TSG RAN Meeting #24 **RP-040173**
SEOUL, South Korea, 02 - 04 June 2004

Title **CRs (Rel-5 and Rel-6 Category A) to TS 25.430 on Node B Communication Contexts**
Source **TSG RAN WG3**
Agenda Item **7.4.5**

RAN3 Tdoc	Spec	curr. Vers.	new Vers.	CR	Rev	Cat	Rel	Title	Work item
R3-040774	TS 25.430	5.2.0	5.3.0	49	-	F	Rel-5	Clarification on Node B Communication Contexts	HSDPA-IubIur
R3-040775	TS 25.430	6.0.0	6.1.0	50	-	A	Rel-6	Clarification on Node B Communication Contexts	HSDPA-IubIur

3GPP TSG-RAN3 Meeting #42
Montreal, Canada, 10th – 14th May 2004

Tdoc ⌘R3-040774

CR-Form-v7

CHANGE REQUEST

⌘ **25.430** **CR** **49** ⌘ **rev** **-** ⌘ Current version: **5.2.0** ⌘

*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:	⌘	Clarification on Node B Communication Contexts
Source:	⌘	RAN3
Work item code:	⌘	HSDPA-Iublur
Date:	⌘	10/05/2004
Category:	⌘	**F**
Release:	⌘	Rel-5

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)
Rel-6 (Release 6)

Reason for change:	⌘	It has been agreed that a UE has only one HS-DSCH Transport Channel can consists of multiple HS-DSCH MAC-d Flows and only one cell serves the HS-DSCH Transport Channel. However, in the definition on Node B communication context of the current TS25.430, there are some descriptions that gives interpretation that UE can have multiple HS-DSCH Transport Channel and multiple cells can service HS-DSCH. And in addition, there is also description that gives interpretation that multiple cells can serves DSCH/USCH. The description should be clarified.
Summary of change:	⌘	The three sentences regarding the number of HS-DSCH that UE can establish and the number of cell can serve HS-DSCH/DSCH/USCH are corrected. Impact assessment towards the previous version of the specification (same release): This CR has isolated impact on the previous version of the specification (same release). The impact can be considered isolated because the change only affects HSDPA.
Consequences if not approved:	⌘	Developer(reader) will have misunderstanding that multiple HS-DSCH can be established for UE and multiple cells can serve HS-DSCH.

Clauses affected:	⌘	6.2.1				
		Y	**N**			
Other specs Affected:	⌘		**X**	Other core specifications	⌘	CR50 TS25.430 v6.0.0
			X	Test specifications		

	X	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/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.

6.2 Elements of the logical model

6.2.1 Node B Communication Contexts for Dedicated and Shared Channels

A Node B Communication Context corresponds to all the dedicated resources that are necessary for a user in dedicated mode and using dedicated and/or shared channels as restricted to a given Node B. [TDD - The Node B Communication Context also exists for users in Cell_FACH mode (i.e. non-dedicated mode) provided a USCH and/or DSCH and/or HS-DSCH has been allocated to these users.]

There are a number of Node B Communication Contexts inside a given Node B.

The attributes to a Node B Communication Context shall include the following (not exhaustive):

- The list of Cells where dedicated and/or shared physical resources are used.
- The list of DCH which are mapped on the dedicated physical resources for that Node B Communication Context.
- The list of DSCH and USCH [TDD] which are used by the respective UE.
- The list of HS-DSCH MAC-d flows which are used by the respective UE.
- The complete DCH characteristics for each DCH, identified by its DCH-identifier [4].
- The complete Transport Channel characteristics for each DSCH and USCH, identified by its Shared Channel identifier [4].
- The complete HS-DSCH characteristics for each HS-DSCH MAC-d Flow, identified by its HS-DSCH MAC-d Flow identifier [4].
- The list of Iub DCH Data Ports.
- The list of Iub DSCH Data ports and Iub USCH data ports.
- The list of Iub HS-DSCH Data ports.
- [FDD - Up to one Iub TFCI2 data port.]
- For each Iub DCH Data Port, the corresponding DCH and cells which are carried on this data port.
- For each Iub DSCH and USCH data port, the corresponding DSCH or USCH and cells which serves that DSCH or USCH.
- For each Iub HS-DSCH data port, the corresponding HS-DSCH data stream and cells which serves that HS-DSCH data stream.
- Physical layer parameters (outer loop power control, etc).

3GPP TSG-RAN3 Meeting #42
Montreal, Canada, 10th – 14th May 2004

Tdoc ⌘R3-040775

CR-Form-v7

CHANGE REQUEST

⌘ **25.430** **CR** **50** ⌘ **rev** **-** ⌘ Current version: **6.0.0** ⌘

*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:	⌘	Clarification on Node B Communication Contexts
Source:	⌘	RAN3
Work item code:	⌘	HSDPA-Iublur
Date:	⌘	10/05/2004
Category:	⌘	**A**
Release:	⌘	Rel-6

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)
Rel-6 (Release 6)

Reason for change:	⌘	It has been agreed that a UE has only one HS-DSCH Transport Channel can consists of multiple HS-DSCH MAC-d Flows and only one cell serves the HS-DSCH Transport Channel. However, in the definition on Node B communication context of the current TS25.430, there are some descriptions that gives interpretation that UE can have multiple HS-DSCH Transport Channel and multiple cells can service HS-DSCH. And in addition, there is also description that gives interpretation that multiple cells can serves DSCH/USCH. The description should be clarified.
Summary of change:	⌘	The three sentences regarding the number of HS-DSCH that UE can establish and the number of cell can serve HS-DSCH/DSCH/USCH are corrected. Impact assessment towards the previous version of the specification (same release): This CR has isolated impact on the previous version of the specification (same release). The impact can be considered isolated because the change only affects HSDPA.
Consequences if not approved:	⌘	Developer(reader) will have misunderstanding that multiple HS-DSCH can be established for UE and multiple cells can serve HS-DSCH.

Clauses affected:	⌘	6.2.1				
		Y	**N**			
Other specs Affected:	⌘		**X**	Other core specifications	⌘	CR49 TS25.430 v5.2.0
			X	Test specifications		

	X	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/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.

6.2 Elements of the logical model

6.2.1 Node B Communication Contexts for Dedicated and Shared Channels

A Node B Communication Context corresponds to all the dedicated resources that are necessary for a user in dedicated mode and using dedicated and/or shared channels as restricted to a given Node B. [TDD - The Node B Communication Context also exists for users in Cell_FACH mode (i.e. non-dedicated mode) provided a USCH and/or DSCH and/or HS-DSCH has been allocated to these users.]

There are a number of Node B Communication Contexts inside a given Node B.

The attributes to a Node B Communication Context shall include the following (not exhaustive):

- The list of Cells where dedicated and/or shared physical resources are used.
- The list of DCH which are mapped on the dedicated physical resources for that Node B Communication Context.
- The list of DSCH and USCH [TDD] which are used by the respective UE.
- The list of HS-DSCH MAC-d flows which are used by the respective UE.
- The complete DCH characteristics for each DCH, identified by its DCH-identifier [4].
- The complete Transport Channel characteristics for each DSCH and USCH, identified by its Shared Channel identifier [4].
- The complete HS-DSCH characteristics for each HS-DSCH MAC-d Flow, identified by its HS-DSCH MAC-d Flow identifier[4].
- The list of Iub DCH Data Ports.
- The list of Iub DSCH Data ports and Iub USCH data ports.
- The list of Iub HS-DSCH Data ports.
- [FDD - Up to one Iub TFCI2 data port.]
- For each Iub DCH Data Port, the corresponding DCH and cells which are carried on this data port.
- For each Iub DSCH and USCH data port, the corresponding DSCH or USCH and cells which serves that DSCH or USCH.
- For each Iub HS-DSCH data port, the corresponding HS-DSCH data stream and cells which serves that HS-DSCH data stream.
- Physical layer parameters (outer loop power control, etc).