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Technical Report

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UMTS 30.531 WG3 Work Plan and Study Items
(Release 1999)

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Contents

Foreword

This Technical Report (TR) has been produced by the 3rd Generation Partnership Project (3GPP).

The contents of the present document are subject to continuing work within the TSG and may change following formal TSG approval. Should the TSG modify the contents of the present document, it will be re-released by the TSG with an identifying change of release date and an increase in version number as follows:

Version x.y.z

where:

- x the first digit:
  - 1 presented to TSG for information;
  - 2 presented to TSG for approval;
  - 3 or greater indicates TSG approved document under change control.
- y the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.
- z the third digit is incremented when editorial only changes have been incorporated in the document.

1 Scope

The present document presents the workplan for TSG RAN WG3. It describes the work procedures of WG3. The document also contains a list of all specifications under responsibility of RAN WG3, and a list of all open issues remaining for R99 specifications. Also, the work intended for Rel-4 and Rel-5 is listed.

2 References

Void

3 Definitions, symbols and abbreviations

Void

4 General

4.1 Meeting intensity

The meeting intensity of WG3 must fulfil at least two requirements:

- Often enough to be able to produce the necessary specifications on time,
- Seldom enough to enable ad-hoc groups and/or sub-working groups to work between the meetings.

To fulfil the above requirements the meeting intensity of WG3 will be roughly once every 6th week with a meeting duration of a complete week.

5 Work procedures

TSG RAN WG3 has the overall responsibility of the specifications listed in chapter 6. In order to achieve efficient progress, WG3 will have the following split between the WG3 plenary meeting and the sub-working groups.

5.1 Plenary meeting

1. In the plenary meeting discussions and contributions in order to produce the following overall specifications (see list of specifications in ch. 6) should be treated:
   - 25.401: UTRAN Overall Description;
   - 25.402: Synchronisation in UTRAN, stage 2;
   - L1 specifications referring to existing standards, i.e. 25.411, 25.421, 25.431;
   - The transport layer specifications 25.412, 25.414, 25.422, 25.424, 25.426, 25.432, 25.434, 25.442;
   - The technical reports 25.831, 25.832, 25.931, and 30.531;
   - General protocol principles that should be aligned between all interfaces;
   - Items impacting both SWGs should be discussed in the plenary.
2. The work that is performed in the different sub-working groups will be co-ordinated in the plenary meeting. Decisions taken in the sub-working groups should be reported to and formally approved by the WG3 Plenary.

Decisions on detailed protocol issues can be taken in SWGs and considered WG-approved by default unless it is requested to discuss the issue in the plenary meeting. Architectural issues, protocol methodology issues or controversial issues should always be brought to WG plenary.

3. It is the forum where CRs to approved specifications and new specifications are formally WG-approved to be sent to TSG RAN for approval.

5.2 Sub-working groups (SWG)

1. TSG RAN WG3 contains two SWGs:

   Iu SWG:

   - The Iu SWG is responsible for the Iu specifications: 25.410, 25.413, 25.415 and 25.419.

   Iur&Iub SWG:

   - The Iub/Iur SWG is responsible for the specifications: 25.420, 25.423, 25.425, 25.427, 25.430, 25.433, and 25.435.

2. TSG RAN WG3 can decide the creation of SWGs.
3. WG3 may create new or terminate existing SWGs and a rapporteur is appointed by WG3. The rapporteur is responsible for the reporting of the progress in the ad-hoc group to WG3.
4. A SWG has a clearly identified scope, with the identification of the expected results (e.g. draft specification, Change Request on a specification, Technical Report, or more simply an input paper).
5. The duration and handling of a SWG depends on the importance of the task to be carried out. A SWG may last e.g.

   - Only a few days, and be carried in evening or parallel sessions of WG3 (WG3 could for example stop one afternoon).
   - Only between two WG3 meetings, and be conducted either via e-mail or in ad-hoc meetings.
   - Several months in which case reporting will be made at each occurring WG3.
   - Until its task is completed.

6. The meetings and organisation of the SWG will have to be organised in a co-ordinated manner, with enough pre-meeting notice. The SWG rapporteur will manage this task. The SWG rapporteur also acts as chairman for SWG sessions.
7. In order to facilitate SWG work, and also a quick resolving of the key problems, it is encouraged that SWGs should focus on issues where the involved people are less than the WG3 meeting. Otherwise, the issue can be handled directly in WG3.
8. The SWGs provide full reports to the WG3 Plenary.
9. Decisions of SWGs have to be formally approved by the WG3 Plenary.

5.3 Meeting arrangements

WG3 meetings are normally one week long. The number of parallel sessions should be optimised to minimum that is needed for efficient progress. Also parallel sessions for groups that need very similar expertise should be avoided. Table 1~~Table 1~~ is an example of a meeting structure designed according to this principle:

Table 1: Example of WG3 meeting structure.

Monday	Tuesday		Wednesday		Thursday	Friday
Opening Plenary	Iu	Iur&Iub	Iu	Iur&Iub	Plenary	Closing Plenary

It must be possible to allocate time for the opening and closing plenaries in a flexible manner.

Draft agenda for the next meeting should be agreed upon in the closing plenary.

Meeting schedule:

Meeting	Dates	Venue, host
WG3#8	25-29 October, 1999	Abiko, Japan, NEC
WG3 Messages and ASN.1 ad hocs	*22-24 November, 1999*	*Helsinki, Finland, Nokia*
WG3#9	6-10 December, 1999	Paris, France, FT and Alcatel
WG3#10	24 – 28 January, 2000	Gothenburg, Sweden, Ericsson
RRM ad-hoc	*8-10 February, 2000*	
WG3#11	28 February – 3 March, 2000	Sophia Antipolis, France, Mediathel
TSG RAN#7	*13 – 15 March, 2000*	
WG3#12	10 – 14 April, 2000	Korea, Samsung
WG3#13	22 – 26 May, 2000	Hawaii, US, T1P1
TSG RAN#8	*21-23 June, 2000*	
WG3#14	3 – 7 July, 2000	Helsinki, Finland, Nokia
WG3#15	21 – 25 August, 2000	Berlin, Germany, Siemens
TSG RAN#9	20 – 22 September, 2000	
IP UTRAN ad hoc #1	*27-29 September, 2000*	Swindon, UK, Motorola
WG3#16	16 – 20 October, 2000	Windsor, UK, Nortel, Motorola, BT, Vodafone
IP UTRAN ad hoc #2	*6-8 November, 2000*	Paris, France, Alcatel
WG3#17	20 – 24 November, 2000	Chicago, US, Motorola
TSG RAN#10	*6-8 December, 2000*	
WG3#18	15-19 January, 2001	LIDINGÖ, Sweden, Ericsson
IP UTRAN ad hoc #3	*31 January – 2 February, 2001*	Stockholm, Sweden, Telia
QoS & Mod ad hoc #1	*6 – 8 February, 2001*	Tokyo, Japan, Japan Telecom
UP Iub/Iur Protocol aspects ad hoc #1	*12 – 13 February, 2001*	Helsinki, Finland, Nokia
WG3#19	26 Feb- 2 March, 2001	Cardiff, Lucent
TSG RAN#11	*13-16 March, 2001*	*Palm Springs, CA, USA*
WG3#20	2-6 April, 2001	*Beijing China, CWTS*
PCAP ad hoc #1	2-4 May, 2001	London, UK, Qualcomm
WG3#21	21 - 25 May, 2001	Pusan Korea, Samsung
TSG-RAN#12	*12 – 15 June, 2001*	*Stockholm, Sweden*
WG3#22	2-6 July, 2001	Sophia Antipolis, France, ETSI
WG3#23	27 – 31 August, 2001	Helsinki Finland, Nokia
TSG-RAN#13	*18 – 21 September 2001*	*Beijing China, Lucent Technologies, CWTS*
WG3#24	22 – 27 October, 2001	New York, USA, North America Friends
WG3#25	26 - 30 November, 2001	Makuhari, Japan, Fujitsu
TSG RAN#14	*11 - 14 December 2001*	*Tokyo, Japan, ARIB, TTC*

5.4 Prioritisation of work

The following prioritisation order applies for year 2001:

1. Ensure corrections to the R99 specifications. Target: good quality unambiguous specifications.
2. Ensure corrections to the R99 technical reports.
3. Ensure corrections to the Rel-4 specifications. Target: good quality unambiguous specifications.
4. Ensure corrections to the Rel-4 technical reports.
5. Ensure corrections to the Rel-5 specifications. Target: good quality unambiguous specifications.
6. Ensure corrections to the Rel-5 technical reports.
7. Work on agreed Rel-5 work items.
8. Discussion on potential additional Rel-5 work items.

5.5 Work Item code for R99, Rel-4 and Rel-5 procedure

The acronym for the Work Item (WI) that is associated with the Category "F" CR ('oldest' release) should be used for corrections.

1. If you fix an error in R99 with a Category "F" CR, you should fix the same mistake in the corresponding Rel-4 specification with a Category "A" CR. If applicable the same mistake in the corresponding Rel-5 specification should be fixed with a Category "A" CR. All should bear the same WI code. Use the most appropriate WI code from the list. There were no WI codes in RAN for R99 and a WI code is needed, regardless of release. In many cases, this will be simply "TEI" (technical enhancements and improvements) if nothing better can be found.

2. For a Rel-5 Category "A" CR associated with a Rel-4 Category "F" CR the acronym for the Rel-4 WI code should be used for the Rel-5 CR. Both should bear the same WI code. Use the most appropriate WI code from the list. Simply use "TEI" (technical enhancements and improvements) if nothing better can be found.

6 Release 99 Work

The work remaining for R99 is listed per TS / TR below. The current version of the document is indicated as well.

6.1 Radio network layer specifications, General

25.401 UTRAN Overall Description, v3.6.0
Rapporteur: Jean-Marie Calmel, Nortel
Open issues: None

25.402 Synchronisation in UTRAN, stage 2, v3.5.0
Rapporteur: Thomas Ulrich, Siemens
Open issues: None

6.2 Radio network layer specifications, Iu

25.410 UTRAN Iu Interface: General Aspects and Principles, v3.3.0
Rapporteur: Richard Townend, BT
Open issues: None

25.413 UTRAN Iu interface RANAP signalling, v3.5.0
Rapporteur: Olivier Guyot, Nokia
Open issues: None

25.415 UTRAN Iu interface user plane protocols, v3.6.0
Rapporteur: Martin Israelsson, Ericsson
Open issues: None

25.419 UTRAN Iu interface: Service Area Broadcast Protocol SABP, v3.4.0

Rapporteur: Brendan McWilliams, Vodafone
Open issues: None

29.108 Application of the Radio Access Network Application Part (RANAP) on the E-interface, v3.1.0
Rapporteur: Alexander Vesely, Siemens
Open issue: None

6.3 Radio network layer specifications, Iur/Iub

25.420 UTRAN Iur Interface: General Aspects and Principles, v3.3.0
Rapporteur: Babul Miah, Lucent
Open issues: None

25.430 UTRAN Iub Interface: General Aspects and Principles, v3.5.0
Rapporteur: Mick Wilson, Fujitsu
Open issues: None

25.423 UTRAN Iur interface RNSAP signalling, v3.5.0
Rapporteur: Shahrokh Amirijoo, Ericsson
Open issues: None

Solved issue:
- Cell reserved for operator use.

25.433 UTRAN Iub interface NBAP signalling, v3.5.0
Rapporteur: Sungho Choi, Samsung
Open issues: None

Issues common for 25.423 and 25.433:
Open issues: None

Solved issues:
- Where to put power-balancing formulas? R3#22: No move of specification text is expected anylonger.

25.425 UTRAN Iur interface user plane protocols for CCH data streams, v3.4.0
Rapporteur: Nicolas Drevon, Alcatel
Open issues: None

25.435 UTRAN Iub interface user plane protocols for CCH data streams, v3.6.0
Rapporteur: Jean-Marie Calmel, Nortel
Open issues: None

25.427 UTRAN Iur and Iub interface user plane protocols for DCH data streams, v3.6.0
Rapporteur: Woonhee Hwang, Nokia
Open issues: None

6.4 Transport layer specifications

25.411 UTRAN Iu interface Layer 1, v3.4.0
Rapporteur: Achim von Brandt, Siemens
Open issues: None

25.421 UTRAN Iur interface Layer 1, v3.1.0
Rapporteur: Achim von Brandt, Siemens
Open issues: None

25.431 UTRAN Iub interface Layer 1, v3.1.0
Rapporteur: Achim von Brandt, Siemens

Open issues: None

25.412 UTRAN Iu interface signalling transport, v3.6.0
Rapporteur: Cheng-Hock Ng, NEC
Open issues: None

25.422 UTRAN Iur interface signalling transport, v3.5.0
Rapporteur: Babul Miah, Lucent
Open issues: None

25.432 UTRAN Iub interface signalling transport, v3.1.0
Rapporteur: Mick Wilson, Fujitsu
Open issues: None

25.414 UTRAN Iu interface data transport & transport signalling, v3.7.0
Rapporteur: Martin Israelsson, Ericsson
Open issues: None

25.424 UTRAN Iur interface data transport & transport signalling for CCH data streams, v3.6.0
Rapporteur: Nicolas Drevon, Alcatel
Open issues: None

25.434 UTRAN Iub interface data transport & transport signalling for CCH data streams, v3.5.0
Rapporteur: Hakan Persson, Telia
Open issues: None

25.426 UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams, v3.6.0
Rapporteur: Sami Kekki, Nokia
Open issue: None

25.442 UTRAN Implementations specific O&M transport, v3.1.0
Rapporteur: Tim Frost, Vodafone Group
Open issues: None

6.5 Technical reports

25.931 UTRAN Functions, examples on signalling procedures, v3.3.0
Rapporteur: Francesco Casalino, TELECOM ITALIA
Open issues: None

25.832 Manifestations of handover and SRNS relocation, v3.0.0
Rapporteur: Richard Townsend, BT
Open issues: None

25.831 TSG RAN WG3 Study Items for Future Releases, v0.0.2
This TR is dormant.

30.531 TSG RAN WG3 Work Plan and Study Items, v0.8.9
Rapporteur: Carolyn Taylor, ETSI (MCC)
Updated based on TSG RAN WG3 meeting #23.

25.853 Delay budget in the Access Stratum, v3.1.0

Rapporteur: Achim von Brandt, Siemens
Open issues: None

7 Release 4 Work

Milestones and deliverables for each Work/Study Item are presented in the Work/Study Item descriptions. RAN3 has decided to create a TR for each Work/Study Item, in order to:

1. Facilitate agreement of requirements and principles before entering detailed solutions, and
2. Have a placeholder for agreed specification text, until the Release 4 CRs are to be presented.

7.1 Work/Study Items agreed by TSG-RAN

7.1.1 Release 4, Iu related work/study items agreed by TSG RAN

Agreed work/study items:

- PS-domain handover for real-time services, 25.936
  - Status: This work item was completed at TSG RAN#11.
- RAB support enhancements, 25.852
  - Status: This work item was postponed until Rel-5.
- RAB QoS negotiation, 25.946
  - Status: This work item was completed at TSG RAN#11.
- TrFO/TFO, 25.953
  - Status: This work item was completed at TSG RAN#11.
- RAB Quality of Service Re-negotiation over Iu, 25.851
  - Status: This work item was completed at TSG RAN#11.
- RAB Quality of Service Negotiation over Iu during relocation
  - Status: This work item was completed at TSG RAN#11.

7.1.2 Release 4, Iur/Iub related work/study items agreed by TSG RAN

Agreed work/study items:

- UE positioning in UTRAN Iub/Iur protocol aspects, 25.850
  - Status: This work item was completed at TSG RAN#11.
- Low chiprate TDD option, 25.937
  - Status: This work item was completed at TSG RAN#11.
- Improved support of inter-frequency/system measurements
  - Status: No activity. This was postponed until Rel-5.
- RRM optimisation, 25.935:
  1. RRM optimisation: Congestion handling of DCH
     - Status: This was completed at TSG RAN#11.
  2. RRM optimisation: Procedure parallelism on Iub/Iur
     - Status: This was finalised without specification impact.
  3. RRM optimisation: DPC Rate Reduction in soft handover
     - Status: This was completed at TSG RAN#11.

4. RRM optimisation: Introduction of common measurements over Iur for neighbouring cell load measurements

   - Status: This was completed at TSG RAN#11.

5. RRM optimisation: Extension of Radio Interface Parameters updating in the user plane

   - Status: This was finalised without specification impact.

6. RRM optimisation: Separation of resource reservation and radio link activation

   - Status: This was not finalized. It was proposed to handle this in a separate WI-sheet for Rel-5.

7. RRM optimisation: Triggering of common transport channel resources initiation procedure by DRNC

   - Status: This was finalised without specification impact.

- Hybrid ARQ (WG2 leading), 25.837
  - Status: This was postponed until Rel-5.
- Support for multiple CCTrCHs
  - Status: No activity. This was postponed until Rel-5.
- Node B synchronisation for TDD, 25.838
  - Status: This work item was completed at TSG RAN#11.
- Terminal power saving features, 25.938
  - Status: This work item was postponed until Rel-5.
- Improved common DL channel for CELL_FACH state
  - Status: No activity. This was postponed until Rel-5.
- Candidate enhancements for RL performance (R1 leading)
  - Status: No activity. This was postponed until Rel-5.
- USTS (R1 leading), 25.839
  - Status: This study item was postponed until TSG RAN#12.
- Highspeed DL packet access study
  - Status: No activity. This was postponed until Rel-5.

7.1.3 Release 4, UTRAN-wide TSG RAN approved work/study items

Agreed work/study items:

- QoS optimisation for AAL2 connections (Q.2630 CS2), 25.934
  - Status: This work item was completed at TSG RAN#11.
- IP transport in UTRAN, 25.933
  - Status: This work item was postponed until Rel-5.
- Migration to Modification Procedure, 25.954
  - Status: This work item was completed at TSG RAN#11.

8 Release 5 Work

Milestones and deliverables for each Work/Study Item are presented in the Work/Study Item descriptions. RAN3 has decided to create a TR for each Work/Study Item, in order to:

1. Facilitate agreement of requirements and principles before entering detailed solutions, and
2. Have a placeholder for agreed specification text, until the Release 5 CRs are to be presented.

8.1 Work/study Items agreed by TSG-RAN

8.1.1 Release 5, Iu related work/study items agreed by TSG RAN

Agreed work/study items:

- RAB support enhancement, 25.852, Leading WG RAN2
  - Status: No activity
- RAN work for Intra Domain Connection of RAN Nodes to Multiple CN Nodes, "Iu flex", 25.875, Leading WG RAN3
  - Status: No activity has been done since RAN#12.

8.1.2 Release 5, Iur/Iub related work/study items agreed by TSG RAN

Agreed work/study items:

- Open interface between the SMLC and the SRNC within the UTRAN to support Rel-4 positioning methods , R3.001, Leading WG RAN2
  - No activity.
- Open interface between the SMLC and the SRNC within the UTRAN to support A-GPS positioning methods (PCAP), R3.008, Leading WG RAN2
  - Status: TS 25.452 v2.0.0 has been submitted to TSG RAN#13 for approval. It is suggested that RAN2/RAN3 proposes to the RAN plenary to close the work item upon the approval of the transport layer specification.
- Gated DPCCH Transmission, 25.938, Leading WG RAN1
  - Status: Proposal of the Rapporteur was to stop the work on 25.938 since RAN discontinues the WI on "gated transmission". RAN accepted a new TR on Terminal Power Saving feature. It is proposed that a new TR should be started in RAN3 if any solution comes forward from RAN1/RAN2. The last approved version of TR25.938 (v2.0.0) will be kept for “not loosing the information”.
- Hybrid ARQ, Leading WG RAN2
  - Status: No activity
- Node B Synchronisation for 1.28 Mcps TDD, R3.004, Leading WG RAN1
  - Status: The document describing the specification impact and associated change requests of the Node B Synchronization for 1.28 Mcps TDD has not yet been presented due to lack of time. The current version of this WG3 internal TR is v 0.2.0.
- UE positioning enhancements for 1.28 Mcps TDD, R3.003, Leading WG RAN2
  - Status: Several contributions were presented in RAN WG3#23 meeting in Helsinki, describing the UTRAN UE positioning architecture and the use of Cell ID based positioning, OTDOA based positioning and network-assisted GPS for 1.28 Mcps TDD. Furthermore, angle of arrival enhanced positioning was introduced. RAN WG3 meeting #23 has approved these documents. A liaison statement will be sent to

RAN2 and copy to RAN1 and RAN4 in order to inform them about the status of the work item in RAN3 and to confirm the feasibility of the AOA measurement support on Iub and Iur. The current version of this WG3 internal TR is v 0.2.0.

- Enhancement on the DSCH hard split mode, R3.005, Leading WG RAN1
  - Status: At the RAN3#23, it was agreed that RAN3 would have internal TR (TR R3-005) for the WI "Enhancement on the DSCH hard split mode" and the internal TR R3-005 was updated as v0.2.0.
- Iur Common Transport Channel Efficiency Optimisation; R3.002, Leading WG RAN3
  - Status: At RAN3 #23 an R3 internal technical report R3.002 was agreed as version 0.1.0. A contribution was presented and agreed to be included in the technical report. The contribution proposes and drafts an RNSAP CR as a solution to the assignment of the WI.
- Improved support of inter-frequency/system measurements, R3.006 Leading WG RAN1
  - Status: No activity.
- Improved usage of downlink resources in FDD for CCTrCHs of dedicated type, R3-007, Leading WG RAN2
  - Status: No activity.
- Improved common DL channel for CELL_FACH state, R3-009. Leading WG RAN2
  - Status: No activity.
- High Speed Downlink Packet Access (HSDPA) - Iub/Iur Protocol Aspects, 25.887, Leading WG RAN3
  - Status: RAN WG3 has created version 0.1.0 of TR 25.877 “High Speed Downlink Packet Access: Iub/Iur protocol aspects”. Currently the contents of this TR include proposed study areas for HSDPA for the Iub and Iur interfaces. RAN WG3 has held a joint ad hoc with RAN WG2 in Helsinki, Finland during RAN3#23 to discuss the overall scope and architecture of HSDPA and to also discuss joint issues between the two groups. Within RAN WG3, the issue of flow control over the Iub has been discussed with agreement to include this issue within the RAN3 TR.
- RL Timing Adjustment, 25.878, Leading WG RAN3
  - Status: At RAN3 #22 a contribution outlining the background of the issue and suggesting possible solutions was presented and approved. The content of the contribution was included in the technical report 25.878 RAN3 study areas’ subclause.

    During RAN3 #23, two proposals were discussed with regards to the mechanism to adopt to adjust the timing of a RL when one radio link is shifting out from the UE reception window in soho scenarios. However no agreement was reached and it was felt necessary to liase RAN1 and RAN2 on the issues. RAN3 is currently waiting feedback from the liased working groups, so that the work can be brought to completion in due time consistently for both working groups.

    Technical report 25.878 was agreed as version 0.2.0 at RAN3 #23 Iub/Iur SWG..
- Re-arrangements of Iub transport bearers, 25.880, Leading WG RAN3
  - Status: TR25.880 Re-arrangement of Iub Transport Bearers v. 0.1.0, rapporteurs update was presented during the RAN WG3#23 meeting and noted.
- Separation of resource reservation and radio link activation, 25.879, Leading WG RAN3
  - Status: During RAN3#22, a quite complete proposal was agreed to be included in the TR on how the delayed activation could work when the reserved resources remain tied to a certain UE context.

    At RAN3#23 the technical report 25.879 was presented and approved as version 0.2.0. In addition, further input was agreed on an outline of a possible approach for scenarios where the reserved resources are not tied to a specific UE context. It was decided that the proposed text could be included in the TR, but a note should be added that further study should be done regarding the details of the different parameters and the different scenarios.

- Iur Neighbouring cell reporting efficiency optimisation, 25.884, Leading WG RAN3

  - Status: The technical report for the Work Item 'Iur Neighbouring Cell Reporting Efficiency Optimisation" was presented as version 0.0.1 at RAN3 #23 Iub/Iur SWG and was approved as version 0.1.0.

- USTS (Iur/Iub aspects), 25.839, Leading WG RAN1

  - Status: In the last several meetings, USTS feasibility study has been done sufficiently in point of WG3. As a result, it was concluded that USTS is feasible.

- Improvement of Radio Resource Management across RNS and RNS/BSS, 25.881, Leading WG RAN3

  - Status: During previous two TSG RAN WG3 meeting #22 and #23, the discussion of: "Improvement of RRM across RNS and RNS/BSS" has been done intensively and most of the contents of TR(25.881) were filled up.

    At the TSG RAN WG3 #23 meeting, alternative approach and simulation result, which showed the benefit of the CRRM functionality, were included in TR 25.881 chapter 6 Study area and TR 25.881 v0.2.0 was approved.

8.1.3 Release 5, UTRAN-wide TSG RAN approved work/study items

Agreed work/study items:

- IP Transport in UTRAN, TR25.933, Leading WG RAN3

  - Status: Most of study areas are almost complete, but there are still a number of remaining agreements to make. TR 25.933 v1.4.0 is presented to TSG-RAN for information. It is proposed to continue the work on this work item for inclusion in the release 5 specifications.

- Direct Transport Bearers Between SRNC and Node-B, 25.883, Leading WG RAN3

  - Status: In RAN3 #23 it was approved as an initial version 0.1.0.

- SRNS relocation enhancement, R3.010, Leading WG RAN3

- Status: TR R3.010 SRNS relocation enhancement version 0.0.1 rapporteurs update, according to RAN WG3#22 conclusions, was presented during the RAN WG3#23 meeting, noted and raised to version 0.1.0.

  However, due to lack of time, no contribution was treated during RAN WG3#23.

Annex A:
Change history

Document history		
Edition x	<MMMM yyyy>	Publication as <old doctype> <old docnumber>
0.9.2	September 2001	Made modifications according to TSG RAN WG3 meeting #23.
0.9.1	August 2001	Made modifications according to TSG RAN WG3 meeting #22
0.9.0	June 2001	Made modifications according to TSG RAN WG3 meeting #21.
0.8.9	May 2001	Made modifications according to TSG RAN#11 and RAN WG3 meeting #20.
0.8.8	March 2001	Made modifications according to RAN WG3 meeting #19.
0.8.7	February 2001	Made modifications based on tdoc R3-010166. Made modifications according to RAN WG3 meeting #18.
0.8.6	December 2000	Made modifications based on comments.
0.8.5	November 2000	Made modifications according to RAN WG3 meeting #17.
0.8.4	November 2000	Ch 5.3: meeting schedule updated; Ch 6.3: updated open issues list according to R3 #16; Ch 6.5: updated open issues list according to R3#16; Ch 7.1.1: updated R00 work items according to R3#16; Ch 7.1.2: updated R00 work items according to R3#16.
0.8.3	October 2000	Updated according to TSG RAN#9.
0.8.2	September 2000	Updated Ch. 6.1 the rapporteur information. In 7.1.2 deleted "Incorporation of narrowband TDD mode".
0.8.1	August 2000	Updated according to TSG RAN#8.
0.8.0	June 2000	Editorial corrections
0.7.1	March 2000	Ch.6.1: open issue list updated; ch. 8: open issues lists updated according to R3 chairman's status report to RAN#7.
0.7.0	March 2000	Approved v.0.6.1 at R3#11.
0.6.1	February 2000	Ch. 8: I3.05 deleted, 25.414 and 25.415 editor changed, 25.419 added; open issues solved at R3#10 deleted.
0.6.0	February 2000	Ch. 5.3: meeting schedule updated
0.5.1	January 2000	Ch. 4.1: editorial; 5.1: 25.402 added, resp. of 25.410/20/30 moved to SWGs; ch. 5.3: meeting schedule added; new ch. 5.4 'Priority of work' added; ch. 6 'Contents and prioritisation in R99' and ch. 7 'Contents and prioritisation in R00' updated according to agreements at RAN#7; ch. 8 'Milestones' – spec. revisions and open issue lists updated acc. to RP(99)611, spec. approval date -> 'approved', sub-rows for 'features under study (sections)' deleted; ch. 9 'Study Items' updated, deleted SIs covered in spec. OI-list ch. 8;
0.5.0	December 1999	TS versions for specifications sent to TSG RAN#6 for approval updated to reflect the version agreed at R3#9. Otherwise the same as v.0.4.1.

0.4.1	November 1999	• Ch. 6.3 'Features/functions for RAN#7 split into two subchapters 6.3.1 'Features/functions proposed by R3' and 6.3.2 'Features/functions agreed by TSG-RAN'. • New ch. 7 'Contents and Prioritisation in Release 00' created. • Features/functions deferred to RAN#7 at R3#8 (Abiko) listed in ch. 6.3.1 (ref. Iub/Iur SWG report g09) • Ch. 8 'Milestones': TS versions stepped. • Ch. 9 'Study items' updated (old Iu SWG study items closed. SI: Iu Time Alignment added).
0.4.0	November 1999	V.0.3.2 approved by R3#8 (Abiko). 25.402 version corrected to v.0.0.1.
0.3.2	October 1999	V.0.3.1 submitted to RAN #5. V.0.3.2 reflects decisions at RAN #5. TS versions updated; list of open issues in TSs added in ch. 6 (Milestones); new TS 25.402 'Synchronisation in UTRAN, stage 2' added; new ch. 6 'Contents and Prioritisation in Release 99'.
0.3.1	September 1999	Spec. versions updated in ch. 6. SI-list updated.
0.3.0	August 1999	Study items from WG3#6 in Sophia Antipolis added. Version stepped.
0.2.1	July 1999	Ch. 6: milestones for xxxAP and user plane specifications updated according to agreements in Helsinki. Ch. 7.1: SI-ARC/1 closed; ch. 7.2: New study items added.
0.2.0	July 1999	Updated according to comments at WG3#5 in Helsinki.
0.1.2	June 1999	Updated according to comments at WG3#4 in Warwick.
0.1.1	May 1999	Updated according to comments at WG3#3 in Kawasaki.
0.1.0	April 1999	Version stepped, otherwise same as 0.0.3.
0.0.3	April 1999	Table of work plan with milestones updated according to TSG#2 RP(99)157 as agreed at TSG RAN #2 in Florida.
0.0.2	Mar 1999	Updated according to comments and changes made at WG3#2 in Nynäshamn, Sweden.
0.0.1	Feb 1999	First draft

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