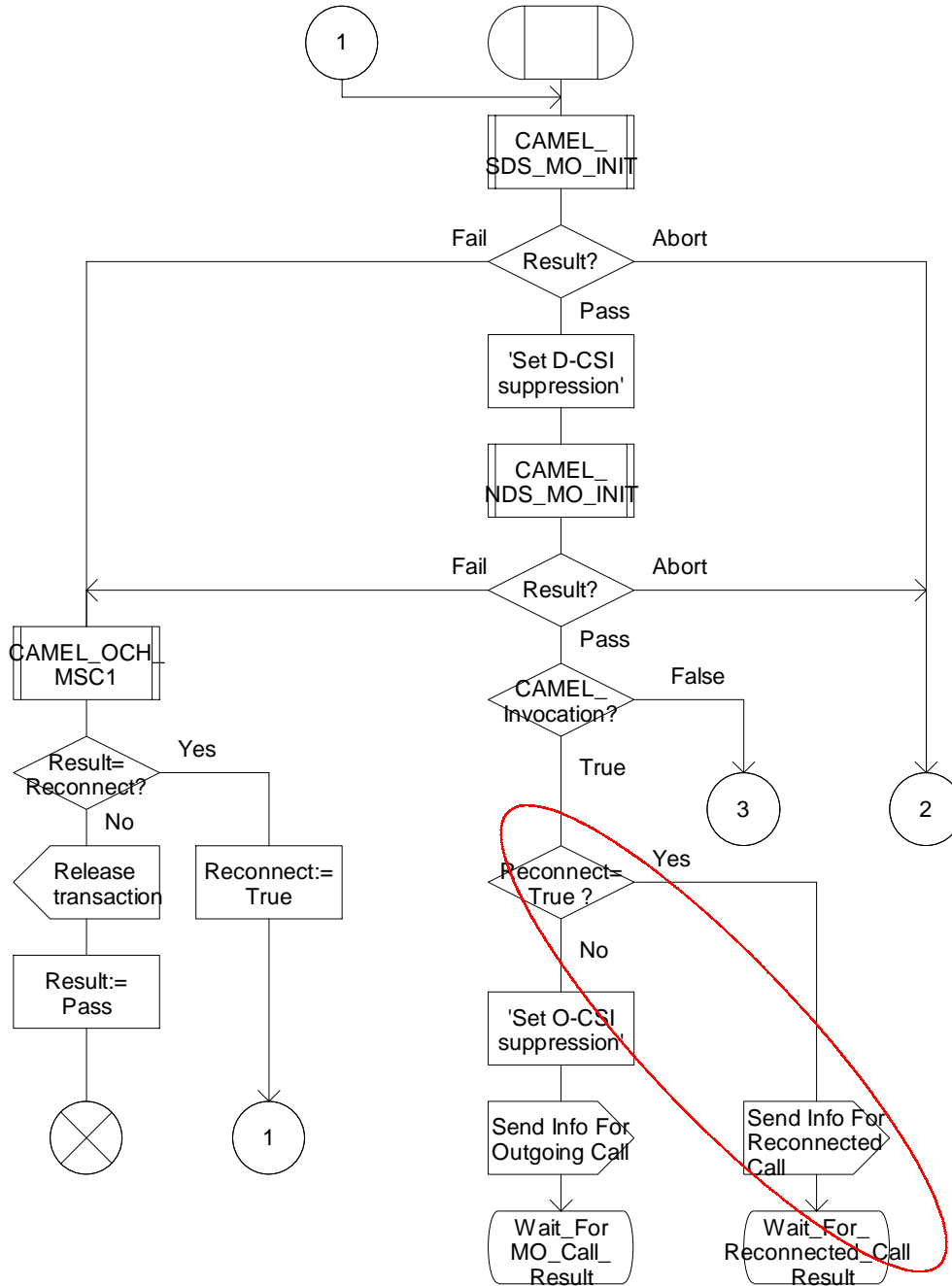


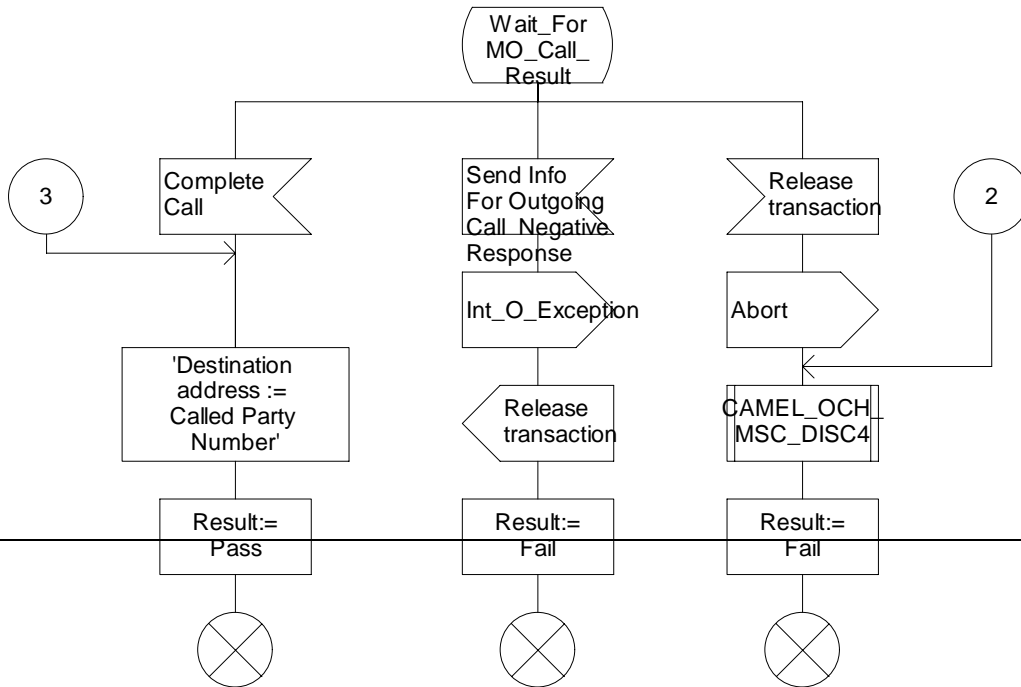
Figure 4.9a: Procedure CAMEL_MO_Dialled_Services (sheet 1)

Procedure CAMEL_MO_Dialled_Services

2(2)

/* Procedure in the MSC to process CAMEL dialled services for mobile originated calls */

/* Signals to/from the left are to/from the BSS; signals to/from the right are to/from the VLR. */



Procedure CAMEL_MO_Dialled_Services

2(3)

/* Procedure in the MSC to process CAMEL dialled services for mobile originated calls */

/* Signals to/from the left are to/from the BSS; signals to/from the right are to/from the VLR. */

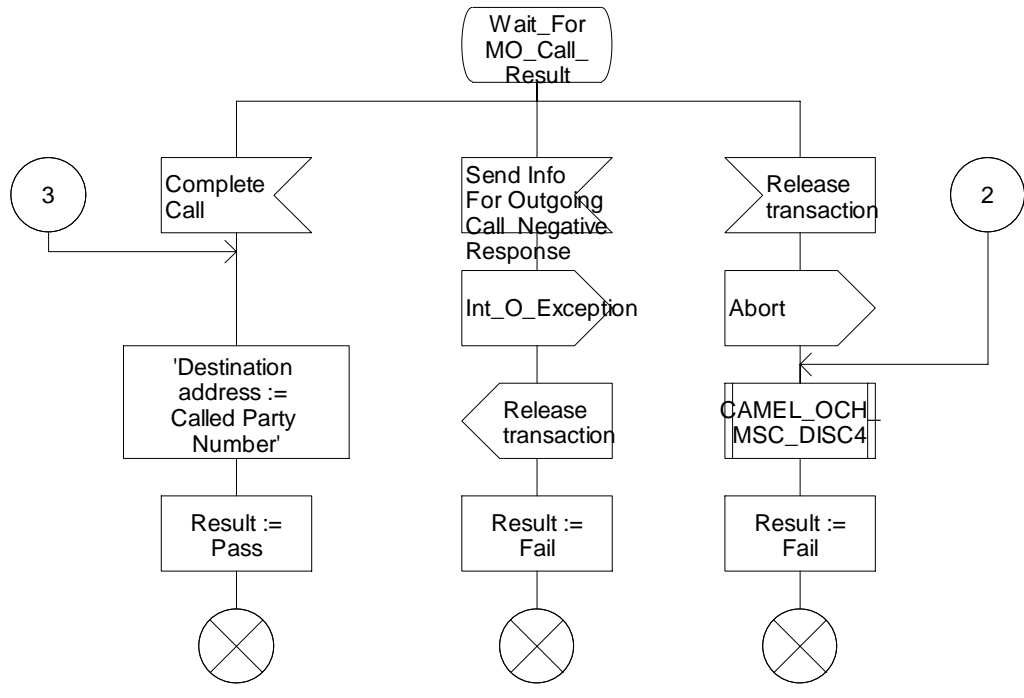


Figure 4.9b: Procedure CAMEL_MO_Dialled_Services (sheet 2)

Procedure CAMEL_MO_Dialled_Services

3(3)

/* Procedure in the MSC to process CAMEL dialled services for mobile originated calls */

/* Signals to/from the left are to/from the BSS; signals to/from the right are to/from the VLR. */

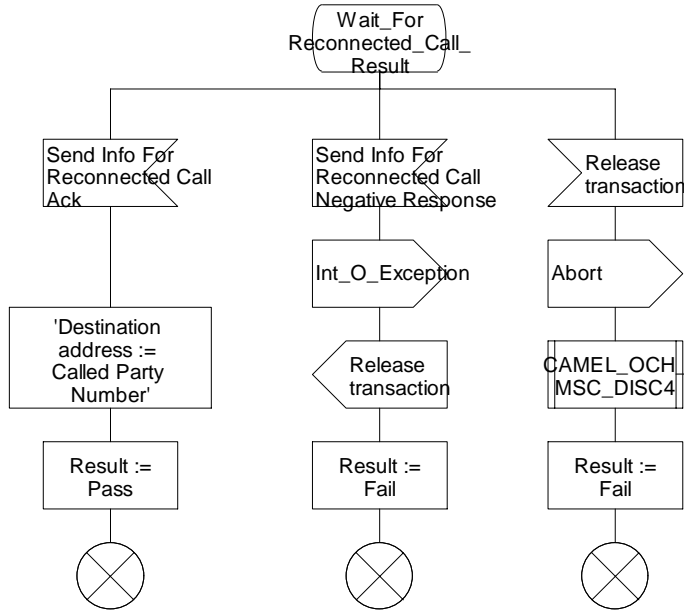


Figure 4.9c: Procedure CAMEL_MO Dialled Services (sheet 3)

CHANGE REQUEST

⌘ **23.078 CR 435** ⌘ rev **1** ⌘ Current version: **5.0.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: UICC apps ME Radio Access Network Core Network

| | | | |
|------------------------|---|-----------------|---|
| Title: | ⌘ Correction in CAMEL_MO_Dialled_Services procedure | | |
| Source: | ⌘ Alcatel | | |
| Work item code: | ⌘ CAMEL3 | Date: | ⌘ 29/07/2002 |
| Category: | ⌘ A | Release: | ⌘ Rel-5 |
| | Use <u>one</u> of the following categories: | | Use <u>one</u> of the following releases: |
| | F (correction) | | 2 (GSM Phase 2) |
| | A (corresponds to a correction in an earlier release) | | R96 (Release 1996) |
| | B (addition of feature), | | R97 (Release 1997) |
| | C (functional modification of feature) | | R98 (Release 1998) |
| | D (editorial modification) | | R99 (Release 1999) |
| | Detailed explanations of the above categories can be found in 3GPP TR 21.900. | | Rel-4 (Release 4) |
| | | | Rel-5 (Release 5) |
| | | | Rel-6 (Release 6) |

| | |
|--------------------------------------|--|
| Reason for change: | ⌘ In case of MO reconnection, the internal message used between the MSC and the VLR (in order to check whether or not the call is barred (BOIC, BOIC_exHC)) should be "SEND_INFO_FOR_RECONNECTED-CALL". This message is forseen in the VLR . |
| Summary of change: | ⌘ In MO reconnection case , in the CAMEL_MO_Dialled_Services procedure : - "SEND_INFO_FOR_RECONNECTED-CALL" internal message shall be sent rather that SEND_INFO_FOR_OUTGOING_CALL - a new state is created in order to receive the response |
| Consequences if not approved: | ⌘ The call may be unnecessarily released.The SDL does not work in case of follow-on. Different implementations may exist, and thus interoperability problems. |

| | | | | | | | | | | | |
|------------------------------|---|---------------------|---|---|---|---|---|---|---|---------------------------|---|
| Clauses affected: | ⌘ | | | | | | | | | | |
| Other specs affected: | <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> </tr> </table> | Y | N | X | X | X | X | X | X | Other core specifications | ⌘ |
| Y | N | | | | | | | | | | |
| X | X | | | | | | | | | | |
| X | X | | | | | | | | | | |
| X | X | | | | | | | | | | |
| | | Test specifications | | | | | | | | | |
| | | O&M Specifications | | | | | | | | | |
| Other comments: | ⌘ The "second" internal message "SEND_INFO_FOR_OUTGOING_CALL" is sent to the VLR. The receipt of this message is forseen in the procedure "CAMEL_OCH_VLR" in the state "Wait_For_SIFOC2". But in case of follow-on there is no active process in the VLR. It is the reason why the internal message SEND_INFO_FOR_RECONNECTED-CALL was created in CAMEL phase 2 with the associated process in the VLR (CAMEL_Reconnected_Call_VLR). | | | | | | | | | | |

In CAMEL phase 4, the process CAMEL_Reconnected_Call_VLR still exists but the sending of SEND_INFO_FOR_RECONNECTED_CALL has disappeared. It is reason why this CR proposes to re-introduce the right handling.

4.5.2 Handling of mobile originated calls

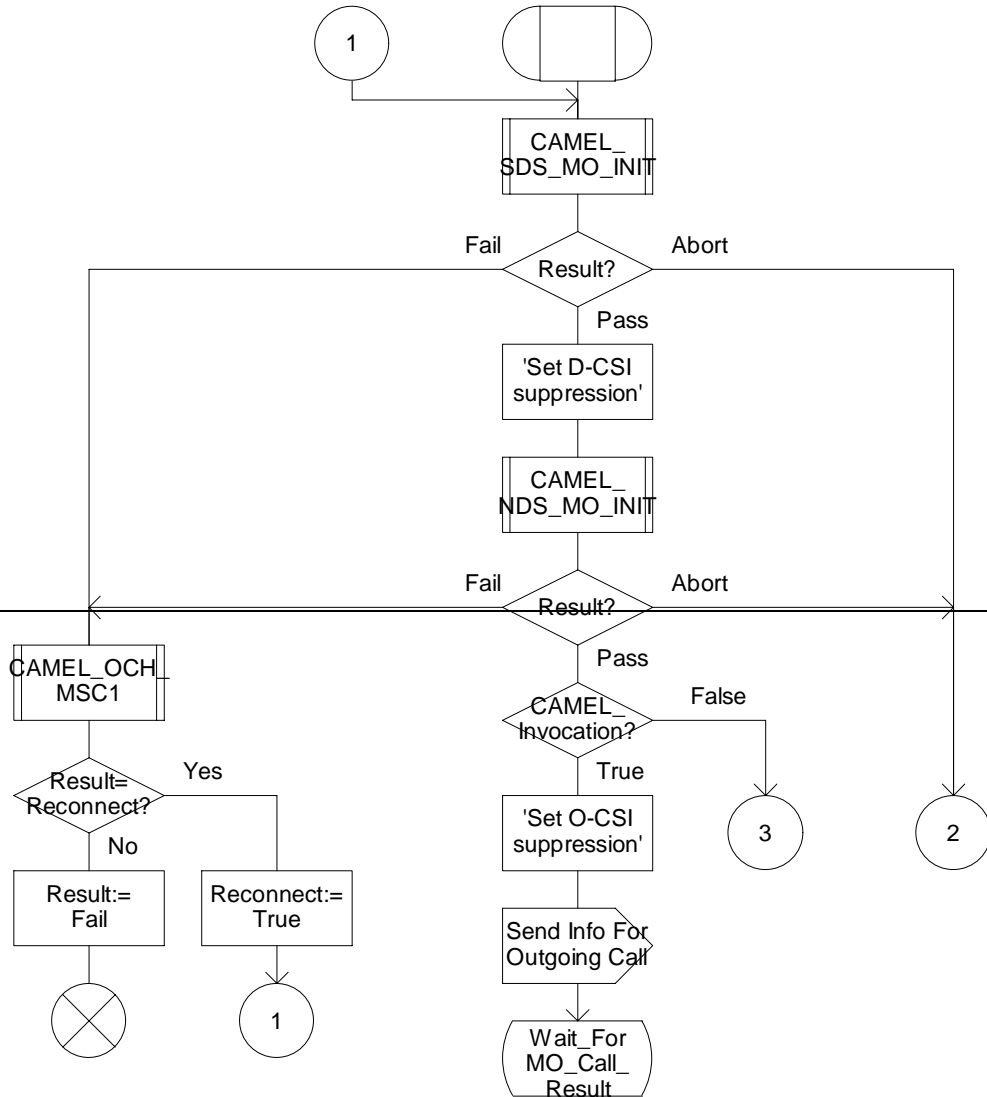
4.5.2.1 Handling of mobile originated calls in the originating MSC

Procedure CAMEL_MO_Dialled_Services

1(2)

/* Procedure in the MSC to process CAMEL dialled services for mobile originated calls */

/* Signals to/from the left are to/from the BSS; signals to/from the right are to/from the VLR. */



Procedure CAMEL_MO_Dialled_Services

1(3)

/* Procedure in the MSC to process CAMEL dialled services for mobile originated calls */

/* Signals to/from the left are to/from the BSS; signals to/from the right are to/from the VLR. */

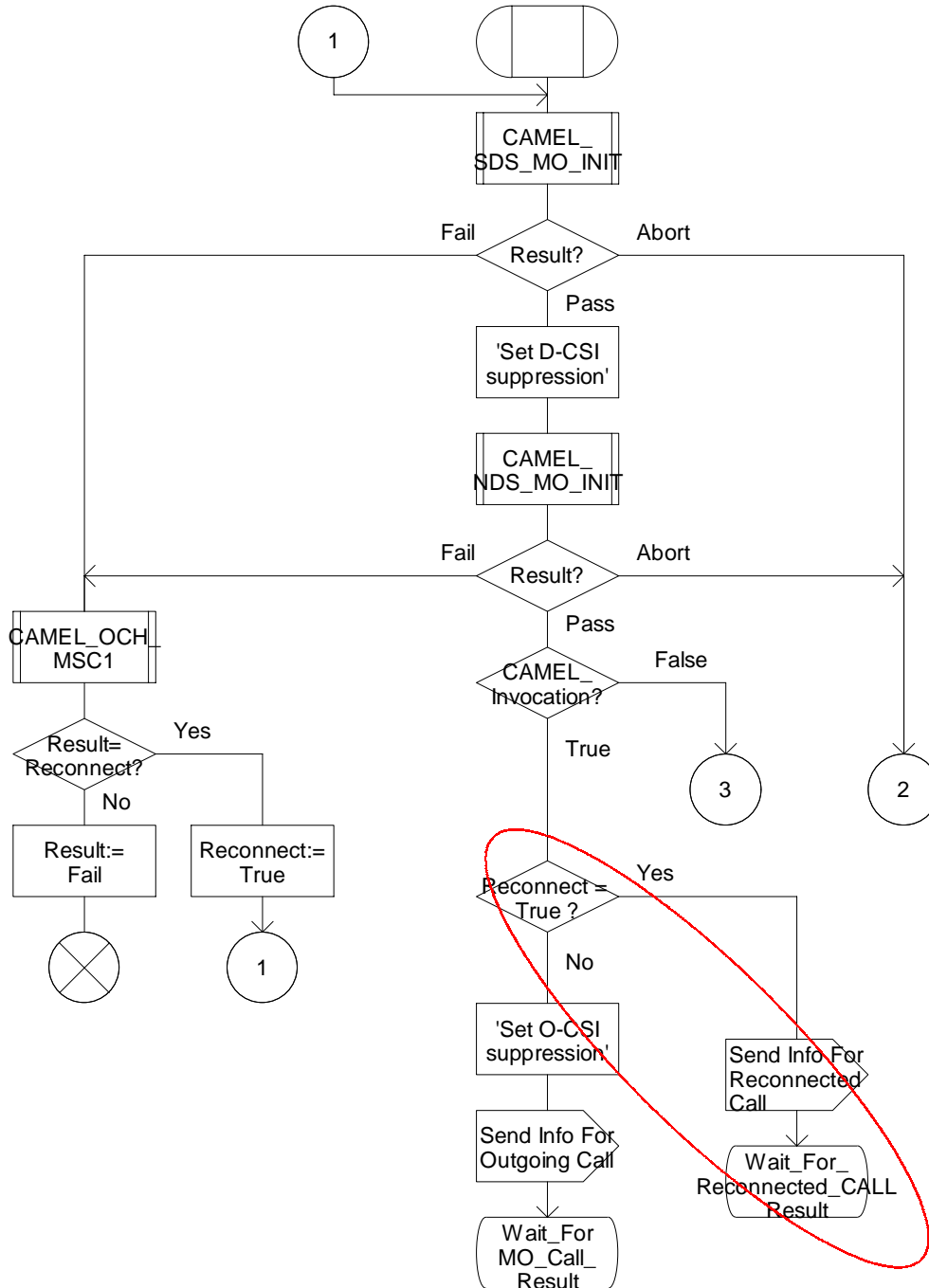


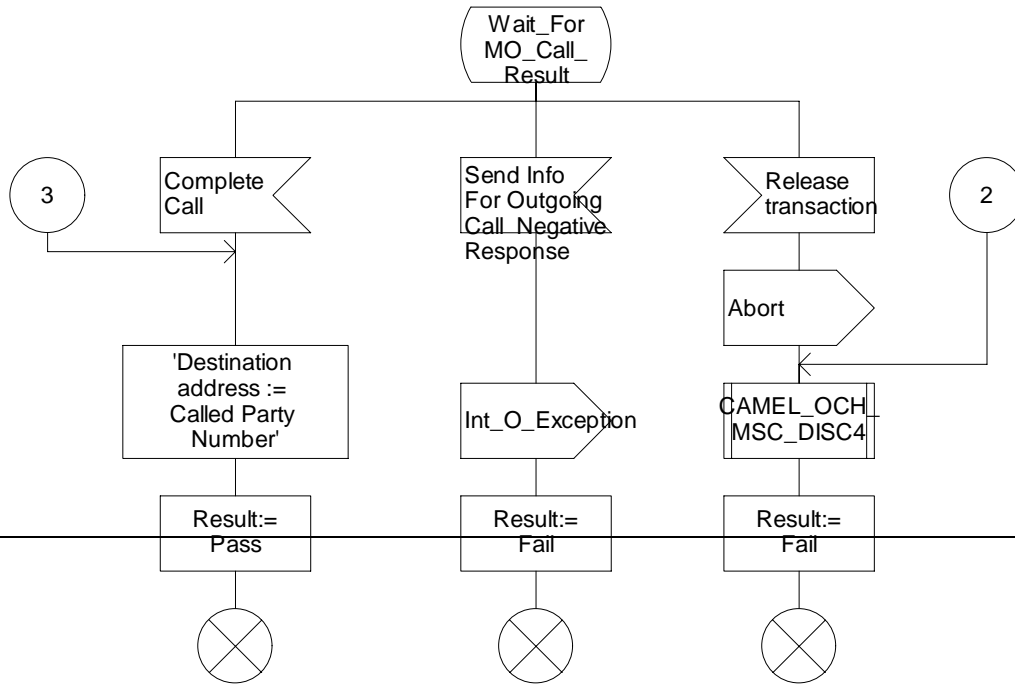
Figure 4.11a: Procedure CAMEL_MO_Dialled_Services (sheet 1)

Procedure CAMEL_MO_Dialled_Services

2(2)

/* Procedure in the MSC to process CAMEL dialled services for mobile originated calls */

/* Signals to/from the left are to/from the BSS; signals to/from the right are to/from the VLR. */



Procedure CAMEL_MO_Dialled_Services

2(3)

/* Procedure in the MSC to process CAMEL dialled services for mobile originated calls */

/* Signals to/from the left are to/from the BSS; signals to/from the right are to/from the VLR. */

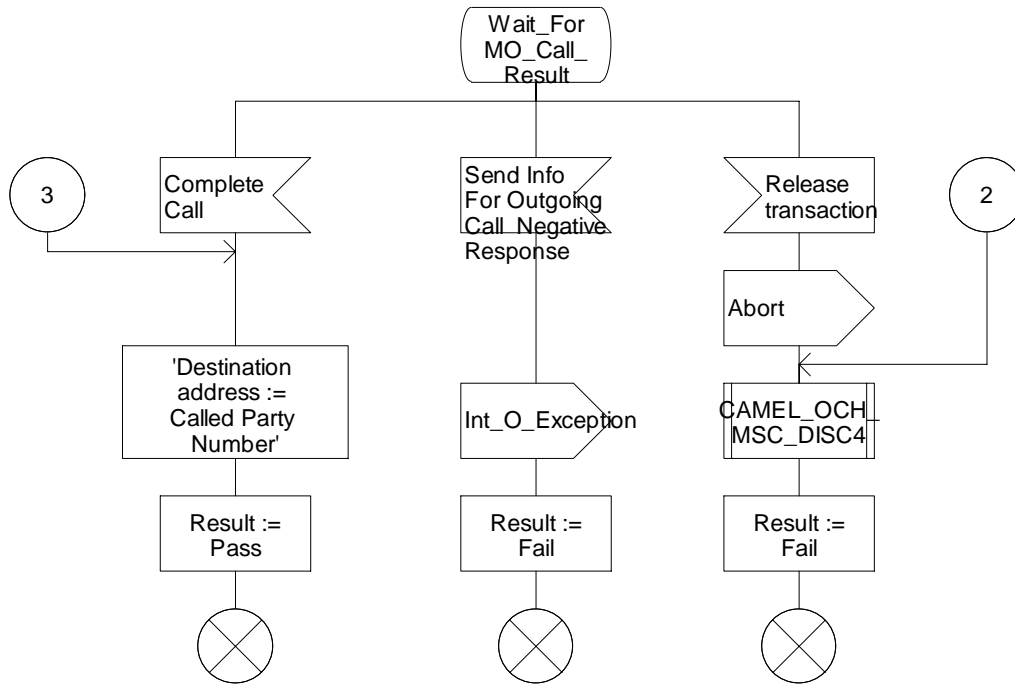


Figure 4.11b: Procedure CAMEL_MO_Dialled_Services (sheet 2)

Procedure CAMEL_MO_Dialled_Services

3(3)

/* Procedure in the MSC to process CAMEL dialled services for mobile originated calls */

/* Signals to/from the left are to/from the BSS; signals to/from the right are to/from the VLR. */

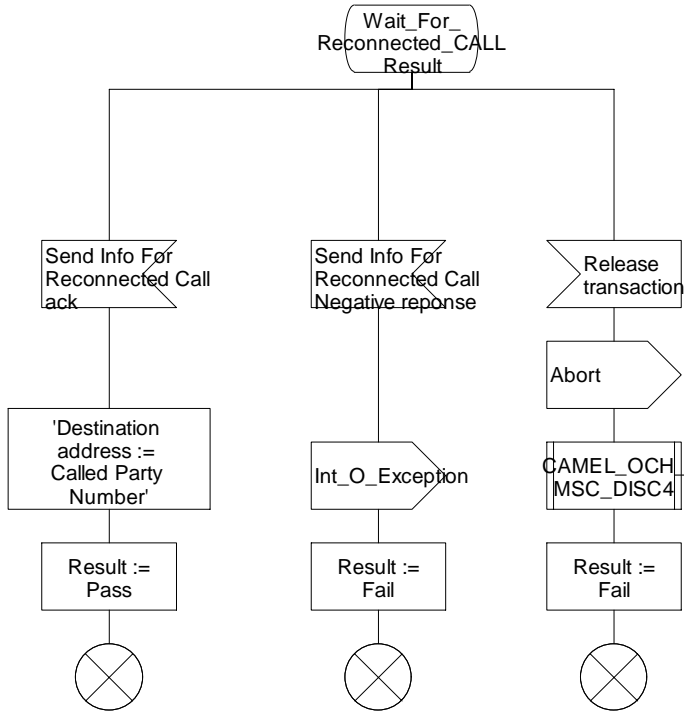


Figure 4.11c: Procedure CAMEL_MO_Dialled_Services (sheet 3)