

Source: Secretary

Title: Content of Release 5

Agenda item: 5.1

Document for:

Decision	
Discussion	
Information	X

1 Introduction

This document provides a complete list of the features contained within Release 5 and is accurate as of 16 April 2002. This document also lists those features that are still subject of TSG SA decision to determine whether they will be a part of Release 5 or whether they will be deferred until Release 6. That decision will be made during the next meeting of TSG SA in June 2002.

At the end of this document is included a Gantt Chart showing the progress made in completing Release 5 and the expectations for the completion of the outstanding work.

2 Content of Release 5

Evolutions of the Transport in the UTRAN

Consists of "IP Transport in the UTRAN".

Evolution of the transport for CN

Consists of a Feasibility Study on SUA.

High Speed Downlink Packet Access (HSDPA)

Improvements of Radio Interface

Includes:

- Enhancement on the DSCH hard split mode
- BS Classification for 1.28 Mcps TDD option (to be completed by June).
- TDD BS classification (to be completed by June).
- UMTS1800/1900

RAN improvements

Includes:

- RL Timing Adjustment
- Separation of resource reservation and radio link activation
- Node B synchronisation for 1.28 Mcps TDD
- Iur Neighbouring cell reporting Efficiency Optimisation (R3)
- Iur Common Transport Channel Efficiency Optimisation
- Re-arrangement of Iub Transport Bearers

IP-based Multimedia Services (IMS)

Includes:

- Transport Protocol for PS Conversational Multimedia applications
- Access Security for IMS
- Security of SIP signalling between network nodes
- User authentication
- Lawful interception (does not yet cover multimedia aspects, which will be clarified by the SA3-LI group).
- SIP Compression
- Charging
- IMS to CS interworking (basic aspects, other ones moved to Rel6)

Extended Transparent End-to-End Packet Switched Mobile Streaming Applications ("Extended Streaming")

Global Text Telephony

OSA improvements

Includes:

- OSA APIs for Multi-media
- Retrieval of Terminal Capabilities Framework
- Generic User Interaction
- Charging
- Policy Management
- Presence & Availability Management
- Call Control mapping to ISC
- WSDL APIs for HTTP/SOAP transport

CAMEL phase 4

Includes:

- Support of CAMEL by the IMS (to be confirmed at SA#16):
- Interactions with Optimal Routing
- CAMEL control over MT SMS
- Provision of location information of called subscriber
- Inclusion of ODB data in the CSE-HLR interface
- Inclusion of flexible tone injection: CPH interaction is FFS
- Call Party Handling
- Notification of GPRS mobility management to CSE
- Location information during an ongoing call
- GPRS Any Time Interrogation
- Mid call procedure for MO and MT calls
- Transfer of the IMEI (with software version) to the CSE
- Charging notification to the CSE

MExE Enhancements Rel-5

Includes:

- ECMA "Common Language Infrastructure" support as Classmark 4
- General enhancements and improvements
- Security enhancements

WB-AMR (Wideband Adaptive Multirate Codec)

Does not include WB Conferencing and WB Voice Group calls

(U)SIM toolkit enhancements

Consists of USAT Interpreter

LCS enhancements 1

Includes:

- Location Services for GERAN in A/Gb Mode
- LCS for GERAN in Iu Mode
- Specification for the Le Interface (GMLC - external LCS Client)

Charging and OAM&P

User Equipment Management - Feasibility Study

Intra Domain Connection of RAN Nodes to Multiple CN Nodes (Iu-Flex)**GERAN enhancements**

Includes:

- GERAN/UTRAN interface evolution 1 (evolution of Iu PS)
- GERAN/UTRAN interface evolution 2 (evolution of Iu CS)
- GERAN Inter BSC NACC improvements over the Gb Interface
- 8PSK AMR HR
- GERAN enhancements for streaming services 1 & 2
- Intra Domain Connection of RAN Nodes to Multiple CN Nodes
- Uplink TDOA feasibility study started at GERAN#7
- Location Services (LCS) for GERAN in A/Gb Mode
- Real Time QoS for packet services including VoIP
- GERAN improvement : Low chip rate TDD option
- GERAN improvement : Gb over IP
- 700 MHz spectrum support (Release 4) : Closed except BTS conformance test on-going
- GB Enhancements Stage 2 / Stage 3 Closed

End-to-End QoS**Messaging Enhancements**

Includes:

- Multimedia Messaging Service enhancements, which includes:
 - Address resolution and Mobile Number Portability
 - MM7 (MMS Relay/Server – MMS VAS Applications)
 - Support of persistent storage in MMS
 - Enhanced interworking issues
- Enhanced Messaging Service, which includes:
 - use of extended objects, with compression
 - bitmap graphics, including colour
 - hyperlink IE
 - vector based graphics format
 - monophonic and polyphonic sound formats

Service Change and UDI Fallback (SCUDIF)

3 Features with Unclear Status (Rel-5 or Rel-6?)

Network Sharing (NetShare)

The relationship with "Shared Network support in connected Mode" has to be clarified.

Following RAN improvements:

- SRNS Relocation Procedure Enhancement (should be completed in June)
- RAB support enhancement for Rel-5 (should be completed in June)

Following IMS items:

- Header removal in GERAN
- Use of pre-Rel-5 USIM

Following Security Enhancements:

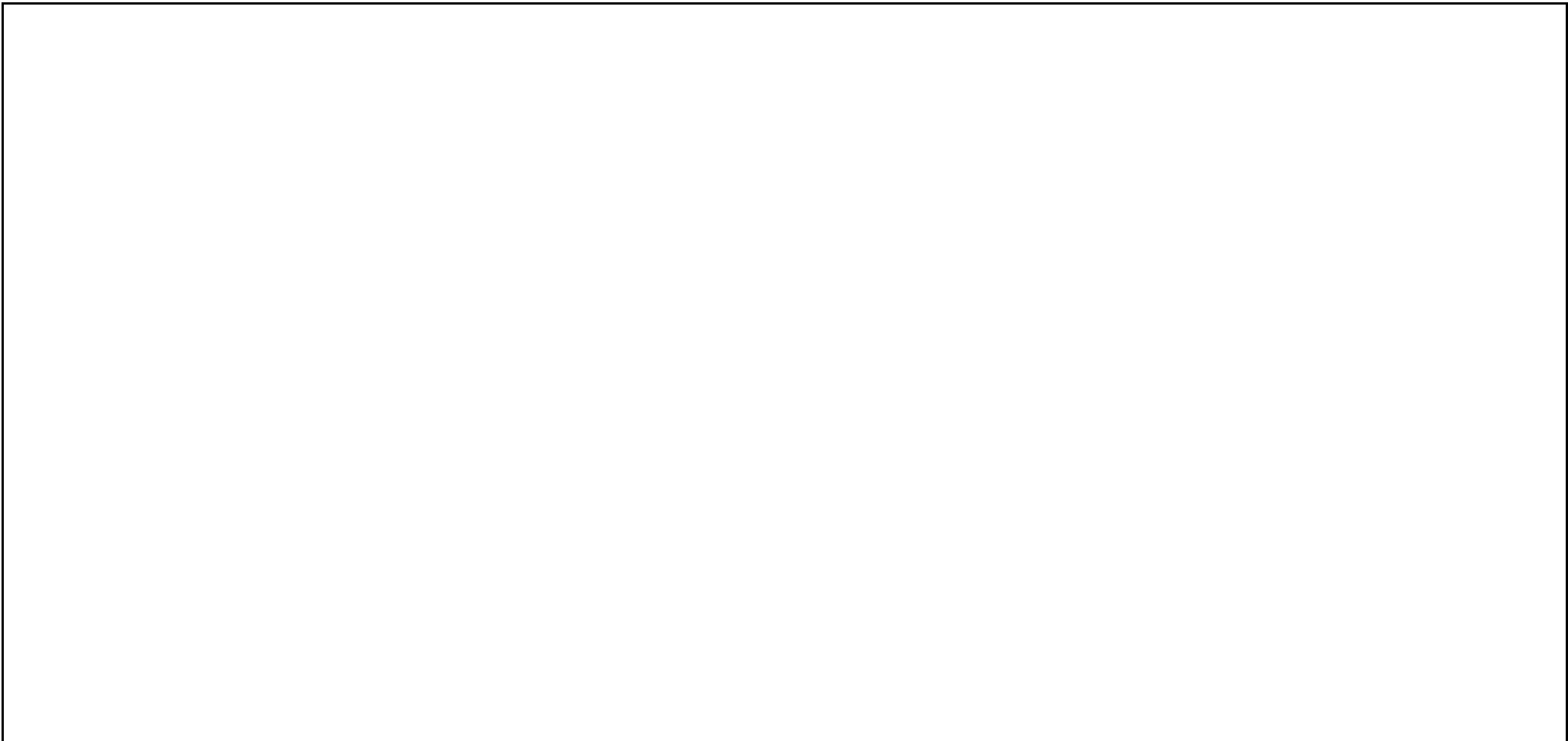
- MAP application layer security (Automatic Key Management)
- Network domain security over IP

Following LCS enhancements:

- Enhanced support for user privacy and subscriber data handling
- Deferred location request

ID	Unique_ID	Name	Release	Resource Name	Qtr 3, 2001			Qtr 4, 2001			Qtr 1, 2002			Qtr 2, 2002			Qtr 3,				
					Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul				
6	2	Evolutions of the transport in the UTRAN	NA	TSG RAN																	
11	4	Evolutions of the transport in the CN	NA	WG CN4																	
13	2476	High Speed Downlink Packet Access	Rel5	WG RAN2																	
18	1216	Improvements of Radio Interface	NA	TSG RAN																	
41	9	RAN improvements	NA	TSG RAN																	
63	1273	Provisioning of IP-based multimedia services	NA	WG SA1																	
147	34001	Extended Transparent End-to-End PS Streaming Service	Rel5	WG SA4																	
160	1517	Global Text Telephony	Rel5	WG SA2																	
168	1637	OSA enhancements for Rel-5	NA	WG SA1																	
199	1638	CAMEL phase 4	Rel5	WG SA1																	
214	2464	Rel-5 MExE enhancements	Rel5	WG T2																	
217	1625	Wideband Telephony Service - AMR	Rel5	WG SA4																	
258	1826	Terminal interfaces	NA	WG T2																	
260	1536	Location Services enhancements	NA	WG SA2																	
298	1800	(U)SIM toolkit enhancements	NA	WG T3																	
307	1571	Security enhancements	NA	WG SA3																	
340	1142	Charging and OAM&P	NA	WG SA5																	
346	2243	Intra Domain Connection of RAN Nodes to Multiple CN N	Rel5	WG SA2																	
354	2320	GERAN improvements 3 (new transport layer on interface	Rel5	TSG GERAN																	
434	2392	GERAN enhancements for streaming services 1	Rel5	TSG GERAN																	
438	2396	GERAN enhancements for streaming services 2	Rel5	TSG GERAN																	
445	2412	GERAN/UTRAN interface evolution 1 (evolution of lu PS)	Rel5	N;WG RAN3																	
449	2416	GERAN/UTRAN interface evolution 2 (evolution of lu CS)	Rel5	N;WG RAN3																	
460	2520	User Equipment Management	Rel5	WG SA5																	
465	2556	End to End QoS for PS Domain including IMS	Rel5	WG SA2																	
472	2569	Messaging enhancements Rel-5	Rel5	WG T2																	
480	50001	GERAN Inter BSC NACC improvements over the Gb Inte	Rel5	TSG GERAN																	
487	50033	Enhanced Power Control	Rel5	TSG GERAN																	

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					Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
491	50037	8PSK AMR HR	Rel5	TSG GERAN													
495	50041	Uplink TDOA feasibility study	Rel5	TSG GERAN													
497	13000	Service Change and UDI Fallback	Rel5	WG CN3													
498	30001	small Technical Enhancements and Improvements for R	Rel5	Generic													



Project: 3GPP_Work Plan Date: Tue 16/04/02	Critical		Baseline Milestone		Rolled Up Split	
	Critical Split		Milestone		Rolled Up Task Progress	
	Critical Progress		Summary Progress		Rolled Up Baseline	
	Task		Summary		Rolled Up Baseline Milestone	
	Split		Rolled Up Critical		Rolled Up Milestone	
	Task Progress		Rolled Up Critical Split		External Tasks	
	Baseline		Rolled Up Critical Progress		Project Summary	
	Baseline Split		Rolled Up Task			