

Source: Secretary

Title: Status of Release 5

Agenda item: 6.1

Document for:

Decision	
Discussion	
Information	X

1 Introduction

When making a final review on the content of Release 5 in September 2002, TSG SA allowed extra time to complete some specific and well-delimited items. This document provides a follow-up of these items by providing their present status. A Gantt chart is also included as an attachment to this document.

2 Tracking of Release 5 Features not completed by September 2002

High Speed Downlink Packet Access

The specification work was already completed in September. The performance requirements and testing aspects were not done at that time. Now, most of them are completed as shown below.

Performance requirements and testing aspects for the FDD mode:

Completed since September 2002:

Node B ,
UE FRC (Fixed Reference Channel) with single antenna,
CQI (Channel Quality Indicator) definition.

Work still in progress:

UE VRC (Variable Reference Channel),
UE FRC with diversity,
HS-SCCH (Shared control Channel) performance.

Performance requirements and testing aspects for the TDD mode:

Completed since September 2002:

3.84 Mcps TDD (all Node B and UE requirements),
1.28 Mcps TDD (Node B and UE FRC).

Work still in progress:

1.28 Mcps TDD (UE VRC).

The work still in progress is due to completion by June 2003. The requirements that are not completed by June will be postponed to Rel-6.

Extended Transparent Packet Switched Streaming Services

The TR 26.937 on "RTP Usage Model" is still not ready. It is hoped that it will be completed by June 2003.

GERAN Rel-5

The following GERAN Release 5 enhancements were completed by September 2002:

- *GERAN/UTRAN interface evolution*
- *GERAN Inter BSC NACC improvements over the Gb Interface*
- *Alignment of 3G functional split and lu*
- *Flow control supporting an MS with multiple data flows with different QoS over the Gb interface*
- *Enhanced Power Control*
- *8PSK AMR HR*
- *GERAN enhancements for streaming services*
- *Intra Domain Connection of RAN Nodes to Multiple CN Nodes: Overall System Architecture (accept changes for Gb over IP)*

The following items were terminated without being finally standardised:

- *Evolution of the transport for A interface (GERAN Improvement 3),*
- *GERAN support for IP multimedia: the Header adaptation was completed, but all other WI aspects (control signalling for conversational Multi Media Services, MS & BTS tests) were terminated without being standardised.*

The following item is still on-going:

- *Multiple TBF A/Gb mode: 50% ready.*

Rel5 enhancements of the Multimedia Messaging Service

The remaining aspect of 3GPP work was the storage of MMS info on the (U)SIM: this was clarified and solved at TSG-SA#18 (December 2002).

All 3GPP work is now completed since then but the stage 3 of the MM1 interface (between MMS User Agent and MMS Server/Relay) is under development in OMA and is still not complete.






Adaptive Multi-Rate Wide-Band (AMR-WB)







The TR 26.976 on "Performance characterization of the AMR-WB speech codec" has been approved in March 2003. All AMR-WB work is now completed.




ID	Unique_ID	Name	Release	Qtr 1, 200				Qtr 2, 2002				Qtr 3, 2003				Qtr 4, 2003											
				Jan	e	Mar	Apr	Ma	Jun	Jul	Au	Se	Oct	No	Dec	Jan	e	Mar	Apr	Ma	Jun	Jul	Au	Se	Oct	No	Dec
1	2044	VERSION 2003 March 28th	Rel																								
2	1462	"CTRL + a" to display all the 3GPP fields																									
3	2058	Content of Rel-4 and Rel-5 frozen. Rel-6 and after r	Rel																								
4	0		Rel																								
5	96																										
6	0	----- Rel-5 features listed below -----	Rel-5																								
7	625	IP transport in the UTRAN	Rel-5																								
8	2455	FS on Usage of SUA	Rel-5																								
9	2476	High Speed Downlink Packet Access	Rel-5																								
10	2477	Physical Layer																									
11	2478	Layer 2 and 3 aspects																									
12	2479	Iub/Iur protocol aspects																									
13	2480	RF Radio Transmission/ Reception, System Performa																									
14	501216	Rel-5 Improvements of Radio Interface	NA																								
27	500009	Rel-5 RAN improvements	NA																								
45	23004	UTRAN Sharing in Connected Mode	Rel-5																								
46	1273	Provisioning of IP-based multimedia services	NA																								
121	34001	Extended Transparent End-to-End PS Streaming S	Rel-5																								
122	34002	Stage 1																									
124	34003	Stage 2 (version Rel5 of TS 26.234)																									
125	34019	RTP usage model																									
126	501637	Rel-5 OSA enhancements	NA																								
149	1638	CAMEL phase 4	Rel-5																								
163	2464	Rel-5 MExE enhancements	Rel-5																								
165	1625	Wideband Telephony Service - AMR	Rel-5																								
166	62	Specification																									
190	34004	Floating-point ANSI-C code for the AMR-WB speech c																									
191	80	Support of AMR-WB in GERAN: GMSK and 8PSK WB I																									
197	2269	GERAN MS conformance test for AMR-WB																									
199	2271	GERAN BTS conformance test for AMR-WB																									
201	1826	Terminal interfaces	NA																								

ID	Unique_ID	Name	Release	Qtr 1, 200				Qtr 2, 2002				Qtr 3, 2002				Qtr 4, 2002				Qtr 1, 2003				Qtr 2, 2003				Qtr 3, 2003				Qtr 4, 2003				Qtr 1, 2004			
				Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
203	1536	Rel-5 Location Services enhancements	Rel-5	Start Testing																																			
239	501571	Rel-5 Security enhancements	NA																																				
248	2243	Intra Domain Connection of RAN Nodes to Multiple	Rel-5																																				
259	2320	GERAN improvements 3 (new transport layer on int	Rel-5																																				
263	501142	Rel-5 Charging and OAM&P	NA																																				
268	2392	GERAN enhancements for streaming services 1 (RI	Rel-5																																				
271	2396	GERAN enhancements for streaming services 2 (us	Rel-5																																				
277	2412	GERAN/UTRAN interface evolution 1 (evolution of I	Rel-5																																				
281	2416	GERAN/UTRAN interface evolution 2 (evolution of I	Rel-5																																				
285	2556	End to End QoS for PS Domain including IMS	Rel-5																																				
289	2569	Messaging enhancements Rel-5	Rel-5																																				
290	2571	Multimedia Messaging (MMS) enhancements																																					
291	31000	Definition of service requirements	Rel-5																																				
292	42000	Technical realization																																					
293	42008	WAP Forum dependency: MM1 stage 3																																					
294	34018	MMS formats and codecs																																					
295	2572	Enhanced Messaging Service (EMS) enhancements																																					
298	50001	GERAN Inter BSC NACC improvements over the GI	Rel-5																																				
305	50033	Enhanced Power Control	Rel-5																																				
309	50037	8PSK AMR HR	Rel-5																																				
321	13000	Service Change and UDI Fallback	Rel-5																																				
322	501800	Rel-5 USIM toolkit enhancements	NA																																				
330	30001	small Technical Enhancements and Improvements	Rel-5																																				
331	31013	Technical Report on UE Functionality Split	Rel-5																																				
332	2520	User Equipment Management	NA																																				
334	50101	Flow control supporting an MS with multiple data fl	Rel-5																																				
340	50058	Multiple TBF in A/Gb mode	Rel-5																																				
348	2345	Alignment of 3G functional split and Iu	Rel-5																																				
396	2330	GERAN support for IMS	Rel-5																																				
410	54001	MS Conformance Testing of Dual Transfer Mode	NA																																				

Project: 3GPP_Work Plan
Date: Mon 07/04/03

Task 
Task Progress 
Critical Task 
Critical Task Progress 
Milestone 
Summary 

Rolled Up Task 
Rolled Up Critical Task 
Rolled Up Milestone 
Rolled Up Progress 
Split 
External Tasks 

Project Summary 
Summary Progress 
External Milestone 
Deadline 