TSG-RAN Meeting #15
Cheju, Korea, 5 - 8 March 2002

TSGRP#15(02) 0168

Title: **Agreed CRs to TS 25.420**

Source: **TSG-RAN WG3**

Agenda item: **7.3.3/7.3.4**

RP_Num	Tdoc_Num	Specification	CR_Num	Revision _Num	3G_Release	CR_Subject	CR_Category	Cur_Ver_Num	Workitem
RP-020168	R3-020607	25.420	025	1	R99	SCCP Connection Release Initiated by RNC in Abnormal case	F	3.4.0	TEI
RP-020168	R3-020608	25.420	026	1	Rel-4	SCCP Connection Release Initiated by RNC in Abnormal case	A	4.1.0	TEI

CR-Form-v5

CHANGE REQUEST

| ⌘ | **25.420** CR **25** | ⌘ rev | **1** | ⌘ | Current version: | **3.4.0** | ⌘ |

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

Proposed change affects: ⌘ (U)SIM ☐ ME/UE ☐ Radio Access Network **X** Core Network ☐

Title: ⌘	SCCP Connection Release Initiated by RNC in Abnormal case	
Source: ⌘	R-WG3	
Work item code: ⌘	TEI	***Date:*** ⌘ February 2002
Category: ⌘	**F**	***Release:*** ⌘ R99

Use *one* 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>.

Use *one* 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)*

Reason for change: ⌘	The current 25.420 specifies that it is always the SRNC initiates the SCCP connection release procedure. However, according to the ITU-T specification Q.714, e.g. due to the timer expiry of inactivity test, the SCCP will initiate the connection release message. Therefore, it should be specified that it is always the SRNC initiates the SCCP connection release procedure in normal case but the DRNC can also initiate the SCCP connection release procedure in any abnormal case.
Summary of change: ⌘	Section 4.5.1.4 updated to reflect the fact that the DRNC can also initiate the release of an SCCP connection
Consequences if not approved: ⌘	If this is not approved, it may contradict the ITU-T specification

Impact Analysis:

Impact assessment towards the previous version of the specification (same release):

This CR has isolated impact with the previous version of the specification (same release) because maybe some existing implementation restrict the initiation of SCCP connection release procedure in abnormal case.

This CR has an impact under functional point of view.
The impact can be considered isolated because the change affects one system function namely the SCCP connection release function. |

Clauses affected: ⌘	4.5.1.4
Other specs ⌘	**X** Other core specifications ⌘ CR26r1 TDOC R3-020608 TS 25.420 v4.1.0
affected:	☐ Test specifications
	☐ O&M Specifications
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/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.

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.

4.5.1.4   SCCP connection release

An SCCP connection is released <u>in all normal release cases</u> when the SRNC realises that a given signalling connection is no longer required.

The SRNC sends an SCCP Released message.

<u>The procedure may be initiated at the DRNC side and the SRNC side in any abnormal release case.</u>

CR-Form-v5

CHANGE REQUEST

| ⌘ | **25.420** CR **26** | ⌘**rev** **1** ⌘ | Current version: | **4.1.0** ⌘ |

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

Proposed change affects: ⌘ (U)SIM ☐ ME/UE ☐ Radio Access Network **X** Core Network ☐

Title: ⌘	SCCP Connection Release Initiated by RNC in Abnormal case	
Source: ⌘	R-WG3	
Work item code: ⌘	TEI	*Date:* ⌘ February 2002
Category: ⌘	**F**	*Release:* ⌘ REL-4

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>.

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)*

Reason for change: ⌘	The current 25.420 specifies that it is always the SRNC/RNC 1 initiates the SCCP connection release procedure. However, according to the ITU-T specification Q.714, e.g. due to the timer expiry of inactivity test, the SCCP will initiate the connection release message. Therefore, it should be specified that it is always the SRNC/RNC 1 initiates the SCCP connection release procedure in normal case but the DRNC/RNC 2 can also initiate the SCCP connection release procedure in any abnormal case.
Summary of change: ⌘	Section 4.5.1.4 updated to reflect the fact that the DRNC/RNC 2 can also initiate the release of an SCCP connection
Consequences if not approved: ⌘	If this is not approved, it may contradict the ITU-T specification

Impact Analysis:

Impact assessment towards the previous version of the specification (same release):

This CR has isolated impact with the previous version of the specification (same release) because maybe some existing implementation restrict the initiation of SCCP connection release procedure in abnormal case.

This CR has an impact under functional point of view.
The impact can be considered isolated because the change affects one system function namely the SCCP connection release function. |

Clauses affected: ⌘	4.5.1.4	
Other specs ⌘	**X** Other core specifications ⌘	CR 025r1 TDPC R3-020607 TS 25.420 v3.4.0
affected:	☐ Test specifications	
	☐ O&M Specifications	
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/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.

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.

4.5.1.4 SCCP connection release

An SCCP connection related to a specific UE is released in all normal release cases when the SRNC realises that a given signalling connection is no longer required.

The SRNC sends an SCCP Released message.

The procedure may be initiated at the SRNC side and the DRNC side in any abnormal release case.

An SCCP connection used for common measurements and information exchanges is released in all normal release cases when the RNC1 (see 4.5.1.3A) determines that a given signalling connection is no longer required. The RNC1 sends an SCCP Released message.

The procedure may be initiated at the RNC 1 side and the RNC 2 side in any abnormal release case.