TSG RAN Meeting #18 **RP-020763**
New Orleans, Louisiana, USA, 3 - 6 December, 2002

Title **CRs (Rel-5 only) to 25.433**
Source **TSG RAN WG3**
Agenda Item **7.3.5**

RAN3 Tdoc	Spec	curr. Vers.	new Vers.	REL	CR	Rev	Cat	Title	Work item
R3-022421	25.433	5.2.0	5.3.0	REL-5	781	-	F	Correction for the definition of the MAC-hs Reordering Buffer Size IE	HSDPA-Iublur

3GPP TSG-RAN3 Meeting #33
Sophia Antipolis, France, 11th – 15th November 2002

Tdoc R3-022421

CR-Form-v7

CHANGE REQUEST

⌘ **25.433** **CR** **781** ⌘ **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:	⌘	Correction for the definition of the MAC-hs Reordering Buffer Size IE
Source:	⌘	RAN WG3
Work item code:	⌘	HSDPA-Iublur
Date:	⌘	11/11/2002
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:	⌘	In the current NBAP, the CRNC informs the Node B of the MAC-hs Reordering Buffer Size in the HS-DSCH FDD/TDD Information. However, the definition of the *MAC-hs Reordering Buffer Size* IE is not aligned with the RNSAP. NBAP Total combined receiving buffer capability in RLC and MAC-hs in kBytes RNSAP The total buffer size defined in UE capability minus the RLC AM buffer. What the Node B really needs to know is the MAC-hs Reordering Buffer Size. Therefore, the definitions of this IE of NBAP should be aligned with RNSAP.
Summary of change:	⌘	The definition of the *MAC-hs Reordering Buffer Size* IE is corrected.
Consequences if not approved:	⌘	If this CR is not approved, the *MAC-hs Reordering Buffer Size* IE will be useless. 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 might affect implementations supporting HSDPA. This CR has an impact under [functional] point of view. The impact [can] be considered isolated because the change affects [one] [system function] namely HSDPA.
Clauses affected:	⌘	9.2.2.18D and 9.2.3.5F

		Y	N			
Other specs affected:	⌘		X	Other core specifications	⌘	
			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.

9.2.2.18D HS-DSCH FDD Information

The HS-DSCH Information provides information for HS-DSCH MAC-d flows to be established.

IE/Group Name	Presence	Range	IE Type and Reference	Semantics Description	Criticality	Assigned Criticality
HS-DSCH MAC-d Flow Specific Information		*1..<maxnoofMACdFlows>*			–	
>HS-DSCH MAC-d Flow ID	M		9.2.1.31I		–	
>Allocation/Retention Priority	M		9.2.1.1A		–	
>Binding ID	O		9.2.1.4	Shall be ignored if bearer establishment with ALCAP.	–	
>Transport Layer Address	O		9.2.1.63	Shall be ignored if bearer establishment with ALCAP.	–	
>Priority Queue Information	M	*1..<maxnoofPrioQueues>*			–	
>>Priority Queue ID	M		9.2.1.49C		–	
>>Scheduling Priority Indicator	M		9.2.1.53H		–	
>>MAC-d PDU Size Index		*1..<maxnoofMACdPDUindexes>*			–	
>>>SID	M		9.2.1.53I		–	
>>>MAC-d PDU Size	M		9.2.1.38A		–	
UE Capabilities Information		*1*			–	
>Max TrCH Bits Per HS-DSCH TTI	M		ENUMERATED (7300, 14600, 20456, 28800,...)		–	
>HS-DSCH Multi-Code Capability	M		ENUMERATED (5, 10, 15,...)		–	
>Min Inter-TTI Interval	M		INTEGER (1..3,...)		–	
>MAC-hs Reordering Buffer Size	M		INTEGER (1..300,...)	The total buffer size defined in UE capability minus the RLC AM buffer~~Total combined receiving buffer capability in RLC and MAC-hs in kBytes~~	–	
HARQ Memory Partitioning		*1..<maxnoofHARQprocesses>*				
>Process Memory Size	M		INTEGER (1..172800,...)		–	
CQI Feedback Cycle k	M		9.2.2.21B		–	
CQI Repetition Factor	C-CQICyclek		9.2.2.4Cb		–	
ACK-NACK Repetition Factor	M		9.2.2.a		–	
CQI Power Offset	M		9.2.2.4Ca		–	
ACK Power Offset	M		9.2.2.b		–	
NACK Power Offset	M		9.2.2.23a		–	
HS-SCCH Power Offset	O		9.2.2.18I		–	

<partly omitted>

9.2.3.5F HS-DSCH TDD Information

The HS-DSCH TDD Information provides information for HS-DSCH MAC-d flows to be established.

IE/Group Name	Presence	Range	IE Type and Reference	Semantics Description	Criticality	Assigned Criticality
HS-DSCH MAC-d Flow Specific Information		*1..<maxnoofMACdFlows>*			–	
>HS-DSCH MAC-d Flow ID	M		9.2.1.31I		–	
>Allocation/Retention Priority	M		9.2.1.1A		–	
>Binding ID	O		9.2.1.4	Shall be ignored if bearer establishment with ALCAP.	–	
>Transport Layer Address	O		9.2.1.63	Shall be ignored if bearer establishment with ALCAP.	–	
>Priority Queue Information	M	*1..<maxnoofPrioQueues>*			–	
>>Priority Queue ID	M		9.2.1.49C		–	
>>Scheduling Priority Indicator	M		9.2.1.53H		–	
>>MAC-d PDU Size Index		*1..<maxnoofMACdPDUindexes>*			–	
>>>SID	M		9.2.1.53I		–	
>>>MAC-d PDU Size	M		9.2.1.38A		–	
UE Capabilities Information		*1*			–	-
>HS-DSCH TrCh Bits Per TTI	M		ENUMERATED (7040, 10228, 14080,...)		–	
>HS-DSCH Multi-Code Capability	M		ENUMERATED (8, 12, 16,...)		–	
>MAC-hs Reordering Buffer Size	M		INTEGER (1..300,...)	The total buffer size defined in UE capability minus the RLC AM buffer~~Total combined receiving buffer capability in RLC and MAC-hs in kBytes~~	–	
HARQ Memory Partitioning		*1..<maxnoofHARQprocesses>*			–	
>Process Memory Size	M		INTEGER (1..168960,...)		–	