Source:	**TSG-RAN Chairman**
Title:	**Chairman's Report from TSG-RAN#3**
Document for:	**Discussion**
Agenda Item:	**6.12.1**

This document summarizes activity and current status of TSG-RAN

1. Inputs from other group

Tdoc 182 Liaison statement on requirements on GSM/GPRS evolution for UMTS. This LS was copied to TSG-RAN for information. WG2 will study this document.

Tdoc 183 LS on Need for inter-operator handover between UMTS and GSM. This LS to TSG-RAN will be studied by all working groups and a single response from TSG-RAN will be made.

2. Report from WGs

2.1 Report from WG1

Tdoc 181 Liaison on UE physical layer capabilities. This LS from WG1 to TSG-T2 was copied to TSG-RAN for information.

Tdoc 248 Introduction of the Chinese narrowband key parameters and features for UTRA-TDD mode. This document from ARIB, CATT, DoCoMo, Ericsson, Nokia, RITT and Siemens makes proposals based on CATT's TD-SCDMA approach. TSG-RAN agreed to consider this technology. WG1 will consider the feasibility and to which release of the specification it would be added, and report back to RAN#4.

2.2 Report from WG4

Tdoc 228 Report from TSG RAN WG4. The report was presented by the WG4 chairman Howard Benn (Motorola). Specifications have been numbered within the 25-series. The chairman asked Mr Benn to produce a WG4 workplan. Tdoc 229 is a proposed project plan from Motorola. Mr Benn encouraged contributions from companies other than his own.

There are 4 liaison statements to other RAN working groups which have been copied to TSG-RAN**.**

Tdoc 246 LS on Liaison statement on carrier frequency raster. This liaison statement seeks guidance from TSG-SA and various bodies (via TSG-RAN) on the carrier raster definition formula which WG4 has developed. It was agreed to send this to TSG-SA, T1P1.5, and ERC

Tdoc 270 Answer to TSG-T2 on Baseline Terminal Capabilities. Provided to TSG-RAN for information.

2.3 Report from ITU Ad Hoc

Tdoc 249 Radio Interface Specifications for IMT-2000 (ITU Ad Hoc) (this replaces Tdoc 219) is a reply to the LS from ITU-R in tdoc 189 and contains materiel about the radio interface. It is intended to be presented by an individual ITU-R member to the next ITU-R TG 8/1 meeting (Beijing 31 May 1999 to 11 June 1999), as well as to the joint experts group ITU-T SG11 and ITU-R TG 8/1 during the TG 8/1 meeting, and to ITU-T SG11 . There was discussion about how to handle in ITU Rec references to 3GPP Specs (e.g., which version of the radio specification would be referenced by ITU-R).

3GPP does not normally send liaison statements to ITU but in this case would be replying to a request from ITU-R. PCG could be consulted before this LS is sent to ITU but since the next PCG meeting is 6-7 July 1999 it was decided to use the normal procedure (tdoc 249 to be submitted to ITU-R by individual members with the footnote "this contribution was developed in 3GPP TSG-RAN"). It was clarified that Tdoc 249 provides answers only to the topics which are relevant to RAN; for remaining topics, a LS is proposed to be sent to 3GPP Organisational Partners (see Tdoc 253). It was agreed but a new version was produced (Tdoc 285). On the third day tdoc 285 was approved.

Tdoc 253 Proposed Liaison Statement to the 3GPP Organisational Partners (ITU Ad Hoc Contact Person). This document is a liaison statement to 3GPP organisational partners asking them to respond to some parts of ITU-R liaison statement in tdoc 189, particularly bullet points 2 and 3 of section 2.2 which were not answered by RAN. It was agreed but a new version was produced (Tdoc 286). On the third day tdoc 286 was approved.

Tdoc 250 Revision of Recommendation ITU R M 1079 (ITU Ad Hoc). This document is accompanied by an LS to TSG-SA (tdoc 252) requesting the latest version of Tdoc C-99-063 (or other appropriate document) for submission to ITU-R TG 8/1. Approved for the cover page only. Will be revised (Tdoc 284).

Tdoc 252 Proposed Liaison Statement to TSG SA (ITU Ad Hoc Contact Person). This is a proposed liaison

statement to TSG-SA. Agreed but new version will be produced (Tdoc 283). On the third day tdocs 283 and 284 were approved.

Tdoc 251 Proposed contribution to ITU R TG 8/1 on TDD harmonisation developments within 3GPP (NOKIA). This document requests to inform TG 8/1 on the status of the activity within 3GPP on the Chinese proposal (see the attached document on Chinese narrowband key parameters and features for UTRA-TDD mode tdoc 248). It was requested to provide a clean version of the document (Tdoc 282) to be approved by RAN to be sent by an individual member with the footnote "this contribution was developed in 3GPP TSG-RAN". On the third day tdoc 282 was approved.

3. Specification documents

3.1 Documents from WG1

Tdoc	Presented as spec.	Presented as version	Title	Result	Agreed as spec.	Final version
233	S1.01	2.0.0	Physical layer -General Description	endorsed note 1	25.201	2.0.0
234	S1.11	2.0.0	Physical channels and mapping of transport channels onto physical channels (FDD)	endorsed	25.211	2.0.0
235	S1.12	2.0.0	Multiplexing and channel coding (FDD)	noted note 2	25.212	1.0.0
236	S1.13	2.0.0	Spreading and modulation (FDD)	endorsed note 3	25.213	2.0.0
237	S1.14	2.0.0	FDD; physical layer procedures	noted note 4	25.214	1.0.0
238	S1.21	2.0.0	Physical channels and mapping of transport channels onto physical channels (TDD)	noted note 5	25.221	1.0.0
239	S1.22	2.0.0	Multiplexing and channel coding (TDD)	noted note 6	25.222	1.0.0
240	S1.23	2.0.0	Spreading and modulation (TDD)	endorsed note 7	25.223	2.0.0
241	S1.24	2.0.0	TDD; physical layer procedures	noted	25.224	1.0.0
242	S1.31	2.0.0	Physical layer; measurements	noted note 8	25.231	0.2.0

Note 1: Pulse Shaping (section 7.2.3) and Transmission And Reception Frequency Band (section 7.2.4) are the responsibility of WG4. Sections 7.2.3 and 7.2.4 should be removed and references made to relevant WG4 documents.
Note 2: It was agreed that certain corrections to the editor's note need to be made, especially regarding turbo coding and interleaving, and they will be done by the WG1 chairman and the document shall be presented again to RAN still during the on-going meeting with the corrections as version 2.0.1 (tdoc 289). On the third day tdoc 235 was noted as 25.212 version 1.0.0. The channel interleaver section is still missing.
Note 3: Pulse shaping shall be referenced to a WG4 specification.
Note 4: Power control section is unstable.
Note 5: There are some open issues relating to random access channel. There are erroneous editor's notes.
Note 6: Same issues as S1.12. On the third day tdoc 290 was noted as 25.222 version 1.0.0.
Note 7: Same issues as S1.13
Note 8: Some corrections from WG1 in section 7.5 have not been incorporated.

3.2 Documents from WG2

Tdoc	Presented as spec.	Presented as version	Title	Result	Agreed as spec.	Final version
259	S2.01	0.2.0	Radio Interface Protocol Architecture	approved note 1	25.301	3.0.0
260	S2.02	0.3.0	Services provided by the physical layer	endorsed note 2	25.302	2.0.0
261	S2.03	0.3.0	UE functions and inter-layer procedures in connected mode	endorsed note 3	25.303	2.0.0
262	S2.04	0.2.0	UE procedures in Idle Mode	noted	25.304	1.0.0
263	S2.21	0.1.0	MAC protocol specification	endorsed note 4	25.321	2.0.0

| 264 | S2.22 | 0.1.0 | RLC protocol specification | noted | 25.322 | 1.0.0 |
| 265 | S2.31 | 0.1.0 | RRC protocol specification | noted | 25.331 | 1.0.0 |

Note 1: "Editor's notes" should be marked as "notes". An editorial error was corrected in version 0.2.0 after an email discussion.
Note 2: Missing parameters for transport channels. Missing primitives.
Note 3: There are several editorial notes. More examples may be added. Annex A may be modified.
Note 4: Hybrid ARQ missing, ciphering not completed, several sections contain no text. There was a long discussion about whether to endorse this document, or to approve it with some parts removed from R99 and postponed to a later release. A slight majority preferred the former approach. Therefore the document was endorsed. It is expected that the specification will be approved at the next meeting.

3.3 Documents from WG3

Note: Tdoc 187 is the same as tdoc 194. Tdoc 188 is the same as tdoc 214

Tdoc	Presented as spec.	Presented as version	Title	Result	Agreed as spec.	Final version
193	S3.01	0.1.0	UTRAN Overall Description	noted	25.401	1.0.0
187	S3.10	0.1.0	UTRAN Iu Interface: General Aspects and Principles	noted	25.410	0.1.0
195	S3.11	0.1.0	UTRAN Iu interface Layer 1	note 1	25.411	see note 1
196	S3.12	0.1.0	UTRAN Iu interface signalling transport	noted note 2	25.412	1.0.0
197	S3.13	0.1.0	UTRAN Iu interface RANAP signalling	noted	25.413	1.0.0
198	S3.14	0.1.0	UTRAN Iu interface data transport & transport signalling	noted note 1	25.414	1.0.0
199	S3.15	0.1.0	UTRAN Iu interface user plane protocols	noted	25.415	0.1.0
200	S3.20	0.1.0	UTRAN Iur Interface: General Aspects and Principles	noted	25.420	0.1.0
201	S3.21	0.1.0	UTRAN Iur interface Layer 1	note 1	25.421	note 1
202	S3.22	0.1.0	UTRAN Iur interface signalling transport	note 3	25.422	see note 3
203	S3.23	0.1.0	UTRAN Iur interface RNSAP signalling	noted	25.423	1.0.0
204	S3.24	0.1.0	UTRAN Iur interface data transport & transport signalling for CCH data streams	noted note 3	25.424	1.0.0
205	S3.25	0.1.0	UTRAN Iur interface user plane protocols for CCH data streams	noted	25.425	0.1.0
206	S3.26	0.1.0	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	noted note 1	25.426	1.0.0
207	S3.27	0.1.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	noted	25.427	0.1.0
208	S3.30	0.1.0	UTRAN Iub Interface: General Aspects and Principles	noted	25.430	0.1.0
209	S3.31	0.1.0	UTRAN Iub interface Layer 1	note 1	25.431	note 1
210	S3.32	0.1.0	UTRAN Iub interface signalling transport	noted note 1	25.432	1.0.0
230	S3.33	0.1.0	NBAP specification	noted	25.4.33	1.0.0
211	S3.34	0.1.0	UTRAN Iub interface data transport & transport signalling for CCH data streams	noted note 1	25.434	1.0.0
212	S3.35	0.1.0	UTRAN Iub interface user plane protocols for CCH data streams	noted	25.435	0.1.0

Note 1: TSG-RAN mandated WG3 to produce the specification at its next meeting 26-30 April with the intention to approve it by correspondence before RAN#4. The document shall be distributed on the TSG-RAN email reflector as v2.0.0 as soon as possible. The specification will then become approved as v3.0.0 only if there are no objections within 30 days.
Note 2: The same procedure shall be applied as in note 1. In addition the chairman will request confirmation from SA of the choice made by SA2 on IU signalling for the packet domain.
Note 3: WG3 will try and reach a consensus at its next meeting 26-30 April with the intention to approve the specification by correspondence before RAN#4. If consensus is reached, the document shall be distributed on the TSG-RAN email reflector as v2.0.0. The specification will then become approved as v3.0.0 only if there are no

objections within 30 days.

General comments: Dated references shall be replaced by non-dated references (to ITU-R recommendations). Editors are required for missing specifications.

3.4   Documents from WG4

Tdocs 222, 223, 224, 225, 226, 227 and 272 were withdrawn and replaced with tdocs 276 to 281 inclusive. Only version numbers have changed.

Tdoc	Presented as spec.	Presented as version	Title	Result	Agreed as spec.	Final version
276	S4.01A	1.1.0	UE Radio transmission and reception (FDD)	noted	25.101	1.0.0
277	S4.01B	1.0.1	BTS Radio transmission and reception (FDD)	noted	25.104	1.0.0
278	S4.02A	1.0.1	UE Radio transmission and reception (TDD)	noted	25.102	1.0.0
279	S4.02B	1.0.1	BTS Radio transmission and reception (TDD)	noted	25.105	1.0.0
280	S4.03	1.0.0	RF parameters in support of RRM	noted	25.103	0.1.0
281	S4.11	0.0.1	Base station conformance testing (FDD)	noted	25.141	0.1.0

Note: All specifications are available on the 3GPP server in the WG4 directory.

Two specifications were not presented:

25.142 Base station conformance testing (TDD) This specification does not yet exist

25.113 Base station EMC. Contributions have been made. A report comparing regional EMC standards is being made in WG4.

7.   Technical reports

It was agreed that published technical reports will be numbered in the 25.900 range:

- 25.910 for WG1 technical reports
- 25.920 for WG2 technical reports
- 25.930 for WG3 technical reports
- 25.940 for WG4 technical reports
- 25.990 for RAN technical reports

It was agreed that internal reports to 3GPP will be numbered in the 25.800 range

It was agreed that work plans are numbered in the 30.500 range.

It was agreed that the same version numbering scheme will be used as for specifications.

Technical reports from WG1

Tdoc	presented as report	presented as version	title	decision	agreed as report	final version
255	R1.01	0.1.0	Physical Layer Study Items	note 1	R1.01	0.1.0

Note 1: May not be a permanent technical report. This, and version numbering, are subject to further discussion.

The technical report on physical layer capabilities is not yet available.

Technical reports from WG2

Tdoc	presented as report	presented as version	title	decision	agreed as report	final version
266	R2.01	0.1.0	Guidelines and principles for protocol description and error handling (report)	noted	25.921	1.0.0
267	R2.02	0.1.1	RRM strategies	for information	25.922	0.1.1
268	R2.03	0.1.0	Location services features	noted	25.923	1.0.0
269	R2.05	0.0.1	ODMA	for information	25.924	0.0.1

Technical reports from WG3

Tdoc 188 is the same as tdoc 214.

Tdoc	presented as report	presented as version	title	decision	agreed as report	final version
213	I3.01	0.1.0	UTRAN Functions, examples on signalling procedures	noted	25.931	1.0.0
188	I3.02	0.1.0	Manifestations of handover and SRNS relocation	endorsed note 1	I3.02	2.0.0

215	I3.03	0.1.0	TSG RAN WG3 Work Plan and Study Items	for information	30.531	0.1.0
216	I3.04	0.1.0	TSG RAN WG3 Study Items for Future Release	for information	25.831	0.1.0
217	I3.05	0.1.0	Node B O&M Functional Descriptions	for information note 2	I3.05	0.1.0

Note 1: Comments awaited from SA2. Not yet decided whether a work plan or internal report.
Note 2: Not intended as a deliverable. Not yet decided whether a work plan or internal report.

Technical reports from WG4

Tdoc	presented as report	presented as version	title	decision	agreed as report	final version
-	4.0.0	0.0.1	Introduction	for information	25.941	0.0.1
293	4.0.1	0.0.2	RF system scenarios	for information	25.942	0.0.2

A workplan will be produced as document 30.540.

Tdoc 221 UTRAN vocabulary. This document originated from ETSI SMG. It was presented by Howard Benn. TSG-RAN agreed to use this terminology as a basis. It will be edited and sent to ITU-R TG8/1 WG2 by the ITU ad-hoc group. Motorola will provide an editor for the document. The chairman tasked all specification editors to check tdoc 221 and email any comments to Howard Benn.

4. Document/version Numbering

The chairman explained that if a version 2.0.0 specification is approved by TSG-RAN, it becomes version 3.0.0 and enters the process of change control. Therefore unstable specifications should not be approved because there would be an unnecessarily high administrative burden.

Tdoc 244 Proposed Liaison Statement on document numbers and version conventions. Proposes that version 4 should be used once a document is sufficiently stable. Ian Doig objected to the principle of changing the system to suit the documents. The document was not agreed.

On the second day Ian Doig gave a presentation on version numbering as in the 3GPP Working Procedures. It was agreed to follow these procedures. They are outlined below:

Working Draft	version 0.x.y	unstable
Internal WG Draft	version 1.x.y	>50% stable, no change control
Draft for RAN approval	version 2.x.y	>80% stable, no formal change control
RAN approved	version 3.x.y	stable, under TSG change control

The following decision criteria were agreed by TSG-RAN.

Decision	Interpretation	Final version
Approved	document considered stable, no objections	version 3.x.y
Endorsed	no objections, but non-essential modifications expected	version 2.x.y
Noted	no objections but modifications expected	version 1.x.y

Tdoc 291 Example 3GPP specifications status list. Ian Doig presented the document. After each TSG-SA meeting a status list of current specifications will be produced by the 3GPP support team. Specifications shown on the list will be available publicly on the 3GPP server. Specifications which have been approved by correspondence between TSG-SA meetings will be indicated in the comment field. Editors were requested to supply agreed versions to the secretariat.

5. Others

Tdoc 244 Proposed Liaison Statement on document numbers and version conventions. WG4 conformance test document covers RF tests at the antenna connector only. Tdoc 244 questions if signalling tests, and tests at other interfaces, should be developed. It was agreed that testing on Iub and Iur interfaces is not necessary at the moment.

Tdoc 254 Responsibility for conformance test method and minimum performance requirements. This tdoc requests companies to contribute conformance test methods to TSG-T1 and minimum performance requirements to TSG-RAN WG4. After discussion, companies were invited to make contribute on these issues to TSG-SA. It was agreed to send a modified version of tdoc 254 from TSG-RAN to TSG-SA for information and copy to TSG-T1 and

TSG-R4. The principle that, companies who contribute to core specifications should be encouraged to make contributions to conformance test specifications accordingly, was accepted.

Tdoc 296 Proposed LS to TSG SA on support from 3GPP Support Team. Requests involvement of 3GPP support team in RAN WGs. The issue of support for STG-RAN and WGs will be raised by the chairman. The liaison statement was approved.

6. Output to other groups

Tdoc 231. Liaison statement to ERC TG1. Reply to their liaison statement in document RP-99120 (presentation in document RP-99121). The reply has been discussed in WG4 and on the email reflector, and is based on information in R4-99048, RP-99222 and RP-99223. It was agreed to send this liaison statement from TSG-RAN and copy to PCG.

Various outputs to ITU-R were agreed (see section 5.5 of this report).

Appendix

Meeting schedule

TSG-RAN

	Date	Host	Location
RAN#4	17 - 18 June, 1999	GSM N America members	Wyndham Miami-Biscayne Bay, Miami, FL, USA
RAN#5	6 - 8 October , 1999		Korea or Japan?
RAN#6	13-17 December, 1999 ?		
	13 - 15 March, 2000		
	5 - 9 June 2000 (in conjunction with SMG#32)	Mannesmann	Berlin
	25 - 29 September, 2000		
	11 - 15 December, 2000		

RAN WG1

Date	Host	Location
1-4 June 1999	TTA	Korea
12-16 July 1999	Nokia	Finland
31 August - 3 September 1999		
12 - 15 October 1999		
30 November - 3 December 1999		

RAN WG2

Date	Host	Location
25 - 28 May 1999		
5 - 9 July 1999		

RAN WG3

Date	Host	Location
26 - 30 April 1999	Fujitzu	Japan
31 May - 4 June 1999	Lucent + Motorola	Swindon
5 - 9 July 1999	Nokia	Helsinki, Finland
23 - 27 August 1999	ETSI	Sophia Antipolis
20 - 24 September 1999		
25 - 29 October 1999		
6 - 10 December 1999		

RAN WG4

Date	Host	Location
10 - 12 May	Ericsson	Stockholm, Sweden
14 - 16 June	GSM N America members	Miami, USA
27 - 29 July	Hewlett Packard	Edinburgh, UK
7 - 9 Sept	Fujitzu	Makuhari, Japan
19 - 21 Oct		
30 Nov - 2 Dec		