

TSG-SA Meeting #10
Bangkok, Thailand, 11 – 14 December 2000

SP-000672

Source: TSG-RAN
Title: Unfinished items proposed for inclusion in Rel-4
To: TSG-SA

The following as yet unfinished items are proposed to be still included in Release 4. The relevant Rel-4 submission forms are attached.

1. Node B synchronisation for TDD
2. Terminal Power Saving Features
3. DSCH Power Control Improvement in soft handover
4. Radio access support enhancement
5. UE positioning enhancements
6. Iub/Iur Interfaces for UE positioning methods supported on the Radio Interface Release '99
7. QoS Optimization for AAL type 2 connections over Iub/Iur
8. PS Domain Handover for Realtime Services
9. RAB QoS Negotiation/Renegotiation over Iu
10. RRM Optimizations for Iur and Iub
11. IP Transport in UTRAN
12. Transcoder Free Operations in UTRAN
13. Migration to modification procedure
14. Base station classification
15. UTRAN FDD Repeaters
16. UMTS 1800
17. Low chip rate TDD Physical Layer
18. Low chip rate TDD Layer 2 and Layer 3 protocol aspects
19. Low chip rate TDD UE Radio Access Capability
20. Low chip rate TDD UTRAN Network Iub/Iur protocol aspects
21. Low chip rate TDD RF radio transmission/reception, system performance requirements and conformance testing

1 Node B synchronisation for TDD

Release 4 Submission form

Work Area / Item:		Node B synchronisation for TDD			
Affects:	UE/MS:X	CN:no	UTRAN:X	Compatibility Issues:	Yes: No:X
Expected Completion Date:	03/2001				
Services impacted:	None				
Specifications affected:	25.123, 25.222, 25.223, 25.225, 25.301, 25302, 25.303, 25.321, 25.331, 25.402, 25.433, 25.423				
Tasks within work which are not complete:			Creation of the CRs based on the technical report		
Consequences if not included in Release 4:			Over the air synchronisation for TDD Node Bs is not possible		
Accepted by TSG#		for late inclusion in Release 4:			

2 Terminal Power Saving Features

Release 4 Submission form

Work Area / Item:		Terminal Power Saving Features			
Affects:	UE/MS: X	CN:	UTRAN: X	Compatibility Issues:	Yes: No: X
Expected Completion Date:	TSG RAN #11				
Services impacted:					
Specifications affected:	25.214, 25.301, 25.302, 25.331, 25.101, 25.423, 25. 433				
Tasks within work which are not complete:			Signaling aspects in Uu.		
Consequences if not included in Release 4:			Terminal power saving in UE and capacity increase in Network cannot be fulfilled compared to Rel 99.		
Accepted by TSG#7		for late inclusion in Release 4:			

3 DSCH Power Control Improvement in soft handover

Release 4 Submission form

Work Area / Item:		DSCH Power Control Improvement in soft handover			
Affects:	UE/MS:X	CN:	UTRAN:X	Compatibility Issues:	Yes: No:X
Expected Completion Date:	03/2001				
Services impacted:	None				
Specifications affected:	25.211, 25.214, 25.133, 25.423, 25.433				
Tasks within work which are not complete:			Cretation of the detailed CRs based on the technical reports.		
Consequences if not included in Release 4:			DSCH power control performance improvement in soft handover not obtained		
Accepted by TSG#		for late inclusion in Release 4:			

4 Radio access support enhancement

Release 4 Submission form

Work Area / Item:		Radio access bearer support enhancement			
Affects:	UE/MS:	CN:	UTRAN:	Compatibility Issues:	Yes: No:
Expected Completion Date:		March 01			
Services impacted:		RT for PS Domain (VoIP, streaming...)			
Specifications affected:		25.331, 25.323, Iu specifications (for header removal)			
Tasks within work which are not complete:			Stage 3		
Consequences if not included in Release 4:			Less efficient support for RT multimedia		
Accepted by TSG#		for late inclusion in Release 4:			

5 UE positioning enhancements

Release 4 Submission form

Work Area / Item:		UE positioning enhancements			
Affects:	UE/MS: yes	CN: no	UTRAN: yes	Compatibility Issues:	Yes: No: X
Expected Completion Date:		March 01			
Services impacted:		UE positioning + Low chip rate TDD			
Specifications affected:		25.305, 25.331, 25.302, 25.224, 25.225, 25.123			
Tasks within work which are not complete:			CRs for TDD, stage 2 for others		
Consequences if not included in Release 4:			No support for OTDOA-method for TDD, no FDD enhancements		
Accepted by TSG#		for late inclusion in Release 4:			

6 Iub/Iur Interfaces for UE positioning methods supported on the Radio Interface Release '99

Release 4 Submission form

Work Area / Item: 34		Iub/Iur Interfaces for UE positioning methods supported on the Radio Interface Release 99 (25.850)			
Affects:	UE/MS:	CN:	UTRAN: X	Compatibility Issues:	Yes: No: X
Expected Completion Date:		RAN 11			
Services impacted:		None			
Specifications affected:		25.401, 25.420, 25.423, 25.430, 25.433			
Tasks within work which are not complete:			Need to generate CRs		
Consequences if not included in Release 4:			Late delivery of feature		
Accepted by TSG#		for late inclusion in Release 4:			

7 QoS Optimization for AAL type 2 connections over Iub/Iur

Release 4 Submission form

Work Area / Item: 10		QoS Optimization for AAL type 2 connections over Iub/Iur (25.934)			
Affects:	UE/MS:	CN:	UTRAN: X	Compatibility Issues:	Yes: No: X
Expected Completion Date:	RAN 11				
Services impacted:	None				
Specifications affected:	25.410, 25.414, 25.415, 25.420, 25.424, 25.425, 25.426, 25.430, 25.434, 25.931				
Tasks within work which are not complete:			Need to generate CRs		
Consequences if not included in Release 4:			Late delivery of feature		
Accepted by TSG#	for late inclusion in Release 4:				

8 PS Domain Handover for Realtime Services

Release 4 Submission form

Work Area / Item:12		PS Domain Handover for Realtime Services (25.936)			
Affects:	UE/MS:	CN: X	UTRAN: X	Compatibility Issues:	Yes: No: X
Expected Completion Date:		Approval at RAN 11			
Services impacted:		The intention with the work item is to assure more optimised support for services such as voice over IP.			
Specifications affected:		25.413			
Tasks within work which are not complete:			Need to generate CRs		
Consequences if not included in Release 4:			No Real Time handover support for the PS Domain		
Accepted by TSG#		for late inclusion in Release 4:			

9 RAB QoS Negotiation/Renegotiation over Iu

Release 4 Submission form

Work Area / Item: 13		RAB QoS Negotiation/Renegotiation over Iu (25.946, 25.851)			
Affects:	UE/MS:	CN: X	UTRAN: X	Compatibility Issues:	Yes: No: X
Expected Completion Date:		RAN 11			
Services impacted:		Reduced set-up time of services			
Specifications affected:		25.413, 23.060, 24.008			
Tasks within work which are not complete:			Agreement on a solution between different candidate solutions.		
Consequences if not included in Release 4:			Late delivery of feature		
Accepted by TSG#		for late inclusion in Release 4:			

10 RRM Optimizations for Iur and Iub

Release 4 Submission form

Work Area / Item: 14		RRM Optimizations for Iur and Iub (25.935)			
Affects:	UE/MS:	CN:	UTRAN: X	Compatibility Issues:	Yes: No: X
Expected Completion Date:		RAN 11			
Services impacted:		None			
Specifications affected:		25.420, 25.430, 25.423, 25.433, 25.427, 25.425, 25.435			
Tasks within work which are not complete:			What's not completed in time will not be part of release 4		
Consequences if not included in Release 4:			Late delivery of feature		
Accepted by TSG#		for late inclusion in Release 4:			

11 IP Transport in UTRAN

Release 4 Submission form

Work Area / Item: 18		IP Transport in UTRAN (25.933)			
Affects:	UE/MS:	CN: X	UTRAN: X	Compatibility Issues:	Yes: No: X
Expected Completion Date:		RAN 11			
Services impacted:		None			
Specifications affected:		25.401, 25.402, 25.410, 25.411, 25.412, 25.413, 25.414, 25.415, 25.420, 25.422, 25.423, 25.424, 25.425, 25.426, 25.430, 25.432, 25.433, 25.434, 25.435, 25.442, 25.931, 25.932			
Tasks within work which are not complete:			There are 4 major areas: L2 standardisation or not, Level of multiplexing above or below IP, IPv6 or not and IP and ATM compatibility issues need an agreement		
Consequences if not included in Release 4:			Late delivery of feature		
Accepted by TSG#		for late inclusion in Release 4:			

12 Transcoder Free Operations in UTRAN

Release 4 Submission form

Work Area / Item: 19		Transcoder Free Operations in UTRAN (TR25.953)			
Affects:	UE/MS:	CN:	UTRAN: X	Compatibility Issues:	Yes: No: X
Expected Completion Date:		RAN 11			
Services impacted:		None			
Specifications affected:		25.401, 25.410, 25.413, 25.415			
Tasks within work which are not complete:			Need to generate CRs		
Consequences if not included in Release 4:			Late delivery of feature		
Accepted by TSG#		for late inclusion in Release 4:			

13 Migration to modification procedure

Release 4 Submission form

Work Area / Item: 38		Migration to modification procedure (TR25.954)			
Affects:	UE/MS:	CN: X	UTRAN: X	Compatibility Issues:	Yes: No: X
Expected Completion Date:	RAN 11				
Services impacted:	None				
Specifications affected:	25.410, 25.413, 25.414, 25.415, 25.420, 25.423, 25.424, 25.425, 25.426, 25.430, 25.433, 25.434, 25.931				
Tasks within work which are not complete:			Need to generate CRs		
Consequences if not included in Release 4:			Late delivery of feature		
Accepted by TSG#		for late inclusion in Release 4:			

14 Base station classification

Release 4 Submission form

Work Area / Item:		Base station classification			
Affects:	UE/MS:	CN:	UTRAN: X	Compatibility Issues:	Yes: No:X
Expected Completion Date:		RAN #11			
Services impacted:					
Specifications affected:		25.951, 25.952, 25.104, 25.105, 25.141, 25.142, 25.123, 25.133, 25.942			
Tasks within work which are not complete:			Completion of simulation work and RF parameters		
Consequences if not included in Release 4:			Late delivery of feature		
Accepted by TSG#		for late inclusion in Release 4:			

15 UTRAN FDD Repeaters

Release 4 Submission form

Work Area / Item:		UTRAN FDD Repeaters			
Affects:	UE/MS:	CN:	UTRAN:X	Compatibility Issues:	Yes: No:X
Expected Completion Date:		RAN #11			
Services impacted:					
Specifications affected:		25.106, 25.143, 25.113			
Tasks within work which are not complete:			A few of the RF parameters and test procedures		
Consequences if not included in Release 4:			Late delivery of feature		
Accepted by TSG#		for late inclusion in Release 4:			

16 UMTS 1800

Release 4 Submission form

Work Area / Item:		UMTS 1800			
Affects:	UE/MS: X	CN:	UTRAN: X	Compatibility Issues:	Yes: No: X
Expected Completion Date:		RAN #11			
Services impacted:					
Specifications affected:		25.101, 25.104, 25.141, 34.121			
Tasks within work which are not complete:			Completion of coexistence simulations and RF specifications		
Consequences if not included in Release 4:			Late delivery of feature		
Accepted by TSG#		for late inclusion in Release 4:			

17 Low chip rate TDD Physical Layer

Release 4 Submission form

Work Area / Item:		Low Chip rate TDD Physical layer			
Affects:	UE/MS:x	CN:no	UTRAN:x	Compatibility Issues:	Yes: No:x
Expected Completion Date:		03/2001			
Services impacted:		None			
Specifications affected:		25.221, 25.222, 25.223, 25.224, 25.225			
Tasks within work which are not complete:			Cretation of the detailed CRs, uplink synchronisation, Handover to GSM with data rates above 32 kbps		
Consequences if not included in Release 4:			1.28 Mcps TDD is not supported in the physical layer		
Accepted by TSG#		for late inclusion in Release 4:			

18 Low chip rate TDD Layer 2 and Layer 3 protocol aspects

Release 4 Submission form

Work Area / Item:		Low chip rate TDD layer 2 and layer 3 protocol aspects			
Affects:	UE/MS: yes	CN: no	UTRAN: yes	Compatibility Issues:	Yes: No: X
Expected Completion Date:		March 01			
Services impacted:		all			
Specifications affected:		25.331, 25.321			
Tasks within work which are not complete:			CRs		
Consequences if not included in Release 4:			No support for LCR TDD		
Accepted by TSG#		for late inclusion in Release 4:			

19 Low chip rate TDD UE Radio Access Capability

Release 4 Submission form

Work Area / Item:		Low Chip Rate TDD UE Radio Access Capability			
Affects:	UE/MS: yes	CN: no	UTRAN: yes	Compatibility Issues:	Yes: No: X
Expected Completion Date:		March 01			
Services impacted:		all			
Specifications affected:		25.306, 25.331			
Tasks within work which are not complete:			CRs		
Consequences if not included in Release 4:			No LCR TDD		
Accepted by TSG#		for late inclusion in Release 4:			

20 Low chip rate TDD UTRAN Network Iub/Iur protocol aspects

Release 4 Submission form

Work Area / Item: 31		Low Chip Rate TDD UTRAN Network Iub/Iur protocol aspects (25.937)			
Affects:	UE/MS:	CN:	UTRAN: X	Compatibility Issues:	Yes: No: X
Expected Completion Date:		RAN 11			
Services impacted:		None			
Specifications affected:		25.401, 25.402, 25.433, 25.423, 25.427, 25.435			
Tasks within work which are not complete:			Need to generate CRs		
Consequences if not included in Release 4:			Late delivery of feature		
Accepted by TSG#		for late inclusion in Release 4:			

21 Low chip rate TDD RF radio transmission/reception, system performance requirements and conformance testing

Release 4 Submission form

Work Area / Item:		Low Chip Rate TDD RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing			
Affects:	UE/MS:X	CN:	UTRAN:X	Compatibility Issues:	Yes: No:X
Expected Completion Date:		RAN #11			
Services impacted:					
Specifications affected:		25.945, 25.102, 25.105,25.123, 25.142, 25.942, 25.113, 25.133			
Tasks within work which are not complete:			Agreement BTS to BTS interference scenario, and associated RF parameters		
Consequences if not included in Release 4:			Late delivery of feature		
Accepted by TSG#		for late inclusion in Release 4:			