

Agenda Item: 5.3

Source: TSG RAN WG2

Title: Deliverables and work plan for TSG RAN WG2

Document for: Approval

1. Current work areas

TSG RAN WG2 is responsible for the definition of the layer 2 and layer 3 of the radio interface protocols of UTRA.

Currently identified items are :

- Radio Resource management protocol
- MAC protocol
- RLC protocol
- Inter-layer procedures
- Provision of Radio Access Bearers to the upper layers
- Multiplexing of services on the radio interface
- Definition of the services of the physical layer to upper layers (layer 2 and layer 3)
- Control of the configuration of the physical layer
- Paging mechanism
- Broadcast of system information
- Random access mechanism
- Procedures in dedicated mode
- Procedures in idle mode
- Ciphering
- Location/positioning services
- OFDMA

2. Deliverables

	Title	Type	Editor
S2.01	Radio Interface Protocol Architecture	TS	Wolfgang Granzow (Ericsson)
S2.02	Services provided by the physical layer	TS	Pierre Lescuyer (Nortel Networks)
S2.03	UE functions and inter-layer procedures in connected mode	TS	Mikko Rinne (Nokia)
S2.04	UE procedures in Idle Mode	TS	Tommi Leivonen (Nokia)
S2.21	MAC protocol specification	TS	Armin Sitte (Siemens)
S2.22	RLC protocol specification	TS	Marco Mastroforti (CSELT) Daniele Franceschini (CSELT)
S2.31	RRC protocol specification	TS	Stephen Barrett (Motorola)
R2.01	Guidelines and principles for protocol description and error Handling	TR	Jean Dumazy (Philips)
R2.02	RRM strategies	TR	Nicola Pio Magnani (CSELT) Daniele Franceschini (CSELT)
R2.03	Location services feature	TR	David Steer (Nortel Networks)

R2.04	Broadcast/Multicast services	TR	Peter Krischan (Mannesmann)
R2.05	ODMA	TR	Alan Law (Vodafone)

3. Revision handling of the specifications

The specifications in this work plan are version numbered according to a three digit numbering system. The first digit is increased when a new version is approved by the RAN TSG. The second digit is increased when a new version is approved by a Working Group. The third digit is increased after every new version released by the editor. For example, version V0.0.1 is the first version of a specification created by the editor. Version V0.1.0 is the first version approved by a Working Group and version V1.0.0 is the first version approved by the RAN TSG. For each new version the history sheet of the specification shall incorporate a list of the stable and agreed parts of the specification. The first digit also has the following meaning:

- V1.0.0 is a Draft Specification. The Draft Specification should be approved by the RAN TSG. A Draft specification does not need to be complete, but it should be clearly marked in the specification what is stable and agreed and what is not stable and not agreed. For the items that are stable and agreed the change request procedure applies.
- V2.0.0 is the First Complete specification. The First Complete Specification should be approved by the RAN TSG. For a First Complete Specification the change request procedure applies
- V3.0.0 is the Release 99 of the 3GPP RAN Specifications.

Note 1: According to the time plan agreed at the 3GPP RAN TSG#1 meeting all specifications should at least be in version V1.0.0 in April 1999.

Note 2: According to the time plan agreed at the 3GPP RAN TSG#1 meeting all specifications should be in version V3.0.0 in December 1999.

Note 3: It is not necessary to have a Specification in version V1.x.y before it becomes a version V2.0.0 Specification.

Note 4: It is not necessary to have a Specification in version V2.x.y before it becomes a version V3.0.0 (Release 99) Specification.

Note 5: The version number method should be aligned with the other 3GPP TSG, therefore the definitions above may change.

4. Work plan

4.1 Milestones

The work plan with milestones is shown in Table 1. An 'X' in the table means that no more work is expected for the listed task after the listed month. A '*' means that the milestone depends on the progress in WG1.

The release 99 deadline and the April 99 deadline are not shown in the work plan with specific version numbers of the specifications since it is not possible to predict what the version numbers would be. Nevertheless, there is deadlines April 99 and December 99.

The work plan is applicable to the contents of the first versions specifications produced. Additional technical topics may be added before a certain deadline, e.g. April 1999, where the technical contents of the release 1999 will be decided. After this deadline, new topics for later releases will be put last on the agenda and treated only if time allows. Additional details on the procedures applicable to the definition of the 99 release can be found in RP-99167 from TSG RAN #2.

Table 1: Work plan with milestones

Specification	and	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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tasks												
S2.01 Radio Interface Protocol Architecture		1.0.0		2.0.0								
Functional split between layers		X										
Terminating points				X								
S2.02 Services Provided by the Physical Layer		1.0.0				2.0.0						
L1 model & Services		*										
Transport Channels		*										
L1 Primitives				*								
Transport Format Set values						*						
S2.03 UE Functions and Inter-layer procedures in Connected Mode		1.0.0		2.0.0								
Examples of RRC Connection Control Procedures with interlayer interactions		X										
Examples of Radio Access Bearer Control Procedures with interlayer interactions		X										
Examples of RRC Connection Mobility Procedures with interlayer interactions		X										
S2.04 UE Functions Related to Idle Mode		1.0.0							2.0.0			
Overall description of idle mode		X										
Functional division between NAS and AS		X										
System information receiving				X								
Paging				X								
Examples of				X					X			

procedures													
DRX in Idle Mode						X							
Cell (re)selection						X							
Measurements in Idle Mode						X							
Multicast services									X				
S2.21 Medium Access Control (MAC) Protocol Specification													
		1.0.0		2.0.0									
Model		X											
Logical Channels		X											
PDU formats			X										
MAC primitives				X									
SDL(?)				X									
S2.22 Radio Link Control (RLC) Protocol Specification													
		1.0.0				2.0.0							
Model		X											
Protocol States		X											
PDU formats				X									
ARQ methods				X									
RLC primitives						X							
State variables, timers and protocol parameters						X							
SDL(?)						X							
S2.31 Radio Resource Control (RRC) Protocol Specification													
		1.0.0											2.0.0
Elementary procedures				X									
Protocol States						X							
Error Cases						X							
Message Syntax & Parameters						X							

parameter space)												
Message encoding									X			
SDL(?)									X			

5. List of future meetings

25 - 28 May 1999 Berlin, Germany (Siemens)
start at 9:00, finish at 5PM

5 - 9 July 1999 Sophia Antipolis, France (ETSI)
start at 9:00, finish at 4PM

16 - 20 August 1999 Sophia Antipolis, France (ETSI)
start at 9:00, finish at 4PM

20 - 23 September 1999, Malmo, Sweden (Telelogic)
start at 9:00, finish at 3PM

2 - 5 November 1999, location tbd

6 - 10 December 1999, location tbd (same location as RAN 13-17th Dec 99 plenary would be appreciated)