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

TSGRP#15(02) 0173

Title: **Agreed CRs to TS 25.426**

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-020173	R3-020594	25.426	020	1	R99	Correction to transport bearers release initiation	F	3.7.0	TEI
RP-020173	R3-020595	25.426	021	1	Rel-4	Correction to transport bearers release initiation	A	4.1.0	TEI

3GPP TSG-RAN3 Meeting #27 ***R3-020594***
Orlando, USA, 18th – 22nd February, 2002

CR-Form-v4

CHANGE REQUEST

⌘ **25.426** **CR** **020** ⌘ ev **1** ⌘ Current version: **3.7.0** ⌘

*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:	⌘	Correction to transport bearers release initiation
Source:	⌘	R-WG3
Work item code:	⌘	TEI
Date:	⌘	Jan, 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 TR 21.900.

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:	⌘	Currently TS 25.426 specifies that the user plane transport bearers for Iub interface are established and RELEASED by the ALCAP in the CRNC, but there are some scenarios where the Node B needs to initiate the release of transport bearers such as in case of Reset initiated by the CRNC and Cell Deletion, when the Node B receives a CELL DELETION REQUEST but there are still transport channels in the cell. This scenarios are correctly specified in TS 25.430 and TS 25.433. In RAN3 #24 it was decided that TS 25.426 should be aligned with TS 25.430.
Summary of change:	⌘	Add sentence in the subclause 6.1 to indicate that in some cases (Reset initiated by the CRNC and when transport channels still exist when the cell is deleted) the Node B can also release the transport bearers. R1: 'common and' was removed from the added text.
Consequences if not approved:	⌘	The current text procedural text may lead to incorrect implementation, as it is contradictory with TS 25.430 and TS 25.433 and the intended behaviour of the Nodes. Inconsistencies between the specifications can lead to multi-vendor interoperability problems. 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 it affects implementations supporting the corrected functionality, i.e. only the CRNC being able to release the transport bearers. Those implementations would not be able to handle the scenarios described here, where only the Node B can initiate the release of transport bearers. 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 release of transport bearers with ALCAP.

Clauses affected:	⌘	6.1			
Other specs affected:	⌘	X	Other core specifications	⌘	CR021 25.426
			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.

6 Transport Signalling Application for DCH Data Streams

6.1 ALCAP

AAL2 signalling protocol Capability Set 1 [5] is the signalling protocol to control AAL2 connections on Iub and Iur interfaces.

Binding ID provided by the radio network layer shall be copied in SUGR parameter of ESTABLISH.request primitive of [5].

User Plane Transport bearers for Iur interface are established and in all normal cases released by the ALCAP in the Serving RNC. The binding identifier shall already be assigned and tied to a radio application procedure when the ~~first~~ Establish Request message ~~ALCAP message~~ is received over the Iur interface in the Drift RNC.

User Plane Transport bearers for Iub interface are established and in all normal cases released by the ALCAP in the Controlling RNC. The binding identifier shall already be assigned and tied to a radio application procedure when the Establish Request message is received over the Iub interface in the Node B. In case of a Reset initiated by the CRNC, the ALCAP in the Node B shall release the transport bearers involved in the impacted Node B Communication Contexts. The Node B shall also initiate release of the user plane transport bearers for the removed dedicated channels that were remaining within the cell when the cell is deleted.

AAL2 transport layer addressing is based on embedded E.164 or AESA variants of the NSAP addressing format [6, 7]. Native E.164 addressing shall not be used.

The AAL2 Link Characteristics parameter (ALC) shall be included in the Establish Request message of AAL2 signalling protocol.

3GPP TSG-RAN3 Meeting #27 ***R3-020595***
Orlando, USA, 18th – 22nd February, 2002

CR-Form-v4

CHANGE REQUEST

⌘ **25.426** **CR** **021** ⌘ ev **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:	⌘	Correction to transport bearers release initiation
Source:	⌘	R-WG3
Work item code:	⌘	TEI
Date:	⌘	Jan, 2002
Category:	⌘	**A**
Release:	⌘	REL-4

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)*
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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: ⌘ Currently TS 25.426 specifies that the user plane transport bearers for Iub interface are established and RELEASED by the ALCAP in the CRNC, but there are some scenarios where the Node B needs to initiate the release of transport bearers such as in case of Reset initiated by the CRNC and Cell Deletion, when the Node B receives a CELL DELETION REQUEST but there are still transport channels in the cell. This scenarios are correctly specified in TS 25.430 and TS 25.433. In RAN3 #24 it was decided that TS 25.426 should be aligned with TS 25.430.

Summary of change: ⌘ Add sentence in the subclause 6.1 to indicate that in some cases (Reset initiated by the CRNC and when transport channels still exist when the cell is deleted) the Node B can also release the transport bearers.
R1: 'common and' was removed from the added text.

Consequences if not approved: ⌘ The current text procedural text may lead to incorrect implementation, as it is contradictory with TS 25.430 and TS 25.433 and the intended behaviour of the Nodes. Inconsistencies between the specifications can lead to multi-vendor interoperability problems.

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 it affects implementations supporting the corrected functionality, i.e. only the CRNC being able to release the transport bearers. Those implementations would not be able to handle the scenarios described here, where only the Node B can initiate the release of transport bearers.
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 release of transport bearers with ALCAP.

Clauses affected:	⌘	6.1			
Other specs affected:	⌘	X	Other core specifications	⌘	CR020 on 25.426
			Test specifications		
			O&M Specifications		
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.

6.1 ALCAP

AAL2 signalling protocol Capability Set 2 [22] is the signalling protocol to control AAL2 connections on Iub and Iur interfaces. Q.2630.2 [22] adds new optional capabilities to Q.2630.1 [5].

Binding ID provided by the radio network layer shall be copied in SUGR parameter of ESTABLISH.request primitive of [22].

User Plane Transport bearers for Iur interface are established, in all normal cases released and optionally modified by the ALCAP in the Serving RNC. The binding identifier shall already be assigned and tied to a radio application procedure when the Establish Request message ~~first ALCAP message~~ is received over the Iur interface in the Drift RNC.

User Plane Transport bearers for Iub interface are established, in all normal cases released and optionally modified by the ALCAP in the Controlling RNC. The binding identifier shall already be assigned and tied to a radio application procedure when the Establish Request message is received over the Iub interface in the Node B. In case of a Reset initiated by the CRNC, the ALCAP in the Node B shall release the transport bearers involved in the impacted Node B Communication Contexts. The Node B shall also initiate release of the user plane transport bearers for the removed dedicated channels that were remaining within the cell when the cell is deleted.

AAL2 transport layer addressing is based on embedded E.164 or AESA variants of the NSAP addressing format [6, 7]. Native E.164 addressing shall not be used.

The Link Characteristics parameter (LC) shall be included in the Establish Request message and in the Modification Request message of AAL2 signalling protocol.

If there is an AAL2 switching function in the transport network layer of the interface, the Path Type parameter (PT) may be included in the Establish Request message of AAL2 signalling protocol for prioritisation at ATM level.