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Technical Report

3rd Generation Partnership Project;
Technical Specification Group RAN;
UMTS 30.531 WG3 Work Plan and Study Items
(Release 1999)

Keywords

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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	15 – 19 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. Work on agreed Rel-5 work items.
6. 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:

- Cell reserved for operator use. The liaison from RAN WG2 was briefly discussed but no conclusion was reached.

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:

- Where to put power-balancing formulas? Did RAN1 take this action? Should RAN WG3 update/remove their formulas?

Solved issues:

- Removed group name entry in tabular format if only one repetition exists.

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

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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 #20.

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, 25.875, Leading WG RAN3
  - Status: Thus far, minimal progress has been made on this Technical report within RAN WG3, and the TR itself is little more than a 'skeleton' document with text added only within the sections: Scope, Task Description and 'Rationale for NNSF'. These additions are little more than enhancements of the textual description used within the Work Item Description (WID). This TR 25.875 is v0.0.2.

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 (PCAP), Leading WG RAN2
  - Status: TS 25.450, 25.451 and 25.453 will be submitted to TSG RAN#12 for approval.
- Gated DPCCH Transmission, 25.938, Leading WG RAN1
  - Status: TR 25.938 was updated to v2.1.0 [1]. The changes were:
    - The WI title is changed from "Terminal Power Saving Features (Iur/Iub aspects)" to "Gated DPCCH Transmission (Iur/Iub aspects).
    - "Gated DPCCH Transmission" replaces the words "Terminal Power Saving Features".
    - Rel4 is replace by Rel5.
    - Section 8.1.4 Impact on 9.1.24 UPLINK SIGNALLING TRANSFER INDICATION (FDD) message is add based on the approval of CR.
    - Some editorial change is added.

    User plane signalling of gating was proposed as alternative solution for initiation and termination and it was concluded "Using user plane signalling seems an acceptable solution". The proposed text proposal for user plane signalling will be added in TR 25.938 at next meeting.
- Hybrid ARQ, Leading WG RAN2

- Status: No activity

- Separation of resource reservation and radio link activation, Leading WG RAN3

  - Status: The work on this Work Item has started. TR v0.1.0. has been approved, including the progress that was made for Release 4 on this work task.

- Node B Synchronisation for 1.28 Mcps TDD, Leading WG RAN1

  - Status: At TSG RAN WG3 #21, (May 2001), a Technical Report "Node B synchronisation for 1.28 Mcps TDD - Iub/Iur aspects)" has been started and approved as version 0.1.0 in R3-011794. This TR is considered an internal TR of WG3, to summarise the Iub/Iur aspects of the WI. The leading Working Group of this WI, i.e. WG1, will be regularly informed about the progress of the work in WG3 and the WG3 TR will, after approval by RAN WG3, be sent to the leading WG (WG1) for inclusion of the contents into the suitable sections of the respective TR of the leading WG, as far as applicable. Currently, the TR includes the scope and the outline only. Contributions for the TR are expected for the future RAN WG3 meetings. This will be done in close cooperation with the other RAN WGs.

- UE positioning enhancements for 1.28 Mcps TDD, Leading WG RAN2

  - Status: At TSG RAN WG3 #21 (May 2001), a Technical Report "UE positioning enhancements for 1.28 Mcps TDD - Iub/Iur aspects)" has been started and approved as version 0.1.0 in R3-011793. This TR is considered an internal TR of WG3, to summarise the Iub/Iur aspects of the WI. The leading Working Group of this WI, i.e. WG2, will be regularly informed about the progress of the work in WG3 and the WG3 TR will, after approval by RAN WG3, be sent to the leading WG (WG2) for inclusion of the contents into the suitable sections of the respective TR of the leading WG, as far as applicable. Currently, the TR includes the scope and the outline only. Contributions for the TR are expected for the future RAN WG3 meetings. This will be done in close cooperation with the other RAN WGs.

- Enhancement on the DSCH hard split mode, Leading WG RAN1

  - Status: A skeleton TR for the WI "Enhancement on the DSCH hard split mode" was approved [1].

- High Speed Downlink Packet Access (HSDPA) - Iub/Iur Protocol Aspects, Leading WG RAN3

  - Status: Some initial contributions have been discussed at the moment in RAN WG3. It was proposed and agreed to have a joint RAN WG2/RAN WG3 Ad Hoc meeting at next RAN WG3 #23 meeting, to discuss aspects of HSDPA.

- RL Timing Adjustment, Leading WG RAN3

  - Status: The technical report for the Work Item 'Radio Link Timing Adjustment' was presented as version 0.0.1 at RAN3 #21 Iub/Iur SWG and was agreed as version 0.1.0. No other contributions for this Work Item were submitted and work is currently ongoing.

- Traffic Termination Point Swapping, Leading WG RAN3

  - Status: This TR, Re-arrangement of Iub Transport Bearers (former title was Traffic Termination Point Swapping) v.0.0.2, was presented in TSG RAN WG3#21 for approval. In the presented draft proposal of the TR, the scope of the TR, introduction part and requirements were defined and open study areas were identified.

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

  - Status: In RAN WG3#21 meeting, TR 25.839 v0.2.0 was approved and the impacts of USTS on WG3 Specifications were discussed. And these impacts will be added in TR 25.839 in next meeting. In the last several meetings, the feasibility study of USTS has been done sufficiently in the point of WG3. As a result of the studies, it is concluded that USTS is feasible given a low mobility environment. Therefore, we propose that this study item be changed to Work Item of Release 5.

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

  - Status: At TSG RAN WG3 #21, the discussion of: "Improvement of RRM across RNS and RNS/BSS" has been started but because of the shortage of time there was almost no progress and SI sheet had not been discussed. To review the scope of SI sheet as 3GPP TSG RAN requested to TSG RAN WG3, the email

discussion has been done and the SI sheet was revised to more general. At TSG RAN WG3 #21, TR v0.0.2 (R3-011463) was approved and TR contains outline.

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 v1.1.0 is presented to TSG-RAN#12 for information. It is proposed to continue the work on this work item for inclusion in the release 5 specifications.

Annex A:
Change history

Document history		
Edition x	<MMMM yyyy>	Publication as <old doctype> <old docnumber>
0.9.0	June 2001	Made modifications according to TSG RAN#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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Presentation of Specification to TSG or WG

Presentation to:	**TSG-RAN Meeting #12**
Document for presentation:	**TR 30.531 Version 0.9.0**
Presented for:	**Information**

Abstract of document:
The present document constitutes the UMTS 30.531 WG3 Work Plan and Study.

Changes since last presentation to TSG-RAN Meeting #11:
Editorial changes. Modifications based on decisions at TSG RANWG3 meeting #20 and #21.

Outstanding Issues:
None

Contentious Issues:
None