TSG Services and System Aspects #27   **SP-050172**

14 - 17 March 2005, Tokyo, Japan

Title:	Rel-6 late Work Item forms for TSG RAN WIs
Agenda:	8.4.2
Source:	TSG RAN

RP-050161   **Submission form for Rel-6 Late WI: RAB Support enhancements**

RP-050159   **Submission form for late Rel-6 feature: Improved Performance Requirements for HSDPA UE cat 7 & 8**

RP-050165   **Submission form for Rel-6 Late WI: EDCH performance requirements**

RP-050166   **Submission form for Rel-6 Late WI: MBMS performance requirements**

3GPP TSG RAN Meeting #27   RP-050161

Tokyo, Japan, 9 - 11 March 2005

Release 6 Submission form

Feature / Item:		Radio access bearer support enhancement					
Affects:	**UE/MS:**	**CN:**	**UTRAN:** x	**GERAN:**	**Compatibility Issues:**	**Yes:**	**No:x**
Expected Completion Date:		**June 2005**					
Services impacted:		**IMS Services over UTRAN**					
Specifications affected:		**25.323, 25.331, 25.862, 25.993 and 25.306**					
Tasks within work which are not complete:			**Optimized radio access bearer for IMS on DCH**				
Consequences if not included in Release 6:			**Suboptimal support of IMS Services in UTRAN**				
Accepted by TSG#27		**for late inclusion in Release 6:**					

Abstract of document:

RAN2 identified several technical approaches for optimizing radio access bearers for VoIP. RAN2 currently considers the most promising approach to be the usage of a secondary scrambling code in order to overcome the need for a low SF for handling of variable RTP packet sizes. This was agreed at RAN2#44.

RAN1 discussed Layer 1 simulations for this approach and a LS was sent to RAN4 at RAN1#39, because of the influence on the UE performance requirements. The issue was discussed in RAN4 at RAN4#34 and a reply LS was sent to RAN1 and RAN2 at the end of the meeting. This reply LS has not yet been discussed by RAN1 due to time constrains.

In RAN2 the decision to use the Secondary Scrambling Code solution is on hold until RAN1 has reached a conclusion.

Without an agreement on the SSC solution in Rel6 no optimised solution in terms of code usage, no packet delay and no frame stealing will be available in this release.

At RAN2#46 it was agreed that the use of ROHC shall be made mandatory for release 6 UEs, and these CRs were agreed at the RAN plenary.

Contentious Issues:

Conclusion in RAN1 on SIR estimation on both Primary and Secondary Scrambling Code for IL PC, based on reply LS from RAN4 (R2-050701, R4-050220).

Final agreement on Secondary Scrambling Code based solution for rare transmissions of uncompressed or low compressed real time packets.

Agreement on optimised RAB combination in RAN2 to provide VoIP services over DCH efficiently in order to avoid use of 42.8 kbps RAB as defined currently in TS34.108.

3GPP TSG RAN Meeting #27   **RP-050149**

Tokyo, Japan, 9 - 11 March 2005

Release 6 Submission form

Feature / Item:		Improved minimum performance requirements for HSDPA UE categories 7 & 8					
Affects:	UE/MS: x	CN:	UTRAN: x	GERAN:	Compatibility Issues:	Yes:	No:x
Expected Completion Date:		RAN#28					
Services impacted:		no					
Specifications affected:		TS 25.101					
Tasks within work which are not complete:		**-Further evaluation of need for enhanced performance requirements with single transmit antenna in Pedestrian A 3km/h and Vehicular A 120km/h** **Conditions for performance assessment for Closed loop transmit diversity** **Performance requirements**					
Consequences if not included in Release 6:		**Performance improvements and therefore potential capacity increase in the system delayed.**					
Accepted by TSG# 27	**for late inclusion in Release 6:**						

Abstract of document:

Improving receiver performance for HSDPAreception in terminal

Contentious Issues:

None

3GPP TSG RAN Meeting #27   **RP-050165**

Tokyo, Japan, 9 - 11 March 2005

Release 6 Submission form

Feature / Item:		FDD Enhanced Uplink - RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing					
Affects:	UE/MS: X	CN:	UTRAN: X	GERAN:	Compatibility Issues:	Yes:	No: X
Expected Completion Date:		June 2005 – TSG-RAN#28					
Services impacted:		FDD Enhanced Uplink					
Specifications affected:		RAN WG4 Specifications					
Tasks within work which are not complete:		- Core requirements - Performance requirements					
Consequences if not included in Release 6:		Radio requirements for FDD Enhanced Uplink are undefined					
Accepted by TSG#27 for late inclusion in Release 6:							

Abstract of document:

The specification of radio requirements for FDD Enhanced Uplink is an important part of the FDD Enhanced Uplink feature. While the other parts of the FDD Enhanced Uplink work item are closed, there is some work remaining to be done in RAN WG4 on finalising the FDD Enhanced Uplink radio requirements until June 2005.

Contentious Issues:

None.

3GPP TSG RAN Meeting #27   **RP-050166**

Tokyo, Japan, 9 - 11 March 2005

Release 6 Submission form

Feature / Item:		UE Performance Requirements for MBMS						
Affects:	**UE/MS: X**	**CN:**	**UTRAN: X**	**GERAN:**	**Compatibility Issues:**		**Yes:**	**No: X**
Expected Completion Date:		September 2005 – TSG-RAN#29						
Services impacted:		MBMS						
Specifications affected:		RAN WG4 Specifications						
Tasks within work which are not complete:			- Performance requirements					
Consequences if not included in Release 6:			Radio performance requirements for MBMS are incomplete					
Accepted by TSG#27 **for late inclusion in Release 6:**								

Abstract of document:

The specification of radio performance requirements for MBMS is an important part of the MBMS feature. While the other MBMS work items related to RAN1, RAN2 and RAN3 have been finalised, there is some work remaining to be done in RAN WG4 on finalising the MBMS radio performance requirements until September 2005.

Contentious Issues:

None.