

Source: CN3
Title: CRs to Rel-5 (with mirror CR) on Work Item "Service Change and UDI Fallback"
Agenda item: 8.7
Document for: APPROVAL

Introduction:

This document contains 2 CRs to Rel-5 on Work Item "SCUDIF" that have been agreed by TSG CN WG3, and are forwarded to TSG CN Plenary for approval.

| WG_tdoc | Spec | CR | R | Cat | Title | Rel | C_Ver | Work Item |
|-----------|--------|-----|---|-----|---|-------|-------|-----------|
| N3-050097 | 23.172 | 030 | | F | Inclusion of Missing HLR Interrogation Parameter for SCUDIF | Rel-5 | 5.4.0 | SCUDIF |
| N3-050098 | 23.172 | 031 | | A | Inclusion of Missing HLR Interrogation Parameter for SCUDIF | Rel-6 | 6.1.0 | SCUDIF |

CHANGE REQUEST

⌘ **23.172 CR 030** ⌘ rev **-** ⌘ Current version: **5.4.0** ⌘

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: | ⌘ Inclusion of Missing HLR Interrogation Parameter for SCUDIF | | |
| Source: | ⌘ L.M.Ericsson | | |
| Work item code: | ⌘ SCUDIF | Date: | ⌘ 18/02/2005 |
| Category: | ⌘ F | Release: | ⌘ Rel-5 |
| | 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 . | | Use <u>one</u> of the following releases: Ph2 (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) Rel-7 (Release 7) |

| | | | |
|--------------------------------------|--|--|--|
| Reason for change: | ⌘ Missing "SS-List 2" parameter in the Send Routing Info Ack message, see sub-clause 10.1 of 3GPP TS 29.002 v5.10.0. | | |
| Summary of change: | ⌘ The parameter "SS-List 2" is missing from the current elements specified for inclusion in Send routing Info Ack. | | |
| Consequences if not approved: | ⌘ The subscription and call forwarding states of SCUDIF (speech and multimedia) cannot be properly checked. | | |

| | | | | | | | | | | | |
|------------------------------|--|---|---|--------------------------|-------------------------------------|--------------------------|-------------------------------------|--------------------------|-------------------------------------|--|---|
| Clauses affected: | ⌘ 4.3.3.1.2 | | | | | | | | | | |
| 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="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: | ⌘ | | | | | | | | | | |

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.

***** MODIFIED SECTION *****

4.3.3.1.2 Send Routing Info Ack

The following elements specific to SCUDIF calls are defined for Send Routing Info Ack:

| Information element name | Required | Description |
|---------------------------------|-------------------|--|
| Roaming number 2 | C | E.164 number required to route the call to VMSCB (see 3GPP TS 23.003 [11]) for the less preferred service of a SCUDIF call. Shall be present for a SCUDIF call if the preferred service is not forwarded (<i>i.e.</i> either Roaming Number is present or the preferred service is not allowed) and the less preferred service is allowed and not forwarded, otherwise shall be absent. |
| Forwarded-to number 2 | C | E.164 number of the C subscriber for the less preferred service of a SCUDIF call. Shall be present if the HLR has determined that the less preferred service of a SCUDIF call is to be forwarded, otherwise shall be absent. |
| Long forwarded-to number 2 | C | Number of the C subscriber (see 3GPP TS 23.082 [15]) for the less preferred service of a SCUDIF call. Shall be present if the HLR has determined that the less preferred service of a SCUDIF call is to be forwarded, and GMSC and HLR support Long Forwarded-to Numbers, otherwise shall be absent. |
| Forwarded-to subaddress 2 | C | Subaddress of the C subscriber (see 3GPP TS 23.003 [11]) for the less preferred service of a SCUDIF call. Shall be present if the HLR has determined that the less preferred service of a SCUDIF call is to be forwarded and a forwarded-to subaddress is stored in the HLR in association with the forwarded-to number 2, otherwise shall be absent. |
| Notification to calling party 2 | C | Indication of whether the calling party is to be notified that the call has been forwarded if the less preferred service of a SCUDIF call is kept. Shall be present if the HLR has determined that the less preferred service of a SCUDIF call is to be forwarded, otherwise shall be absent. |
| Forwarding reason 2 | C | Indication of why the call has been forwarded (unconditionally or on mobile subscriber not reachable) for the less preferred service of a SCUDIF call. Shall be present if the HLR has determined that the less preferred service of a SCUDIF call is to be forwarded, otherwise shall be absent. |
| SS-List 2 | C | List of SS-codes for the less preferred service of a SCUDIF call. Shall be present if the HLR has determined that the less preferred service of a SCUDIF call is allowed, otherwise shall be absent. |
| Basic Service Code 2 | C | Indicates the type of the basic service for the less preferred service, <i>i.e.</i> teleservice or bearer service. |
| Allowed Services | C | Shall be present for SCUDIF calls. Indicates which services are available for that call. |
| Unavailability Cause | C | Indicates the reason for which one of the services of a SCUDIF call is not available. Shall be present for SCUDIF calls if one service is not available. |

***** END OF MODIFICATIONS *****

CHANGE REQUEST

⌘ **23.172 CR 031** ⌘ rev **-** ⌘ Current version: **6.1.0** ⌘

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: | ⌘ Inclusion of Missing HLR Interrogation Parameter for SCUDIF | | |
| Source: | ⌘ L.M.Ericsson | | |
| Work item code: | ⌘ SCUDIF | Date: | ⌘ 18/02/2005 |
| Category: | ⌘ A | Release: | ⌘ Rel-6 |
| | 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 . | | Use <u>one</u> of the following releases: Ph2 (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) Rel-7 (Release 7) |

| | | | |
|--------------------------------------|---|--|--|
| Reason for change: | ⌘ Missing "SS-List 2" parameter in the Send Routing Info Ack message, see sub-clause 10.1 of 3GPP TS 29.002 v6.8.0. | | |
| Summary of change: | ⌘ The parameter "SS-List 2" is missing from the current elements specified for inclusion in Send routing Info Ack. | | |
| Consequences if not approved: | ⌘ The subscription and call forwarding states of SCUDIF (speech and multimedia) cannot be properly checked. | | |

| | | | | | | | | | | | |
|------------------------------|--|---|---|--|---|--|---|--|---|--|--|
| Clauses affected: | ⌘ 4.3.3.1.2 | | | | | | | | | | |
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| Y | N | | | | | | | | | | |
| | X | | | | | | | | | | |
| | X | | | | | | | | | | |
| | X | | | | | | | | | | |
| Other comments: | ⌘ | | | | | | | | | | |

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- 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.

***** ~~NEXT~~ MODIFIED SECTION *****

4.3.3.1.2 Send Routing Info Ack

The following elements specific to SCUDIF calls are defined for Send Routing Info Ack:

| Information element name | Required | Description |
|---------------------------------|-------------------|--|
| Roaming number 2 | C | E.164 number required to route the call to VMSCB (see 3GPP TS 23.003 [11]) for the less preferred service of a SCUDIF call. Shall be present for a SCUDIF call if the preferred service is not forwarded (<i>i.e.</i> either Roaming Number is present or the preferred service is not allowed) and the less preferred service is allowed and not forwarded, otherwise shall be absent. |
| Forwarded-to number 2 | C | E.164 number of the C subscriber for the less preferred service of a SCUDIF call. Shall be present if the HLR has determined that the less preferred service of a SCUDIF call is to be forwarded, otherwise shall be absent. |
| Long forwarded-to number 2 | C | Number of the C subscriber (see 3GPP TS 23.082 [15]) for the less preferred service of a SCUDIF call. Shall be present if the HLR has determined that the less preferred service of a SCUDIF call is to be forwarded, and GMSC and HLR support Long Forwarded-to Numbers, otherwise shall be absent. |
| Forwarded-to subaddress 2 | C | Subaddress of the C subscriber (see 3GPP TS 23.003 [11]) for the less preferred service of a SCUDIF call. Shall be present if the HLR has determined that the less preferred service of a SCUDIF call is to be forwarded and a forwarded-to subaddress is stored in the HLR in association with the forwarded-to number 2, otherwise shall be absent. |
| Notification to calling party 2 | C | Indication of whether the calling party is to be notified that the call has been forwarded if the less preferred service of a SCUDIF call is kept. Shall be present if the HLR has determined that the less preferred service of a SCUDIF call is to be forwarded, otherwise shall be absent. |
| Forwarding reason 2 | C | Indication of why the call has been forwarded (unconditionally or on mobile subscriber not reachable) for the less preferred service of a SCUDIF call. Shall be present if the HLR has determined that the less preferred service of a SCUDIF call is to be forwarded, otherwise shall be absent. |
| SS-List 2 | C | List of SS-codes for the less preferred service of a SCUDIF call. Shall be present if the HLR has determined that the less preferred service of a SCUDIF call is allowed, otherwise shall be absent. |
| Basic Service Code 2 | C | Indicates the type of the basic service for the less preferred service, <i>i.e.</i> teleservice or bearer service. |
| Allowed Services | C | Shall be present for SCUDIF calls. Indicates which services are available for that call. |
| Unavailability Cause | C | Indicates the reason for which one of the services of a SCUDIF call is not available. Shall be present for SCUDIF calls if one service is not available. |

***** END OF MODIFICATIONS *****