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Düsseldorf, Germany, 21 - 23 June, 2000

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1 Opening of the meeting

The Chairman, Mr. Niels Peter Skov Andersen, welcomed delegates to the meeting. Mr. Miguel Menchén Alumbrosos, *Director General de Internet Móviles* gave an opening address, welcoming everybody to Madrid for this important meeting. He mentioned that the meeting coincided with the announcement that *Telefónica Móviles* had been granted a UMTS licence in Spain. *Telefónica Móviles* was the first mobile operator in Spain and currently had more than 10M customers. He wished TSG SA a very successful meeting.

The Chairman stated that the main target of the meeting was to identify the Release 1999 complete specification set and functional capabilities. We would then move into a maintenance and correction phase for Release 1999 and care needs to be taken over the changes that are introduced in order to maintain the stability of the system. Discipline in proposing changes to Release 1999 will need to be practised to avoid unintentional modifications to features. The Open Issues list for Release 99 would be discussed and it was hoped that most of the items were complete and the Project could concentrate on Release 2000 work. The results of the All-IP workshop, held in Nice in February 2000 would also be presented at the meeting.

The way forward for the definition of Release 2000 needed also to be elaborated at this meeting and Project management needs to be addressed.

2 Approval of the Agenda

The draft agenda, contained in [TD SP-000001](#) was **approved** without modification.

3 Approval of the meeting report of TSG SA Meeting # 6

The draft Report version, 0.0.4, contained in [TD SP-000002](#) including the comments received during the e-mail review period was **approved**.

4 Letters / Reports from other groups

[TD SP-000029](#) Report of the All-IP workshop. This was presented for information and noted.

[TD SP-000030](#) Output agreements reached at the All-IP meeting.

A large number of presentations were received at the workshop and many visions given. From these, the workshop tried to extract common elements to give a high level guideline of what 3GPP want to achieve in 3GPP. The TSG SA Chairman (who also chaired the All-IP workshop) presented the slides to TSG SA.

Some important agreements included that the security needs to be at least as good as state-of-the-art 2G networks and for the development of hybrid CS/PS networks in the first stages. Issues that need to be resolved include:

- Which Mobility Management model(s)
- Which Call Control model (H. 323, SIP, H248, ... ?)
- Study enhancement to GTP tunneling to harmonise with mobile IP and IPv6 mobility
- IP version to use – IPv6 ?
- How to migrate to IPv6 ?
- Where to use IP transport ? (Core network, lu interface, UTRAN, Uu Interface)
- Requirements for naming and addressing

The report was noted and TSG SA will keep consider this when looking at the work coming from the different groups on All-IP issues.

4.1 TSG T, TSG CN, TSG RAN

(Only items directly relevant for TSG SAs internal work. Other issues agenda item 6)

[TD SP-000008](#): Liaison Statement from RAN WG2 on UE radio access capabilities and relation to conformance testing. This liaison was presented by the SA Chairman, and some discussion on the meaning of the third bullet concluded that the designs should be made in accordance with the core specifications and not only to Conformance Test Specification, which one interpretation of the last bullet could be. The Chairman undertook to draft a reply to RAN WG2 to this effect. The first two bullets were noted by SA as they are under the group responsible for the system being tested (RAN or CN). The reply was produced in [TD SP-000142](#).

[TD SP-000142](#). Response to the liaison from RAN2 on UE radio access capabilities and relation to conformance testing. This clarifies the view that equipment designs should be done to the core specifications, and not to the test specification. The liaison was **approved** for transmission to RAN WG2.

[TD SP-000003](#): Liaison Statement from RAN WG4 on handover signalling robustness. This was provided to SA in copy. Delegates were asked to study the issues addressed in the liaison, which was noted by TSG SA.

[TD SP-000009](#): Response to Liaison Statement from RAN WG4 to SA WG1 on SoLSA support on UTRAN. This was provided to SA in copy. Delegates were asked to study the issues addressed in the liaison, which was noted by TSG SA.

4.2 Partners and their bodies

[TD SP-000004](#): Liaison Statement from ETSI SMG2 on twinkling replacement antennas. This was presented for information and was noted.

[TD SP-000040](#): GSMA ISG activity on Typical Radio Parameter sets. ISG is the ITU IMT-2000 Steering Group. This was provided for information and presented. It concluded by strongly recommending that the 3GPP testing specifications are produced assuming that operators will use mainly the parameters in

[TD SP-000041](#): (Typical Radio Parameter Sets Document submission) , i.e. the parameters of test cases should be chosen based on the operators' typical radio parameter sets. Interested parties were asked to participate in the drafting of the reply to [TD SP-000008](#) (see above) to ensure that these recommendations were taken into account. The documents were then noted.

[TD SP-000074](#): Standardization of an All-IP Network. This liaison was noted. It was also noted that SA WG1 are dealing with the details of the requirements.

[TD SP-000124](#): UMTS Forum focus for year 2000 and beyond: Extended vision. This was introduced by the UMTS Forum 3GPP Co-ordination Group Chairperson. This presentation describes the new focus of the UMTS Forum, the definition of a personal network concept with mobile multimedia services and applications, combining the evolution of existing and emerging services to provide a viable platform beyond 2005. The presentation was noted.

4.3 Others

[TD SP-000007](#): ITU-T Recommendation Q.1701 (High level definition document for IMT 2000). This was noted.

5 Reports from TSG SA Working Groups

5.1 TSG SA WG1

5.1.1 Report and questions for advice from TSG-SA WG1

[TD SP-000051](#): Report from SA WG1, with presentation slides given in [TD SP-000052](#). Tommi Kokkola, a SA WG1 Vice Chairman presented the report. Discussion is reported below. The report was noted.

Release 2000 issues:

TD SP-000032: Release 2000 Services and Capabilities. This contribution was introduced by BT. It proposed to ask SA WG1 make the completion of TR 22.976 their top priority and given maximum visibility within the TSGs during it's development. TSG SA were asked to find an appropriate mechanism to achieve this. This is in line with the discussions on [TD SP-000051](#) to ask SA WG1 to complete the requirements in good time for other groups' work planning and completion. TSG SA stressed that the work on TR 22.976 should be given priority by SA WG1, however completion of Release 1999 work is also very important, especially if other groups are dependent of SA WG1s work. SA WG1 are asked to meet sufficiently often and allocate enough time to complete their work in good time, and companies are asked to ensure that good support to progress the work is provided. The stable version should be sent to other groups as soon as it is considered ready for presenting to TSG SA for approval (i.e. as soon as it is ready for approval, not after it is approved).

TD SP-000031: Future work of SA WG1 on Release 2000. This contribution, from BT. This proposes that SA WG1 is requested to focus its future work upon at least the categories listed in the document for Release 2000. This includes naming and addressing, which has not been addressed in 3GPP to any great extent. It was decided to note that SA WG1 should give priority to important items where the work of other groups is highly dependent upon their work. It was agreed that information should be disseminated on the progress and priorities of the work of groups, to ensure that priorities can be matched to the urgency for stable requirements in other groups.

It was concluded that it is import to give priority where other groups need the requirements urgently. For explicit items listed in [TD SP-000031](#), it would depend of contributions to the WG meetings. Information should be regularly disseminated on the priorities/time scales within SA WG1. Contributions to SA WG1 prioritization session at their next meeting was encouraged.

[See also TD SP-000073, under "Approval of Specifications and Reports".](#)

5.1.2 Review of TSG-SA WG1's completion of Release 1999

TD SP-000050: Status of VHE/OSA. Siemens support the work on VHE and would like it to be in Release 1999 but ask that SA WG1 be tasked to align the Stage 1 to the Stages 2 and 3 for this feature. It was agreed that SA WG1 would need to make corrections to align the Stage 1, which is not a change in functionality, and these corrections can be added via CRs. This was accepted as a practical way forward by Siemens. (See also discussion of [TD SP-000095](#) under agenda item 5.2).

It was noted that Stage 1 documents may generally need corrections when the Stages 2 and 3 are completed. Such alignment corrections are not considered as functional modifications to the system.

SA WG1 is tasked to review if their specifications cover the general assumptions of the Execution Environment workshop.

5.1.3 Approval of contributions from TSG SA WG1

Approval of CRs

The status of the approval of CRs from SA WG1 are given in Annex E, section E.1. The reported discussion is only for any CRs which were not approved or approved with important comments.

(Approved CRs in TDs 53, 54, 55, 56, 57, **58**, 59, **60**, 61, **62**, **123**, 63, 64, 65, 66, 67, 68, 69, 70, **71**)

TD SP-000058 CRs to 22.038. CR001 was **approved**.

CR002 was discussed and a request that the technical requirements should not be included in this specification, but should be placed into the relevant specifications, which should be considered by TSG T. It was decided to try to modify this CR during the meeting, and to present a revised version for approval later in the meeting. The revised CR (001r1) was provided in [TD SP-000152](#) which was **approved**.

TD SP-000060 CRs to 02.07, 22.060 and 22.101 on support of GPRS Encryption. These CRs were **approved**, but the inclusion of full requirements of SA WG3 in the specifications needed to be verified. It was verified that the requirements for a ciphering indicator and the ability for a user to refuse a non-ciphered GPRS connection is not covered by these CRs (however, there are already existing requirements on ciphering indicator at 22.101). The requirements given by SA WG3 needs to be considered in terms of the inclusion of this in Release 1999.

[TD SP-000061](#) CRs to 02.66 (R98) and 22.066 (R99) on PCS-1900 Service Provider Number Portability. Some discussion over the Scope of this took place. It was clarified that the changes cover specific NP issues in North America, i.e. the CRs support only number portability for cases where a common numbering plan is used for fixed and mobile. A recommendation from TSG CN had been made to leave completion of SPNP open until June 2000. It was stated, that if this is not included in Release 1999, then North America would need a National Standard to cover the regulatory requirement. The CRs were then **approved** and the item included on the update of the Open Release 1999 items list. It was noted that the Category needs aligning between the CR cover sheets and the document cover sheet. It was noted that the use the term PCS-1900 is misleading, and it should be clarified by SA WG1 that these changes are specific for the requirements of North America Numbering Plan.

[TD SP-000062](#) CRs to 22.078. CR032, 033, 034 were approved. For CR035, an input from Alcatel was presented, giving the background of the discussion in [TD SP-000133](#) proposing the moving of User Interactions from CAMEL Phase 3 to CAMEL Phase 4. Accompanying CR036 in [TD SP-000123](#). All of these CRs were then **approved**.

[TD SP-000071](#): 22.003 CR003 and 22.060 CR011 were **approved**. 22.011 CR014 on Network Selection. Some discussion over the mechanism for periodic network selection attempts, if on a non-listed PLMN periodic searches are made for listed PLMNs. These CRs were **approved** after clarification that the search is activated only when in idle mode on a non-listed PLMN.

Approval of Specifications and Reports

[TD SP-000072](#): TR 21.905 version 2.0.0: Vocabulary, was presented for approval. This was **approved** and placed under TSG SA Change Control. It was noted that this document needs to be maintained continuously and input from all TSGs and WGs are expected.

[TD SP-000073](#): TR 22.976 version 1.0.0: Study on Release 2000 services and capabilities, was presented for information. SA WG1 were requested to arrange for the presentation of this document at the next SA WG2 joint meeting with TSG CN in Helsinki. TSG T WGs should also be provided with the information to ensure that TSG T is aware about requirements and expected capabilities. SA WG1 were asked to ensure that this is done before freezing the requirements at SA WG1, to allow possible feed-back and changes to be proposed.

It was requested that the document is actively liased to other groups to ensure timely feedback.

The TSG SA chairman reminded that it is necessary to complete SA WG1 requirements and requirements caused by SA WG2 architectural work by June to allow the progress of the work in other groups on stage 2 and 3. As this was the fulfilled with the current time plan from SA WG1, the TSG SA chairman requested that SA WG1 aims of fulfilling these time constraints.

The text of section 10 was questioned, as it states that 3GPP should take the main-stream IP-based multimedia standards, and not modify them in 3GPP. This was questioned if this would be the best way forward. It was clarified that there are many issues in the document, which are still under discussion and the spirit of this section is to be compatible with the IP specifications to promote access independence. This subject was further discussed under agenda item 6.6.

In the discussion also the value of the detailed technical considerations in the report was questioned and SA WG1 was encouraged not to try to gain time for the requirements part, by not involve itself into to detailed technical discussions. After these discussions, the document was noted. SA WG1 were asked to take into account the comments made during the discussion.

5.2 TSG SA WG2

5.2.1 Report and questions for advice from TSG-SA WG2

[TD SP-000083](#): Report from SA WG2, with presentation slides given in [TD SP-000082](#). This was presented by the SA WG2 Chairman, Teuvo Jarvela. Discussion is reported below and the report was noted.

Concerns over the definition of more domains were expressed (i.e. IM CN subsystem definition) and SA WG2 were asked to resolve the ambiguities and associated problems. The SA WG2 Chairman clarified these definitions were not yet for approval, and comments can be made to SA WG2.

5.2.2 Review of TSG-SA WG2's completion of Release 1999

TD SP-000095: SA WG2 reported that two requirements from SA WG1 are only partly supported in 23.127 v2.0.0: "Virtual Home Environment / Open Service Architecture" There is no support of GPRS Charging and SMS Charging at the OSA API, and user profile management via the OSA API is currently restricted to the retrieval of terminal capabilities. SA WG2 proposed that these features be postponed to Release 2000.

SA WG2 informed TSG SA that the focus has been on the open API from the network to applications for release 99, while the interface between OSA servers will be studied in the future releases.

SA WG2 therefore proposed a reduction in the scope of VHE/OSA for Release 1999, restricting it to the features in 23.127 v2.0.0. It was believed that the specification would be stable, if these requirements were left out for Release 1999.

There was some discussion on the acceptability of removing these features or whether the item should be moved to Release 2000. TSG CN considered that there would be a good possibility of completing the stage 2 in time for stage 3 completion by June 2000.

The decision on this was postponed to allow delegates to consider the consequences of the removal of these features. A proposal was then presented in [TD SP-000155](#).

TD SP-000155: Approval of OSA for R99. This contribution recommends a way forward: to approve the VHE/OSA Stage2 specification for Release 1999, as proposed by SA WG2, noting some of the open issues. It was agreed to **approve** [TD SP-000089](#) (23.127 v.2.0.0) and use this proposal as the way forward on OSA.

TD SP-000106: Proposed WI: Enable bearer independent CS network architecture. It was clarified that there are no identified service aspects. There were objections to the work item as it stood so it was decided to modify the term "network" to "transport network". A request to include the text "The study will comprise the evaluation of these new techniques" was made, it was decided that a study of technical solutions is implicit in work items and need not be explicitly included. The final and approved work item was issued in [TD SP-000149](#).

TD SP-000107: Proposed WI: An architecture for CC and roaming to support IP-based MM Services in UMTS. A WI to address the service aspects and a parent Feature WI also needs to be created by SA WG1. It was repeated, as for SA WG1, that the work from SA WG2 needs to be stable and near completion by June 2000 for Release 2000 work to be progressed within the overall timescale. The timescale for the WI therefore needs to be modified to achieve this goal. The wording of the description was discussed and it was decided to revise the contribution, which was later presented in [TD SP-000150](#) and was approved. It was noted that this is understood to cover an evolution towards All-IP and details need to be studied by SA WG1 (The Work Item was proposed as a Building Block under a Feature to be defined by SA WG1).

TD SP-000097 SA WG2 review of open issues for Release 1999 List. This document provided the results of the analysis of the open issues list within SA WG2. The review of SoLSA had not been completed, but SoLSA was already postponed to Release 2000. OSA was proposed for moving to Release 2000. It was noted that this list had been prepared on the assumption that all SA WG2 recommendations were approved by TSG SA and would be revised to take into account the decisions of TSG SA.

TD SP-000098, SP-000099, SP-000100 and SP-000101. Review of open issues on 23.002, 23.060, 23.107 and 23.101. There were no open issues identified on these specifications the documents were noted.

TD SP-000110: LS response to TIPHON WG5 on TIPHON QoS. This liaison was noted.

TD SP-000092: LS to SA (cc: CN, T, RAN) on Enhanced User Identity Confidentiality. This liaison recommends to delay EUIC to Release 2000. This was also recommended by TSG CN. It was **decided** that EUIC is **moved to Release 2000**. All relevant groups were asked to note this and take appropriate action.

TD SP-000093: LS to N1, S1 (cc: SA) on adaptation of 23.060 terminology with the N1 terminology agreement. This liaison was presented to TSG SA for information.

It was suggested that these terminology proposals are included in the SA WG1 vocabulary document. The liaison should also be sent to appropriate RAN WGs. The liaison was then noted.

[TD SP-000094](#): LS to SA, CN, T (cc: CN WG2, RAN WG3, SA WG4) on Transcoder Free Operation (TrFO) and Out of Band Transcoder Control (OoBTc) for Release 1999. This proposes to move the TrFO/OoBTc feature to Release 2000.

DoCoMo expressed disappointment over the proposal to move the work to Release 2000 and requested that SA WG2 produce a detailed work plan to identify when the work can be completed. SA WG2 had proposed to hold a workshop to plan the work.

The Chairman clarified that when all the relevant work is approved for a Work Item, then the work is completed, and the functionality of the Work Item can be functionally frozen. This means that the feature can be completed in June, if all relevant work is completed, even though it is a part of release 2000, and the complete Release 2000 first targeted to be completed by December 2000.

The proposal was accepted by TSG SA and SA WG2 were asked to ensure that efficient co-operation is established with the relevant groups and an effective work plan created for this for early completion as part of Release 2000.

[TD SP-000096](#): LS to SA WG1 and SA WG1 Release 2000 ad-hoc (cc: CN, CN1, SA) on Definitions for Release 2000. This was presented to TSG SA for information. The SA WG1 Vice Chairman requested to have a definition of All-IP in 3GPP. The liaison was noted by TSG SA and SA WG2 were asked to clarify the definitions in Release 2000 and to ensure that they are compatible with Release 1999 so that the specification do not have to be completely revised with the terminology.

Co-ordination role

[TD SP-000109](#): Proposed definitions of "Feature", "Building Block" and "Work Task". This was presented by the SA WG2 Secretary and proposes the definitions for Project Management in 3GPP, as agreed in TSG SA.

[TD SP-000120](#): Examples of Features, Building Blocks and Work Tasks (Presentation slides). This presentation shows examples of the implementation of the Project Management given in [TD SP-000109](#). The presentation was used to give an introduction into the practical example provided in [TD SP-000108](#).

[TD SP-000108](#): Proposed list of ~~ICGs~~[IGCs](#), features, building blocks, work tasks for Release 2000. A more stable example was expected at the meeting, and delegates were asked to review the example and make some comments to SA WG2. It was emphasised that the ~~ICGs~~[IGCs](#) are across-feature groups. SA WG2 have been asked to organise the collection of the information but TSG SA remain responsible for the overall co-ordination of the Project. Active contribution to SA WG2 is expected to produce a comprehensive project plan.

It was requested that this document is maintained and kept posted on the 3GPP server area.

Delegates were requested to study the document and provide it to their colleagues in order to provide feedback to SA WG2 for completion of the Plan mid-April 2000. It was recognised by SA WG2 that there may be some errors or omissions in the document and comments on these were also welcomed.

It was noted that these procedures would need to be included in an update to the 3GPP Working Methods.

[TD SP-000033](#): Release 2000 - Work Planning and Management. This contribution was presented by BT and proposes the creation of a Release 2000 Work Plan across 3GPP for completion in April 2000.

There was some discussion on this proposal. It was agreed that it is very important to have a work plan, and this was already in the creation process through the ~~ICGs~~[IGCs](#). TSG SA agreed that this should be continued, to avoid in breaks in the ongoing work on creation of a workplan for Release 2000. However, the project management and the role of the ~~ICGs~~[IGCs](#) could be reviewed at the next TSG SA meeting to see if a better working method could be found.

5.2.3 Approval of contributions from TSG SA WG2

Approval of CRs:

The status of the approval of CRs from SA WG1 are given in Annex E, section E.2. The reported discussion is only for any CRs, which were not approved or approved with significant comments.

(Approved CRs: TD 84, 85, [86](#), 135, 87, 105, 88,

TD SP-000086: CRs to 23.060: Motorola stated difficulties with CRs 107, 145 and 146r1 and requested rejection at this time, and Motorola promised that it would participate in the work to update these CRs. This was supported by Lucent. The SA WG2 chairman suggested that the CRs were approved and further CRs elaborated to update the specifications. It was agreed to approve these CRs and the objection of Motorola and Lucent was recorded. Motorola and Lucent reasons for objection was according to their statement:

"The IPv6 address should not be delivered in two separate parts to the MS; instead the complete IPv6 address should be delivered to the MS in the Activate PDP Context message. This way the long-established SM procedure 'PDP Context Activation' can be used unchanged for PDP type IPv6 for both stateful and stateless autoconfiguration, and unnecessary signalling overhead across the radio is avoided."

Approval of Specifications:

TD SP-000090: 23.171, version 2.0.0: "Functional stage 2 description of location services in UMTS", was presented for approval. Some discussion on the implications on the work of other groups by of the inclusion of PS hooks. It was noted that the included hooks do not put requirements on other groups to do extra work for release 1999. It was clarified that there is also a GSM specification 03.71 and therefore this is not a transferred GSM specification, which also should cover GSM. With these notes and clarifications the specification was **approved** and placed under TSG SA change control.

5.3 TSG SA WG3

5.3.1 Report and questions for advice from TSG-SA WG3

TD SP-000042: The Report from SA WG3 to TSG SA (presentation slides) was presented by the SA WG3 Vice Chairman, Dr. Stefan Pütz. Discussion is reported below and the report was noted.

The recommendation of a standard authentication algorithm to encourage a minimum level of security across all 3GPP networks was discussed. The GSM Association Security Group were also working on a 3G authentication algorithm and it was questioned whether this was an efficient way of working. It was generally agreed that the work needs to be done, but duplication of work should be avoided by informing the GSM Association on the intentions of 3GPP.

The level of security intended for the standard algorithm was requested. It was clarified that the algorithm would be expected to be as strong as possible, and it would be up to individual operators to decide if it was adequate, or to choose another authentication algorithm.

The requirement for a standard authentication algorithm was **approved** and SA WG3 were asked to liaise with the GSM Association to ensure co-ordination of the work. It was noted that this was a slight change in position than previously decided in 3GPP and a liaison to the GSM Association informing about this was produced and provided in **TD SP-000156**. See agenda item 5.8.

It was recognised that ETSI SAGE have offered to develop the algorithm which will require funding. The recommendation by SA WG3 to use ETSI SAGE for this work was **approved**. If funding is not confirmed by 20 March 2000 then it will cause a delay to the delivery of the algorithm.

TD SP-000005: Liaison Statement to ETSI SAGE (copy to TSG SA for information) on Delivery of algorithm specifications and **TD SP-000118:** Work plan for the design of the 3GPP Authentication Algorithm. These were noted after the discussion given above.

TD SP-000006: Liaison Statement concerning Enhanced User Identity Confidentiality (EUIC) Status. A decision was already taken on moving EUIC to release 2000. With this the liaison was noted. A request for some explanation of EUIC in RAN groups was made and SA WG3 were asked to provide this, preferably through a liaison person.

TD SP-000121: Discussion paper for GPRS encryption. This was provided for information. Some discussion ensued, and delegates were asked to feed back comments to SA WG3. The document was then noted.

TD SP-000131: Status of Ciphering and Integrity Algorithm distribution. This provided an explanation of and status of the publication of the authentication algorithms. An initial solution of distribution via non-disclosure agreements was being set up in order to allow the distribution to start. It was expected that the algorithms would be published in the future removing the necessity of this system.

The Chairman reminded the meeting that TSG SA had made a request to the PCG in July 1999 to make the algorithms available as soon as they were approved, due to the urgency for them, which had been agreed by the PCG. On this background the TSG SA chairman had felt very disappointed that the necessary preparations had not been taken which would have allowed the algorithm to be distributed immediately after its completion. The TSG SA chairman indicated that he had expressed this disappointment on the behalf of TSG SA at the PCG meeting in January 2000.

A request for the contact details and application procedure was made. MCC agreed to make this information available.

5.3.2 Review of TSG-SA WG3's completion of Release 1999

The list of open issues given in slides 15 and 16 of the SA WG3 status report was considered. The impact of inclusion of the partial inclusion of 3G location services in Release 1999 needs some further study.

TD SP-000043: MAP Security Status Report. This was dealt with together with **TD SP-000111:** Liaison Statement to SA, CN and CN WG2 on MAP security. SA WG3 requested to delay MAP Security to June 2000 for inclusion in Release 1999 as they believe that the Layer 2 and Layer 3 work can be completed in that time. TSG CN confirmed that the work in CN could be achieved by June 2000, providing that no additional problems are identified. SA WG5 had considered the liaison from SA WG3 on this matter and requested confirmation on whether the Key Authentication Centre is a function of the message centre, etc, or a Network element. In any case the June 2000 time scale did not seem achievable by SA WG5.

It was **agreed** that **MAP Security would be moved to Release 2000**, with a target date for approval of CRs as June 2000 in order to have it available as soon as possible.

TD SP-000076: Proposed Procedures for joint control of 3GPP AKA. It was clarified that this allows the same procedure to be used for 3GPP and 3GPP2 algorithms. This does not mean that the same algorithm is to be used in 3GPP and 3GPP2.

5.3.3 Approval of contributions from TSG SA WG3

The status of the approval of CRs from SA WG3 are given in Annex E, section E.3. The reported discussion is only for any CRs which were not approved or approved with significant comments.

(Approved CRs in TDs **112**, **77**, **44**, **47**, **48**, **75**)

TD SP-000112: 33.102 CRs. All were **approved** except:

- CR054r1: The use of R99+ and R98- in the document was questioned. It was explained that R99+ refers to both GSM and 3GPP Release 1999 and onwards and R98- refers to GSM Release 1998 and previous. The CR was **approved** and SA WG3 asked to clarify the specification on this terminology.

S3 are asked to clarify the use of this terminology in the specification.

- CR071: **TD SP-000122** was presented by Siemens. Siemens did not object to the approval of this CR in principle, but required clarification and specification of the behaviour for Emergency Calls in case the integrity check fails. It was concluded that Emergency Calls should always continue independently of the outcome of the integrity check. The CR was **not approved**. SA WG3 were asked to clarify the requirements with CN WG1

TD SP-000077: Even though it just had been decided to move MAP security to Release 2000, it was agreed to **approve** this CR for consistency of the MAP security sections and request SA WG3 to provide the necessary change requests for the next meeting to delete MAP Security from Release 1999 specifications and add it to the new Release 2000 version.

TD SP-000075: Even though it just had been decided to move EUIC to Release 2000. It was agreed to **approve** these CRs for consistency and to delete EUIC from Release 1999 specifications at the next meeting, and add it to the new Release 2000 version.

SA WG3 were requested to produce CRs to remove MAP Security and EUIC from Release 1999 specifications and insert them into Release 2000 specifications at the next meeting.

Approval of Specifications:

The 3G confidentiality and integrity algorithms, which had been accepted by SA WG3 was confirmed that the work is complete. **TSG SA formally approved the algorithms for distribution to the 3GPP Partner Organisations.**

TD SP-000049: General Report from ETSI SAGE on the Design, Specification and Evaluation of 3GPP Standard Confidentiality and Integrity Algorithms. This was presented for approval and publication as a 3GPP TR. The report was **approved** and will be published as version 3.0.0.

5.4 TSG SA WG4

5.4.1 Report and questions for advice from TSG-SA WG4

TD SP-000018: Status Report from SA WG4, which includes presentation slides. The SA WG4 Chairman presented the SA WG4 status report. The report was noted and discussion is reported below.

For **AMR** TFO a short cut option for implementation is added to Release 2000. This option is for the case, that both ends support all **codec modes/protocols**, then the TFO **protocol/codec** can be **simplified and TFO immediately established**~~chosen without the need for lengthy negotiation.~~

SA WG4 would like to keep the AMR Floating-point C-code in Release 1999, although it will not be ready until June 2000. This request was **accepted** as there would be no impact on other groups and no impact on interoperability.

SA WG4 request the use of AMR 12.2 for GSM as a possible implementation of EFR. It is compatible, except that it does not pass the bit exact testing with the EFR Test vectors. It adds an additional 5ms in one direction. The impact on the quality level and the impact on the terminal were questioned. After a detailed explanation of the issue, the request was **agreed**.

SA WG4 asked SA to clarify the communication to the ITU. It was clarified that communication with the ITU from 3GPP is done by the individual members according to the rules of ITU and co-ordinated via the RAN ITU-R and CN ITU-T Ad-hoc groups, which should be kept informed about this type of information. A correspondence from the ITU was provided in **TD SP-000134** for information, and was noted by TSG SA.

The SA WG4 Chairman announced that he was resigning as Chairman at the June SA WG4 Meeting, and that consequently there would be an election for the Chairmanship of SA WG4 at the June meeting. This will be formally announced in advance of the election.

5.4.2 Review of TSG-SA WG4's completion of Release 1999

TD SP-000021: TS 26.975 v1.1.0 AMR Speech codec; Characterization Report (R99). This was presented for information and was noted.

TD SP-000022: TS 26.104 v0.3.0 ANSI-C code for the Floating-Point AMR Speech Codec (R 99). This was presented for information and was noted. (This version contains only the text, and not the C-code).

5.4.3 Approval of contributions from TSG SA WG4

The status of the approval of CRs from SA WG4 are given in Annex E, section E.4. The reported discussion is only for any CRs which were not approved or approved with significant comments.

(Approved CRs in TDs **25**, **26**,)

TD SP-000025: 26.073CR001. Should be marked as Category A, rather than F (approved).

Specifications:

TD SP-000019: TS 26.912 v2.0.0 QoS for Speech and Multimedia Codec - Quantitative performance evaluation of H.324 Annex C over 3G (R 99). This was **approved** and placed under TSG SA Change control as version 3.0.0.

TD SP-000020: TS 26.915 v1.0.0 Echo Control For Speech and Multi-Media Services (R 99). This was presented for approval. This was **approved** and placed under TSG SA Change control as version 3.0.0.

TD SP-000023: GSM 06.76 v2.0.0 (Technical Report) Adaptive Multi-Rate (AMR) Speech Codec; Study Phase Report (R 98). This was **approved** and placed under TSG SA Change control as version 7.0.0.

TD SP-000024: TR 26.901 v2.0.0 AMR Wideband Speech Codec Feasibility Study Report (Release 2000). This was **approved** and placed under TSG SA Change control as version 4.0.0.

TD SP-000027: AMR Wideband Permanent project document WB-3: Performance Requirements (version 2.0). This document was **approved** as the performance requirements report for a Wideband Codec.

TD SP-000028: AMR Wideband Permanent project document WB-4: Design Constraints (version 1.0). This document was **approved** as the design constraints for a Wideband Codec.

5.5 TSG SA WG5

5.5.1 Report and questions for advice from TSG SA WG5

TD SP-000011: Report from SA WG5 (presentation slides). This was presented by the SA WG5 Chairman. Discussion is reported below and the report was noted.

SA WG5 have exchanged letters to TADIS and BARG for co-operation, but reported that they have not yet received any response. (Note: TADIS and BARG are groups of the GSM Association)

TD SP-000010: Liaison response to S3's LS (S3-000190) on Functions of Key Distribution and Key Administration for MAP security. This was provided to TSG SA for information and was noted. (For further information see the discussion of MAP security above).

5.5.2 Review of TSG-SA WG5's completion of Release 1999

All open issues have been closed, except the security key administration issue.

Slide 17 shows some errors, as it should refer to 32.015, rather than 32.105. Also, it was commented that the GTP Header length and structure was not modified in Release 1998 or earlier, so only Release 1999 O&M specifications ought to be affected. However, after some out of meeting checking, it was concluded that even though that the GTP Header length and structure first was modified from Release 1999, it made sense to change the GTP protocol in all versions to avoid having two versions and a large signalling overhead.

TD SP-000119: SA WG5 report on RAN O&M consistency issue. This report detailed study results on the use of Object Oriented O&M in the RAN. SA WG5 reported that they found no clear indication of inconsistency between the RAN O&M specification for Release-99 work by the RAN group within the overall management architecture of the UMTS specified by SA WG5.

SA WG5 was of the opinion that RAN O&M work should use the more advanced specification technology i.e. Object-Oriented technology, which is widely accepted in the standardisation arena as well as in the implementation industries.

TSG SA agreed that OAM work should be taken into account early in the specification of new features.

5.5.3 Approval of contributions from TSG SA WG5

The status of the approval of CRs from SA WG5 are given in Annex E, section E.5. The reported discussion is only for any CRs which were not approved or approved with important comments.

(Approved CRs in TDs 14, 15, 16, **17**)

TD SP-000017:

- 32.015 v.3.0.0 CRs 001, 002, 003 and 004 to (GSM Charging PS domain) and 12.15 v.7.4.0, A018. These CRs were **approved**.

It was noted that the issues in 32.015 CR 003 still need some further work to be completely resolved.

- and A019 to 12.15 v.7.4.0 (GPRS Charging). It was reported that the GTP Header had not been modified in Release 98, so this CRs was incorrect. This CR was **rejected** but a revised CR with a correct explanation for the reason for change was later provided in **TD SP-000161** and **approved**. (**TD SP-000161:** CR019r2 to GSM 12.15 version 7.4.0 on GTP header length fixing – **approved**).

Specifications:

TD SP-000012: 32.106 v.2.0.0 (3G Configuration Management). This specification was **approved** and placed under TSG SA Change control as version 3.0.0.

TD SP-000013: 32.111 v.2.0.0 (3G Fault Management). This specification was **approved** and placed under TSG SA Change control as version 3.0.0. The list of open issues which needs to be completed by the next meeting, was noted.

5.6 Review of TSG SA Release 1999 status

TD SP-000164: The Open Issues list, (TD SP-99639 from SA Meeting #6) had been updated with information from the other TSGs and WGs and was presented for further thought before discussion the next day.

5.7 Review of TSG SA work programme

No separate contribution was discussed under this agenda item.

5.8 Letters to other groups

TD SP-000156: The proposed liaison statement to the GSM Association on Authentication development, as requested by TSG SA under agenda item 5.3.1 was **approved**.

5.9 Other issues

TD SP-000143: CR to 22.011 on network selection. There was some objection to approving the CR immediately and it was proposed to send it to SA WG1 for consideration. This to ensure that all consequential changes also were covered, e.g. AT command operation needs to be taken into account as well. However, a revised version was provided in **TD SP-000167**.

TD SP-000167: 22.011 CR015 on Network selection. As this is considered as a feature modification, and the impact on other specifications was not felt to be sufficiently covered, it was suggested that the change request was considered by SA WG1. The requirement for Network selection was noted and there was strong support for this feature. If a full set of CRs are provided to all relevant specifications the function may be considered for inclusion in R99 in June 2000.

TSG SA did not take any position on the acceptability or non-acceptability of this CR. Interested members can present the CR to SA WG1 for consideration.

A concern was expressed to the acceptance of CRs as input documents directly into TSGs for approval without going through the WGs. It was explained that this should be an exceptional case where there are strong reasons for doing so. In such a case, it is required to have a consensus of support and no objection about lack of expertise from the meeting, otherwise it should not be approved, but sent back to the WGs for consideration.

TD SP-000168: Proposed LS on the introduction of a user controlled switch of the priority of the user and operator preferred PLMN list. This liaison was related to the CR and was introduced for information. It clarifies that the Network selector switch is user-modifiable only and cannot be changed using tool kits etc. across the air interface. As the CR in **TD SP-000167** was not approved, the proposed liaison statement was **not accepted** either.

6 Technical co-ordination with TSG CN, TSG RAN and TSG T

6.1 TSG CN

6.1.1 Report and questions for discussion from TSG CN

TD SP-000140: Draft report of from TSG CN. The report was presented using the slides in **TD SP-000151**.

An election was held for the Chairman and Vice Chairman of TSG CN at their meeting #7. Stephen Hayes was elected as Chairman and Ian Park as Vice Chairman. (Masami Yabusaki, is the other Vice Chairman)

Guidance from TSG SA was requested on the following areas:

3G Location Services (CS cell location for UMTS)

CS Bearers in UMTS (Question to S1: Low rate NT services needed?)

Low data rate transparent support is not complete. After some discussion, it was agreed that SA WG1 would be asked about the service requirements, and to take appropriate action to ensure GSM-3G interworking.

EUIC (Question to S1: Behaviour of paging after VLR restart) - CN

- *Recommendation - Move to R'00*

It had been decided earlier in the meeting to move EUIC to Release 2000 so this subject is not urgent for release 99 could be discussed with SA WG1.

IMEI Coding format (Analysis started)

Members should check the local regulatory requirements for IMEI in order to ensure that roaming requirements etc. can be handled. TSG SA noted that this work is ongoing, and invite interested members to participate in the work in TSG CN.

The type of solution that is found may effect the impact on any existing equipment. Therefore there was a request to keep TSG T informed. TSG CN undertook to keep TSG T informed on the progress of the work.

MAP Security (Concept nearing agreement, Key distribution not addressed)

This had been discussed earlier in the meeting and a conclusion reached.

OSA (Open issues outstanding) - CN Recommendation R'99

This was on the list of outstanding open issues, and was dealt with under agenda item 6.5.

6.1.2 Information on completion of Release 1999 in TSG CN

It was noted that MultiCall is complete, except for a problem with a CR on Inter-MSC handover, which will be corrected by an updated CR at TSG Meeting #8.

It was clarified that Emergency Call Integrity Protection checking is not a service requirement, and Emergency Calls should be completed whatever result of any integrity check (if integrity checking is performed, then the result is ignored). It was suggested that it therefore makes no sense to perform the check. SA WG3 was asked to produce a CR to remove the integrity check also for emergency call with inserted USIM.

NOTE: It was already decided that no integrity check would be performed for USIM-less emergency-calls by the rejection of CR071R1 to TS 33.102 (see agenda item 5.3.3).

No common solution had yet been agreed for the Global cause code of "no ID". A common global solution is not available at the moment, and a regional solution may need to be adopted in Japan. CN expect a solution for meeting #8. It was recognised that the deadline for the solution in Japan was 17 March 2000, so it was already too late. It should be recognised that if a regional solution is adopted and implemented in a network, then there is a risk that the network would need modification when a common solution is approved in 3GPP.

6.1.3 Information on status and changes to deliverables

TD SP-000129: LS presenting an Invitation to SA WG3 on joint meeting TSG CN / SA WG3 on security requirements for Release 2000. TSG SA noted this correspondence and recommended that SA WG3 accept the TSG CN proposal to ensure that Security work progresses.

The CN Chairman reported that if liaisons are not presented by a representative, then they are noted by the TSG CN meeting, and therefore that liaisons should be presented to ensure they are correctly dealt with.

TD SP-000130: LS on organisation of the work on VHE/OSA Release 2000. The proposal was noted and SA2 were encouraged to meet with TSG CN to discuss this matter.

TD SP-000137: Liaison Statement on Standardization/Specification of NNI (Network-to-Network Interface) standardization with Other IMT-2000 Family Member Systems. This liaison discusses an issue of NNI with other IMT-2000 Family Member Systems and recommends TSG SA and TSG CN to start the necessary preliminary study for the detailed NNI specification/standardization work. It was agreed that study of NNI standardisation could be done in 3GPP. SA WG1 were asked to further progress the work on the TR "UMTS Interworking with ANSI-41 Networks" and report to TSG SA #08, as the result of this work is considered a good starting point for any work on NNI. When the studies are completed, TSG SA can consider the way forward.

It was confirmed that 3GPP TSG SA members see the role of ITU-T to be the further development of a visionary plan to IMT family member standardisation and considers 3GPP responsible for the technical plan for 3G in the area of 3GPP.

TD SP-000138: Meeting on Co-operation with ITU-T SG11. This was noted, and Members were asked to consider attendance to this meeting.

A co-operation meeting had been arranged by DoCoMo for 29 May 2000 in Paris. Output from this will be forwarded to the SA WG2 workshop.

The leaving Chairman, Mr. Harald Dettner, was thanked for the hard work he has done in TSG CN, the timely completion of Release 1999 and the co-operative spirit in which he ran the meetings and discussions. He was wished very good and enjoyable future work in his new rôle.

Mr. Dettner, in turn, thanked his committee for their very hard work and co-operation. He also sent thanks to Mr. Peter Van der Arend, who helped him to cope with the trials of Chairmanship in ETSI SMG, and Mr. Friedhelm Hillebrand for his warm welcome and encouragement as a new Chairman. He wished the 3GPP good and fruitful work.

6.2 Report from TSG RAN

6.2.1 Report and questions for discussion from TSG RAN

TD SP-000148: 3GPP RAN#7 meeting report. The Chairman of TSG RAN presented his report of TSG RAN #7 meeting to TSG SA. He reported that there were no open issues remaining for Release 1999 in RAN WG1, WG2. Some open issues were reported in RAN WG3 (details were provided in [TD SP-000145](#)) and some open issues remaining in RAN WG4.

NOTE: After discussion and corrections to the report, it was made available in [TD SP-000163](#).

It was noted that on slide 8 (RAN WG3 open issues) that CBCH was missing from the open issues.

Slide 10 details the items that TSG RAN have decided are not included in Release 1999. It was clarified that the inclusion in Release 2000 of any of these items will be a matter of discussion on Release 2000.

The Out of Band Transcoder is proposed for deletion from the TSG RAN Work Programme) as the solution does not involve support from the UTRAN in addition to what is already provide for other functions and work items (i.e. it is not proposed to delete the Out of Band Transcoder function). It was clarified that TSG RAN will not work on this unless it is found to be necessary, at which time a Work Item will be established to deal with this.

Completion of the TrFO work for Release 2000 was expected for June 2000 and TSG SA expect to see this at meeting #8. TSG SA recommends the other TSGs to do the necessary work to ensure this is deadline met.

It was felt that TSG RAN could consider to keep the work item in the work plan if it was required in TSG RAN.

Delegates were reminded that the approval of other TSGs work items is outside the Scope of TSG SA, according to the 3GPP Working Procedures.

Slide 15, the Release 2000 WI "Introduction of prioritization for AAL type 2 connections over Iub and Iur interfaces" was deleted because it was the original proposal for the following "QoS for AAL2" WI.

The round-trip delay budget was reported by RAN WG3 as worst case of 450 ms. It was considered that the calculation of delay should be done to a more typical case. The method for determining a value should be produced. In the discussion, it became clear that for a normal mobile to mobile call the delay was comparable (or lower) to the delay for the similar case in GSM.

SA WG2 were asked to study the likely architecture scenarios with co-operation with other relevant groups, in order to propose a realistic model for calculating the round-trip delay figure. The delay figure shall be calculated assuming no delay, as delay figures might vary significantly between networks. Contributions will be needed in order for SA WG2 to perform this task.

6.2.2 Information on completion of Release 1999 in TSG-RAN

TD SP-000145: Unfinished items proposed for inclusion in R99. This was presented for information and noted.

TD SP-000146: Unfinished items not for inclusion in R99. This was presented for information and noted.

TD SP-000153: Open Issues for Release 99 List. The update provides the status of open issues since the TSG SA #6 meeting. This was considered under the overall review of Release 1999, under agenda item 6.5.

6.2.3 Information on status and changes to deliverables

This was reported in the main report from TSG RAN under agenda item 6.2.1.

6.3 Report from TSG T

6.3.1 Report and questions for discussion from TSG T

TD SP-000125: TSG-T Status report to TSG SA #7. The Chairman of TSG T presented his report of TSG T #7 meeting to TSG SA.

The conformance test suite plans were questioned. It was clarified that it was expected that test specifications would be available for Release 1999. delays would be dependent upon the funding and resources.

A comment on the approved TR 21.904 "UE Capability Requirements" was made, as it appeared to be contradictory in some places with RAN work. It was asked if a review was intended by TSG T. TSG T Chairman clarified that a review would be made, based upon comments upon the document from other groups. All companies should review the documents and forward comments to TSG T.

It was added that there are some duplication of specification, which could be resolved by use of references instead of duplication of text in documents.

GSM SIM API and SIM toolkit secure messaging, stages 1 and 2: 02.19, 03.19, 02.48 and 03.48 were accepted by TSG T for maintenance and inclusion in Release 2000 at the appropriate point.

TSG T requested that TSG SA WGs liaise with TSG T on the impact of Release 2000 architecture and service changes to the terminal.

TD SP-000126: High level summary of R99 for TSG T WGs. This summarises the features which TSG T has completed for Release 1999 and was noted.

TD SP-000136: LS from T1 cc TSG-T "Distribution of a proposal for prioritisation of the elaboration of conformance test cases for 3G terminals". The transmission of the proposal was **endorsed**.

6.3.2 Information on completion of Release 1999 in TSG-T

TD SP-000127: TSG T update to list of outstanding R99 issues. The update provides the status of open issues since the TSG SA #6 meeting. This was considered under the overall review of Release 1999, under agenda item 6.5.

France Telecom asked if all the outstanding issues on the UICC - SIM Interoperation had been solved. It was confirmed by the TSG T Secretary that all known issues for Release 1999 had been resolved within TSG T (T WG3).

6.3.3 Information on status and changes to deliverables

[TD SP-000128](#): New work items approved at TSG T #7. This list was noted.

6.4 Letters to others groups

[TD SP-000114](#): LS to IETF Audio/Video Transport Working Group.

[TD SP-000113](#): Draft LS to IETF AVT Working Group on 3GPP requirements for real-time packet-switched multimedia services. [This proposal from Matsushita had NOT been approved by SA WG4. SA WG4 recommended that it should be presented directly to the TSG SA plenary by the originating organisation. SA WG4](#) Consequently, Matsushita asked TSG SA to consider the draft liaison and forward it to the IETF and any other relevant groups. It was decided that TSG SA should not approve [or](#) send this [liaison](#), but interested companies can submit similar contributions directly to IETF.

6.5 Review of completion of the Release 1999 specification set

[TD SP-000035](#): Completion of Release 99. This contribution from BT proposes that TSG SA determine the status of all outstanding work for Release 1999 and produce a high level scope and capabilities.

A draft of the functionality of Release 1999 will be produced by the TSG Chairmen and MCC in time for the next TSG SA meeting. This will be distributed when available, if earlier than Meeting #8.

[TD SP-000164](#): Open Issues for Release 99 List. The list was updated with the information from the reports from TSGs and SA WGs and presented in [TD SP-000166](#). The Chairman recognised the hard effort in the WGs to complete a large proportion of the open items in time for this meeting. The "final" version of the Open Issues list was provided in [TD SP-000169](#).

6.6 Release 2000 and beyond

[TD SP-000034](#): Release 2000 Options. BT introduced the contribution which proposes the Release 2000 specifications should be developed to cater for different 'Architecture Options', to enable the deployment of different and mixed architecture configurations which still comply with standards but give flexibility to suit the differing requirements.

It was reported that this proposal is not aligned with the views in SA WG1. It was also stated that MultiMedia services are not only for PS domain and it needs to be very clear that such services are not applicable only to the domain, in which they are classified into under the proposal.

It was suggested that a contribution, taking into account the comments made should be sent to SA WG1 for inclusion in their work.

SA WG2 had received a similar contribution and concluded that it was an implementation option and should not be in the standards. It was argued that this is an implementation issue, but the specifications need to allow the implementation options.

TSG SA decided that SA WG2 should produce a document in the 23.800 series which documents some implementation options based upon the proposals in this contribution. Delegates are asked to contribute to the document in SA WG2.

[TD SP-000102](#): Design base for the IP Multimedia. This presentation was made by Ericsson, which suggests the use of IETF IP protocol model and SIP protocol. A related contribution was provided in [TD SP-000157](#).

SA WG2 are planning a workshop to deal with these matters and it was suggested that the proposals are discussed there. *It was asked whether this should be done by Vote at SA WG2. The SA Chairman commented that the technical decisions at a Working Group should be attempted by consensus at the meeting, before resorting to formal voting. If a decision is not made by SA WG2 by the next TSG SA meeting, then TSG SA will make the decision.*

[TD SP-000139](#): Megaco-H.248 / SIP. This presentation was made by Italtel and highlights the potential dangers in SIP, where hackers could bypass Call Control and make a direct call. The Megaco provides a Gateway and foresees the adoption of IPSEC. The document was noted and the originator requested to contribute to the decision process in SA WG2.

[TD SP-000081](#): Architecture model for Release 2000. this was provided by Samsung for information. Delegates are asked to provide any feedback to Samsung on this contribution so that the ideas can be presented to SA WG2 in their next meeting in Helsinki.

[TD SP-000115](#): Background for Global Text Telephony (Presentation slides). This presentation was made by Ericsson. This provides background information for the discussion document in [TD SP-000116](#) and the request for a Global Text Telephony Work Item given in [TD SP-000162](#).

It was mentioned that the usual way to propose a Work Item would be to go via a WG and therefore SA WG1 or SA WG2 should be asked to consider it.

It was decided that TSG SA support the principle of the Work Item, but that it was too detailed for a decision at TSG SA. SA WG1 were asked to consider this work item and propose it again to TSG SA for approval. SA WG1, SA WG2 and T WG1 (and any other relevant groups) were asked to start considering the work item.

[TD SP-000116](#): Requirements and Objectives for Global Text Telephony.

[TD SP-000162](#): Proposed Work Item description for Global text Telephony.

[TD SP-000036](#): Objectives for Release 2000. This contribution proposes some objectives for the management of the Release 2000 specification set in order to ensure a timely delivery of Release 2000.

The TSG SA Chairman went through the proposals on order and found that most of the ideas had been covered earlier in the meeting. Members were asked to ensure that contribution on Release 2000 is made in good time to ensure that the project is on schedule and to ensure co-ordination across the project through their colleagues in other groups.

[TD SP-000158](#): Establishing working relation with IETF. This presentation was made by Ericsson. The presentation proposes to establish a co-operation agreement with the IETF and a 3GPP IETF function to start up the necessary functions.

It was suggested that an agreement with the IETF should be established, for 3GPP to feed relevant standards or modifications to the IETF for adoption. It was agreed that 3GPP need to know how the IETF work and that the IETF know how 3GPP work. The use of IETF maintained specifications should be carefully considered, as this may mean that 3GPP expertise would need to be sent also to IETF, reducing the available 3GPP resources.

The Chairman reported that all 3GPP TSGs had received permission, from the PCG, to liaise with the IETF. It was reported that the IETF do not have a formal liaison structure and a high level management meeting may be needed in order to exchange ideas.

It was decided that the co-operation with the IETF should be started on a "need" basis, where material could be used when it is available. Analysis of the need for more formal co-operation agreement could then be made and a decision made. This analysis should include the identification of where other bodies' standards can be re-used and where liaison is necessary, including those of the IETF.

A Rapporteur should be appointed to provide an overview report on activities and documents of interest outside of 3GPP. Any Volunteers as Rapporteur were requested to see the Chairman after the meeting.

6.7 Other issues

None

7 Project Management

7.1 Review of work programme

7.2 Handling of March 2000 specification sets (Release 1999 & Release 2000)

[TD SP-000154](#): 3G Specifications not forming part of Release 1999. The document was noted.

TD SP-000078: Creation of release 2000 specifications. This contribution from MCC proposes when and how to create Release 2000 (version 4.0.0) documents from Release 1999 documents or as new documents. A correction to this is proposed by TSG RAN in **TD SP-000147**. An error in the mirror CR example was noted, and the mirror CRs will only be for later versions of corrective changes, and not for earlier versions.

TD SP-000147: Proposed modification to **TD SP-000078** from TSG RAN. This is to include a WG request to a TSG to copy specifications from one Release to another.

TD SP-000160: 21.101 v 2.5.0. 3rd Generation mobile system Release 1999 Specifications. Some corrections were mentioned, and the document was **approved** with these comments taken into account, and placed under TSG SA Change Control, as version 3.0.0.

7.3 Working methods

079, 080 Noted

7.4 Other issues

8 Project support

TD SP-000159: Status report from MCC. This was noted and delegates were asked to place any question directly to the MCC.

9 Postponed issues from earlier in the meeting

The postponed issued are covered under their respective agenda items.

10 Workplan and future meetings

A summary of the future meeting dates are given below.

| TSG | No. | Date | Venue | Host |
|-----|-----|----------------------|---------------------|-------------------------------|
| CN | #8 | June 2000 | Dusseldorf, Germany | Mannesmann |
| RAN | #8 | June 2000 | Dusseldorf, Germany | Mannesmann |
| T | #8 | June 2000 | Dusseldorf, Germany | Mannesmann |
| SA | #8 | 26-28 June 2000 | Dusseldorf, Germany | Mannesmann |
| CN | #9 | 20-22 September 2000 | Hawaii, USA | TTC, ARIB, T1 |
| RAN | #9 | 20-22 September 2000 | Hawaii, USA | TTC, ARIB, T1 |
| T | #9 | 20-22 September 2000 | Hawaii, USA | TTC, ARIB, T1 |
| SA | #9 | 25-28 September 2000 | Hawaii, USA | TTC, ARIB, T1 |
| CN | #10 | 06-08 December 2000 | Bangkok, Thailand | Unisys Deutschland GmbH |
| RAN | #10 | 06-08 December 2000 | Bangkok, Thailand | Unisys Deutschland GmbH |
| T | #10 | 06-08 December 2000 | Bangkok, Thailand | Unisys Deutschland GmbH |
| SA | #10 | 11-14 December 2000 | Bangkok, Thailand | Unisys Deutschland GmbH |
| CN | #11 | March 2001 | | |
| RAN | #11 | March 2001 | | |
| T | #11 | March 2001 | | |
| SA | #11 | March 2001 | | |

<ADD 2001 SCHEDULE>>

11 Any other business

[TD SP-000039](#): Electronic Working within TSGs and Working Groups (Version 1.1). This was noted by TSG SA.

[TD SP-000165](#): Invitation to the 3GPP TSG SA WG2 Drafting Meeting on Call Control and joint session with N1. The invitation was noted.

12 Closing of meeting

The chairman thanked the hosts for their excellent meeting arrangements and social event. He thanked delegates for their hard work and patience and closed the meeting.

Annex A: Co-ordinates of TSG and WG Officials

A.1 TSG SA Officials

| Position | Name | Company | e-mail | Telephone | Fax | (Mobile Tel.) |
|------------------------------|--------------------|--|-----------------------------------|-------------------|------------------------|-------------------|
| TSG SA Officials: | | | | | | |
| Chairman | Niels Andersen | MOTOROLA | npa001@email.mot.com | +45 43 48 81 10 | +45 43 48 82 76 | +45 4018 4793 |
| Vice Chairman | Gary Jones | Omnipoint | gary.jones@voicestream.com | +1 301 951 2524 | +1 703 715 2365 | +1 201486 0949 |
| Vice Chairman | Armin Toepfer | Mannesmann | armin.toepfer@d2privat.de | +49 211 533 2838 | +49 211 533 2804 | +49 172 2100 748 |
| Secretary | Maurice Pope | 3GPP Support Team | maurice.pope@etsi.fr | +33 4 92 94 4259 | +33 4 92 38 5259 | |
| TSG SA WG1 Officials: | | | | | | |
| Chairman | Alan Cox | Vodafone | alan.cox@vf.vodafone.co.uk | +44 1635 673 332 | +44 1635 583 019 | +44 385 200 147 |
| Vice Chairman | David Cooper | Telecom Modus Ltd | david.cooper@t-modus.co.uk | | | |
| Vice Chairman | Tommi Kokkola | Nokia Corporation | tommi.kokkola@nokia.com | +358 40 50 40 734 | +358 9 511 68080 | +358 40 50 40 734 |
| Secretary | Michael Clayton | 3GPP Support Team | michael.clayton@etsi.fr | +33 4 92 94 4228 | +33 4 92 38 5228 | |
| TSG SA WG2 Officials: | | | | | | |
| Chairman | Teuvo Jarvela | Nokia Corporation | teuvo.jarvela@nmp.nokia.com | +44 1252 865 163 | +44 1252 865 065 | +44 385 525 683 |
| Vice Chairman | Yukio Hiramatsu | NTT | hiramatsu@magnet.netlab.ntt.co.jp | +81 422 59 6024 | +81 422 60 7429 | +81 50 137 8536 |
| Vice Chairman | Vacancy | | | | | |
| Secretary | Alain Sultan | 3GPP Support Team | alain.sultan@etsi.fr | +33 4 92 94 42 71 | +33 4 92 38 5271 | +33 6 80 08 94 59 |
| TSG SA WG3 Officials: | | | | | | |
| Chairman | Michael Walker | Vodafone | mike.walker@vf.vodafone.co.uk | +44 1635 673 886 | +44 1635 31127 | +44 385 277 687 |
| Vice Chairman | Stefan Puetz | Deutsche Telekom | stefan.puetz@t-mobil.de | +49 228 936 3377 | +49 228 936 88 3377 | |
| Vice Chairman | Michael Marcovici | Lucent Technologies | marcovici@lucent.com | +1 630 979 4062 | +1 630 224 9955 | |
| Secretary | Ansgar Bergmann | 3GPP Support Team | ansgar.bergmann@etsi.fr | +33 4 92 94 43 22 | +33 4 92 38 5322 | |
| TSG SA WG4 Officials: | | | | | | |
| Chairman | Alain Ohana | GSM North America BellSouth Mobility DCS | alain.ohana@pcs.bls.com | +1 972 517 0709 | | |
| Vice Chairman | Kari Jarvinen | Nokia | kari.jarvinen@research.nokia.com | +358 3272 5854 | +358 3272 5888 | +358 50 555 0999 |
| Vice Chairman | Hiroyuki Yamaguchi | NTT DoCoMo | hyama@spg.yrp.nttdocomo.co.jp | +81 648 40 3512 | +81 468 40 3788 | |
| Secretary | Paolo Usai | 3GPP Support Team | paolo.usai@etsi.fr | +33 4 92 94 42 36 | +33 4 92 38 5236 | +39 335 387 164 |
| TSG SA WG5 Officials: | | | | | | |
| Chairman | Albert Yuhan | Omnipoint | ayuhan@omnipoint-pcs.com | +1 973 872 5791 | +1 973 872 5714 | |
| Vice Chairman | Michael Truss | Motorola | trussm@cork.cig.mot.com | +353 21 511 327 | +353 21 357 635 | |
| Vice Chairman | Vacancy | | | | | |
| Secretary | Adrian Zoicas | 3GPP Support Team | adrian.zoicas@etsi.fr | +33 4 92 94 42 21 | +33 4 92 38 52 21 | |

A.2 TSG CN Officials

| Position | Name | Company | e-mail | Telephone | Fax | (Mobile Tel.) |
|------------------------------|-------------------|--------------------------|-------------------------------|-------------------|-------------------|---------------|
| TSG CN Officials: | | | | | | |
| New Chairman | Stephen Hayes | Ericsson | stephen.hayes@ericsson.com | +1 972 583 5773 | +1 972 644 3036 | |
| (Leaving Chairman) | Harald Dettner | Siemens | harald.dettner@icn.siemens.de | +49 6621 169 169 | +49 6621 169 122 | |
| Vice Chairman | Masami Yabusaki | NTT DoCoMo | yabusaki@docomo.fr | +33 1 56 88 30 30 | +33 1 56 88 30 45 | |
| New Vice Chairman | Ian Park | Vodafone | ian.park@vf.vodafone.co.uk | +44 1635 673 527 | +44 1635 233 562 | |
| Secretary | David Boswarthick | 3GPP Support Team | david.boswarthick@etsi.fr | +33 4 92 94 42 78 | +33 4 93 65 28 17 | |
| TSG CN WG1 Officials: | | | | | | |
| Chairman | Hannu Hietalahti | Nokia | hannu.hietalahti@nokia.com | +358 40 502 1724 | +358 10 505 7999 | |
| Vice Chairman | Mark Fenton | Ericsson | mark.fenton@eml.ericsson.se | +44 1 256 864 376 | +44 1 256 864 307 | |
| Vice Chairman | Vacancy | | | | | |
| Secretary | Ban Al Bakri | 3GPP Support Team | Ban.AIBakri@etsi.fr | +33 4 92 94 43 09 | +33 4 93 65 28 17 | |
| TSG CN WG2 Officials: | | | | | | |
| Chairman | Ian Park | Vodafone | ian.park@vf.vodafone.co.uk | +44 1635 673 527 | +44 1635 233 562 | |
| Vice Chairman | Steffen Habermann | T-Mobil | teffen.habermann@t-mobil.de | +49 228 936 3324 | +49 228 936 3329 | |
| Vice Chairman | Yun-Chao Hu | Ericsson | yun-chao.hu@ericsson.co.jp | +81 3 5216 9085 | +81 3 5216 9047 | |
| Secretary | Franco Settimo | 3GPP Support Team | franco.settimo@etsi.fr | +33 4 92 94 42 38 | +33 4 93 65 28 17 | |
| TSG CN WG3 Officials: | | | | | | |
| Chairman | Norbert Klehn | Siemens | norbert.klehn@icn.siemens.de | +49 30 386 290 90 | +49 30 386 44255 | |
| Vice Chairman | Achim Braun | Alcatel | achim.braun@alcatel.de | +49 711 8214 1817 | +49 711 8214 1177 | |
| Vice Chairman | Graham Heaton | Brand Communications Ltd | grahamh@brandcomms.com | +44 1480 442 100 | +44 1480 442 153 | |
| Secretary | David Boswarthick | 3GPP Support Team | david.boswarthick@etsi.fr | +33 4 92 94 42 78 | +33 4 93 65 28 17 | |

A.3 TSG RAN Officials

| Position | Name | Company | e-mail | Telephone | Fax | (Mobile Tel.) |
|---|-------------------|-------------------|----------------------------------|-------------------|-------------------|-------------------|
| TSG RAN Officials: | | | | | | |
| Chairman | Yukitsuna Furuya | NEC | furuya@pccrd.fc.nec.co.jp | +81 42 333 1061 | +81 42 333 1083 | +33 6 08 82 20 22 |
| Vice Chairman | Francois Courau | Alcatel | francois.courau@alcatel.fr | +33 1 30 77 94 68 | +33 1 30 67 94 30 | |
| Vice Chairman | Donald Zelmer | Bell South | Don_Zelmer@bscc.bls.com | +1 404 249 3689 | +1 404 249 5157 | |
| Secretary | Hans Van Der Veen | 3GPP Support Team | Hans.vanderVeen@etsi.fr | +33 4 92 94 42 61 | +33 4 93 65 28 17 | |
| TSG RAN WG1 Officials: | | | | | | |
| Chairman | Antti Toskala | Nokia | Antti.Toskala@nokia.com | +358 9 511 38221 | +358 9 511 38452 | |
| Vice Chairman | Takehiro Nakamura | NTT DoCoMo | takehiro@wsp.yrp.nttdocomo.co.jp | +81 468 40 3190 | +81 468 40 3840 | |
| Vice Chairman | Vacancy | | | | | |
| Secretary | Shinobu Ikeda | 3GPP Support Team | Shinobu.Ikeda@etsi.fr | +33 4 92 94 42 06 | +33 4 93 65 28 17 | |
| TSG RAN WG2 Officials: | | | | | | |
| Chairman | Denis Fauconnier | Nortel | dfauconn@nortelnetworks.com | +33 1 39 44 52 8 | +33 1 39 44 50 12 | |
| Vice Chairman | Mikko Rinne | Nokia | mikko.j.rinne@research.nokia.com | +358 9 4376 6825 | +358 9 4376 6856 | |
| Vice Chairman | Vacancy | | | | | |
| Secretary | Hans Van Der Veen | 3GPP Support Team | Hans.vanderVeen@etsi.fr | +33 4 92 94 42 61 | +33 4 93 65 28 17 | |
| TSG RAN WG3 Officials: | | | | | | |
| Chairman | Per Willars | Ericsson | per.willars@era.ericsson.se | +46 70 652 1192 | +46 8 404 9500 | |
| Vice Chairman | Jean-Marie Calmel | Nortel | calmel@nortel.com | +33 1 39 44 52 82 | +33 1 39 44 50 54 | |
| Vice Chairman | Vacancy | | | | | |
| Secretary | Carolyn Taylor | 3GPP Support Team | carolyn.taylor@etsi.fr | +33 4 92 94 43 52 | +33 4 93 65 28 17 | |
| TSG RAN WG4 Officials: | | | | | | |
| Chairman | Howard Benn | Motorola | bennh@ecid.cig.mot.com | +44 1 793 566266 | +44 1 793 566225 | |
| Vice Chairman | Eisuke Fukuda | Fujitsu | e.fukuda@fujitsu.co.uk | +44 181 606 4473 | +44 181 606 4539 | |
| Vice Chairman | Vacancy | | | | | |
| Secretary | David Williams | 3GPP Support Team | David.Williams@etsi.fr | +33 4 92 94 43 21 | +33 4 93 65 28 17 | |
| 3GPP Ad-hoc group on ITU (internal) co-ordination: | | | | | | |
| Contact person | Nicola Magnani | CSELT | nicola.magnani@cse.lt | +39 011 228 7089 | +39 011 228 5295 | |

A.4 TSG T Officials

| Position | Name | Company | e-mail | Telephone | Fax | (Mobile Tel.) |
|-----------------------------|---------------------|------------------------------------|-----------------------------------|--------------------|--------------------|---------------|
| TSG T Officials: | | | | | | |
| Chairman | Sang-Keun Park | Samsung | skpark@khgw.info.samsung.co.kr | +82 331 280 9835 | +82 331 280 1660 | |
| Vice Chairman | Ed Ehrlich | Nokia | ed.ehrlich@nokia.com | +1 972 894 4495 | +1 972 894 5525 | |
| Vice Chairman | Kevin Holley | BT | kevin.holley@bt.com | +44 1473 605604 | +44 1473 623794 | |
| Secretary | Michael Sanders | 3GPP Support Team | michael.sanders@etsi.fr | +33 4 9294 4290 | +33 4 92 38 5290 | |
| TSG T WG1 Officials: | | | | | | |
| Chairman | Bjarke Nielsen | Sony | bjarke.nielsen@ipce.eu.sony.co.jp | +49 89 9 45 78 107 | +49 89 9 45 78 412 | |
| Vice Chairman | Peter George | Anritsu UK | peterg@anritsu.co.uk | +44 143 874 0011 | +44 143 874 0202 | |
| Vice Chairman | Vacancy | | | | | |
| Secretary | Lidia Salmeron | 3GPP Support Team | lidia.salmeron@etsi.fr | +33 4 92 94 43 49 | +33 4 93 65 28 17 | |
| TSG T WG2 Officials: | | | | | | |
| Chairman | Kevin Holley | BT | kevin.holley@bt.com | +44 1473 605604 | +44 1473 623794 | |
| Vice Chairman | Peter Neumann | Siemens | peter.neumann@mch.siemens.de | +49 89 72 23 67 18 | +49 89 72 23 70 78 | |
| Vice Chairman | Toshihiro Shimizu | Matsushita | toshi.shimizu@mci.co.uk | +44 16 35 87 04 66 | +44 16 35 87 13 45 | |
| Secretary | Friedhelm Rodermund | Communication 3GPP Support Team | friedhelm.rodermund@etsi.fr | +33 4 92 94 43 24 | +33 4 93 65 28 17 | |
| TSG T WG3 Officials: | | | | | | |
| Chairman | Klaus Vedder | Giesecke & Devrient | klaus.vedder@gdm.de | +49 89 4119 1542 | +49 89 4119 1540 | |
| Vice Chairman | Guenter Maringer | T-Mobil | guenter.maringer@t-mobil.de | +49 228 936 1249 | +49 228 936 881249 | |
| Vice Chairman | Vacancy | | | | | |
| Secretary | Michael Sanders | 3GPP Support Team | michael.sanders@etsi.fr | +33 4 9294 4290 | +33 4 92 38 5290 | |

Annex B: List of documents

| NUMBER | TITLE | SOURCE | AGENDA ITEM | Document for | REPLACED BY |
|-----------|--|------------------------------------|-------------|--------------|-------------|
| SP-000001 | Draft agenda for Meeting #7 | Chairman | 2 | Approval | |
| SP-000002 | Draft Report of TSG SA Meeting #6 version 0.0.4 | TSG SA Secretary | 3 | Approval | |
| SP-000003 | LS on handover signalling robustness | RAN WG4 | 4.1 | Information | |
| SP-000004 | LS on twinkling replacement antennas | ETSI SMG2 | 4.2 | Information | |
| SP-000005 | LS to ETSI SAGE (cc SA) on Delivery of algorithm specifications | SA WG3 | 5.3.1 | Information | |
| SP-000006 | LS concerning Enhanced User Identity Confidentiality (EUIIC) Status | SA WG3 | 5.3.1 | Decision | |
| SP-000007 | ITU-T Recommendation Q.1701 (High level definition document for IMT 2000) | ITU-T SG11 Chairperson | 4.3 | Information | |
| SP-000008 | LS on UE radio access capabilities and relation to conformance testing | RAN WG2 | 4.1 | Information | |
| SP-000009 | Response to LS on SoLSA support on UTRAN | RAN WG4 | 4.1 | Information | |
| SP-000010 | Liaison response to S3's LS (S3-000190) on Functions of Key Distribution and Key Administration for MAP security | SA WG5 | 5.5.1 | Information | |
| SP-000011 | SA WG5 status report | SA WG5 Chairman | 5.5.1 | Information | |
| SP-000012 | 32.106 v.2.0.0 (3G Configuration Management) | SA WG5 | 5.5.3 | Approval | |
| SP-000013 | 32.111 v.2.0.0 (3G Fault Management) | SA WG5 | 5.5.3 | Approval | |
| SP-000014 | 3 CRs to 32.101 v.3.0.0 (3G Telecom Management principles and high level requirements) | SA WG5 | 5.5.3 | Approval | |
| SP-000015 | 2 CRs to 32.102 v.3.0.0 (3G Telecom Management architecture) | SA WG5 | 5.5.3 | Approval | |
| SP-000016 | 2 CRs to 32.104 v.3.0.0 (3G Performance Management) | SA WG5 | 5.5.3 | Approval | |
| SP-000017 | 4 CRs to 32.015 v.3.0.0 (GSM charging PS domain) & 2 CRs to 12.15 v.7.4.0 (GPRS Charging) | SA WG5 | 5.5.3 | Approval | |
| SP-000018 | TSG-S4 Status Report to TSG-SA#7 | SA WG4 Chairman | 5.4.1 | Information | |
| SP-000019 | TR 26.912 v2.0.0 QoS for Speech and Multimedia Codec - Quantitative performance evaluation of H.324 Annex C over 3G (R 99) | SA WG4 | 5.4.2 | Approval | |
| SP-000020 | TR 26.915 v1.0.0 Echo Control For Speech and Multi-Media Services (R 99) | SA WG4 | 5.4.2 | Approval | |
| SP-000021 | TR 26.975 v1.1.0 AMR Speech codec; Characterization Report (R99) | SA WG4 | 5.4.2 | Information | |
| SP-000022 | TS 26.104 v0.3.0 ANSI-C code for the Floating-Point AMR Speech Codec (R 99) | SA WG4 | 5.4.2 | Approval | |
| SP-000023 | GSM TR 06.76 v2.0.0 Adaptive Multi-Rate (AMR) Speech Codec; Study Phase Report (R 98) | SA WG4 | 5.4.3 | Information | |
| SP-000024 | TR 26.901 v2.0.0 AMR Wideband Speech Codec Feasibility Study Report (R 00) | SA WG4 | 5.4.3 | Approval | |
| SP-000025 | 11 CRs on AMR | SA WG4 | 5.4.3 | Approval | |
| SP-000026 | One CR on Tandem Free Operation - CR GSM 08.62-A002 rev1 on TFO Message Extensibility | SA WG4 | 5.4.3 | Approval | |
| SP-000027 | AMR Wideband Permanent project document WB-3: Performance Requirements v2.0 | SA WG4 | 5.4.3 | Approval | |
| SP-000028 | AMR Wideband Permanent project document WB-4: Design Constraints v1.0 | SA WG4 | 5.4.3 | Approval | |
| SP-000029 | Draft Report of the All-IP Workshop, version 0.0.2 (AIP-000043) | All-IP WS Secretary | 4 | Information | |
| SP-000030 | Results of TSG SA All-IP Workshop (slides AIP-000042) | All-IP WS Secretary | 4 | Information | |
| SP-000031 | Future work of SA1 on Release 2000 | BT | 6.6 | Discussion | |
| SP-000032 | Release 2000 Services and Capabilities | BT | 6.6 | Discussion | |
| SP-000033 | Release 2000 - Work Planning and Management | BT | 6.6 | Discussion | |
| SP-000034 | Release 2000 Options | BT | 6.6 | Discussion | |
| SP-000035 | Completion of Release 99 | BT | 6.5 | Discussion | |
| SP-000036 | Objectives for Release 2000 | BT | 6.6 | Discussion | |
| SP-000037 | 21.101 v 2.3.0 | MCC | 7.2 | Approval | SP-000104 |
| SP-000038 | List of Specifications not included in Release 1999 | MCC | 7.2 | Information | SP-000154 |
| SP-000039 | Electronic Working within TSGs and Working Groups (Version 1.1) | BT | 9 | Information | |
| SP-000040 | GSMA ISG activity on Typical Radio Parameter sets | GSMA ISG (IMT-2000 Steering Group) | 4.2 | Information | |
| SP-000041 | Typical Radio Parameter Sets Document submission | GSMA ISG (IMT-2000 Steering Group) | 4.2 | Information | |
| SP-000042 | Status report from SA WG3 to SA#7 | SA WG3 Vice Chairman | 5.3.1 | Information | |
| SP-000043 | MAP Security Status Report | SA WG3 | 5.3.2 | Discussion | |

| NUMBER | TITLE | SOURCE | AGENDA ITEM | Document for | REPLACED BY |
|-----------|--|-------------------------------|-------------|--------------------------|-------------|
| SP-000044 | CR to 33.102 on MAP Security | SA WG3 | 5.3.3 | Approval | |
| SP-000045 | CRs on Refinement of EUIC | SA WG3 | 5.3.3 | Approval | SP-000075 |
| SP-000046 | Miscellaneous CRs to 33.102 | SA WG3 | 5.3.3 | Approval | SP-000112 |
| SP-000047 | CR to 33.103 on Alignment of integration Guidelines with Security Architecture | SA WG3 | 5.3.3 | Approval | |
| SP-000048 | Miscellaneous CRs to 33.105 | SA WG3 | 5.3.3 | Approval | |
| SP-000049 | General Report from ETSI SAGE on the Design, Specification and Evaluation of 3GPP Standard Confidentiality and Integrity Algorithms. For Publication as a 3GPP TR. | SA WG3 | 5.3.2 | Approval | |
| SP-000050 | Status of VHE/OSA | Siemens | 6.5 | Discussion | |
| SP-000051 | Status report from SA WG1 to SA#7 | SA WG1 | 5.1.1 | Information | |
| SP-000052 | Slide presentation of SA WG1 status report | SA WG1 | 5.1.1 | Information | |
| SP-000053 | CR to 22.001 on procedure for call progress indications | SA WG1 | 5.1.3 | Approval | |
| SP-000054 | CR to 22.002 on corrections on 3.1kHz audio support | SA WG1 | 5.1.3 | Approval | |
| SP-000055 | CRs to 22.011 | SA WG1 | 5.1.3 | Approval | |
| SP-000056 | CRs to 22.030 | SA WG1 | 5.1.3 | Approval | |
| SP-000057 | CR to 22.034 on HSCSD changes for 3GPP | SA WG1 | 5.1.3 | Approval | |
| SP-000058 | CRs to 22.038 | SA WG1 | 5.1.3 | Approval | |
| SP-000059 | CRs to 22.060 and GSM 02.60 | SA WG1 | 5.1.3 | Approval | |
| SP-000060 | CRs to 02.07, 22.101 and 22.060 on support of encryption in GPRS MS | SA WG1 | 5.1.3 | Approval | |
| SP-000061 | CRs to 02.66 and 22.066 on Service provider number portability | SA WG1 | 5.1.3 | Approval | |
| SP-000062 | CRs to 22.078 | SA WG1 | 5.1.3 | Approval | |
| SP-000063 | CR to 22.090 on UCS2 character set | SA WG1 | 5.1.3 | Approval | |
| SP-000064 | CR to 22.100 on SolSA applicability | SA WG1 | 5.1.3 | Approval | |
| SP-000065 | CRs to 22.105 | SA WG1 | 5.1.3 | Approval | |
| SP-000067 | CRs to 22.121 | SA WG1 | 5.1.3 | Approval | |
| SP-000068 | CRs to 22.135 and 22.004 on MultiCall | SA WG1 | 5.1.3 | Approval | |
| SP-000069 | CRs to 22.001 and 22.003 on editorial modifications regarding SMS CB to CBS | SA WG1 | 5.1.3 | Approval | |
| SP-000070 | CRs to 22.101 | SA WG1 | 5.1.3 | Approval | |
| SP-000071 | CRs to 22.003, 22.011 and 22.060 on Release 2000 | SA WG1 | 5.1.3 | Approval | |
| SP-000072 | TR 21.905 : Vocabulary | SA WG1 | 5.1.3 | Approval | |
| SP-000073 | TR 22.976 : Release 2000 service requirements | SA WG1 | 5.1.3 | Approval | |
| SP-000074 | Standardization of an All-IP Network | GSM North America | 4.2 | Discussion | |
| SP-000075 | CRs on Refinement of EUIC (revision of S3-000045) | SA WG3 | 5.3.3 | Approval | |
| SP-000076 | Proposed Procedures for joint control of 3GPP AKA | SA WG3 | 5.3.2 | Discussion | |
| SP-000077 | CRs to 33.102 | SA WG3 | 5.3.3 | Approval | |
| SP-000078 | Creation of release 2000 specifications | MCC | 7.2 | Decision | |
| SP-000079 | Specification status list before TSG Meetings #7 | MCC | 7.3 | Information | |
| SP-000080 | Specification status list at end of TSG SA Meeting #7 | MCC | 7.3 | Information | |
| SP-000081 | Architecture model for Release 2000 | SAMSUNG ELECTRONICS CO., LTD. | 6.6 | Information / Discussion | |
| SP-000082 | TSG SA WG2 status report (powerpoint presentation) | SA WG2 Chairman | 5.2.1 | Information | |
| SP-000083 | TSG SA WG2 status report (Word document) | SA WG2 Chairman | 5.2.1 | Information | |
| SP-000084 | 23.002 and 03.02 CRs | SA WG2 | 5.2.3 | Approval | |
| SP-000085 | 23.032 CRs | SA WG2 | 5.2.3 | Approval | |
| SP-000086 | 23.060 and 03.60 CRs | SA WG2 | 5.2.3 | Approval | |
| SP-000087 | 23.107 CRs | SA WG2 | 5.2.3 | Approval | |
| SP-000088 | 23.121 CRs | SA WG2 | 5.2.3 | Approval | |
| SP-000089 | 23.127 v.2.0.0 | SA WG2 | 5.2.3 | Approval | |
| SP-000090 | 23.171 v.2.0.0 | SA WG2 | 5.2.3 | Approval | |
| SP-000091 | List of LSs handled by SA2 between SA#6 and SA#7 | SA WG2 | 5.2.3 | Information | |
| SP-000092 | LS from SA2 to SA (Cc CN, T, RAN) on Enhanced User Identity Confidentiality (S2-000587) | SA WG2 | 5.2.2 | Discussion | |
| SP-000093 | LS from SA2 to N1, S1 (Cc SA) on adaptation of 23.060 terminology with the N1 terminology agreement (S2-000611) | SA WG2 | 5.2.2 | Information | |
| SP-000094 | LS from SA2 to SA, CN, T (Cc N WG2, TSG RAN WG3, TSG SA WG4) on Transcoder Free Operation (TrFO) and Out of Band transcoder Control (OoBTc) for R99 (S2-000616) | SA WG2 | 5.2.2 | Discussion | |
| SP-000095 | LS from SA2 to SA (Cc S1) Information on VHE/OSA work (S2-000617) | SA WG2 | 5.2.2 | Discussion | |
| SP-000096 | LS from SA2 to S1, S1 R00 ad-hoc (Cc CN, CN1, SA) on Definitions for R00 (S2-000618) | SA WG2 | 5.2.2 | Information | |

| NUMBER | TITLE | SOURCE | AGENDA ITEM | Document for | REPLACED BY |
|-----------|--|----------------------------------|-------------|-------------------------|-------------|
| SP-000097 | Review of SA2 open issues identified at SA#6 | SA WG2 | 5.2.2 | Discussion | |
| SP-000098 | Review of open issues on 23.002 | SA WG2 | 5.2.2 | Discussion | |
| SP-000099 | Review of open issues on 23.060 | SA WG2 | 5.2.2 | Discussion | |
| SP-000100 | Review of open issues on 23.107 | SA WG2 | 5.2.2 | Discussion | |
| SP-000101 | Review of open issues on 23.121 | SA WG2 | 5.2.2 | Discussion | |
| SP-000102 | Design base for the IP Multimedia | Ericsson | | Discussion | SP-000157 |
| SP-000103 | 3GPP/IETF Interworking | Ericsson | | Discussion | SP-000158 |
| SP-000104 | 21.101 v 2.4.0 (replaces SP-000017) | MCC | 7.2 | Approval | SP-000160 |
| SP-000105 | CRs to 23.110 | SA WG2 | 5.2.3 | Approval | |
| SP-000106 | Proposed WI: Enable bearer independent CS network architecture | SA WG2 | 5.2.2 | Approval | SP-000149 |
| SP-000107 | Proposed WI: An architecture for CC and roaming to support IP-based MM Services in UMTS | SA WG2 | 5.2.2 | Approval | SP-000150 |
| SP-000108 | Proposed list of IGCs, features, building blocks, work tasks for Release 2000 | SA WG2 | 7.2 | Discussion | |
| SP-000109 | Definition of Features, BBs and WTs | SA WG2 | 7.2 | Discussion | |
| SP-000110 | LS reponse to TIPHON WG5 on TIPHON QoS | SA WG2 | 5.2.2 | Information | |
| SP-000111 | Liaison Statement to SA, CN and CN WG2 on MAP security | SA WG3 | 5.3.2 | Discussion | |
| SP-000112 | Miscellaneous CRs to 33.102 (replacement of SP-000046) | SA WG3 | 5.3.3 | Approval | |
| SP-000113 | Draft LS to IETF AVT Working Group on 3GPP requirements for real-time packet-switched multimedia services | Matsushita | 5.8 | Approval | |
| SP-000114 | LS to IETF Audio/Video Transport Working Group | Matsushita | 5.8 | Information | |
| SP-000115 | Background for Global Text Telephony (Presentation slides) | Ericsson | 6.6 | Presentation | |
| SP-000116 | Requirements and Objectives for Global Text Telephony | Ericsson | 6.6 | Discussion | |
| SP-000117 | Proposed Work Item description for Global text Telephony | Ericsson | 6.6 | Approval | SP-000162 |
| SP-000118 | Work plan for the design of the 3GPP Authentication Algorithm (MCC Task Force) | ETSI SAGE/ SA WG3 | 5.3.1 | Information | |
| SP-000119 | SA5 report on RAN O&M consistency issue | SA WG5 | 5.5.2 | Information | |
| SP-000120 | Powerpoint presentation: Examples of Features, Buiding Blocks and Work Tasks | SA WG2 | 7.2 | Discussion | |
| SP-000121 | Discussion paper for GPRS encryption | SA WG3 | 5.3.1 | Information | |
| SP-000122 | Security / Emergency Call (Integrity Check without USIM) | Siemens AG | 5.3.1 | Analysis/Co nsideration | |
| SP-000123 | CR to 22.078: Correction of Announcement capabilities | Alcatel | 5.1.3 | Approval | |
| SP-000124 | UMTS Forum focus for year 2000 and beyond: Extended vision | UMTS Forum | 4.2 | Presentation | |
| SP-000125 | TSG-T Status report to TSG SA #7 | TSG T Chairman | 4.1 | Presentation | |
| SP-000126 | High level summary of R99 for TSG T WGs | TSG T Chairman | 4.1 | Information | |
| SP-000127 | TSG T update to list of outstanding R99 issues | TSG T Chairman | 6.5 | Discussion | |
| SP-000128 | New work items approved at TSG T #7 | TSG T | 4.1 | Information | |
| SP-000129 | LS on organisation of the work on VHE/OSA Release 2000 | TSG_CN | 6.1 | | |
| SP-000130 | LS on organisation of the work on VHE/OSA Release 2000 | TSG_CN | 6.1 | | |
| SP-000131 | Status of Ciphering and Integrity Algorithm distribution | MCC | 8 | | |
| SP-000132 | CAMEL 3, announcements during a call | Siemens AG | | Decision | |
| SP-000133 | Move of CAMEL user interaction to CAMEL phase 4 | Alcatel | | Decision | |
| SP-000134 | Collaboration on Wideband speech codec development | TSG SA4 | 5.4.1 | Information | |
| SP-000135 | 3 more CRs on 23.060 V. 3.2.1 | TSG SA2 | 5.2.3. | Approval | |
| SP-000136 | LS from T1 cc TSG-T "Distribution of a proposal for prioritisation of the elaboration of conformance test cases for 3G terminals." | T1 | | | |
| SP-000137 | Liaison Statement on Standardization/Specification of NNI (Network-to-Network Interface) standardization with Other IMT-2000 Family Member Systems | TSG-CN | 6.1 | Discussion | |
| SP-000138 | Meeting on Cooperation with ITU-T SG11 | : ITU-T Coordination Adhoc Chair | 4.2 | Information | |
| SP-000139 | Megaco-H.248 / SIP | Giuseppe Ricagni | | | |
| SP-000140 | TSG CN Status Report | CN Chairman | 6.1 | Information | |
| SP-000141 | TSG CN Status Report (PPT version) | CN Chairman | 6.1 | Information | SP-000151 |
| SP-000142 | Response to the liaison from RAN2 on UE radio access capabilities and relation to conformance testing | TSG SA | 4.1 | Action | |
| SP-000143 | CR 22.011 on network selection | T-Mobil, FT, MaxMobil | 5.9 | Approval | SP-000167 |
| SP-000144 | Draft Report of the 7th TSG RAN meeting | TSG RAN Secretaray | 6.2.1 | Information | |

| NUMBER | TITLE | SOURCE | AGENDA ITEM | Document for | REPLACED BY |
|-----------|--|--|-------------|--------------|-------------|
| SP-000145 | Unfinished items proposed for inclusion in R99 | TSG RAN | 6.2.3. | Approval | |
| SP-000146 | Unfinished items not for inclusion in R99 | TSG RAN | 6.2.3 | Approval | |
| SP-000147 | Revised proposal for creation of release 2000 specifications | TSG RAN | 7.3 | Approval | |
| SP-000148 | 3GPP RAN#7 meeting report | TSG RAN Chairman | | Information | |
| SP-000149 | Proposed WI: Enable bearer independent circuit-switched network architecture | TSG SA WG2 | 9 | Approval | |
| SP-000150 | Proposed WI: An architecture for Call control and roaming to support IP-based multimedia services in UMTS | TSG SA WG2 | 9 | Approval | |
| SP-000151 | TSG CN Status Report (PPT version) | CN Chairman | 6.1 | Information | |
| SP-000152 | CR to 22.038 OO Revision 1 Addition of requirements for bearer independent data transfer feature | TSG T2, T3 Chairmen | 5.1 | Approval | |
| SP-000153 | Open Issues for Release 99 List | TSG T | | | |
| SP-000154 | List of Specifications not included in Release 1999 | MCC | 7.2 | Information | SP-000172 |
| SP-000155 | Approval of OSA for R99 | Alcatel, Ericsson, France Telecom, Marconi Communications, Nokia, SIEMENS AG, Telenor, Telia, T-Mobil, Vodafone AirTouch | 6.5 | Decision | |
| SP-000156 | DRAFT LS to GSM-A on Authentication Algorithm | 3GPP TSG SA (drafting person) | 5.3 | Decision | |
| SP-000157 | Design base for the IP Multimedia (powerpoint presentation) | Ericsson | | Discussion | |
| SP-000158 | Establishing working relation with IETF (powerpoint presentation) | Ericsson | | Discussion | |
| SP-000159 | Latest developments in MCC | MCC | 8 | Information | |
| SP-000160 | 21.101 v 2.5.0 (replaces SP-000017) | MCC | 7.2 | Approval | |
| SP-000161 | CR 12.15 GTP' header length fixing, r2 | Nokia | 5.5. | Approval | |
| SP-000162 | Proposed Work Item description for Global text Telephony | Ericsson | 6.6 | Approval | |
| SP-000163 | 3GPP RAN#7 meeting report | TSG RAN Chairman | | Information | |
| SP-000164 | Open Issues for Release 99 List | | | | SP-000166 |
| SP-000165 | Invitation to the 3GPP TSG SA WG2 Drafting Meeting on Call Control and its joint session with N1 | Nokia | | Information | |
| SP-000166 | Open Issues for Release 99 List | Chairman | | Discussion | SP-000169 |
| SP-000167 | CR 22.011 on network selection | T-Mobil, FT, MaxMobil | 5.9 | Approval | SP-000170 |
| SP-000168 | Draft LS to N1 and T3 On the introduction of the user controlled switched of the priority of the user and operator preferred PLMN list | T-Mobil | 5.9 | Approval | SP-000171 |
| SP-000169 | Open Issues for Release 99 List | Chairman | | Discussion | |
| SP-000170 | CR 22.011 on network selection | T-Mobil, FT, MaxMobil | 5.9 | Approval | |
| SP-000171 | Draft LS to N1 and T3 On the introduction of the user controlled switched of the priority of the user and operator preferred PLMN list | T-Mobil | 5.9 | Approval | |
| SP-000172 | List of Specifications not included in Release 1999 | MCC | 7.2 | Information | |

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Annex D: Status list of Specifications and Reports after TSG SA Meeting #7 ("March 2000 Release")

| Type | Number | Title | Ver at TSG#6 | Rel | planned/achieved V3 | TSG/WG | Editor | Comment |
|------|--------|--|--------------|-----|---------------------|--------|---------------------|--|
| TS | 21.101 | 3rd Generation mobile system Release 1999 Specifications | 3.0.1 | R99 | Mar 00 | S | John M Meredith | Aprvl by e-mail post TSG#6: 2.1.0 - comments: 2.2.0; TSG#7:2.3.0(SF000037),2.4.0(SP-000104),2.5(SP-000xxx) 3.0.0 |
| TS | 21.111 | USIM and IC card requirements | 3.1.0 | R99 | April 99 | T3 | Günter Maringer | TSG#7: 3.1.0 |
| TS | 21.133 | Security Threats and Requirements | 3.1.0 | R99 | April 99 | S3 | Per Christoffersson | |
| TS | 21.200 | 3GPP drafting rules | 0.0.1 | R99 | | | John M Meredith | Formal doc created after TSG#7. |
| TR | 21.810 | Multi-mode UE issues | 2.0.0 | R99 | Mar 00 | T2 | Sofi Persson | TSG#7:2.0.0 - number changed from 21.910. Not approved. 2.0.0 |
| TR | 21.900 | 3GPP Working methods | 3.2.0 | R99 | April 99 | S | John M Meredith | |
| TR | 21.904 | UE Capability Requirements (UCR) | 3.0.1 | R99 | Mar 00 | T2 | Craig Bishop | TSG-T#7 is the new target for approval as part of R99. TSG#7:2.0.0(T |
| TR | 21.905 | 3G Vocabulary | 3.0.0 | R99 | Mar 00 | S1 | Michele Zarri | TSG#7:(SP-000072) 3.0.0 |
| TR | 21.978 | Feasibility Technical Report – CAMEL Control of VoIP Services | 2.1.0 | R99 | Mar 00 | N2A | David Smith | Not approved N#6. |
| TS | 22.001 | Principles of CircuitTelecommunication Services Supported by a Public Land Mobile Network (PLMN) | 3.2.0 | R99 | | S1 | Tommi Kokkola | Transfer>TSG#5. TSG#7: 3.2.0 |
| TS | 22.002 | Circuit Bearer Services Supported by a PLMN | 3.3.0 | R99 | Oct 99 | S1 | Paul Carpenter | TSG#7: 3.3.0 |
| TS | 22.003 | Circuit Teleservices supported by a Public Land Mobile Network (PLMN) | 3.2.0 | R99 | | S1 | Tommi Kokkola | Transfer>TSG#5, CR@TSG#6. TSG#7: 3.2.0 |
| TS | 22.003 | Circuit Teleservices supported by a Public Land Mobile Network (PLMN) | 4.0.0 | R00 | | S1 | Tommi Kokkola | TSG#7: 4.0.0 |
| TS | 22.004 | General on Supplementary Services | 3.2.1 | R99 | Oct 99 | S1 | Paul Carpenter | CR@TSG#6. TSG#7: 3.2.0 |
| TS | 22.011 | Service accessibility | 3.2.0 | R99 | Oct 99 | S1 | Jean-Paul Gallaire | TSG#7: 3.2.0 |
| TS | 22.011 | Service accessibility | 4.0.0 | R00 | Oct 99 | S1 | Jean-Paul Gallaire | TSG#7: 4.0.0 |
| TS | 22.016 | International Mobile Equipment Identities (IMEI) | 3.1.0 | R99 | Oct 99 | S1 | Tommi Kokkola | |
| TS | 22.022 | Personalisation of GSM ME Mobile functionality specification - Stage 1 | 3.0.1 | R99 | Oct 99 | S3 | | |
| TS | 22.024 | Description of Charge Advice Information (CAI) | 3.0.1 | R99 | Oct 99 | S1 | Paul Dwyer | |
| TS | 22.030 | Man-Machine Interface (MMI) of the Mobile Station (MS) | 3.3.0 | R99 | Oct 99 | S1 | Annuikka Toivanen | TSG#7: 3.3.0 |
| TS | 22.034 | High Speed Circuit Switched Data (HSCSD) - Stage 1 | 3.2.0 | R99 | Oct 99 | S1 | Tommi Kokkola | TSG#7: 3.2.0 |
| TS | 22.038 | SIM application toolkit (SAT); Stage 1 | 3.1.0 | R99 | Oct 99 | S1 | Bill Robinson | TSG#7: 3.1.0 |
| TS | 22.041 | Operator Determined Call Barring | 3.1.0 | R99 | Oct 99 | S1 | Paul Dwyer | |
| TS | 22.042 | Network Identity and Time Zone (NITZ), stage 1 | 3.0.1 | R99 | Oct 99 | S1 | Mikael Dahlkvist | CR to 3.0.1 not aprvd. |
| TS | 22.043 | Support of Localised Service Area (SoLSA) - Stage 1 | 3.0.1 | R99 | Oct 99 | S1 | Tommi Kokkola | |
| TS | 22.053 | Tandem Free Operation of speech codecs; Stage 1 service description | 0.1.1 | R00 | tbd | S4 | | |
| TS | 22.057 | Mobile Station Application Execution Environment (MExE); Stage 1 | 3.0.1 | R99 | Oct 99 | S1 | Mark Cataldo | |
| TS | 22.060 | General Packet Radio Service (GPRS); Stage 1 | 3.3.0 | R99 | Oct 99 | S1 | Paul Carpenter | TSG#7: 3.3.0 |
| TS | 22.060 | General Packet Radio Service (GPRS); Stage 1 | 4.0.0 | R00 | Oct 99 | S1 | Paul Carpenter | TSG#7: 4.0.0 |
| TS | 22.066 | Support of Mobile Number Portability (MNP); Stage 1 | 3.2.0 | R99 | Oct 99 | S1 | | TSG#7:(not 3.1.0!) 3.2.0 |

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|----|--------|---|-------|-----|----------|-------------|----------------------|---|
| TS | 22.067 | enhanced Multi-Level Precedence and Pre-emption service (eMLPP) - Stage 1 | 3.0.1 | R99 | Oct 99 | S1 | Joerg Swetina | |
| TS | 22.071 | Location Services (LCS); Stage 1 (T1P1) | 3.2.0 | R99 | Oct 99 | S1 | Randolph Wholert | |
| TS | 22.072 | Call Deflection (CD); Stage 1 | 3.0.1 | R99 | Oct 99 | S1 | Horst Rauch | |
| TS | 22.078 | CAMEL; Stage 1 | 3.3.0 | R99 | Oct 99 | S1 | Michel Grech | TSG#7: 3.3.0 |
| TS | 22.079 | Support of Optimal Routing; Stage 1 | 3.0.1 | R99 | Oct 99 | S1 | | |
| TS | 22.081 | Line Identification Supplementary Services; Stage 1 | 3.1.0 | R99 | Oct 99 | S1 | Thomas Ahnberg | |
| TS | 22.082 | Call Forwarding (CF) Supplementary Services; Stage 1 | 3.0.1 | R99 | Oct 99 | S1 | Jean Paul Gallaire | |
| TS | 22.083 | Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 1 | 3.0.1 | R99 | Oct 99 | S1 | | |
| TS | 22.084 | MultiParty (MPY) Supplementary Service; Stage 1 | 3.0.1 | R99 | Oct 99 | S1 | | |
| TS | 22.085 | Closed User Group (CUG) Supplementary Services; Stage 1 | 3.1.0 | R99 | Oct 99 | S1 | | |
| TS | 22.086 | Advice of Charge (AoC) Supplementary Services; Stage 1 | 3.1.0 | R99 | Oct 99 | S1 | Paul Dwyer | #5: 3.1.0 |
| TS | 22.087 | User-to-user signalling (UUS); Stage 1 | 3.1.0 | R99 | Oct 99 | S1 | Christian Braden | #5: 3.0.1, but should have been 3.1.0 to include a CR wrongly attributed |
| TS | 22.088 | Call Barring (CB) Supplementary Services; Stage 1 | 3.0.1 | R99 | Oct 99 | S1 | | |
| TS | 22.090 | Unstructured Supplementary Service Data (USSD); Stage 1 | 3.1.0 | R99 | Oct 99 | S1 | Tommi Kokkola | TSG#7: 3.1.0 |
| TS | 22.091 | Explicit Call Transfer (ECT) Supplementary Service; Stage 1 | 3.0.1 | R99 | Oct 99 | S1 | | |
| TS | 22.093 | Call Completion to Busy Subscriber (CCBS); Stage 1 | 3.0.1 | R99 | Oct 99 | S1 | | |
| TS | 22.094 | Follow Me Stage 1 | 3.1.0 | R99 | Dec 99 | S1 | | Transfer>TSG#6 |
| TS | 22.096 | Calling Name Presentation (CNAP); Stage 1 (T1P1) | 3.0.1 | R99 | Oct 99 | S1 | | |
| TS | 22.097 | Multiple Subscriber Profile (MSP); Stage 1 | 3.1.0 | R99 | Oct 99 | S1 | Paul Dwyer | |
| TS | 22.100 | UMTS Phase 1 | 3.6.0 | R99 | April 99 | S1 | Jean-Paul Gallaire | CR@TSG#6; 3.7.0 awaiting attention from MCC expert; who later say version. TSG#7: 3.6.0 |
| TS | 22.101 | UMTS Service principles | 3.9.0 | R99 | April 99 | S1 | Paul Dwyer | TSG#7: 3.9.0 |
| TS | 22.105 | Services & Service capabilities | 3.8.0 | R99 | April 99 | S1 | Wayne Ashwell | TSG#7: 3.8.0 |
| TS | 22.115 | Service Aspects Charging and billing | 3.3.0 | R99 | April 99 | S1 | Emanuele Montegrosso | TSG#7: 3.3.0 |
| TS | 22.121 | Provision of Services in UMTS - The Virtual Home Environment | 3.2.0 | R99 | June 99 | S1 | Jumoke Ogunbekum | TSG#7: 3.2.0 |
| TS | 22.129 | Handover Requirements between UMTS and GSM or other Radio Systems | 3.2.0 | R99 | April 99 | S1 | Nick Samson | |
| TS | 22.135 | Multicall Stage 1 | 3.2.0 | R99 | Dec 99 | S1 | Tommi Kokkola | TSG#7: 3.2.0 |
| TS | 22.140 | Multimedia Messaging Service Stage 1 | 3.0.0 | R99 | Dec 99 | S1 | Gunnar Schmidt | |
| TR | 22.945 | Study of provision of fax service in GSM and UMTS | 3.0.0 | R99 | Oct 99 | T2 / SMG0 3 | Eric Colban | |
| TR | 22.960 | Mobile multimedia services | 3.0.1 | R99 | April 99 | S1 | Thomas Ahnberg | |
| TR | 22.971 | Automatic establishment of roaming relationships | 3.1.1 | R99 | April 99 | S1 | Emanuele Montegrosso | |
| TR | 22.975 | Advanced addressing | 3.1.0 | R99 | April 99 | S1 | Stephan Kleier | |
| TR | 22.976 | Study on PS domain services and capabilities | 1.0.0 | R00 | Dec 00 | S1 | Marc Cataldo | TSG#7:(SP-000073) 1.0.0 |
| TS | 23.002 | Network Architecture | 3.3.0 | R99 | Oct 99 | S2 | Alain Sultan | Open issues to be finalized by TSG#7. TSG#7: 3.3.0 |
| TS | 23.003 | Numbering, Addressing and Identification | 3.4.0 | R99 | April 99 | N2B | | TSG#7: 3.4.0 |
| TS | 23.007 | Restoration procedures | 3.3.0 | R99 | April 99 | N2B | | TSG#7: 3.3.0 |
| TS | 23.008 | Organisation of subscriber data | 3.3.0 | R99 | April 99 | N2B | | TSG#7: 3.3.0 |
| TS | 23.009 | Handover procedures | 3.2.0 | R99 | April 99 | N1 | | TSG#7: 3.2.0 |

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|----|--------|--|-------|-----|----------|-----|--------------------------------------|---|
| TS | 23.011 | Technical Realization of Supplementary Services - General Aspects | 3.0.0 | R99 | April 99 | NSS | | |
| TS | 23.012 | Location management procedures | 3.2.0 | R99 | April 99 | N2B | | TSG#7: 3.2.0 |
| TS | 23.014 | Support of Dual Tone Multi Frequency (DTMF) signalling | 3.1.0 | R99 | April 99 | N1 | | |
| TS | 23.015 | Technical realisation of Operator Determined Barring (ODB) | 3.1.0 | R99 | April 99 | N2B | Ian Park | |
| TS | 23.016 | Subscriber data management - Stage 2 | 3.4.0 | R99 | April 99 | N2B | | TSG#7: 3.4.0 |
| TS | 23.018 | Basic Call Handling - Technical realisation | 3.4.0 | R99 | April 99 | N2B | Ian Park | TSG#7: 3.4.0 |
| TS | 23.032 | Universal Geographical Area Description (GAD) | 3.1.0 | R99 | April 99 | S2 | | TSG#7: 3.1.0 |
| TS | 23.034 | High Speed Circuit Switched Data (HSCSD) - Stage 2 | 3.2.0 | R99 | April 99 | N1 | Ian Harris | TSG#7: 3.2.0 |
| TS | 23.038 | Alphabets & Language | 3.3.0 | R99 | June 99 | T2 | Ian Harris | additional CR for R99 on SMS enhanced message content expected & evidently not. |
| TR | 23.039 | Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs) | 3.1.0 | R99 | June 99 | T2 | Ian Harris | |
| TS | 23.040 | Technical realisation of Short Message Service | 3.4.0 | R99 | June 99 | T2 | Ian Harris | additional CR for R99 on SMS enhanced message content expected TSG#7: 3.4.0 |
| TS | 23.041 | Technical Realization of Cell Broadcast Service | 3.2.0 | R99 | Oct 99 | T2 | | additional CR for R99 on UMTS amendments expected at TSG-T#7. |
| TS | 23.042 | Compression algorithm for SMS | 3.1.0 | R99 | June 99 | T2 | Ian Harris | |
| TS | 23.046 | Technical realisation of facsimile Group 3 service - non-transparent | 3.0.0 | <?> | | | | 3.0.0 Apr 99 |
| TS | 23.054 | Shared Interworking Functions - Stage 2 | 3.0.0 | R99 | April 99 | N3 | Tommy Rostö | |
| TS | 23.057 | Mobile Station Application Execution Environment (MEExE) | 3.1.1 | R99 | Dec 99 | T2 | Mark Cataldo | TSG#7: 3.1.0 |
| TS | 23.060 | General Packet Radio Service (GPRS) Service description; Stage 2 | 3.3.0 | R99 | Apr 99 | S2 | Hans-Petter Naper | Open issues to be finalized by TSG#7 (expect 3.2.1 2000-01-12). TSG#7: 3.3.0 |
| TS | 23.066 | Support of GSM Mobile Number Portability (MNP) stage 2 | 3.2.0 | R99 | Oct 99 | N2B | | TSG#7: 3.2.0 |
| TS | 23.067 | Enhanced Multi-Level Precedence and Preemption Service (EMLPP) - Stage 2 | 3.1.0 | R99 | April 99 | NSS | | TSG#7: 3.1.0 |
| TS | 23.072 | Call Deflection Supplementary Service - Stage 2 | 3.2.0 | R99 | April 99 | NSS | | |
| TS | 23.073 | Support of Localised Service Area (SoLSA) - Stage 2 | 3.0.0 | R99 | Oct 99 | NSS | | |
| TS | 23.078 | CAMEL Stage 2 | 3.4.0 | R99 | April 99 | N2A | Christian Hohmann/ Sumio Miyagawa | TSG#7:Aprvl CRs 56r3 & 18 by e-mail by 31-mar-00. 3.4.0 |
| TS | 23.079 | Support of Optical Routeing - Phase 1 - Stage 2 | 3.3.0 | R99 | April 99 | N2B | Ian Park | TSG#7: 3.3.0 |
| TS | 23.081 | Line Identification Supplementary Services - Stage 2 | 3.0.0 | R99 | April 99 | NSS | | |
| TS | 23.082 | Call Forwarding (CF) Supplementary Services - Stage 2 | 3.2.0 | R99 | April 99 | NSS | | TSG#7: 3.2.0 |
| TS | 23.083 | Call Waiting (CW) and Call Hold (HOLD) Supplementary Service - Stage 2 | 3.1.0 | R99 | April 99 | NSS | | |
| TS | 23.084 | MultiParty (MPTY) Supplementary Service - Stage 2 | 3.1.0 | R99 | April 99 | NSS | | |
| TS | 23.085 | Closed User Group (CUG) Supplementary Service - Stage 2 | 3.0.0 | R99 | April 99 | NSS | | |
| TS | 23.086 | Advice of Charge (AoC) Supplementary Service - Stage 2 | 3.0.0 | R99 | April 99 | NSS | | |
| TS | 23.087 | User-to-User Signalling (UUS) - Stage 2 | 3.0.0 | R99 | April 99 | NSS | | |
| TS | 23.088 | Call Barring (CB) Supplementary Service - Stage 2 | 3.1.0 | R99 | April 99 | NSS | | TSG#7: 3.2.0 |
| TS | 23.090 | Unstructured Supplementary Service Data (USSD) - Stage 2 | 3.1.0 | R99 | April 99 | NSS | | |
| TS | 23.091 | Explicit Call Transfer (ECT) Supplementary Service - Stage 2 | 3.1.0 | R99 | April 99 | NSS | | |
| TS | 23.093 | Call Completion to Busy Subscriber (CCBS) - Stage 2 | 3.1.0 | R99 | April 99 | NSS | | |
| TS | 23.094 | Follow Me Stage 2 | 3.1.0 | R99 | Dec 99 | CN | | Transfer>TSG#6. TSG#7: 3.1.0 |
| TS | 23.096 | Name Identification Supplementary Service - Stage 2 | 3.0.0 | R99 | April 99 | NSS | | |
| TS | 23.097 | Multiple Subscriber Profile (MSP); Stage 2 | 3.1.1 | R99 | Oct 99 | NSS | | TSG#7: 3.1.1 |
| TS | 23.101 | General UMTS Architecture | 3.0.1 | R99 | June 99 | S2 | Magnus Olsson | |

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|----|--------|--|-------|-----|----------|----------|---------------------------|---|
| TS | 23.107 | Quality of Service, Concept and Architecture | 3.2.0 | R99 | Oct 99 | S2 | Marc Greis | TSG#7: 3.2.0 |
| TS | 23.108 | Mobile Radio Interface Layer 3 specification Core Network Protocols stage 2 (structured procedures) | 3.2.0 | R99 | June 99 | N1 | | TSG#7: 3.2.0 |
| TS | 23.110 | UMTS Access Stratum Services and Functions | 3.4.0 | R99 | Mar 00 | S2 | Oscar Lopez – Torres | TSG#7: 3.4.0 |
| TS | 23.116 | Super Charger - Stage 2 | 3.0.0 | R99 | Mar 00 | N2B | Nicholas Alen | TSG#7:2.1.0, 3.0.0 |
| TS | 23.119 | Gateway Location Register (GLR) - Stage2 | 3.0.0 | R99 | Mar 00 | N2B | Masahiro Sawada | Functionally frozen by CN#6, CN#7 is the new target for approval as per TSG#7:2.0.0 (NP-000108) 3.0.0 |
| TS | 23.121 | Architecture Requirements for release 99 | 3.3.0 | R99 | June 99 | S2 | Liz Daniel | TSG#7: 3.3.0 |
| TS | 23.122 | Non Access Stratum functions related to Mobile Station (MS) in idle mode | 3.2.0 | R99 | April 99 | N1 | | Created at TSG#6, CR@TSG#6, Was briefly 23.022. But regenerated June99. Expect 3.1.0 to correct erroneous incorporation of a CR. Expect erroneously incorporated CR. TSG#7: 3.2.0 |
| TS | 23.127 | Virtual Home Environment / Open Service Architecture | 3.0.0 | R99 | Mar 00 | S2 | Christophe Gourraud | TSG#7:2.0.0 (SP-000089) 3.0.0 |
| TS | 23.135 | Multicall Stage 2 | 3.0.0 | R99 | Mar 00 | NSS | Kazuo Mitamura | TSG#7:1.1.0->3.0.0 3.0.0 |
| TS | 23.140 | Multimedia Messaging Service (MMS) | 3.0.1 | R99 | Mar 00 | T2 | Gunnar Schmidt | TSG#7: 2.0.0(TP-000028) |
| TS | 23.146 | Technical realisation of facsimile Group 3 service - non-transparent | 1.1.0 | R00 | Mar 00 | N3 | Junichuro Hagiwara | New @ TSG#6, Circuit switched type of Real time Non transparent FAX TSG#7:1.1.0, 4.0.0 |
| TS | 23.153 | Out of Band Transcoder Control - Stage 2 | 3.0.0 | R99 | Mar 00 | N2B | | TSG#7:2.0.0 [argumentin SA over r99 or r00] 3.0.0 |
| TS | 23.171 | Functional stage 2 description of location services in UMTS | 3.0.0 | R99 | Mar 00 | S2 | Jan Käll | TSG#7:2.0.0 (SP-000090), 3.0.0 |
| TR | 23.814 | Separating RR and MM specific parts of the MS Classmark | 3.1.0 | R99 | Dec 99 | N1 | F Yokota | TSG #5: 3.0.0: accidentally 3.1.0, but no tech change. |
| TR | 23.821 | Architecture Principles for Release2000 | 0.0.0 | R00 | June 00 | S2 | Christer Lind | |
| TR | 23.908 | Technical report on Pre-Paging | 3.0.0 | R99 | June 99 | N2B | | |
| TR | 23.909 | Technical report on the Gateway Location Register | 3.0.0 | R99 | June 99 | N2B | | |
| TR | 23.910 | Circuit Switched Data Bearer Services | 3.0.0 | R99 | Mar 00 | N3 | Achim Braun / Erik Colban | TSG#6: 1.0.0 TSG#7:2.0.0->3.0.0 3.0.0 |
| TR | 23.911 | Technical report on Out-of-band transcoder control | 3.0.0 | R99 | Oct 99 | N2 | | |
| TR | 23.912 | Technical report on Super-Charger | 3.0.0 | R99 | Oct 99 | N2 | Ian Sharp | |
| TR | 23.913 | UMTS Turbo-Charger | 1.0.0 | R00 | June 00 | N1 | Sonia Doshi | |
| TR | 23.922 | Architecture for an All IP network | 1.0.0 | R99 | | S2 | | Was suspected to be v3.0.0, but evidently not so. |
| TR | 23.923 | Combined GSM and Mobile IP mobility handling in UMTS IP CN | 3.0.0 | R99 | Dec 99 | S2 | Elisabeth Hubbard | |
| TR | 23.925 | UMTS Core network based ATM transport | 0.2.0 | R99 | Mar 00 | S2 | Adel Rouz | |
| TR | 23.930 | Iu Principles | 3.0.0 | R99 | June 99 | S2 | | |
| TR | 23.972 | Circuit Switched Multimedia Telephony | 3.0.0 | R99 | Mar 00 | N1 | Timo Kauhanen | TSG#7:1.0.0 (NP-000103), 3.0.0 |
| TS | 24.002 | Public Land Mobile Network (PLMN) Access Reference Configuration | 3.0.0 | R99 | Mar 00 | N1 | P.Simmons | |
| TS | 24.007 | Mobile Radio Interface Signalling Layer 3 - General Aspects | 3.3.0 | R99 | Oct 99 | N1 | | TSG#7: 3.3.0 |
| TS | 24.008 | Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3 | 3.3.0 | R99 | April 99 | N1 | | CR@TSG#6, editorial mod later. TSG#7: 3.3.0 |
| TS | 24.010 | Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects | 3.0.0 | R99 | April 99 | NSS | | |
| TS | 24.011 | Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface | 3.2.0 | R99 | Oct 99 | N1 / T2 | | TSG#7: 3.2.0 |
| TS | 24.012 | Short Message Service Cell Broadcast (SMS-CB) Support on the Mobile Radio Interface | 3.0.0 | R99 | Oct 99 | N2B / T2 | | |
| TS | 24.022 | Radio Link Protocol (RLP) for Data and Telematic Services on the (MS-BSS) Interface and the Base Station System - Mobile-services Switching Centre (BSS-MSC) Interface | 3.2.0 | R99 | April 99 | N3 | Norbert Klehn | |

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| TS | 24.030 | Location Services LCS Stage 3 SS (MO-LR) | 0.0.0 | R99 | | N4 / SMG0 3 | Sonia Doshi | TSG#7:Decision to create. |
| TS | 24.065 | General Packet Radio Service (GPRS); Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP) | 3.1.0 | R99 | | N1 | | 2000-02-14: To revert to 2g only 04.65, 24.165 may be required. |
| TS | 24.067 | Enhanced Multi-Level Precedence and Pre-emption service (eMLPP) - Stage 3 | 3.0.0 | R99 | April 99 | NSS | | |
| TS | 24.072 | Call Deflection Supplementary Service - Stage 3 | 3.0.0 | R99 | April 99 | NSS | | |
| TS | 24.080 | Mobile radio Layer 3 Supplementary Service specification - Formats and coding | 3.2.0 | R99 | April 99 | NSS | | T1P1 CR @TSG#6. TSG#7: 3.2.0 |
| TS | 24.081 | Line Identification Supplementary Service - Stage 3 | 3.0.0 | R99 | April 99 | NSS | | |
| TS | 24.082 | Call Forwarding Supplementary Service - Stage 3 | 3.0.0 | R99 | April 99 | NSS | | |
| TS | 24.083 | Call Waiting (CW) and Call Hold (HOLD) Supplementary Service - Stage 3 | 3.0.0 | R99 | April 99 | NSS | | |
| TS | 24.084 | MultiParty (MPY) Supplementary Service - Stage 3 | 3.0.0 | R99 | April 99 | NSS | | |
| TS | 24.085 | Closed User Group (CUG) Supplementary Service - Stage 3 | 3.0.0 | R99 | April 99 | NSS | | |
| TS | 24.086 | Advice of Charge (AoC) Supplementary Service - Stage 3 | 3.0.0 | R99 | April 99 | NSS | | |
| TS | 24.087 | User-to-User Signalling (UUS) - Stage 3 | 3.0.0 | R99 | April 99 | NSS | | |
| TS | 24.088 | Call Barring (CB) Supplementary Service - Stage 3 | 3.0.0 | R99 | April 99 | NSS | | |
| TS | 24.090 | Unstructured Supplementary Service Data (USSD) - Stage 3 | 3.0.0 | R99 | April 99 | NSS | | |
| TS | 24.091 | Explicit Call Transfer (ECT) Supplementary Service - Stage 3 | 3.0.0 | R99 | April 99 | NSS | | |
| TS | 24.093 | Call Completion to Busy Subscriber (CCBS) - Stage 3 | 3.0.0 | R99 | April 99 | NSS | | |
| TS | 24.096 | Name Identification Supplementary Service - Stage 3 | 3.0.0 | R99 | April 99 | NSS | | |
| TS | 24.135 | Multicall Stage 3 | 3.0.0 | R99 | Mar 00 | NSS | Kazuo Mitamura | TSG#7:1.0.0->3.0.0 3.0.0 |
| TS | 25.053 | Tandem Free Operation (TFO); Service description; Stage 2 | | <?> | | | | |
| TS | 25.101 | UE Radio transmission and reception (FDD) | 3.2.0 | R99 | Oct 99 | R4 | Edgar Fernandes | TSG#7: 3.2.0 |
| TS | 25.102 | UE Radio transmission and reception (TDD) | 3.2.0 | R99 | Oct 99 | R4 | Meik Kottkamp | TSG#7: 3.2.0 |
| TS | 25.104 | UTRA (BS) FDD; Radio transmission and reception | 3.2.0 | R99 | Oct 99 | R4 | Johan Sköld | TSG#7: 3.2.0 |
| TS | 25.105 | UTRA (BS) TDD: Radio transmission and reception | 3.2.0 | R99 | Oct 99 | R4 | Meik Kottkamp | TSG#7: 3.2.0 |
| TS | 25.113 | Base station EMC | 3.1.0 | R99 | Dec 99 | R4 | Esa Barck | TSG#7: 3.1.0 |
| TS | 25.123 | Requirements for support of radio resource management (TDD) | 3.1.0 | R99 | Dec 99 | R4 | Daniele Franceschini | TSG#7: 3.1.0 |
| TS | 25.133 | Requirements for support of radio resource management (FDD) | 3.1.0 | R99 | Dec 99 | R4 | Daniele Franceschini | TSG#7: 3.1.0 |
| TS | 25.141 | Base station conformance testing (FDD) | 3.1.0 | R99 | Dec 99 | R4 | Takaharu Nakamura | TSG#7: 3.1.0 |
| TS | 25.142 | Base station conformance testing (TDD) | 3.1.0 | R99 | Dec 99 | R4 | Juergen Meyer | TSG#7: 3.1.0 |
| TS | 25.201 | Physical layer -General Description | 3.1.0 | R99 | Oct 99 | R1 | Antti Toskala | TSG#5: 3.0.0; edito post#6: 3.0.1. TSG#7: 3.1.0 |
| TS | 25.211 | Physical channels and mapping of transport channels onto physical channels (FDD) | 3.2.0 | R99 | Oct 99 | R1 | Andreas Wilde | TSG#7: 3.2.0 |
| TS | 25.212 | Multiplexing and channel coding (FDD) | 3.2.0 | R99 | Oct 99 | R1 | Yoshinori Tanaka | TSG#7: 3.2.0 |
| TS | 25.213 | Spreading and modulation (FDD) | 3.2.0 | R99 | Oct 99 | R1 | Peter Chambers | TSG#7: 3.2.0 |
| TS | 25.214 | Physical layer procedures (FDD) | 3.2.0 | R99 | Oct 99 | R1 | Takehiro Nakamura | TSG#7: 3.2.0 |
| TS | 25.215 | Physical layer; Measurements (FDD) | 3.2.0 | R99 | Oct 99 | R1 | | TSG#7: 3.2.0 |
| TS | 25.221 | Physical channels and mapping of transport channels onto physical channels (TDD) | 3.2.0 | R99 | Oct 99 | R1 | Katsuhiko Hiramatsu | TSG#7: 3.2.0 |
| TS | 25.222 | Multiplexing and channel coding (TDD) | 3.2.0 | R99 | Oct 99 | R1 | Jussi Kahtava | TSG#7: 3.2.0 |
| TS | 25.223 | Spreading and modulation (TDD) | 3.2.0 | R99 | Oct 99 | R1 | Kenji Ito | TSG#7: 3.2.0 |

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|----|--------|--|-------|-----|----------|----|----------------------|--------------------------------|
| TS | 25.224 | Pphysical layer procedures (TDD) | 3.2.0 | R99 | Oct 99 | R1 | Stefan Oestreich | TSG#7: 3.2.0 |
| TS | 25.225 | Physical layer; Measurements (TDD) | 3.2.0 | R99 | Oct 99 | R1 | | TSG#7: 3.2.0 |
| TS | 25.301 | Radio Interface Protocol Architecture | 3.4.0 | R99 | April 99 | R2 | Wolfgang Granzow | TSG#7: 3.4.0 |
| TS | 25.302 | Services provided by the physical layer | 3.4.0 | R99 | Oct 99 | R2 | Claudiu Mihailescu | TSG#7: 3.4.0 |
| TS | 25.303 | UE functions and inter-layer procedures in connected mode | 3.3.0 | R99 | June 99 | R2 | Mikko J.Rinne | TSG#7: 3.3.0 |
| TS | 25.304 | UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode | 3.2.0 | R99 | Oct 99 | R2 | Tommi Leivonen | TSG#7: 3.2.0 |
| TS | 25.305 | Stage 2 Functional Specification of Location Services in UTRAN (LCS) | 3.1.0 | R99 | Mar 00 | R2 | David G Steer | TSG#7: 3.1.0 |
| TS | 25.321 | Medium Access Control (MAC) Protocol Specification | 3.3.0 | R99 | June 99 | R2 | Armin Sitte | TSG#7: 3.3.0 |
| TS | 25.322 | Radio Link Control (RLC) Protocol Specification | 3.2.0 | R99 | Oct 99 | R2 | Daniele Franceschini | TSG#7: 3.2.0 |
| TS | 25.323 | Packet Data Convergence Protocol (PDCP) protocol | 3.1.0 | R99 | Dec 99 | R2 | Martin Hans | TSG#7: 3.1.0 |
| TS | 25.324 | Radio Interface for Broadcast/Multicast Services | 3.1.0 | R99 | Dec 99 | R2 | Peter Krischan | TSG#7: 3.1.0 |
| TS | 25.331 | Radio Resource Control (RRC) Protocol Specification | 3.2.0 | R99 | Oct 99 | R2 | Richard Burbridge | TSG#7: 3.2.0 |
| TS | 25.371 | LMU signalling | 0.0.0 | R00 | Mar 00 | R2 | M. Mouly | First draft: Jan2000 |
| TS | 25.401 | UTRAN Overall Description | 3.2.0 | R99 | Oct 99 | R3 | Jean-Marie Calmel | TSG#7: 3.2.0 |
| TS | 25.402 | Synchronisation in UTRAN Stage 2 | 3.1.0 | R99 | Dec 99 | R3 | Flavio Piolini | TSG#7: 3.1.0 |
| TS | 25.410 | UTRAN Iu Interface: General Aspects and Principles | 3.2.0 | R99 | Oct 99 | R3 | Richard Townend | TSG#7: 3.2.0 |
| TS | 25.411 | UTRAN Iu interface Layer 1 | 3.2.0 | R99 | June 99 | R3 | Achim Brandt | TSG#7: 3.2.0 |
| TS | 25.412 | UTRAN Iu interface signalling transport | 3.3.0 | R99 | June 99 | R3 | Kiran Thakare | TSG#7: 3.3.0 |
| TS | 25.413 | UTRAN Iu interface RANAP signalling | 3.1.0 | R99 | Dec 99 | R3 | Jyrki Jussila | TSG#7: 3.1.0 |
| TS | 25.414 | UTRAN Iu interface data transport & transport signalling | 3.3.0 | R99 | June 99 | R3 | David Comstock | TSG#7: 3.3.0 |
| TS | 25.415 | UTRAN Iu interface user plane protocols | 3.2.0 | R99 | Oct 99 | R3 | Alain Maupin | TSG#7: 3.2.0 |
| TS | 25.419 | UTRAN Iu interface: Cell broadcast protocols between SMS-CBC and RNC | 3.0.0 | R99 | Mar 00 | R3 | carolyn Taylor | TSG#7: 2.0.0 (RP-000113) 3.0.0 |
| TS | 25.420 | UTRAN Iur Interface: General Aspects and Principles | 3.1.0 | R99 | Dec 99 | R3 | Kiran Thakare | TSG#7: 3.1.0 |
| TS | 25.421 | UTRAN Iur interface Layer 1 | 3.0.0 | R99 | June 99 | R3 | Achim Brandt | |
| TS | 25.422 | UTRAN Iur interface signalling transport | 3.3.0 | R99 | June 99 | R3 | Kiran Thakare | TSG#7: 3.3.0 |
| TS | 25.423 | UTRAN Iur interface RNSAP signalling | 3.1.0 | R99 | Dec 99 | R3 | Göran Rune | TSG#7: 3.1.0 |
| TS | 25.424 | UTRAN Iur interface data transport & transport signalling for CCH data streams | 3.2.0 | R99 | June 99 | R3 | Nicolas Drevon | TSG#7:cr was to 3.0.0 3.2.0 |
| TS | 25.425 | UTRAN Iur interface user plane protocols for CCH data streams | 3.1.0 | R99 | Oct 99 | R3 | Nicolas Drevon | TSG#7: 3.1.0 |
| TS | 25.426 | UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams | 3.2.0 | R99 | June 99 | R3 | Sami Kekki | TSG#7:cr was to 3.0.0 3.2.0 |
| TS | 25.427 | UTRAN Iur and Iub interface user plane protocols for DCH data streams | 3.2.0 | R99 | Oct 99 | R3 | Fabio Longoni | TSG#7: 3.2.0 |
| TS | 25.430 | UTRAN Iub Interface: General Aspects and Principles | 3.1.0 | R99 | Dec 99 | R3 | Mick Wilson | TSG#7: 3.1.0 |
| TS | 25.431 | UTRAN Iub interface Layer 1 | 3.0.0 | R99 | June 99 | R3 | Achim Brandt | |
| TS | 25.432 | UTRAN Iub interface signalling transport | 3.1.0 | R99 | June 99 | R3 | Mick Wilson | |
| TS | 25.433 | UTRAN Iub interface NBAP signalling | 3.1.0 | R99 | Dec 99 | R3 | Nobutaka Ishikawa | TSG#7: 3.1.0 |
| TS | 25.434 | UTRAN Iub interface data transport & transport signalling for CCH data streams | 3.2.0 | R99 | June 99 | R3 | Magnus Aldén | TSG#7: 3.2.0 |
| TS | 25.435 | UTRAN Iub interface user plane protocols for CCH data streams | 3.2.0 | R99 | Oct 99 | R3 | Jean-Marie Calmel | TSG#7: 3.2.0 |
| TS | 25.442 | UTRAN Implementation Specific O&M Transport | 3.1.0 | R99 | Oct 99 | R3 | Stephan Recker | TSG#7: 3.1.0 |
| TR | 25.831 | Study Items for future release | 0.0.2 | R99 | Mar 00 | R3 | Nicolas Drevon | |

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|----|--------|---|-------|-----|---------|----|--------------------|---|
| TR | 25.832 | Manifestations of Handover and SRNS relocation | 3.0.0 | R99 | Oct 99 | R3 | Richard Townend | |
| TR | 25.833 | Physical layer items not for inclusion in Release 99 | 1.0.0 | R99 | Mar 00 | R1 | | |
| TR | 25.921 | Guidelines and principles for protocol description and error handling | 3.1.0 | R99 | Dec 99 | R2 | Jean Dumazy | TSG#7: 3.1.0 |
| TR | 25.922 | Radio Resource Management Strategies | 3.1.0 | R99 | Dec 99 | R2 | Nicola Pio Magnani | TSG#7: 3.1.0 |
| TR | 25.924 | Opportunity Driven Multiple Access (ODMA) | 1.0.0 | R00 | Mar 00 | R2 | Alan Law | |
| TR | 25.925 | Radio Interface for Broadcast/Multicast Services | 3.1.0 | R99 | Dec 99 | R2 | Peter Krischan | TSG#7: 3.1.0 |
| TR | 25.926 | UE Radio Access capabilities definition | 3.0.0 | R99 | Mar 00 | R2 | Johan Lundsjo | TSG#7:2.0.0 (RP-000052), 3.0.0 |
| TR | 25.928 | 1,28Mcps UTRA TDD Physical Layer | 0.0.3 | R00 | Jun 00 | R1 | Mirko Aksentijevic | anticipated TSG#8; TSG#7:0.0.2 (RP-000091) 0.0.3 (RP-000158) 0.0. |
| TR | 25.931 | UTRAN Functions, examples on signalling procedures | 1.2.4 | R99 | Mar 00 | R3 | Enrico Scarrone | TSG#7:1.2.4 (RP-000125) 1.2.4 |
| TR | 25.941 | Document structure | 3.1.0 | R99 | Dec 99 | R4 | Tadao Takami | |
| TR | 25.942 | RF system scenarios | 2.1.3 | R99 | Mar 00 | R4 | Nadia Benabdallah | TSG#7:2.1.3 2.1.3 |
| TR | 25.943 | Deployment aspects | 2.0.0 | R99 | Mar 00 | R4 | Johan Skold | TSG#7:2.0.0 2.0.0 |
| TR | 25.944 | Channel coding and multiplexing examples | 3.0.0 | R99 | Mar 00 | R1 | Takehiro Nakamura | TSG#7:1.0.1, 3.0.0 |
| TR | 25.945 | RF requirements for low chip rate TDD option | 0.0.0 | R00 | Dec 00 | R4 | Zhang Dai-Jun | |
| TR | 25.990 | Vocabulary for UTRAN | 3.0.0 | R99 | Oct 99 | R4 | Peter Okrah | |
| TS | 26.071 | AMR speech Codec; General description | 3.0.1 | R99 | June 99 | S4 | Erik Ekudden | |
| TS | 26.073 | AMR speech Codec; C-source code | 3.1.0 | R99 | Dec 99 | S4 | Erik Ekudden | approved TSG#6. TSG#7: 3.1.0 |
| TS | 26.074 | AMR speech Codec; Test sequences | 3.0.1 | R99 | Dec 99 | S4 | Erik Ekudden | |
| TS | 26.090 | AMR speech Codec; Transcoding Functions | 3.1.0 | R99 | June 99 | S4 | Erik Ekudden | |
| TS | 26.091 | AMR speech Codec; Error concealment of lost frames | 3.1.0 | R99 | June 99 | S4 | Erik Ekudden | |
| TS | 26.092 | AMR speech Codec; comfort noise for AMR Speech Traffic Channels | 3.0.1 | R99 | June 99 | S4 | Erik Ekudden | |
| TS | 26.093 | AMR speech Codec; Source Controlled Rate operation | 3.1.0 | R99 | June 99 | S4 | Erik Ekudden | |
| TS | 26.094 | AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels | 3.0.0 | R99 | Oct 99 | S4 | | |
| TS | 26.101 | AMR speech Codec; Frame Structure | 3.1.0 | R99 | Dec 99 | S4 | Jari Hagqvist | TSG#7: 3.1.0 |
| TS | 26.102 | AMR speech Codec; Interface to lu and Uu | 3.1.0 | R99 | Dec 99 | S4 | William Navarro | TSG#7: 3.1.0 |
| TS | 26.103 | Codec lists | 3.0.0 | R99 | Dec 99 | S4 | Karl Hellwig | |
| TS | 26.104 | AMR speech Codec; Floating point C-Code | 0.3.0 | R99 | Mar 00 | S4 | | New at TSG#6. TSG#7:0.3.0 (SP-000022) 0.3.0 |
| TS | 26.110 | Codec for Circuit switched Multimedia Telephony Service; General Description | 3.0.1 | R99 | June 99 | S4 | Barry Aronson | |
| TS | 26.111 | Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324 | 3.1.0 | R99 | June 99 | S4 | Barry Aronson | |
| TS | 26.115 | Transmission Delay and Echo Control Planning For Speech and Multi-Media Services | 0.0.1 | <?> | Mar 00 | S2 | | Feb00: 0.0.1 |
| TS | 26.131 | Narrow Band (3,1kHz) Speech & Video Telephony Terminal Acoustic Characteristics | 3.0.0 | R99 | Dec 99 | S4 | Ian Goetz | |
| TS | 26.132 | Narrow Band (3,1kHz) Speech & Video Telephony Terminal Acoustic Test Specification. | 0.0.1 | R99 | June 00 | S4 | Ian Goetz | Feb00: 0.0.1 |
| TR | 26.901 | AMR Wideband Speech Codec Feasibility Study Report | 4.0.0 | R00 | | S2 | | TSG#7:2.0.0 (SP-000024), 4.0.0 |
| TR | 26.911 | Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide | 3.2.0 | R99 | June 99 | S4 | Petri Haavisto | |
| TR | 26.912 | Codec for Circuit switched Multimedia Telephony Service; Quantitative performance evaluation of H.324 Annex C over 3G | 3.0.0 | R99 | Mar 00 | S4 | Olle Franceschi | TSG#7:2.0.0 (SP-000019), 3.0.0 |
| TR | 26.913 | Quantitative performance evaluation of real-time packet switched multimedia services over 3G | 0.0.1 | R99 | Mar 00 | S4 | Harri Honko | |

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| TR | 26.915 | QoS for Speech and Multimedia Codec; Quantitative performance evaluation of real-time packet switched multimedia services over 3G | 3.0.0 | R99 | Mar 00 | S4 | Ian Goetz | TSG#7:1.0.0 (SP-000020), 3.0.0 |
| TR | 26.920 | Architectural Model for the 3G Transcoders | 0.1.1 | R00 | tbd | S4 | William Navarro | |
| TR | 26.975 | Performance characterization of the AMR speech codec | 1.1.0 | R99 | Mar 00 | S4 | Erik Ekudden | was 25.075; Feb00: 1.1.0. TSG#7: 1.1.0 |
| TS | 27.001 | General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS) | 3.4.0 | R99 | April 99 | N3 | Eric Colban | TSG#7: 3.4.0 |
| TS | 27.002 | Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities | 3.3.0 | R99 | April 99 | N3 | Eric Colban | TSG#7: 3.3.0 |
| TS | 27.003 | Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities | 3.3.0 | R99 | April 99 | N3 | Eric Colban | TSG#7: 3.3.0 |
| TS | 27.005 | Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE - DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS) | 3.1.0 | R99 | June 99 | T2 | Ian Harris | |
| TS | 27.007 | AT command set for 3G User Equipment (UE) | 3.4.0 | R99 | June 99 | T2 | Lars Novak | |
| TS | 27.010 | Terminal Equipment to User Equipment (TE-UE) multiplexer protocol User Equipment (UE) | 3.3.0 | R99 | June 99 | T2 | Lars Novak | additional CR for R99 on UMTS amendments expected at TSG-T#7. 1 |
| TS | 27.060 | GPRS Mobile Stations supporting GPRS | 3.4.0 | R99 | April 99 | N3 | Graham Heaton | TSG#7: 3.4.0 |
| TS | 27.103 | Wide Area Network Synchronisation | 3.0.0 | R99 | Oct 99 | T2 | Rob Lockhart | |
| TR | 27.901 | Report on Terminal Interfaces - An Overview | 3.0.0 | R99 | Dec 99 | T2 | Thomas Rex | |
| TR | 27.903 | Discussion of Synchronisation Standards | 3.0.0 | R99 | Oct 99 | T2 | Rob Lockhart | |
| TS | 28.062 | Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3 | 0.0.0 | R00 | June 00 | S4 | | |
| TS | 29.002 | Mobile Application Part (MAP) | 3.4.0 | R99 | April 99 | N2B | | TSG#7: 3.4.0 |
| TS | 29.007 | General requirements on Interworking between the PLMN and the ISDN or PSTN | 3.4.0 | R99 | April 99 | N3 | Norbert Klehn | TSG#7: 3.4.0 |
| TS | 29.010 | Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP) | 3.2.0 | R99 | Oct 99 | N2B | | TSG#7: 3.2.0 |
| TS | 29.011 | Signalling Interworking for Supplementary Services | 3.0.0 | R99 | April 99 | NSS | | |
| TS | 29.013 | Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols | 3.0.0 | R99 | Oct 99 | NSS | | |
| TS | 29.016 | Serving GPRS Support Mode SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification | 3.0.0 | R99 | April 99 | N1 | | |
| TS | 29.018 | Serving GPRS Support Mode SGSN - Visitors Location Register (VLR); Gs Interface Layer 3 Specification | 3.3.0 | R99 | April 99 | N1 | | TSG#7: 3.3.0 |
| TS | 29.060 | GPRS Tunnelling protocol (GTP) across the Gn and Gp interface | 3.4.0 | R99 | April 99 | N2B | Tom Eric Ask | TSG#7: 3.4.0 |
| TS | 29.061 | General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet | 3.3.0 | R99 | April 99 | N3 | Graham Heaton | TSG#7: 3.3.0 |
| TS | 29.078 | CAMEL; Stage 3 | 3.3.0 | R99 | Oct 99 | N2A | Jan Ellsberger | CR@TSG#6, note version changes are not available, 3.1.0 was not cr 3.4.0 |
| TS | 29.119 | GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR) | 3.0.0 | R99 | Mar 00 | N2B | Shinichiro Aikawa | Functionally frozen by CN#6, CN#7 is the new target for approval as p TSG#7:2.0.0 (TP-000107) 3.0.0 |

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| TS | 29.120 | Mobile Application Part (MAP) specification for Gateway Location Register (GLR); stage 3 | 3.0.0 | R99 | Mar 00 | N2B | Kazuo Mitamura | Functionally frozen by CN#6, CN#7 is the new target for approval as per TSG#7:2.0.0 3.0.0 |
| TR | 29.198 | Open Services Architecture API part 1 | 1.0.0 | <?> | | CN | Yun Chao Hu | TSG#7:1.0.0 (TP-000056) 1.0.0 |
| TR | 29.998 | Open Services Architecture API part 2 | 1.0.0 | <?> | | CN | Yun Chao Hu | TSG#7:1.0.0 (TP-000057) 1.0.0 |
| TR | 30.504 | Work Plan and Study Items - RAN WG4 | 2.2.0 | <?> | Mar 00 | R4 | Masaaki Iwasa | |
| TR | 30.531 | Work Plan and Study Items - RAN WG3 | 0.7.0 | <?> | Mar 00 | R3 | Björn Ehrstedt | TSG#7:0.7.0 (RP-000142) 0.7.0 |
| TR | 30.801 | Overall Project Plan | 1.1.0 | <?> | Mar 00 | S2 | Alain Sultan | |
| TR | 30.802 | Project plan on Bearer Services and QoS | 1.0.0 | <?> | Mar 00 | S2 | Oscar Lopez-Torres | |
| TR | 30.804 | Project plan on GSM/UMTS Interoperation and Mobility Management | 1.0.0 | <?> | Mar 00 | S2 | François Courau | |
| TR | 30.806 | Project plan on Location based services | 1.0.0 | <?> | Mar 00 | S2 | Jan Káll | |
| TR | 30.808 | Project plan on Packet Architecture and Circuit Architecture | 1.0.0 | <?> | Mar 00 | S2 | Ulrich Dropmann | |
| TR | 30.810 | Project plan on Security | 1.0.0 | <?> | Mar 00 | S2 | Chris Pudney | |
| TR | 30.812 | Project plan on Services and Service platforms | 1.0.0 | <?> | Mar 00 | S2 | Rob Schmersel | |
| TS | 31.101 | UICC-terminal interface; Physical and logical characteristics | 3.1.0 | R99 | Dec 99 | T3 | Rune Lindholm / Peter Vestergaard | TSG#7: 3.1.0 |
| TS | 31.102 | Characteristics of the USIM Application | 3.1.0 | R99 | Dec 99 | T3 | M. Kobayashi and Ch. Heim | TSG#7: 3.1.0 |
| TS | 31.110 | Numbering system for telecommunication IC card applications | 3.1.0 | R99 | Dec 99 | T3 | Christian Dietrich | TSG#7: 3.1.0 |
| TS | 31.111 | USIM Application Toolkit (USAT) | 3.0.0 | R99 | Mar 00 | T3 | Kristian Woodsend | TSG#7: 3.0.0 |
| TS | 31.120 | Terminal tests for the UICC Interface | 0.0.0 | R99 | June 00 | T3 | Klaus Vedder | |
| TS | 31.121 | UICC Test Specification | 0.0.0 | R99 | June 00 | T3 | Klaus Vedder | |
| TS | 32.005 | GSM call and event data for the Circuit Switched (CS) domain | 3.0.0 | R99 | Jun 00 | S5 | Ian Deakin | Title change. TSG#7: |
| TS | 32.008 | Subscriber and Equipment trace | | <?> | | S5 | Kai Sjöblom | |
| TS | 32.015 | GSM call and event data for the Packet Switched (PS) domain | 3.1.1 | R99 | Jun 00 | S5 | Ian Deakin | Title change. TSG#7: 3.1.0 |
| TS | 32.101 | 3G Telecom Management principles and high level requirements | 3.1.1 | R99 | Mar 00 | S5 | Michael Truss | Outstanding R99 issues. TSG#7: 3.1.0 |
| TS | 32.102 | 3G Telecom Management Architecture | 3.1.1 | R99 | Mar 00 | S5 | Tommy Berggren | Outstanding R99 issues. TSG#7: 3.1.0 |
| TS | 32.104 | 3G Performance Management | 3.1.1 | R99 | Mar 00 | S5 | Karl-Heinz Nenner | Outstanding R99 issues. TSG#7: 3.1.0 |
| TS | 32.105 | 3G Charging call event data | 0.0.1 | R99 | June 00 | S5 | Ian Deakin | New at TSG#6. TSG#7: |
| TS | 32.106 | 3G Configuration Management | 3.0.1 | R99 | Mar 00 | S5 | Thomas Tovinger | Outstanding R99 issues. TSG#7:2.0.0 3.0.0 |
| TS | 32.111 | 3G Fault Management | 3.0.1 | R99 | Jun 00 | S5 | Gaetano Cicchitto | Outstanding R99 issues. TSG#7:2.0.0 3.0.0 |
| TS | 33.102 | Security Architecture | 3.4.0 | R99 | Mar 00 | S3 | Bart Vinck | TSG#7: 3.4.0 |
| TS | 33.103 | Security Integration Guidelines | 3.2.0 | R99 | Oct 99 | S3 | Bart Vinck | TSG#7: 3.2.0 |
| TS | 33.105 | Cryptographic Algorithm requirements | 3.3.0 | R99 | June 99 | S3 | Bart Vinck | TSG#7: 3.3.0 |
| TS | 33.106 | Lawful interception requirements | 3.0.0 | R99 | Jun 00 | S3 | Bart Vinck | TSG#7:2.0.0(SP-000013), 3.0.0 |
| TS | 33.107 | Lawful interception architecture and functions | 3.0.0 | R99 | Dec 99 | S3 | | New at TSG#6 approved |
| TS | 33.120 | Security Objectives and Principles | 3.0.0 | R99 | April 99 | S3 | Tim Wright | |
| TR | 33.900 | Guide to 3G security | 1.2.0 | R99 | Mar 00 | S3 | | New at TSG#6 |
| TR | 33.901 | Criteria for cryptographic Algorithm design process | 3.0.0 | R99 | June 99 | S3 | Vinck Bart | |
| TR | 33.902 | Formal Analysis of the 3G Authentication Protocol | 3.1.0 | R99 | Oct 99 | S3 | | |
| TR | 33.908 | Security Algorithms Group of Experts (SAGE); General report on the design, specification and evaluation of 3GPP standard confidentiality and integrity algorithms | 3.0.0 | R99 | Mar 00 | S3 | M. Walker | TSG#7 SP-000039 |

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| TR | 33.909 | ETSI SAGE 3GPP Standards Algorithms Task Force: Report on the evaluation of 3GPP standard confidentiality and integrity algorithms | 3.0.0 | R99 | Jun 00 | S3 | M. Walker | TSG#7: referred to in 33.908. |
| TS | 34.108 | Common Test Environments for User Equipment (UE) Conformance Testing | 1.0.1 | R99 | June 00 | T1 | Nouhman Chalabi | TSG#7:(TP-000032) 1.0.0, 1.0.1 |
| TS | 34.109 | Logical Test Interface (TDD and FDD) | 1.2.0 | R99 | June 00 | T1 / R2 | Leif Mattisson | Feb00: 1.1.0 TSG#7: 1.2.0 |
| TS | 34.121 | Terminal Conformance Specification, Radio Transmission and Reception (FDD) | 3.0.1 | R99 | Mar 00 | T1 | Kenji Higuchi | RAN documents are undergoing substantial changes and 34.121 can be stabilized to TSGT#7. TSG#7: 2.0.0(TP-000033), 3.0.0 |
| TS | 34.122 | Terminal Conformance Specification, Radio Transmission and Reception (TDD) | 1.2.1 | R99 | June 00 | T1 | Thomas Maucksch | TSG#7: 1.2.0 |
| TS | 34.123-1 | UE Conformance Specification, Part 1 – Conformance specification | 1.0.1 | R99 | June 00 | T1 | Lidia Salmeron | |
| TS | 34.123-2 | UE Conformance Specification, Part 2 – ICS | 1.0.1 | R99 | June 00 | T1 | Shicheng Hu | TSG#7: 1.0.1 |
| TS | 34.123-3 | UE Conformance Specification, Part 3 – Abstract Test suites | 0.0.0 | R99 | Mar 01 | T1 | Shicheng Hu | |
| TS | 34.124 | Electro-Magnetic Compatibility (EMC) for Terminal equipment - stage 1 | 3.0.0 | R99 | Mar 00 | T1 | Ole Soerensen | TSG#7: 2.0.1(SP-000034), 3.0.0 |
| TR | 34.907 | Report on electrical safety requirements and regulations | 3.0.0 | R99 | Oct 99 | T2 | Eiji Iimori | |
| TR | 34.910 | Conformance Test specifications – Relevant for Regulatory use | 0.0.1 | R00 | Mar 01 | T1 | Bjarke Nielsen | |
| TR | 34.925 | Specific Absorption Rate (SAR) requirements and regulations in different regions | 3.0.0 | R99 | June 99 | T2 | Sven Johnsson | |
| TR | 34.926 | Table of International EMC requirements | 0.0.0 | R00 | Jun 00 | T1 | John Fenn | |
| TS | 35.201 | Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications | 3.1.0 | R99 | | S3 | M. Walker | TSG#7: 3.1.0 ex SAGE 3.1.0 |
| TS | 35.202 | Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification | 3.1.0 | R99 | | S3 | M. Walker | TSG#7: 3.1.0 ex SAGE 3.1.0 |
| TS | 35.203 | Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data | 3.1.0 | R99 | | S3 | M. Walker | TSG#7: 3.1.0 ex SAGE 3.1.0 |
| TS | 35.204 | Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data | 3.1.0 | R99 | | S3 | M. Walker | TSG#7: 3.1.0 ex SAGE 3.1.0 |

Annex E: List of Change Requests and their status after TSG SA Meeting #7

E.1 CRs from SA WG1:

3GPP CRs

| TSG SA Doc | SPEC | CR | rev | Current version | Phase | SUBJECT | TSG status | Cat | New version | Specification Title |
|------------|--------|-----|-----|-----------------|-------|--|------------|-----|-------------|--|
| SP-000069 | 22.001 | 002 | | 3.1.1 | R99 | Editorial modification for change of SMS-CB to CBS | approved | D | 3.2.0 | Principles of CircuitTelecommunication Services Supported by a Public Land Mobile Network (PLMN) |
| SP-000053 | 22.001 | 003 | | 3.1.1 | R99 | Procedure for call progress indications | approved | C | 3.2.0 | Principles of CircuitTelecommunication Services Supported by a Public Land Mobile Network (PLMN) |
| SP-000054 | 22.002 | 005 | | 3.2.0 | R99 | Corrections on 3,1 kHz Audio support | approved | F | 3.3.0 | Circuit Bearer Services Supported by a PLMN |
| SP-000069 | 22.003 | 002 | | 3.1.0 | R99 | Editorial modification for change of SMS-CB to CBS and to correct the references | approved | D | 3.2.0 | Circuit Teleservices supported by a Public Land Mobile Network (PLMN) |
| SP-000071 | 22.003 | 003 | | 3.1.0 | R00 | Addition of Wideband AMR | approved | B | 4.0.0 | Circuit Teleservices supported by a Public Land Mobile Network (PLMN) |
| SP-000068 | 22.004 | 003 | | 3.1.0 | R99 | Introduction of Multicall as Supplementary Service | approved | F | 3.2.0 | General on Supplementary Services |
| SP-000055 | 22.011 | 012 | | 3.1.0 | R99 | Corrections to 22.011 | approved | F | 3.2.0 | Service accessibility |
| SP-000055 | 22.011 | 013 | | 3.1.0 | R99 | Removal of "Home Environment Specific Network Selection Procedure" | approved | C | 3.2.0 | Service accessibility |
| SP-000071 | 22.011 | 014 | | 3.1.0 | R00 | Network Selection | approved | B | 4.0.0 | Service accessibility |
| SP-000056 | 22.030 | 007 | | 3.2.0 | R99 | Introduction of Service Code 214 for "Follow Me" | approved | B | 3.3.0 | Man-Machine Interface (MMI) of the Mobile Station (MS) |
| SP-000056 | 22.030 | 008 | | 3.2.0 | R99 | MMI(Man-Machine interface) of Multicall | approved | B | 3.3.0 | Man-Machine Interface (MMI) of the Mobile Station (MS) |
| SP-000057 | 22.034 | 003 | | 3.1.0 | R99 | CR on HSCSD changes for 3GPP | approved | C | 3.2.0 | High Speed Circuit Switched Data (HSCSD) - Stage 1 |
| SP-000058 | 22.038 | 001 | | 3.0.0 | R99 | USIM/SIM Application Toolkit, Service Description, Stage 1 | approved | D | 3.1.0 | SIM application toolkit (SAT); Stage 1 |
| SP-000058 | 22.038 | 002 | | 3.0.0 | R99 | Addition requirements for bearer independent data transfer feature | Revised | B | | SIM application toolkit (SAT); Stage 1 |
| SP-000152 | 22.038 | 002 | 1 | 3.0.0 | R99 | Addition requirements for bearer independent data transfer feature | approved | B | 3.1.0 | SIM application toolkit (SAT); Stage 1 |
| SP-000059 | 22.060 | 009 | | 3.2.0 | R99 | Restructuring to improve clarity and align with Stage 2 description for Release 99 | approved | F | 3.3.0 | General Packet Radio Service (GPRS); Stage 1 |
| SP-000060 | 22.060 | 010 | | 3.2.0 | R99 | Support of encryption in GPRS mobile stations | approved | F | 3.3.0 | General Packet Radio Service (GPRS); Stage 1 |
| SP-000071 | 22.060 | 011 | | 3.2.0 | R00 | The support of Push Services for GPRS | approved | B | 4.0.0 | General Packet Radio Service (GPRS); Stage 1 |
| SP-000061 | 22.066 | 002 | | 3.0.1 | R99 | PCS-1900 Service Provider Number Portability impacts for Mobile Number Portability | approved | B | 3.2.0 | Support of Mobile Number Portability (MNP); Stage 1 |
| SP-000062 | 22.078 | 032 | 1 | 3.2.0 | R99 | Call gapping / congestion control in HPLMN only | approved | F | 3.3.0 | CAMEL; Stage 1 |
| SP-000062 | 22.078 | 033 | | 3.2.0 | R99 | In-band user interaction for dialled services in CAMEL ph3 | approved | F | 3.3.0 | CAMEL; Stage 1 |
| SP-000062 | 22.078 | 034 | | 3.2.0 | R99 | Correction of GPRS session description | approved | F | 3.3.0 | CAMEL; Stage 1 |

| TSG SA Doc | SPEC | CR | rev | Current version | Phase | SUBJECT | TSG status | Cat | New version | Specification Title |
|------------|--------|-----|-----|-----------------|-------|---|------------|-----|-------------|--|
| SP-000062 | 22.078 | 035 | | 3.2.0 | R99 | Reduced scope of CAMEL Phase 3 in release 99 | approved | F | 3.3.0 | CAMEL; Stage 1 |
| SP-000123 | 22.078 | 036 | | 3.2.0 | R99 | Correction of announcement capabilities | approved | F | 3.3.0 | CAMEL; Stage 1 |
| SP-000063 | 22.090 | 002 | | 3.0.1 | R99 | UCS2 character set for MMI mode | approved | C | 3.1.0 | Unstructured Supplementary Service Data (USSD); Stage 1 |
| SP-000064 | 22.100 | 029 | | 3.5.0 | R99 | SoLSA not applicable for UMTS release 99 | approved | F | 3.6.0 | UMTS Phase 1 |
| SP-000060 | 22.101 | 030 | | 3.8.0 | R99 | Support of encryption in GPRS mobile stations | approved | A | 3.9.0 | UMTS Service principles |
| SP-000070 | 22.101 | 031 | | 3.8.0 | R99 | Fixed Dialing Number (FDN) | approved | F | 3.9.0 | UMTS Service principles |
| | 22.101 | 032 | | 3.8.0 | R99 | Types of emergency calls | Withdrawn | B | | UMTS Service principles |
| SP-000065 | 22.105 | 022 | | 3.7.0 | R99 | Correction related to FAX support | approved | F | 3.8.0 | Services & Service capabilities |
| SP-000065 | 22.105 | 023 | | 3.7.0 | R99 | Clarification of SoLSA support | approved | C | 3.8.0 | Services & Service capabilities |
| SP-000066 | 22.115 | 004 | | 3.1.0 | R99 | Clarifications to 22.115 | approved | D | 3.2.0 | Service Aspects Charging and billing |
| SP-000067 | 22.121 | 005 | | 3.1.0 | R99 | Clarification of service capabilities | approved | F | 3.2.0 | Provision of Services in UMTS - The Virtual Home Environment |
| SP-000067 | 22.121 | 006 | | 3.1.0 | R99 | Information Transfer service capability feature | approved | C | 3.2.0 | Provision of Services in UMTS - The Virtual Home Environment |
| SP-000068 | 22.135 | 004 | | 3.1.0 | R99 | Clarification of requirement for Multicall | approved | F | 3.2.0 | Multicall Stage1 |

GSM CRs

| TSG SA Doc | SPEC | CR | rev | Current version | Phase | SUBJECT | status | Cat | New version | Specification Title |
|------------|-------|------|-----|-----------------|-------|--|----------|-----|-------------|--|
| SP-000060 | 02.07 | A026 | | 6.1.0 | R97 | Support of encryption in GPRS mobile stations | approved | A | 6.2.0 | Mobile Station (MS) Features |
| SP-000060 | 02.07 | A027 | | 7.1.0 | R98 | Support of encryption in GPRS mobile stations | approved | A | 7.2.0 | Mobile Station (MS) Features |
| SP-000059 | 02.60 | A025 | | 7.2.0 | R98 | Corrections on Point-To-Point Octet Stream Service | approved | F | 7.3.0 | General Packet Radio Service Stage 1 Description |
| SP-000061 | 02.66 | A001 | | 7.0.1 | R98 | PCS-1900 Service Provider Number Portability impacts for Mobile Number Portability | approved | B | 7.1.0 | Support of Mobile Number Portability (MNP); Service description; Stage 1 |

E.2 CRs from SA WG2:

3GPP CRs

| TSG SA Doc | SPEC | CR | rev | Current version | Phase | SUBJECT | TSG status | Cat | New version | Specification Title |
|------------|--------|-----|-----|-----------------|-------|--|------------|-----|-------------|--|
| SP-000084 | 23.002 | 004 | | 3.2.0 | R99 | General improvements of the split between section 3 (Definitions and abbreviations) and section 4 (The entities of the mobile system). | approved | F | 3.3.0 | Network Architecture |
| SP-000084 | 23.002 | 005 | 1 | 3.2.0 | R99 | Re-ordering of section 4 (The entities of the mobile system). | approved | D | 3.3.0 | Network Architecture |
| SP-000084 | 23.002 | 006 | | 3.2.0 | R99 | Re-ordering of section 5 (Configuration of a Public Land Mobile Network). | approved | D | 3.3.0 | Network Architecture |
| SP-000084 | 23.002 | 007 | | 3.2.0 | R99 | Re-ordering of section 6 ("PLMN interfaces"). | approved | D | 3.3.0 | Network Architecture |
| SP-000084 | 23.002 | 008 | | 3.2.0 | R99 | Simplification of the figure 1 (configuration of a PLMN and interfaces) | approved | D | 3.3.0 | Network Architecture |
| SP-000084 | 23.002 | 009 | 1 | 3.2.0 | R99 | Introduction of CAMEL aspects. | approved | B | 3.3.0 | Network Architecture |
| SP-000084 | 23.002 | 011 | 1 | 3.2.0 | R99 | Introduction of CBS aspects | approved | B | 3.3.0 | Network Architecture |
| SP-000084 | 23.002 | 012 | 2 | 3.2.0 | R99 | Add LCS enhancements | approved | C | 3.3.0 | Network Architecture |
| SP-000084 | 23.002 | 013 | 4 | 3.2.0 | R99 | Define GSM LCS parts and add UMTS LCS "hooks" in the network architecture. | approved | C | 3.3.0 | Network Architecture |
| SP-000084 | 23.002 | 014 | 1 | 3.2.0 | R99 | Incorporation of network architecture material coming from section 4 of 29.002 | approved | F | 3.3.0 | Network Architecture |
| SP-000085 | 23.032 | 001 | | 3.0.0 | R99 | Aligning 23.032 with changes in 03.32 | approved | B | 3.1.0 | Universal Geographical Area Description (GAD) |
| SP-000086 | 23.060 | 052 | 2 | 3.2.1 | R99 | QoS Related Updates | approved | B | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000135 | 23.060 | 065 | 5 | 3.2.1 | R99 | Radio bearer release and PDP context interaction | approved | B | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 080 | 2 | 3.2.1 | R99 | GPRS Interworking With CAMEL | approved | D | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 085 | | 3.2.1 | R99 | Storage of Aggregated BSS QoS Profile in the SGSN | approved | B | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 086 | | 3.2.1 | R99 | Modification to selective routing area update procedure | approved | C | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 088 | 1 | 3.2.1 | R99 | QoS delay budget in CN and RAN. | approved | B | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 089 | 1 | 3.2.1 | R99 | Release of RABs Without PDP Context Modification | approved | B | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 090 | | 3.2.1 | R99 | NSAPI as RAB identifier for packet | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 091 | | 3.2.1 | R99 | Correction to GPRS/CAMEL interworking. | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 092 | | 3.2.1 | R99 | IP Multicast support in GPRS. | approved | B | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 094 | | 3.2.1 | R99 | Removal of the description of the cell reselection algorithm from 23.60 | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |

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|------------|--------|-----|-----|-----------------|-------|---|------------|-----|-------------|--|
| SP-000086 | 23.060 | 096 | | 3.2.1 | R99 | Removal of PDP Type X.25 support | approved | B | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 097 | 1 | 3.2.1 | R99 | AAL5 description | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 098 | | 3.2.1 | R99 | Removal of Anonymous Access support | approved | B | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 099 | | 3.2.1 | R99 | Removal of TCP support in the packet domain PLMN backbone network | approved | B | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 100 | 1 | 3.2.1 | R99 | IPv6 as optional Iu and Gn protocol | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 101 | 1 | 3.2.1 | R99 | Common GPRS and UMTS PS attach procedure | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000135 | 23.060 | 102 | 3 | 3.2.1 | R99 | Classmark handling | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 103 | 1 | 3.2.1 | R99 | UMTS Authentication | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 104 | 3 | 3.2.1 | R99 | Hard handover with switching in CN | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 105 | 1 | 3.2.1 | R99 | Transfer of present RA information from UTRAN to SGSN | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 106 | 2 | 3.2.1 | R99 | Service Request | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 107 | | 3.2.1 | R99 | Correction to Address allocation procedure for PDP Type IPv 6 | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 108 | 1 | 3.2.1 | R99 | Aligning SRNC relocation procedure | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 109 | 1 | 3.2.1 | R99 | PDPCP sequence numbers in SRNC relocation | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 110 | 1 | 3.2.1 | R99 | RAB Assignment Description | approved | D | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 112 | 1 | 3.2.1 | R99 | Removing NSAPI from GTP-C response messages | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 114 | 1 | 3.2.1 | R99 | Clarification of RANAP and GTP procedures in SRNS relocation | approved | C | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 116 | | 3.2.1 | R99 | Subscriber and equipment trace for PS domain | approved | D | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 119 | | 3.2.1 | R99 | Extension of Maximum N-PDU size in case of PDP type = PPP | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 121 | | 3.2.1 | R99 | User control screening in R99 | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 122 | | 3.2.1 | R99 | Improving charging efficiency | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 123 | | 3.2.1 | R99 | Removal of P-TMSI Signature in Service Request | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 125 | 1 | 3.2.1 | R99 | Clarification of unsuccessful RAB assignment | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |

| TSG SA Doc | SPEC | CR | rev | Current version | Phase | SUBJECT | TSG status | Cat | New version | Specification Title |
|------------|--------|-----|-----|-----------------|-------|---|------------|-----|-------------|--|
| SP-000086 | 23.060 | 127 | 1 | 3.2.1 | R99 | Volume based charging | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 128 | | 3.2.1 | R99 | PDCP sequence numbers in SRNC relocation and inter-system handover | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 129 | 2 | 3.2.1 | R99 | Combined Cell Update/URA Update and SRNS Relocation | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 130 | 2 | 3.2.1 | R99 | Serving RNC Relocation Procedure | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 131 | 1 | 3.2.1 | R99 | Support for combined procedures also at UMTS<->GSM Inter System Change | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 133 | 1 | 3.2.1 | R99 | PDP Type to RNC Context | approved | B | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 134 | 1 | 3.2.1 | R99 | PDP Context modification on RAB Release | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 135 | | 3.2.1 | R99 | Clarification on lu interface | approved | D | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 136 | 1 | 3.2.1 | R99 | Adaptation of 23.060 terminology with the N1 agreement | approved | D | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 138 | | 3.2.1 | R99 | Deletion of GGSN TEID in the update PDP context request message | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 139 | | 3.2.1 | R99 | Action upon reception of GTP-u PDU in the case of SGSN/GGSN failure | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 140 | | 3.2.1 | R99 | Clarification of intra-SGSN inter-system change to GPRS | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 141 | 1 | 3.2.1 | R99 | Clarification of intra-SGSN inter-system change to UMTS | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 142 | | 3.2.1 | R99 | Clarification of inter-SGSN inter-system change to GPRS | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000135 | 23.060 | 143 | | 3.2.1 | R99 | Clarification of inter-SGSN inter-system change to UMTS | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 144 | 1 | 3.2.1 | R99 | Clarification of MS information procedure in UMTS | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 145 | | 3.2.1 | R99 | Change to the IP-V6 address allocation | approved | D | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 23.060 | 146 | 1 | 3.2.1 | R99 | Correction to stateless address autoconfiguration procedure for PDP Type IPv6 | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000087 | 23.107 | 012 | 1 | 3.1.1 | R99 | Editorial modification of the QoS attributes units | approved | D | 3.2.0 | Quality of Service, Concept and Architecture |
| SP-000087 | 23.107 | 013 | 1 | 3.1.1 | R99 | Generation of QoS parameters for CS data services for call setup and interworking | approved | C | 3.2.0 | Quality of Service, Concept and Architecture |
| SP-000087 | 23.107 | 014 | | 3.1.1 | R99 | Clarification of Inter-release handover | approved | F | 3.2.0 | Quality of Service, Concept and Architecture |
| SP-000087 | 23.107 | 016 | | 3.1.1 | R99 | Extension of Maximum N-PDU size | approved | F | 3.2.0 | Quality of Service, Concept and Architecture |
| SP-000087 | 23.107 | 017 | 1 | 3.1.1 | R99 | Correction of value ranges | approved | F | 3.2.0 | Quality of Service, Concept and Architecture |
| SP-000087 | 23.107 | 018 | | 3.1.1 | R99 | Correction of maximum bit rate values | approved | F | 3.2.0 | Quality of Service, Concept and Architecture |
| SP-000087 | 23.107 | 019 | 1 | 3.1.1 | R99 | Clarification of the Allocation/Retention Priority Attribute | approved | F | 3.2.0 | Quality of Service, Concept and Architecture |
| SP-000088 | 23.121 | 053 | 1 | 3.2.0 | R99 | Tunnel Endpoint Identifier | approved | F | 3.3.0 | Architecture Requirements for release 99 |
| SP-000088 | 23.121 | 054 | | 3.2.0 | R99 | Inter 3G MSC SRNS relocation | approved | C | 3.3.0 | Architecture Requirements for release 99 |

| TSG SA Doc | SPEC | CR | rev | Current version | Phase | SUBJECT | TSG status | Cat | New version | Specification Title |
|------------|--------|-----|-----|-----------------|-------|--|------------|-----|-------------|--|
| SP-000088 | 23.121 | 055 | | 3.2.0 | R99 | Change of the reference point name according to 23.002 | approved | F | 3.3.0 | Architecture Requirements for release 99 |
| SP-000088 | 23.121 | 056 | | 3.2.0 | R99 | Deletion of SRNS relocation procedure from 23.121 | approved | D | 3.3.0 | Architecture Requirements for release 99 |
| SP-000088 | 23.121 | 057 | 1 | 3.2.0 | R99 | Removal of "FFS" items | approved | D | 3.3.0 | Architecture Requirements for release 99 |
| SP-000088 | 23.121 | 058 | | 3.2.0 | R99 | Removal of L3CE references | approved | D | 3.3.0 | Architecture Requirements for release 99 |
| SP-000088 | 23.121 | 059 | | 3.2.0 | R99 | removal of detailed text on handover | approved | D | 3.3.0 | Architecture Requirements for release 99 |

GSM CRs

| TSG SA Doc | SPEC | CR | rev | Current version | Phase | SUBJECT | status | Cat | New version | Specification Title |
|------------|-------|------|-----|-----------------|-------|--|----------|-----|-------------|--|
| SP-000086 | 03.60 | A183 | | 7.3.0 | R98 | Removal of the description of the cell reselection algorithm | approved | F | 7.4.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 03.60 | A184 | | 6.6.0 | R97 | Removal of the description of the cell reselection algorithm | approved | F | 6.7.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |
| SP-000086 | 03.60 | A185 | | 7.3.0 | R98 | Extension of Maximum N-PDU size in case of PDP type = PPP | approved | F | 7.4.0 | General Packet Radio Service (GPRS) Service description; Stage 2 |

E.3 CRs from SA WG3:

3GPP CRs

| TSG SA Doc | SPEC | CR | rev | Current version | Phase | SUBJECT | TSG status | Cat | New version | Specification Title |
|------------|--------|-----|-----|-----------------|-------|--|----------------------|-----|-------------|--------------------------------------|
| SP-000112 | 33.102 | 043 | | 3.3.1 | R99 | Clarification on cipher key and integrity key lifetime lifetime | approved | C | 3.4.0 | Security Architecture |
| SP-000112 | 33.102 | 044 | | 3.3.1 | R99 | local Authentication and connection establishment | approved | D | 3.4.0 | Security Architecture |
| SP-000075 | 33.102 | 045 | 3 | 3.3.1 | R99 | Refinement EUIC | withdrawn? | F | | Security Architecture |
| SP-000077 | 33.102 | 047 | 2 | 3.3.1 | R99 | Interoperation and intersystem handover/change between UTRAN and GSM BSS | approved | C | 3.4.0 | Security Architecture |
| SP-000112 | 33.102 | 048 | | 3.3.1 | R99 | Clarification on the reuse of Avs | approved | C | 3.4.0 | Security Architecture |
| SP-000112 | 33.102 | 049 | | 3.3.1 | R99 | Authentication failure reporting | approved | F | 3.4.0 | Security Architecture |
| SP-000112 | 33.102 | 050 | | 3.3.1 | R99 | Refinement of Cipher key and integrity key lifetime | approved | F | 3.4.0 | Security Architecture |
| SP-000046 | 33.102 | 051 | 1 | 3.3.1 | R99 | Conversion function c3 at USIM | approved | F | 3.4.0 | Security Architecture |
| SP-000112 | 33.102 | 052 | 1 | 3.3.1 | R99 | Trigger points of AFR during AKA | approved | F | 3.4.0 | Security Architecture |
| SP-000112 | 33.102 | 053 | 1 | 3.3.1 | R99 | Removal of EUIC from 'Authentication Data Request' procedure | approved | F | 3.4.0 | Security Architecture |
| SP-000112 | 33.102 | 054 | 1 | 3.3.1 | R99 | Clarification of the scope | approved | F | 3.4.0 | Security Architecture |
| SP-000112 | 33.102 | 055 | | 3.3.1 | R99 | SQLN Generation Requirements | approved | F | 3.4.0 | Security Architecture |
| SP-000112 | 33.102 | 056 | 1 | 3.3.1 | R99 | Identification of temporary identities | approved | F | 3.4.0 | Security Architecture |
| SP-000112 | 33.102 | 057 | | 3.3.1 | R99 | Cipher key and integrity key selection | approved | F | 3.4.0 | Security Architecture |
| SP-000112 | 33.102 | 058 | 1 | 3.3.1 | R99 | Clarification on ciphering and integrity mode setting | approved | F | 3.4.0 | Security Architecture |
| SP-000112 | 33.102 | 059 | | 3.3.1 | R99 | Clarification on when integrity protection is started | approved | F | 3.4.0 | Security Architecture |
| SP-000112 | 33.102 | 061 | 1 | 3.3.1 | R99 | Unsuccessful integrity check | approved | F | 3.4.0 | Security Architecture |
| SP-000112 | 33.102 | 062 | 1 | 3.3.1 | R99 | Clarification on signalling messages to be integrity protected | approved | F | 3.4.0 | Security Architecture |
| SP-000112 | 33.102 | 063 | 1 | 3.3.1 | R99 | Clarification of the HFN handling | approved | F | 3.4.0 | Security Architecture |
| SP-000077 | 33.102 | 064 | 2 | 3.3.1 | R99 | Distribution and Use of Authentication Data between VLRs/SGSNs | approved | F | 3.4.0 | Security Architecture |
| SP-000077 | 33.102 | 066 | 1 | 3.3.1 | R99 | Ciphering | approved | C | 3.4.0 | Security Architecture |
| SP-000077 | 33.102 | 067 | 1 | 3.3.1 | R99 | Data integrity | approved | C | 3.4.0 | Security Architecture |
| SP-000112 | 33.102 | 071 | 1 | 3.3.1 | R99 | Use of default IK at emergency call with no (U)SIM or when authentication has failed | approved rejected | F | 3.4.0 | Security Architecture |
| SP-000112 | 33.102 | 072 | | 3.3.1 | R99 | Clarification on ciphering and integrity protection at intersystem handover | approved | F | 3.4.0 | Security Architecture |
| SP-000044 | 33.102 | 073 | 1 | 3.3.1 | R99 | MAP Security | withdrawn? | D | | Security Architecture |
| SP-000112 | 33.102 | 074 | | 3.3.1 | R99 | Clarification about CK and IK which are transmitted in clear over the lu-interface | approved | B | 3.4.0 | Security Architecture |
| SP-000112 | 33.102 | 076 | | 3.3.1 | R99 | Cipher key and integrity key lifetime | approved | F | 3.4.0 | Security Architecture |
| SP-000112 | 33.102 | 077 | | 3.3.1 | R99 | Cipher key and integrity key setting | approved | F | 3.4.0 | Security Architecture |
| SP-000112 | 33.102 | 079 | 1 | 3.3.1 | R99 | Local Authentication and connection establishment | approved | C | 3.4.0 | Security Architecture |
| SP-000075 | 33.103 | 005 | 2 | 3.1.0 | R99 | Refinement EUIC (according to TS 33.102) | withdrawn? | F | | Security Integration Guidelines |
| SP-000047 | 33.103 | 006 | | 3.1.0 | R99 | Alignment of integration Guidelines with Security Architecture at S3#10 | approved | F | 3.2.0 | Security Integration Guidelines |
| SP-000048 | 33.105 | 006 | | 3.2.0 | R99 | Authentication and key agreement | approved | F | 3.3.0 | Cryptographic Algorithm requirements |
| SP-000048 | 33.105 | 007 | | 3.2.0 | R99 | Editorial changes to Terminology | approved | F | 3.3.0 | Cryptographic Algorithm requirements |

| TSG SA Doc | SPEC | CR | rev | Current version | Phase | SUBJECT | TSG status | Cat | New version | Specification Title |
|------------|--------|-----|-----|-----------------|-------|--|------------|-----|-------------|--------------------------------------|
| SP-000075 | 33.105 | 008 | | 3.2.0 | R99 | Refinement of EUIC for consistency with 33.102 | withdrawn? | F | | Cryptographic Algorithm requirements |
| SP-000048 | 33.105 | 009 | | 3.2.0 | R99 | Ciphering | approved | C | 3.3.0 | Cryptographic Algorithm requirements |
| SP-000048 | 33.105 | 010 | | 3.2.0 | R99 | Data integrity | approved | D | 3.3.0 | Cryptographic Algorithm requirements |

E.4 CRs from SA WG4:

3GPP CRs

| TSG SA Doc | SPEC | CR | rev | Current version | Phase | SUBJECT | TSG status | Cat | New version | Specification Title |
|------------|--------|-----|-----|-----------------|-------|--|------------|-----|-------------|--|
| SP-000025 | 26.073 | 001 | | 3.0.0 | R99 | Avoidance of pulse cancellation in FCB excitation | approved | A | 3.1.0 | AMR speech Codec; C-source code |
| SP-000025 | 26.101 | 001 | | 3.0.0 | R99 | Correction of indices in Annex B table | approved | F | 3.1.0 | AMR speech Codec; Frame Structure |
| SP-000025 | 26.101 | 002 | | 3.0.0 | R99 | Addition of comfort noise bit ordering | approved | F | 3.1.0 | AMR speech Codec; Frame Structure |
| SP-000025 | 26.101 | 003 | | 3.0.0 | R99 | Correction of table indexing for AMR Core Frame class division | approved | F | 3.1.0 | AMR speech Codec; Frame Structure |
| SP-000025 | 26.101 | 004 | | 3.0.0 | R99 | Clarification of bit transmission order for AMR frame structure parameters for AMR IF1 | approved | F | 3.1.0 | AMR speech Codec; Frame Structure |
| SP-000025 | 26.102 | 001 | 3 | 3.0.0 | R99 | Introduction of QoS parameters used at RAB assignment | approved | C | 3.1.0 | AMR speech Codec; Interface to Iu and Uu |
| SP-000025 | 26.102 | 002 | | 3.0.0 | R99 | Introduction of different RFCS set on Iu User Plane | approved | C | 3.1.0 | AMR speech Codec; Interface to Iu and Uu |
| SP-000025 | 26.102 | 003 | 2 | 3.0.0 | R99 | Introduction of Time Alignment | approved | B | 3.1.0 | AMR speech Codec; Interface to Iu and Uu |

GSM CRs

| TSG SA Doc | SPEC | CR | rev | Current version | Phase | SUBJECT | status | Cat | New version | Specification Title |
|------------|-------|------|-----|-----------------|-------|--|----------|-----|-------------|---|
| SP-000025 | 06.73 | A021 | | 7.3.0 | R98 | Avoidance of pulse cancellation in FCB excitation | approved | F | 7.4.0 | ANSI-C code for the GSM Adaptive Multi Rate (AMR) speech codec |
| SP-000025 | 06.75 | A002 | | 7.1.0 | R98 | Threshold and Hysteresis for Exp. 4a and 4b | approved | D | 7.2.0 | AMR performan characterisation |
| SP-000025 | 06.75 | A003 | | 7.1.0 | R98 | Introduction of Annex D (AMR Performances as a function of FER/RBER) | approved | D | 7.2.0 | AMR performan characterisation |
| SP-000026 | 08.62 | A002 | 1 | 7.0.0 | R98 | TFO Message Extensibility | approved | C | 7.1.0 | Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3 |

E.5 CRs from SA WG5:

3GPP CRs

| TSG SA Doc | SPEC | CR | rev | Current version | Phase | SUBJECT | TSG status | Cat | New version | Specification Title |
|------------|--------|-----|-----|-----------------|-------|---|------------|-----|-------------|--|
| SP-000017 | 32.015 | 001 | | 3.0.0 | R99 | IP v6 support GTP' | revised? | F | | GSM charging PS domain |
| SP-000017 | 32.015 | 002 | 1 | 3.0.0 | R99 | GTP' header length fix | approved | F | 3.1.0 | GSM charging PS domain |
| SP-000017 | 32.015 | 003 | | 3.0.0 | R99 | Charging Characteristics to CDRs | approved | B | 3.1.0 | GSM charging PS domain |
| SP-000017 | 32.015 | 004 | | 3.0.0 | R99 | include MSISDN in S,G,M-CDR | approved | B | 3.1.0 | GSM charging PS domain |
| SP-000014 | 32.101 | 001 | | 3.0.0 | R99 | Clarify use of X.25 as a Network Layer Protocol | approved | F | 3.1.0 | 3G Telecom Management principles and high level requirements |
| SP-000014 | 32.101 | 002 | | 3.0.0 | R99 | Correction of IRP-related terminology | approved | F | 3.1.0 | 3G Telecom Management principles and high level requirements |
| SP-000014 | 32.101 | 003 | | 3.0.0 | R99 | Clarification of Software Management | approved | C | 3.1.0 | 3G Telecom Management principles and high level requirements |
| SP-000015 | 32.102 | 001 | | 3.0.0 | R99 | resolving remaining R99 inconsistency between 32.101 & 32.102 | approved | F | 3.1.0 | 3G Telecom Management architecture |
| SP-000015 | 32.102 | 002 | | 3.0.0 | R99 | Correction of IRP-related terminology | approved | F | 3.1.0 | 3G Telecom Management architecture |
| SP-000016 | 32.104 | 001 | | 3.0.0 | R99 | Reduction of measurement job advance period | approved | C | 3.1.0 | 3G Performance Management |
| SP-000016 | 32.104 | 002 | | 3.0.0 | R99 | PM file format - ASN.1 description | approved | C | 3.1.0 | 3G Performance Management |

GSM CRs

| TSG SA Doc | SPEC | CR | rev | Current version | Phase | SUBJECT | status | Cat | New version | Specification Title |
|------------|-------|------|-----|-----------------|-------|------------------------|----------|-----|-------------|--|
| SP-000017 | 12.15 | A018 | | 7.4.0 | R98 | IP v6 support GTP' | approved | F | 7.5.0 | General Packet Radio Service (GPRS); GPRS Charging |
| SP-000017 | 12.15 | A019 | 1 | 7.4.0 | R98 | GTP' header length fix | rejected | F | | General Packet Radio Service (GPRS); GPRS Charging |

Annex F: Status of all 3GPP CRs after TSG SA #7 Meeting:

| TSG Doc | SPEC | CR | rev | Current version | Phase | SUBJECT | TSG status | Cat | New version | Specification Title | WG Responsible |
|-----------|--------|-----|-----|-----------------|-------|---|------------|-----|-------------|---|----------------|
| TP-000017 | 21.111 | 002 | | 3.0.1 | R99 | Alignment with 33.102 regarding the data integrity of signalling elements and user identity confidentiality | approved | F | 3.1.0 | USIM and IC card requirements | T3 |
| SP-000069 | 22.001 | 002 | | 3.1.1 | R99 | Editorial modification for change of SMS-CB to CBS | approved | D | 3.2.0 | Principles of Circuit Telecommunication Services Supported by a Public Land Mobile Network (PLMN) | S1 |
| SP-000053 | 22.001 | 003 | | 3.1.1 | R99 | Procedure for call progress indications | approved | C | 3.2.0 | Principles of Circuit Telecommunication Services Supported by a Public Land Mobile Network (PLMN) | S1 |
| SP-000054 | 22.002 | 005 | | 3.2.0 | R99 | Corrections on 3,1 kHz Audio support | approved | F | 3.3.0 | Circuit Bearer Services Supported by a PLMN | S1 |
| SP-000069 | 22.003 | 002 | | 3.1.0 | R99 | Editorial modification for change of SMS-CB to CBS and to correct the references | approved | D | 3.2.0 | Circuit Teleservices supported by a Public Land Mobile Network (PLMN) | S1 |
| SP-000071 | 22.003 | 003 | | 3.1.0 | R00 | Addition of Wideband AMR | approved | B | 4.0.0 | Circuit Teleservices supported by a Public Land Mobile Network (PLMN) | S1 |
| SP-000068 | 22.004 | 003 | | 3.1.0 | R99 | Introduction of Multicall as Supplementary Service | approved | F | 3.2.0 | General on Supplementary Services | S1 |
| SP-000055 | 22.011 | 012 | | 3.1.0 | R99 | Corrections to 22.011 | approved | F | 3.2.0 | Service accessibility | S1 |
| SP-000055 | 22.011 | 013 | | 3.1.0 | R99 | Removal of "Home Environment Specific Network Selection Procedure" | approved | C | 3.2.0 | Service accessibility | S1 |
| SP-000071 | 22.011 | 014 | | 3.1.0 | R00 | Network Selection | approved | B | 4.0.0 | Service accessibility | S1 |
| SP-000056 | 22.030 | 007 | | 3.2.0 | R99 | Introduction of Service Code 214 for "Follow Me" | approved | B | 3.3.0 | Man-Machine Interface (MMI) of the Mobile Station (MS) | S1 |
| SP-000056 | 22.030 | 008 | | 3.2.0 | R99 | MMI(Man-Machine interface) of Multicall | approved | B | 3.3.0 | Man-Machine Interface (MMI) of the Mobile Station (MS) | S1 |
| SP-000057 | 22.034 | 003 | | 3.1.0 | R99 | CR on HSCSD changes for 3GPP | approved | C | 3.2.0 | High Speed Circuit Switched Data (HSCSD) - Stage 1 | S1 |
| SP-000058 | 22.038 | 001 | | 3.0.0 | R99 | USIM/SIM Application Toolkit, Service Description, Stage 1 | approved | D | 3.1.0 | SIM application toolkit (SAT); Stage 1 | S1 |
| SP-000058 | 22.038 | 002 | | 3.0.0 | R99 | Addition requirements for bearer independent data transfer feature | Revised | B | | SIM application toolkit (SAT); Stage 1 | S1 |
| SP-000152 | 22.038 | 002 | 1 | 3.0.0 | R99 | Addition requirements for bearer independent data transfer feature | approved | B | 3.1.0 | SIM application toolkit (SAT); Stage 1 | S1 |
| SP-000059 | 22.060 | 009 | | 3.2.0 | R99 | Restructuring to improve clarity and align with Stage 2 description for Release 99 | approved | F | 3.3.0 | General Packet Radio Service (GPRS); Stage 1 | S1 |
| SP-000060 | 22.060 | 010 | | 3.2.0 | R99 | Support of encryption in GPRS mobile stations | approved | F | 3.3.0 | General Packet Radio Service (GPRS); Stage 1 | S1 |
| SP-000071 | 22.060 | 011 | | 3.2.0 | R00 | The support of Push Services for GPRS | approved | B | 4.0.0 | General Packet Radio Service (GPRS); Stage 1 | S1 |
| SP-000061 | 22.066 | 002 | | 3.0.1 | R99 | PCS-1900 Service Provider Number Portability impacts for Mobile Number Portability | approved | B | 3.2.0 | Support of Mobile Number Portability (MNP); Stage 1 | S1 |
| SP-000062 | 22.078 | 032 | 1 | 3.2.0 | R99 | Call gapping / congestion control in HPLMN only | approved | F | 3.3.0 | CAMEL; Stage 1 | S1 |
| SP-000062 | 22.078 | 033 | | 3.2.0 | R99 | In-band user interaction for dialled services in CAMEL ph3 | approved | F | 3.3.0 | CAMEL; Stage 1 | S1 |
| SP-000062 | 22.078 | 034 | | 3.2.0 | R99 | Correction of GPRS session description | approved | F | 3.3.0 | CAMEL; Stage 1 | S1 |
| SP-000062 | 22.078 | 035 | | 3.2.0 | R99 | Reduced scope of CAMEL Phase 3 in release 99 | approved | F | 3.3.0 | CAMEL; Stage 1 | S1 |

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|-----------|--------|-----|-----|-----------------|-------|--|------------|-----|-------------|--|----------------|
| SP-000123 | 22.078 | 036 | | 3.2.0 | R99 | Correction of announcement capabilities | approved | F | 3.3.0 | CAMEL; Stage 1 | S1 |
| SP-000063 | 22.090 | 002 | | 3.0.1 | R99 | UCS2 character set for MMI mode | approved | C | 3.1.0 | Unstructured Supplementary Service Data (USSD); Stage 1 | S1 |
| SP-000064 | 22.100 | 029 | | 3.5.0 | R99 | SoLSA not applicable for UMTS release 99 | approved | F | 3.6.0 | UMTS Phase 1 | S1 |
| SP-000060 | 22.101 | 030 | | 3.8.0 | R99 | Support of encryption in GPRS mobile stations | approved | A | 3.9.0 | UMTS Service principles | S1 |
| SP-000070 | 22.101 | 031 | | 3.8.0 | R99 | Fixed Dialing Number (FDN) | approved | F | 3.9.0 | UMTS Service principles | S1 |
| | 22.101 | 032 | | 3.8.0 | R99 | Types of emergency calls | Withdrawn | B | | UMTS Service principles | S1 |
| SP-000065 | 22.105 | 022 | | 3.7.0 | R99 | Correction related to FAX support | approved | F | 3.8.0 | Services & Service capabilities | S1 |
| SP-000065 | 22.105 | 023 | | 3.7.0 | R99 | Clarification of SoLSA support | approved | C | 3.8.0 | Services & Service capabilities | S1 |
| SP-000066 | 22.115 | 004 | | 3.1.0 | R99 | Clarifications to 22.115 | approved | D | 3.2.0 | Service Aspects Charging and billing | S1 |
| SP-000067 | 22.121 | 005 | | 3.1.0 | R99 | Clarification of service capabilities | approved | F | 3.2.0 | Provision of Services in UMTS - The Virtual Home Environment | S1 |
| SP-000067 | 22.121 | 006 | | 3.1.0 | R99 | Information Transfer service capability feature | approved | C | 3.2.0 | Provision of Services in UMTS - The Virtual Home Environment | S1 |
| SP-000068 | 22.135 | 004 | | 3.1.0 | R99 | Clarification of requirement for Multicall | approved | F | 3.2.0 | Multicall Stage1 | S1 |
| SP-000084 | 23.002 | 004 | | 3.2.0 | R99 | General improvements of the split between section 3 (Definitions and abbreviations) and section 4 (The entities of the mobile system). | approved | F | 3.3.0 | Network Architecture | S2 |
| SP-000084 | 23.002 | 005 | 1 | 3.2.0 | R99 | Re-ordering of section 4 (The entities of the mobile system). | approved | D | 3.3.0 | Network Architecture | S2 |
| SP-000084 | 23.002 | 006 | | 3.2.0 | R99 | Re-ordering of section 5 (Configuration of a Public Land Mobile Network). | approved | D | 3.3.0 | Network Architecture | S2 |
| SP-000084 | 23.002 | 007 | | 3.2.0 | R99 | Re-ordering of section 6 ("PLMN interfaces"). | approved | D | 3.3.0 | Network Architecture | S2 |
| SP-000084 | 23.002 | 008 | | 3.2.0 | R99 | Simplification of the figure 1 (configuration of a PLMN and interfaces) | approved | D | 3.3.0 | Network Architecture | S2 |
| SP-000084 | 23.002 | 009 | 1 | 3.2.0 | R99 | Introduction of CAMEL aspects. | approved | B | 3.3.0 | Network Architecture | S2 |
| SP-000084 | 23.002 | 011 | 1 | 3.2.0 | R99 | Introduction of CBS aspects | approved | B | 3.3.0 | Network Architecture | S2 |
| SP-000084 | 23.002 | 012 | 2 | 3.2.0 | R99 | Add LCS enhancements | approved | C | 3.3.0 | Network Architecture | S2 |
| SP-000084 | 23.002 | 013 | 4 | 3.2.0 | R99 | Define GSM LCS parts and add UMTS LCS "hooks" in the network architecture. | approved | C | 3.3.0 | Network Architecture | S2 |
| SP-000084 | 23.002 | 014 | 1 | 3.2.0 | R99 | Incorporation of network architecture material coming from section 4 of 29.002 | approved | F | 3.3.0 | Network Architecture | S2 |
| NP-000079 | 23.003 | 014 | | 3.3.0 | R99 | Necessity of the function of the calculation an SGSN IP address from the target ID | approved | B | 3.4.0 | Numbering, Addressing and Identification | N2 |
| NP-000076 | 23.003 | 015 | 3 | 3.3.0 | R99 | Introduction of Encrypted MSI | rejected | B | | Numbering, Addressing and Identification | N2 |
| NP-000079 | 23.003 | 016 | | 3.3.0 | R99 | Definition of Service Area Identification | approved | B | 3.4.0 | Numbering, Addressing and Identification | N2 |
| NP-000076 | 23.003 | 017 | 1 | 3.3.0 | R99 | Modification of section 6.2 to enhance IMEI security | revised | C | | Numbering, Addressing and Identification | N2 |
| NP-000174 | 23.003 | 017 | 2 | 3.3.0 | R99 | Modification of section 6.2 to enhance IMEI security | approved | C | 3.4.0 | Numbering, Addressing and Identification | N2 |
| NP-000068 | 23.003 | 018 | | 3.3.0 | R99 | Coding of a deleted P-TMSI signature | approved | F | 3.4.0 | Numbering, Addressing and Identification | N2 |
| NP-000071 | 23.007 | 004 | | 3.2.0 | R99 | Support of VLR and HLR Data Restoration procedures with LCS | approved | F | 3.3.0 | Restoration procedures | N2 |
| NP-000065 | 23.008 | 012 | 2 | 3.2.0 | R99 | Introduction of 'Notification to CSE flag'to ODB | approved | C | 3.3.0 | Organisation of subscriber data | N2 |
| NP-000078 | 23.008 | 013 | | 3.2.0 | R99 | Correction of LSA Information | approved | A | 3.3.0 | Organisation of subscriber data | N2 |
| NP-000077 | 23.008 | 014 | 2 | 3.2.0 | R99 | The addition of priority information to subscriber data | approved | B | 3.3.0 | Organisation of subscriber data | N2 |
| NP-000073 | 23.008 | 015 | 1 | 3.2.0 | R99 | Introduction of Multicall | approved | B | 3.3.0 | Organisation of subscriber data | N2 |

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|-----------|--------|-----|-----|-----------------|-------|---|------------|-----|-------------|---|----------------|
| NP-000077 | 23.008 | 016 | 1 | 3.2.0 | R99 | Parallel handling of multiple PDP contexts | approved | B | 3.3.0 | Organisation of subscriber data | N2 |
| NP-000079 | 23.008 | 019 | 1 | 3.2.0 | R99 | Introduction of Service Area Identification | approved | B | 3.3.0 | Organisation of subscriber data | N2 |
| NP-000065 | 23.008 | 020 | 1 | 3.2.0 | R99 | Addition of gsmSCF address list to CSI | approved | C | 3.3.0 | Organisation of subscriber data | N2 |
| NP-000076 | 23.008 | 022 | 1 | 3.2.0 | R99 | Introduction of Enhanced User Identity Confidentiality | rejected | B | | Organisation of subscriber data | N2 |
| NP-000065 | 23.008 | 023 | 1 | 3.2.0 | R99 | Combined CR on 23.008 | approved | F | 3.3.0 | Organisation of subscriber data | N2 |
| NP-000065 | 23.008 | 024 | | 3.2.0 | R99 | Adding D-CSI to table with Negotiated CAMEL Capability Handling variables | approved | B | 3.3.0 | Organisation of subscriber data | N2 |
| NP-000067 | 23.008 | 025 | | 3.2.0 | R99 | Addition of PDP Context Identifier | approved | A | 3.3.0 | Organisation of subscriber data | N2 |
| NP-000095 | 23.009 | 002 | 3 | 3.1.0 | R99 | CR to 23.009 on Handover scenario for Multicall | Rejected | B | | Handover procedures | N1 |
| NP-000092 | 23.009 | 003 | | 3.1.0 | R99 | Functional requirements for the use of RANAP over the E i/f | approved | B | 3.2.0 | Handover procedures | N1 |
| NP-000093 | 23.009 | 004 | | 3.1.0 | R99 | Procedures for 3G_MSC-B_HO | approved | C | 3.2.0 | Handover procedures | N1 |
| NP-000093 | 23.009 | 005 | | 3.1.0 | R99 | Procedures for 3G_MSC-A_HO | approved | C | 3.2.0 | Handover procedures | N1 |
| NP-000092 | 23.009 | 006 | | 3.1.0 | R99 | Introduction of RANAP for intra-UMTS inter-MSC relocation | approved | C | 3.2.0 | Handover procedures | N1 |
| NP-000092 | 23.009 | 007 | | 3.1.0 | R99 | Clarifications of 3G_MSC-A and 3G_MSC-B roles | approved | A | 3.2.0 | Handover procedures | N1 |
| NP-000098 | 23.009 | 008 | 2 | 3.1.0 | R99 | Transcoder handling in the CN at inter-system handover and relocation | approved | B | 3.2.0 | Handover procedures | N1 |
| NP-000076 | 23.012 | 003 | 3 | 3.1.0 | R99 | Introduction of Enhanced User Identity Confidentiality | rejected | B | | Location management procedures | N2 |
| NP-000076 | 23.012 | 004 | | 3.1.0 | R99 | Addition of Current Security Context to Send_Identification_PVLR | approved | B | 3.2.0 | Location management procedures | N2 |
| NP-000076 | 23.012 | 005 | | 3.1.0 | R99 | Introduction of Authentication Failure Report | approved | B | 3.2.0 | Location management procedures | N2 |
| NP-000078 | 23.016 | 010 | | 3.3.0 | R99 | Correction of LSA Information | approved | A | 3.4.0 | Subscriber data management - Stage 2 | N2 |
| NP-000077 | 23.016 | 011 | 1 | 3.3.0 | R99 | The addition of priority information | approved | B | 3.4.0 | Subscriber data management - Stage 2 | N2 |
| NP-000073 | 23.016 | 012 | 2 | 3.3.0 | R99 | Introduction of subscriber data for Multicall | approved | B | 3.4.0 | Subscriber data management - Stage 2 | N2 |
| NP-000073 | 23.018 | 025 | 7 | 3.3.0 | R99 | Addition of the description for Multicall | approved | B | 3.4.0 | Basic Call Handling - Technical realisation | N2 |
| NP-000065 | 23.018 | 026 | 2 | 3.3.0 | R99 | Alternative solution for ALR | approved | B | 3.4.0 | Basic Call Handling - Technical realisation | N2 |
| NP-000065 | 23.018 | 028 | 1 | 3.3.0 | R99 | User interaction and monitoring | rejected | C | | Basic Call Handling - Technical realisation | N2 |
| NP-000075 | 23.018 | 030 | | 3.3.0 | R99 | Correction of the SDL diagram for Pre-paging | approved | F | 3.4.0 | Basic Call Handling - Technical realisation | N2 |
| NP-000065 | 23.018 | 032 | 1 | 3.3.0 | R99 | Inclusion of D-CSI/N-CSI check in HLR/VLR | approved | F | 3.4.0 | Basic Call Handling - Technical realisation | N2 |
| NP-000065 | 23.018 | 033 | | 3.3.0 | R99 | Initialisation of Backward Call indicator | approved | F | 3.4.0 | Basic Call Handling - Technical realisation | N2 |
| NP-000065 | 23.018 | 034 | | 3.3.0 | R99 | Correction of the result of the procedure CAMEL_ICH_MSC_INIT | approved | F | 3.4.0 | Basic Call Handling - Technical realisation | N2 |
| NP-000076 | 23.018 | 036 | 3 | 3.3.0 | R99 | Introduction of Enhanced User Identity Confidentiality | rejected | B | | Basic Call Handling - Technical realisation | N2 |
| NP-000065 | 23.018 | 037 | | 3.3.0 | R99 | Clarification of N-CSI in Core Network | approved | F | 3.4.0 | Basic Call Handling - Technical realisation | N2 |
| NP-000065 | 23.018 | 038 | 1 | 3.3.0 | R99 | Definition of Continue CAMEL Handling | approved | F | 3.4.0 | Basic Call Handling - Technical realisation | N2 |
| NP-000079 | 23.018 | 039 | 2 | 3.3.0 | R99 | Updating references to point to 3G specifications | approved | D | 3.4.0 | Basic Call Handling - Technical realisation | N2 |
| NP-000072 | 23.018 | 043 | 1 | 3.3.0 | R99 | Clarification of NPDB error detection and MNP specific call handling | approved | F | 3.4.0 | Basic Call Handling - Technical realisation | N2 |
| NP-000065 | 23.018 | 044 | | 3.3.0 | R99 | Setting the Destination Address for MO calls | approved | F | 3.4.0 | Basic Call Handling - Technical realisation | N2 |
| NP-000065 | 23.018 | 047 | | 3.3.0 | R99 | O-CSI and D-CSI checks for ORLCF calls | approved | F | 3.4.0 | Basic Call Handling - Technical realisation | N2 |
| NP-000065 | 23.018 | 048 | | 3.3.0 | R99 | Correction of CF notification | approved | F | 3.4.0 | Basic Call Handling - Technical realisation | N2 |
| NP-000076 | 23.018 | 049 | | 3.3.0 | R99 | Introduction of Authentication Failure Report | approved | B | 3.4.0 | Basic Call Handling - Technical realisation | N2 |
| NP-000072 | 23.018 | 050 | 3 | 3.3.0 | R99 | ISUP release cause value | approved | C | 3.4.0 | Basic Call Handling - Technical realisation | N2 |

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| SP-000085 | 23.032 | 001 | | 3.0.0 | R99 | Aligning 23.032 with changes in 03.32 | approved | B | 3.1.0 | Universal Geographical Area Description (GAD) | S2 |
| NP-000090 | 23.034 | 003 | 2 | 3.1.1 | R99 | Modifications to Stage 2 service description due to EDGE | approved | B | 3.2.0 | High Speed Circuit Switched Data (HSCSD) - Stage 2 | N1 |
| NP-000093 | 23.034 | 004 | 1 | 3.1.1 | R99 | Support of high speed data in UMTS/UTRAN | approved | C | 3.2.0 | High Speed Circuit Switched Data (HSCSD) - Stage 2 | N1 |
| TP-000024 | 23.040 | 009 | | 3.3.0 | R99 | Enhancement of the Message Content in SMS | approved | B | 3.4.0 | Technical realisation of Short Message Service | T2 |
| TP-000024 | 23.040 | 010 | | 3.3.0 | R99 | SMS multiple information elements | approved | B | 3.4.0 | Technical realisation of Short Message Service | T2 |
| TP-000024 | 23.040 | 011 | | 3.3.0 | R99 | SMS E-MAIL PARAMETERS | approved | B | 3.4.0 | Technical realisation of Short Message Service | T2 |
| TP-000024 | 23.041 | 003 | | 3.1.0 | R99 | Addition of LCS message identifier to support GPS Navigation message | approved | A | 3.2.0 | Technical Realization of Cell Broadcast Service | T2 |
| TP-000024 | 23.041 | 004 | | 3.1.0 | R99 | Adaptation of the scope of TS 23.041 from "GSM only" to "GSM and UMTS" part II | approved | F | 3.2.0 | Technical Realization of Cell Broadcast Service | T2 |
| TP-000024 | 23.057 | 001 | | 3.0.0 | R99 | Corrections to WAP chapters | approved | F | 3.1.0 | Mobile Station Application Execution Environment (MExE) | T2 |
| TP-000024 | 23.057 | 002 | | 3.0.0 | R99 | QoS | approved | F | 3.1.0 | Mobile Station Application Execution Environment (MExE) | T2 |
| SP-000086 | 23.060 | 052 | 2 | 3.2.1 | R99 | QoS Related Updates | approved | B | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000135 | 23.060 | 065 | 5 | 3.2.1 | R99 | Radio bearer release and PDP context interaction | approved | B | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 080 | 2 | 3.2.1 | R99 | GPRS Interworking With CAMEL | approved | D | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 085 | | 3.2.1 | R99 | Storage of Aggregated BSS QoS Profile in the SGSN | approved | B | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 086 | | 3.2.1 | R99 | Modification to selective routing area update procedure | approved | C | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 088 | 1 | 3.2.1 | R99 | QoS delay budget in CN and RAN. | approved | B | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 089 | 1 | 3.2.1 | R99 | Release of RABs Without PDP Context Modification | approved | B | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 090 | | 3.2.1 | R99 | NSAPI as RAB identifier for packet | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 091 | | 3.2.1 | R99 | Correction to GPRS/CAMEL interworking. | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 092 | | 3.2.1 | R99 | IP Multicast support in GPRS. | approved | B | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 094 | | 3.2.1 | R99 | Removal of the description of the cell reselection algorithm from 23.60 | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 096 | | 3.2.1 | R99 | Removal of PDP Type X.25 support | approved | B | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 097 | 1 | 3.2.1 | R99 | AAL5 description | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |

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| SP-000086 | 23.060 | 098 | | 3.2.1 | R99 | Removal of Anonymous Access support | approved | B | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 099 | | 3.2.1 | R99 | Removal of TCP support in the packet domain PLMN backbone network | approved | B | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 100 | 1 | 3.2.1 | R99 | IPv6 as optional Iu and Gn protocol | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 101 | 1 | 3.2.1 | R99 | Common GPRS and UMTS PS attach procedure | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000135 | 23.060 | 102 | 3 | 3.2.1 | R99 | Classmark handling | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 103 | 1 | 3.2.1 | R99 | UMTS Authentication | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 104 | 3 | 3.2.1 | R99 | Hard handover with switching in CN | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 105 | 1 | 3.2.1 | R99 | Transfer of present RA information from UTRAN to SGSN | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 106 | 2 | 3.2.1 | R99 | Service Request | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 107 | | 3.2.1 | R99 | Correction to Address allocation procedure for PDP Type IPv 6 | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 108 | 1 | 3.2.1 | R99 | Aligning SRNC relocation procedure | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 109 | 1 | 3.2.1 | R99 | PDCP sequence numbers in SRNC relocation | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 110 | 1 | 3.2.1 | R99 | RAB Assignment Description | approved | D | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 112 | 1 | 3.2.1 | R99 | Removing NSAPI from GTP-C response messages | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 114 | 1 | 3.2.1 | R99 | Clarification of RANAP and GTP procedures in SRNS relocation | approved | C | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 116 | | 3.2.1 | R99 | Subscriber and equipment trace for PS domain | approved | D | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 119 | | 3.2.1 | R99 | Extension of Maximum N-PDU size in case of PDP type = PPP | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 121 | | 3.2.1 | R99 | User control screening in R99 | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 122 | | 3.2.1 | R99 | Improving charging efficiency | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 123 | | 3.2.1 | R99 | Removal of P-TMSI Signature in Service Request | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 125 | 1 | 3.2.1 | R99 | Clarification of unsuccessful RAB assignment | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 127 | 1 | 3.2.1 | R99 | Volume based charging | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 128 | | 3.2.1 | R99 | PDCP sequence numbers in SRNC relocation and inter-system handover | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |

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| SP-000086 | 23.060 | 129 | 2 | 3.2.1 | R99 | Combined Cell Update/URA Update and SRNS Relocation | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 130 | 2 | 3.2.1 | R99 | Serving RNC Relocation Procedure | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 131 | 1 | 3.2.1 | R99 | Support for combined procedures also at UMTS<->GSM Inter System Change | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 133 | 1 | 3.2.1 | R99 | PDP Type to RNC Context | approved | B | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 134 | 1 | 3.2.1 | R99 | PDP Context modification on RAB Release | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 135 | | 3.2.1 | R99 | Clarification on lu interface | approved | D | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 136 | 1 | 3.2.1 | R99 | Adaptation of 23.060 terminology with the N1 agreement | approved | D | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 138 | | 3.2.1 | R99 | Deletion of GGSN TEID in the update PDP context request message | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 139 | | 3.2.1 | R99 | Action upon reception of GTP-u PDU in the case of SGSN/GGSN failure | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 140 | | 3.2.1 | R99 | Clarification of intra-SGSN inter-system change to GPRS | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 141 | 1 | 3.2.1 | R99 | Clarification of intra-SGSN inter-system change to UMTS | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 142 | | 3.2.1 | R99 | Clarification of inter-SGSN inter-system change to GPRS | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000135 | 23.060 | 143 | | 3.2.1 | R99 | Clarification of inter-SGSN inter-system change to UMTS | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 144 | 1 | 3.2.1 | R99 | Clarification of MS information procedure in UMTS | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 145 | | 3.2.1 | R99 | Change to the IP-V6 address allocation | approved | D | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 23.060 | 146 | 1 | 3.2.1 | R99 | Correction to stateless address autoconfiguration procedure for PDP Type IPv6 | approved | F | 3.3.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| NP-000072 | 23.066 | 007 | 1 | 3.1.0 | R99 | Editorial clean up | approved | D | 3.2.0 | Support of GSM Mobile Number Portability (MNP) stage 2 | N2 |
| NP-000072 | 23.066 | 008 | 4 | 3.1.0 | R99 | Alignment of IN interface with Fixed Networks | approved | B | 3.2.0 | Support of GSM Mobile Number Portability (MNP) stage 2 | N2 |
| NP-000072 | 23.066 | 009 | 3 | 3.1.0 | R99 | Detection of database synchronisation errors in SRF | approved | B | 3.2.0 | Support of GSM Mobile Number Portability (MNP) stage 2 | N2 |
| NP-000072 | 23.066 | 012 | 2 | 3.1.0 | R99 | Results of Public Enquiry 9953 | approved | D | 3.2.0 | Support of GSM Mobile Number Portability (MNP) stage 2 | N2 |
| NP-000072 | 23.066 | 015 | 1 | 3.1.0 | R99 | Clarification of NPDB error detection and MNP specific call handling | approved | F | 3.2.0 | Support of GSM Mobile Number Portability (MNP) stage 2 | N2 |
| | 23.067 | 001 | | 3.0.0 | R99 | Cause pre-emption removed from HOLD message. | | A | 3.1.0 | Enhanced Multi-Level Precedence and Preemption Service (EMLPP) - Stage 2 | NS |
| | 23.067 | 002 | | 3.0.0 | R99 | Priority update by the use of Assignment procedure | | C | 3.1.0 | Enhanced Multi-Level Precedence and Preemption Service (EMLPP) - Stage 2 | NS |

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| NP-000065 | 23.079 | 009 | | 3.3.0 | R99 | Correction of CF notification | approved | A | 3.3.0 | Support of Optical Routeing - Phase 1 - Stage 2 | N2 |
| NP-000079 | 23.079 | 010 | 1 | 3.3.0 | R99 | Updating references to point to 3G specifications | approved | D | 3.3.0 | Support of Optical Routeing - Phase 1 - Stage 2 | N2 |
| NP-000079 | 23.079 | 011 | | 3.3.0 | R99 | Indication of OR capability of the GMSC to the destination MSC/VLR | approved | F | 3.3.0 | Support of Optical Routeing - Phase 1 - Stage 2 | N2 |
| NP-000025 | 23.082 | 003 | 3 | 3.1.0 | R99 | Introduction of 'Notification to CSE flag' to CF | | C | 3.2.0 | Call Forwarding (CF) Supplementary Services - Stage 2 | NS |
| NP-000024 | 23.082 | 004 | 2 | 3.1.0 | R99 | Addition of Long Forwarded-to Numbers | | B | 3.2.0 | Call Forwarding (CF) Supplementary Services - Stage 2 | NS |
| NP-000112 | 23.082 | 005 | | 3.1.0 | R99 | Inclusion of TIF-CSI | | A | 3.2.0 | Call Forwarding (CF) Supplementary Services - Stage 2 | NS |
| NP-000025 | 23.088 | 001 | 3 | 3.1.0 | R99 | Introduction of 'Notification to CSE flag' to CB | | C | 3.2.0 | Call Barring (CB) Supplementary Service - Stage 2 | NS |
| NP-000026 | 23.094 | 001 | | 3.0.0 | R99 | Follow Me stage 2 specification | | F | 3.1.0 | Follow Me Stage 2 | NS |
| NP-000028 | 23.097 | 004 | | 3.1.0 | R99 | Minor editorial corrections | | D | 3.1.1 | Multiple Subscriber Profile (MSP); Stage 2 | NS |
| SP-000087 | 23.107 | 012 | 1 | 3.1.1 | R99 | Editorial modification of the QoS attributes units | approved | D | 3.2.0 | Quality of Service, Concept and Architecture | S2 |
| SP-000087 | 23.107 | 013 | 1 | 3.1.1 | R99 | Generation of QoS parameters for CS data services for call setup and interworking | approved | C | 3.2.0 | Quality of Service, Concept and Architecture | S2 |
| SP-000087 | 23.107 | 014 | | 3.1.1 | R99 | Clarification of Inter-release handover | approved | F | 3.2.0 | Quality of Service, Concept and Architecture | S2 |
| SP-000087 | 23.107 | 016 | | 3.1.1 | R99 | Extension of Maximum N-PDU size | approved | F | 3.2.0 | Quality of Service, Concept and Architecture | S2 |
| SP-000087 | 23.107 | 017 | 1 | 3.1.1 | R99 | Correction of value ranges | approved | F | 3.2.0 | Quality of Service, Concept and Architecture | S2 |
| SP-000087 | 23.107 | 018 | | 3.1.1 | R99 | Correction of maximum bit rate values | approved | F | 3.2.0 | Quality of Service, Concept and Architecture | S2 |
| SP-000087 | 23.107 | 019 | 1 | 3.1.1 | R99 | Clarification of the Allocation/Retention Priority Attribute | approved | F | 3.2.0 | Quality of Service, Concept and Architecture | S2 |
| NP-000098 | 23.108 | 003 | | 3.1.0 | R99 | Updates for call procedures for UMTS, including codec negotiation | Withdrawn | B | | Mobile Radio Interface Layer 3 specification Core Network Protocols stage 2 (structured procedures) | N1 |
| NP-000095 | 23.108 | 004 | | 3.1.0 | R99 | Clarification on timing to release TCH | approved | C | 3.2.0 | Mobile Radio Interface Layer 3 specification Core Network Protocols stage 2 (structured procedures) | N1 |
| SP-000088 | 23.121 | 053 | 1 | 3.2.0 | R99 | Tunnel Endpoint Identifier | approved | F | 3.3.0 | Architecture Requirements for release 99 | S2 |
| SP-000088 | 23.121 | 054 | | 3.2.0 | R99 | Inter 3G MSC SRNS relocation | approved | C | 3.3.0 | Architecture Requirements for release 99 | S2 |
| SP-000088 | 23.121 | 055 | | 3.2.0 | R99 | Change of the reference point name according to 23.002 | approved | F | 3.3.0 | Architecture Requirements for release 99 | S2 |
| SP-000088 | 23.121 | 056 | | 3.2.0 | R99 | Deletion of SRNS relocation procedure from 23.121 | approved | D | 3.3.0 | Architecture Requirements for release 99 | S2 |
| SP-000088 | 23.121 | 057 | 1 | 3.2.0 | R99 | Removal of "FFS" items | approved | D | 3.3.0 | Architecture Requirements for release 99 | S2 |
| SP-000088 | 23.121 | 058 | | 3.2.0 | R99 | Removal of L3CE references | approved | D | 3.3.0 | Architecture Requirements for release 99 | S2 |
| SP-000088 | 23.121 | 059 | | 3.2.0 | R99 | removal of detailed text on handover | approved | D | 3.3.0 | Architecture Requirements for release 99 | S2 |
| NP-000101 | 23.122 | 004 | 1 | 3.1.1 | | UTMS references in 23.122 | approved | D | 3.2.0 | Non Access Stratum functions related to Mobile Station (MS) in idle mode | N1 |
| NP-000093 | 24.007 | 006 | 1 | 3.2.0 | R99 | Updating Session Management (SM) for R99 | approved | C | 3.3.0 | Mobile Radio Interface Signalling Layer 3 - General Aspects | N1 |
| NP-000093 | 24.007 | 007 | | 3.2.0 | R99 | Removal of Anonymous Access | approved | C | 3.3.0 | Mobile Radio Interface Signalling Layer 3 - General Aspects | N1 |
| NP-000093 | 24.007 | 008 | | 3.2.0 | R99 | PMMSMS-REL-Req deletion in MS side | approved | C | 3.3.0 | Mobile Radio Interface Signalling Layer 3 - General Aspects | N1 |

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| NP-000100 | 24.007 | 010 | 1 | 3.2.0 | R99 | Addition of integrity protection feature | approved | C | 3.3.0 | Mobile Radio Interface Signalling Layer 3 - General Aspects | N1 |
| NP-000095 | 24.008 | 032 | 10 | 3.2.1 | R99 | Addition of the Stream Identifier Information Element | approved | B | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000090 | 24.008 | 049 | 4 | 3.2.1 | R99 | Support of 400 and 850 MHz band | approved | B | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000091 | 24.008 | 091 | 1 | 3.2.1 | R99 | Timer control for GPRS detach | approved | A | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000100 | 24.008 | 093 | | 3.2.1 | R99 | UMTS security parameters, Handling of Ciphering algorithm IE in UMTS | approved | C | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000100 | 24.008 | 094 | | 3.2.1 | R99 | UMTS security parameters, Correction of format for IE "Response from SIM" | approved | F | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000100 | 24.008 | 095 | 1 | 3.2.1 | R99 | UMTS security parameters, Combined reject causes for CS and PS | approved | C | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000097 | 24.008 | 096 | 1 | 3.2.1 | R99 | Clarification of NITZ time stamp coding | approved | A | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000186 | 24.008 | 097 | 1 | 3.2.1 | R99 | Changes to support a circuit switched multimedia call. | approved | B | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000096 | 24.008 | 097 | 3 | 3.2.1 | R99 | Changes to support a circuit switched multimedia call | approved | B | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000100 | 24.008 | 099 | 1 | 3.2.1 | R99 | Authentication Reject from MS | approved | C | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000092 | 24.008 | 107 | 1 | 3.2.1 | R99 | Abnormal cases in Service Request procedure | approved | B | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000093 | 24.008 | 109 | | 3.2.1 | R99 | Service Request procedure in the chapter 4.1.1. | approved | B | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000093 | 24.008 | 111 | | 3.2.1 | R99 | Removal of Anonymous Access | approved | C | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000099 | 24.008 | 113 | 1 | 3.2.1 | R99 | Abnormal cases for TFT handling, TFT IE maximum length | approved | F | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000099 | 24.008 | 114 | 3 | 3.2.1 | R99 | Compact coding of QoS IE | approved | C | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000093 | 24.008 | 116 | 1 | 3.2.1 | R99 | Paging response in 4.7.9 | approved | F | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000091 | 24.008 | 117 | | 3.2.1 | R99 | Removal of APN from REQUEST PDP CONTEXT ACTIVATION REJECT message | approved | A | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000100 | 24.008 | 118 | 3 | 3.2.1 | R99 | Integrity checking of MM and GMM messages | Revised | C | | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000157 | 24.008 | 118 | 4 | 3.2.1 | R99 | Integrity checking of MM and GMM messages | approved | C | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000091 | 24.008 | 119 | 1 | 3.2.1 | R99 | Correction of N-PDU IE Length in GMM messages Routing Area Update Accept and Routing Area Update Complete. | approved | A | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000091 | 24.008 | 120 | 1 | 3.2.1 | R99 | Usage of Combined Procedures during CM service rejec | approved | A | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000101 | 24.008 | 123 | | 3.2.1 | R99 | GSM Cleanup - Removal of V.23 | approved | C | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |

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| NP-000100 | 24.008 | 125 | 1 | 3.2.1 | R99 | Alignment of the procedure "Authentication not accepted by the MS" in MM and GMM. | approved | C | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000092 | 24.008 | 127 | | 3.2.1 | R99 | Clarification to the MS handling when receiving detach type 'IMSI detach' | approved | F | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000094 | 24.008 | 129 | 2 | 3.2.1 | R99 | Proposal of classmark 1 and 2 for UMTS version2 | approved | F | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000094 | 24.008 | 130 | 1 | 3.2.1 | R99 | Proposal for network capability for UMTS | approved | F | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000101 | 24.008 | 131 | 1 | 3.2.1 | R99 | Extended Transaction Identifier | approved | F | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000089 | 24.008 | 133 | 1 | 3.2.1 | R99 | Marking ASCII descriptions | approved | D | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000094 | 24.008 | 134 | 1 | 3.2.1 | | Clarifying the presence of the Classmark 2 IE in the LOCATION UPDATE REQUEST message | approved | C | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000092 | 24.008 | 135 | 1 | 3.2.1 | R99 | BCIE changes to support high speed data in UMTS/UTRAN | approved | C | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000091 | 24.008 | 139 | 1 | 3.2.1 | R99 | Collision of network initiated Detach with the attach and RAU procedure | approved | A | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000091 | 24.008 | 140 | | 3.2.1 | R99 | Conditions when to start the GMM timer T3321 | approved | A | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000093 | 24.008 | 141 | | 3.2.1 | R99 | SM IEI value | approved | F | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000092 | 24.008 | 142 | 1 | 3.2.1 | R99 | Initial value for T3302 | approved | F | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000093 | 24.008 | 144 | | 3.2.1 | R99 | NAS System Information with T3312 included in the CS domain specific part | approved | C | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000092 | 24.008 | 145 | 1 | 3.2.1 | R99 | Intersystem change GSM <-> UMTS | approved | C | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000093 | 24.008 | 146 | 1 | 3.2.1 | R99 | Paging response in UMTS | approved | C | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000092 | 24.008 | 147 | | 3.2.1 | R99 | Corrections to Service Request procedure | approved | C | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000094 | 24.008 | 152 | 2 | 3.2.1 | R99 | Modification of MS Classmark 1 and 2 | approved | C | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000100 | 24.008 | 155 | 1 | 3.2.1 | R99 | Alignment of the AUTN and Authentication Failure Parameter length | approved | C | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000095 | 24.008 | 157 | 2 | 3.2.1 | R99 | Multicall Information in Call Control Capability IE | approved | C | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000092 | 24.008 | 158 | 1 | 3.2.1 | R99 | Duplicated PDP context activation | approved | C | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000093 | 24.008 | 159 | 1 | 3.2.1 | R99 | Presence of TFT IE in Activate Secondary PDP Context Request | approved | C | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000092 | 24.008 | 160 | | 3.2.1 | R99 | Correction of length of TI | approved | D | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000099 | 24.008 | 162 | 1 | 3.2.1 | R99 | Deletion/modification of primary PDP context | approved | F | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |

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| NP-000100 | 24.008 | 163 | 1 | 3.2.1 | R99 | Clarifications on the GMM Authentication procedure | approved | F | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000100 | 24.008 | 164 | | 3.2.1 | R99 | Handling of GPRS keys at intersystem change | approved | F | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000100 | 24.008 | 165 | | 3.2.1 | R99 | Handling of CS keys at intersystem change | approved | F | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000092 | 24.008 | 168 | 2 | 3.2.1 | R99 | DRX parameter for UMTS | approved | C | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000101 | 24.008 | 170 | | 3.2.1 | R99 | Correction of static conditions of BC IE contents | approved | F | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000100 | 24.008 | 171 | 2 | 3.2.1 | R99 | Clarifications on the MM Authentication procedure | approved | F | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000089 | 24.008 | 177 | | 3.2.1 | R99 | Addition of cause value #25 'Pre-emption' | approved | A | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000095 | 24.008 | 178 | 2 | 3.2.1 | R99 | Introduction of NW CC Capability for Multicall | approved | B | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000092 | 24.008 | 179 | | 3.2.1 | R99 | Correction of Service request procedure after the colition with Detach procedure | approved | F | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000098 | 24.008 | 180 | 1 | 3.2.1 | R99 | Introduction of UMTS AMR | approved | B | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000101 | 24.008 | 181 | | 3.2.1 | R99 | Removal of X.25 for packet domain services | approved | C | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000091 | 24.008 | 182 | 2 | 3.2.1 | R99 | Usage of cause code IE in network initiated detach | approved | A | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000130 | 24.008 | 183 | | 3.2.1 | R99 | Moving NOTIFICATION RESPONSE from MM to GSM RR | approved | A | 3.3.0 | Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3 | N1 |
| NP-000093 | 24.011 | 003 | 1 | 3.1.0 | R99 | SMC-GP SDL modification to transfer SMS messages via GMM | approved | C | 3.2.0 | Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface | N1 |
| NP-000101 | 24.011 | 004 | 1 | 3.2.0 | R99 | Reintroduction of deleted arrow diagrams | approved | F | 3.3.0 | Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface | N1 |
| NP-000101 | 24.011 | 005 | - | 3.1.0 | R99 | Cleaning up the References | approved | D | 3.2.0 | Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface | N1 |
| NP-000027 | 24.080 | 002 | 1 | 3.1.0 | R99 | Correction to Location Notification Type and LCS-MOLR errors | | A | 3.2.0 | Mobile radio Layer 3 Supplementary Service specification - Formats and coding | NS |
| | 24.080 | 003 | | 3.1.0 | R99 | Addition of the description for Multicall | | B | 3.2.0 | Mobile radio Layer 3 Supplementary Service specification - Formats and coding | NS |
| RP-000015 | 25.101 | 020 | | 3.1.0 | R99 | Clarifications to measurement channels | approved | F | 3.2.0 | UE Radio transmission and reception (FDD) | R4 |
| RP-000015 | 25.101 | 021 | | 3.1.0 | R99 | Power measurement definitions for wanted signal (in-channel signal) | approved | D | 3.2.0 | UE Radio transmission and reception (FDD) | R4 |
| RP-000015 | 25.101 | 022 | | 3.1.0 | R99 | Change of propagation conditions for Case 2 | approved | F | 3.2.0 | UE Radio transmission and reception (FDD) | R4 |
| RP-000015 | 25.101 | 023 | | 3.1.0 | R99 | Editorial corrections | approved | D | 3.2.0 | UE Radio transmission and reception (FDD) | R4 |
| RP-000015 | 25.101 | 024 | | 3.1.0 | R99 | Birth-Death tap delays | approved | F | 3.2.0 | UE Radio transmission and reception (FDD) | R4 |
| RP-000015 | 25.101 | 025 | | 3.1.0 | R99 | Out-of-synchronisation handling of the UE | approved | C | 3.2.0 | UE Radio transmission and reception (FDD) | R4 |
| RP-000015 | 25.101 | 026 | | 3.1.0 | R99 | UE Modulation performance requirements | approved | F | 3.2.0 | UE Radio transmission and reception (FDD) | R4 |
| RP-000015 | 25.101 | 027 | | 3.1.0 | R99 | Measurement channel for UE PCDE test | approved | F | 3.2.0 | UE Radio transmission and reception (FDD) | R4 |
| RP-000015 | 25.101 | 028 | | 3.1.0 | R99 | CR for performance requirement of BTFD | approved | F | 3.2.0 | UE Radio transmission and reception (FDD) | R4 |

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| RP-000015 | 25.101 | 029 | | 3.1.0 | R99 | CPCCH | approved | B | 3.2.0 | UE Radio transmission and reception (FDD) | R4 |
| RP-000015 | 25.101 | 030 | | 3.1.0 | R99 | Clarification of ACLR | approved | D | 3.2.0 | UE Radio transmission and reception (FDD) | R4 |
| RP-000015 | 25.101 | 031 | | 3.1.0 | R99 | Correction for reference measurement channel in TS 25.101 | approved | F | 3.2.0 | UE Radio transmission and reception (FDD) | R4 |
| RP-000015 | 25.101 | 032 | | 3.1.0 | R99 | Modifications to requirements for power control steps in uplink | approved | F | 3.2.0 | UE Radio transmission and reception (FDD) | R4 |
| RP-000015 | 25.101 | 033 | | 3.1.0 | R99 | Performance requirement | approved | F | 3.2.0 | UE Radio transmission and reception (FDD) | R4 |
| RP-000015 | 25.101 | 034 | | 3.1.0 | R99 | Power Control in downlink, constant BLER target | approved | F | 3.2.0 | UE Radio transmission and reception (FDD) | R4 |
| RP-000015 | 25.101 | 035 | | 3.1.0 | R99 | UE Minimum TX power change | approved | F | 3.2.0 | UE Radio transmission and reception (FDD) | R4 |
| RP-000015 | 25.101 | 036 | | 3.1.0 | R99 | Performance requirements for demodulation of DCH in Site Selection Diversity Transmission mode | approved | F | 3.2.0 | UE Radio transmission and reception (FDD) | R4 |
| RP-000015 | 25.101 | 037 | | 3.1.0 | R99 | Reference compressed mode patterns | approved | F | 3.2.0 | UE Radio transmission and reception (FDD) | R4 |
| RP-000015 | 25.101 | 038 | | 3.1.0 | R99 | 384kbps measurement channel is replaced with 10ms TTI | approved | F | 3.2.0 | UE Radio transmission and reception (FDD) | R4 |
| RP-000015 | 25.101 | 039 | | 3.1.0 | R99 | Modification to the handling of measurement equipment uncertainty | approved | F | 3.2.0 | UE Radio transmission and reception (FDD) | R4 |
| RP-000016 | 25.102 | 015 | | 3.1.0 | R99 | Description of Signal Levels for Receiver Characteristics | approved | D | 3.2.0 | UE Radio transmission and reception (TDD) | R4 |
| RP-000016 | 25.102 | 016 | | 3.1.0 | R99 | Editorial corrections | approved | D | 3.2.0 | UE Radio transmission and reception (TDD) | R4 |
| RP-000016 | 25.102 | 017 | | 3.1.0 | R99 | Spurious emission correction | approved | F | 3.2.0 | UE Radio transmission and reception (TDD) | R4 |
| RP-000016 | 25.102 | 018 | | 3.1.0 | R99 | Performance requirement for base station transmit diversity mode | approved | C | 3.2.0 | UE Radio transmission and reception (TDD) | R4 |
| RP-000016 | 25.102 | 019 | | 3.1.0 | R99 | Corrections for UE TDD Blocking Requirements | approved | F | 3.2.0 | UE Radio transmission and reception (TDD) | R4 |
| RP-000016 | 25.102 | 020 | | 3.1.0 | R99 | Correction to the UL power control "differential accuracy, measured input" requirement | approved | F | 3.2.0 | UE Radio transmission and reception (TDD) | R4 |
| RP-000016 | 25.102 | 021 | | 3.1.0 | R99 | Clarification of ACLR | approved | F | 3.2.0 | UE Radio transmission and reception (TDD) | R4 |
| RP-000016 | 25.102 | 022 | | 3.1.0 | R99 | Clock Accuracy | approved | C | 3.2.0 | UE Radio transmission and reception (TDD) | R4 |
| RP-000016 | 25.102 | 023 | | 3.1.0 | R99 | Peak Code Domain Error | approved | C | 3.2.0 | UE Radio transmission and reception (TDD) | R4 |
| RP-000016 | 25.102 | 024 | | 3.1.0 | R99 | Modulation Accuracy | approved | C | 3.2.0 | UE Radio transmission and reception (TDD) | R4 |
| RP-000016 | 25.102 | 025 | | 3.1.0 | R99 | Out-of-synchronisation handling of the UE in TS 25.102 | approved | C | 3.2.0 | UE Radio transmission and reception (TDD) | R4 |
| RP-000017 | 25.104 | 022 | | 3.1.0 | R99 | Clarification of Receiver Dynamic Range requirement | approved | F | 3.2.0 | UTRA (BS) FDD; Radio transmission and reception | R4 |
| RP-000017 | 25.104 | 023 | | 3.1.0 | R99 | Change of propagation conditions for Case 2 | approved | F | 3.2.0 | UTRA (BS) FDD; Radio transmission and reception | R4 |
| RP-000017 | 25.104 | 024 | | 3.1.0 | R99 | Removal of chapter 6.6.2.3 in 25.104 | approved | F | 3.2.0 | UTRA (BS) FDD; Radio transmission and reception | R4 |
| RP-000017 | 25.104 | 025 | | 3.1.0 | R99 | Editorial changes to 25.104 | approved | D | 3.2.0 | UTRA (BS) FDD; Radio transmission and reception | R4 |
| RP-000017 | 25.104 | 026 | | 3.1.0 | R99 | Corrections of spurious emissions aligning to GSM for UTRA: FDD BS | approved | F | 3.2.0 | UTRA (BS) FDD; Radio transmission and reception | R4 |
| RP-000017 | 25.104 | 027 | 1 | 3.1.0 | R99 | Regional requirements in TS 25.104 | approved | D | 3.2.0 | UTRA (BS) FDD; Radio transmission and reception | R4 |
| RP-000017 | 25.104 | 028 | | 3.1.0 | R99 | Specifications applicable in case of use of RF devices external to the BS | approved | F | 3.2.0 | UTRA (BS) FDD; Radio transmission and reception | R4 |
| RP-000017 | 25.104 | 029 | | 3.1.0 | R99 | Clarification for maximum output power and rated output power | approved | F | 3.2.0 | UTRA (BS) FDD; Radio transmission and reception | R4 |

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| RP-000017 | 25.104 | 030 | | 3.1.0 | R99 | UL Performance requirement in multipath case 3 | approved | F | 3.2.0 | UTRA (BS) FDD; Radio transmission and reception | R4 |
| RP-000017 | 25.104 | 031 | | 3.1.0 | R99 | ACLR | approved | D | 3.2.0 | UTRA (BS) FDD; Radio transmission and reception | R4 |
| RP-000017 | 25.104 | 032 | | 3.1.0 | R99 | Spectrum emission mask | approved | F | 3.2.0 | UTRA (BS) FDD; Radio transmission and reception | R4 |
| RP-000017 | 25.104 | 033 | | 3.1.0 | R99 | Rx spurious emissions measurement bandwidth | approved | F | 3.2.0 | UTRA (BS) FDD; Radio transmission and reception | R4 |
| RP-000017 | 25.104 | 034 | | 3.1.0 | R99 | Clarification for Peak code domain error | approved | D | 3.2.0 | UTRA (BS) FDD; Radio transmission and reception | R4 |
| RP-000017 | 25.104 | 035 | | 3.1.0 | R99 | Corrections for BS FDD Modulation Accuracy | approved | F | 3.2.0 | UTRA (BS) FDD; Radio transmission and reception | R4 |
| RP-000017 | 25.104 | 036 | | 3.1.0 | R99 | Modification to the handling of measurement equipment uncertainty | approved | F | 3.2.0 | UTRA (BS) FDD; Radio transmission and reception | R4 |
| RP-000017 | 25.104 | 037 | | 3.1.0 | R99 | Update to downlink test models | approved | D | 3.2.0 | UTRA (BS) FDD; Radio transmission and reception | R4 |
| RP-000017 | 25.104 | 038 | | 3.1.0 | R99 | Birth-Death tap delays | approved | F | 3.2.0 | UTRA (BS) FDD; Radio transmission and reception | R4 |
| RP-000144 | 25.104 | 039 | | 3.1.0 | R99 | Data clock accuracy | approved | F | 3.2.0 | UTRA (BS) FDD; Radio transmission and reception | R4 |
| RP-000018 | 25.105 | 019 | 1 | 3.1.0 | R99 | BS TDD Spurious Emission Requirements for Co-Existence UTRA-FDD/ UTRA-TDD | approved | F | 3.2.0 | UTRA (BS) TDD; Radio transmission and reception | R4 |
| RP-000018 | 25.105 | 020 | | 3.1.0 | R99 | Revised Spurious Emission Requirements | approved | F | 3.2.0 | UTRA (BS) TDD; Radio transmission and reception | R4 |
| RP-000018 | 25.105 | 021 | | 3.1.0 | R99 | Corrections of spurious emissions aligning to GSM for UTRA: TDD BS | approved | F | 3.2.0 | UTRA (BS) TDD; Radio transmission and reception | R4 |
| RP-000018 | 25.105 | 022 | | 3.1.0 | R99 | Editorial corrections | approved | D | 3.2.0 | UTRA (BS) TDD; Radio transmission and reception | R4 |
| RP-000018 | 25.105 | 023 | | 3.1.0 | R99 | Spurious emission correction | approved | F | 3.2.0 | UTRA (BS) TDD; Radio transmission and reception | R4 |
| RP-000018 | 25.105 | 024 | | 3.1.0 | R99 | Protection outside a licensee's frequency block | approved | F | 3.2.0 | UTRA (BS) TDD; Radio transmission and reception | R4 |
| RP-000018 | 25.105 | 025 | | 3.1.0 | R99 | Definition of Rated Output Power and Pmax | approved | F | 3.2.0 | UTRA (BS) TDD; Radio transmission and reception | R4 |
| RP-000018 | 25.105 | 026 | | 3.1.0 | R99 | Primary CCPCH Power | approved | F | 3.2.0 | UTRA (BS) TDD; Radio transmission and reception | R4 |
| RP-000018 | 25.105 | 027 | | 3.1.0 | R99 | BS Transmit OFF power | approved | F | 3.2.0 | UTRA (BS) TDD; Radio transmission and reception | R4 |
| RP-000018 | 25.105 | 028 | | 3.1.0 | R99 | Corrected reference sensitivity value for the TDD BS | approved | F | 3.2.0 | UTRA (BS) TDD; Radio transmission and reception | R4 |
| RP-000018 | 25.105 | 029 | | 3.1.0 | R99 | ACLR | approved | F | 3.2.0 | UTRA (BS) TDD; Radio transmission and reception | R4 |
| RP-000018 | 25.105 | 030 | | 3.1.0 | R99 | Spectrum emission mask | approved | F | 3.2.0 | UTRA (BS) TDD; Radio transmission and reception | R4 |
| RP-000018 | 25.105 | 031 | | 3.1.0 | R99 | Clock Accuracy | approved | C | 3.2.0 | UTRA (BS) TDD; Radio transmission and reception | R4 |

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| RP-000019 | 25.113 | 001 | | 3.0.0 | R99 | Corrections to TS 25.113 | approved | F | 3.1.0 | Base station EMC | R4 |
| RP-000019 | 25.113 | 002 | | 3.0.0 | R99 | Definitions for TS 25.113 | approved | F | 3.1.0 | Base station EMC | R4 |
| RP-000019 | 25.113 | 003 | | 3.0.0 | R99 | Corrections and additions to TS 25.113 | approved | F | 3.1.0 | Base station EMC | R4 |
| RP-000020 | 25.123 | 001 | | 3.0.0 | R99 | Update of test requirements for TDD/TDD Handover | approved | F | 3.1.0 | Requirements for support of radio resource management (TDD) | R4 |
| RP-000020 | 25.123 | 002 | | 3.0.0 | R99 | Update of the requirements for TDD/FDD Handover | approved | C | 3.1.0 | Requirements for support of radio resource management (TDD) | R4 |
| RP-000020 | 25.123 | 003 | | 3.0.0 | R99 | Update of Cell Selection and Re-selection sections | approved | C | 3.1.0 | Requirements for support of radio resource management (TDD) | R4 |
| RP-000020 | 25.123 | 004 | | 3.0.0 | R99 | Update of Power management and Radio Link Surveillance sections | approved | F | 3.1.0 | Requirements for support of radio resource management (TDD) | R4 |
| RP-000020 | 25.123 | 005 | | 3.0.0 | R99 | Update of measurements performance requirements | approved | F | 3.1.0 | Requirements for support of radio resource management (TDD) | R4 |
| RP-000020 | 25.123 | 006 | | 3.0.0 | R99 | Inclusion of transport channel BER | approved | F | 3.1.0 | Requirements for support of radio resource management (TDD) | R4 |
| RP-000020 | 25.123 | 007 | | 3.0.0 | R99 | Receiver Timing Advance | approved | F | 3.1.0 | Requirements for support of radio resource management (TDD) | R4 |
| RP-000021 | 25.133 | 001 | | 3.0.0 | R99 | Modification of RL Failure Requirement | approved | F | 3.1.0 | Requirements for support of radio resource management (FDD) | R4 |
| RP-000021 | 25.133 | 002 | | 3.0.0 | R99 | Idle Mode Tasks | approved | C | 3.1.0 | Requirements for support of radio resource management (FDD) | R4 |
| RP-000021 | 25.133 | 003 | | 3.0.0 | R99 | Revised UE handover requirements | approved | F | 3.1.0 | Requirements for support of radio resource management (FDD) | R4 |
| RP-000021 | 25.133 | 004 | | 3.0.0 | R99 | Editorial corrections | approved | D | 3.1.0 | Requirements for support of radio resource management (FDD) | R4 |
| RP-000021 | 25.133 | 005 | | 3.0.0 | R99 | UE measurement requirement update | revised | F | | Requirements for support of radio resource management (FDD) | R4 |
| RP-000149 | 25.133 | 005 | 1 | 3.0.0 | R99 | UE measurement requirement update | approved | F | 3.1.0 | Requirements for support of radio resource management (FDD) | R4 |
| RP-000021 | 25.133 | 006 | | 3.0.0 | R99 | TDD Measurements Performance Requirements for TS25.133 (FDD) | approved | B | 3.1.0 | Requirements for support of radio resource management (FDD) | R4 |
| RP-000021 | 25.133 | 007 | | 3.0.0 | R99 | UTRAN measurement requirement update | approved | F | 3.1.0 | Requirements for support of radio resource management (FDD) | R4 |
| RP-000021 | 25.133 | 008 | | 3.0.0 | R99 | Requirements on parallel measurements | approved | F | 3.1.0 | Requirements for support of radio resource management (FDD) | R4 |
| RP-000021 | 25.133 | 009 | | 3.0.0 | R99 | Inclusion on transport channel BER. | approved | F | 3.1.0 | Requirements for support of radio resource management (FDD) | R4 |
| RP-000022 | 25.141 | 001 | | 3.0.0 | R99 | Clarification of Receiver Dynamic Range requirement | approved | F | 3.1.0 | Base station conformance testing (FDD) | R4 |
| RP-000022 | 25.141 | 002 | | 3.0.0 | R99 | Editorial changes | approved | D | 3.1.0 | Base station conformance testing (FDD) | R4 |
| RP-000022 | 25.141 | 003 | | 3.0.0 | R99 | Occupied bandwidth measurement | approved | F | 3.1.0 | Base station conformance testing (FDD) | R4 |
| RP-000022 | 25.141 | 004 | | 3.0.0 | R99 | Clarification of "random" in relation to injected bit errors | approved | F | 3.1.0 | Base station conformance testing (FDD) | R4 |
| RP-000022 | 25.141 | 005 | | 3.0.0 | R99 | Test Models for transmitter | approved | B | 3.1.0 | Base station conformance testing (FDD) | R4 |
| RP-000022 | 25.141 | 006 | 1 | 3.0.0 | R99 | Regional requirements in TS 25.104 | approved | D | 3.1.0 | Base station conformance testing (FDD) | R4 |
| RP-000022 | 25.141 | 007 | | 3.0.0 | R99 | Blocking test | approved | F | 3.1.0 | Base station conformance testing (FDD) | R4 |
| RP-000022 | 25.141 | 008 | | 3.0.0 | R99 | ACLR measurement | approved | F | 3.1.0 | Base station conformance testing (FDD) | R4 |

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| RP-000022 | 25.141 | 009 | | 3.0.0 | R99 | Peak code domain error measurement | approved | F | 3.1.0 | Base station conformance testing (FDD) | R4 |
| RP-000022 | 25.141 | 010 | | 3.0.0 | R99 | Clarification on the test point and the set of specifications to be considered in case of use of RF devices external to the BS. | approved | F | 3.1.0 | Base station conformance testing (FDD) | R4 |
| RP-000022 | 25.141 | 011 | | 3.0.0 | R99 | CR for Performance requirement in TS 25.141 | approved | F | 3.1.0 | Base station conformance testing (FDD) | R4 |
| RP-000022 | 25.141 | 012 | | 3.0.0 | R99 | Spectrum emission mask | approved | F | 3.1.0 | Base station conformance testing (FDD) | R4 |
| RP-000022 | 25.141 | 013 | | 3.0.0 | R99 | BS configurations | approved | B | 3.1.0 | Base station conformance testing (FDD) | R4 |
| RP-000022 | 25.141 | 014 | | 3.0.0 | R99 | Test models | approved | F | 3.1.0 | Base station conformance testing (FDD) | R4 |
| RP-000022 | 25.141 | 015 | | 3.0.0 | R99 | Update to Downlink Test Models | approved | F | 3.1.0 | Base station conformance testing (FDD) | R4 |
| RP-000022 | 25.141 | 016 | | 3.0.0 | R99 | Remove revision marks in annex A | approved | D | 3.1.0 | Base station conformance testing (FDD) | R4 |
| RP-000022 | 25.141 | 017 | | 3.0.0 | R99 | Format and interpretation of tests | approved | D | 3.1.0 | Base station conformance testing (FDD) | R4 |
| RP-000022 | 25.141 | 018 | | 3.0.0 | R99 | Modifications for system set-up's TS25.141v3.0.0 | approved | F | 3.1.0 | Base station conformance testing (FDD) | R4 |
| RP-000022 | 25.141 | 019 | | 3.0.0 | R99 | Intermodulation test | approved | F | 3.1.0 | Base station conformance testing (FDD) | R4 |
| RP-000022 | 25.141 | 020 | | 3.0.0 | R99 | Modifications for test models | approved | C | 3.1.0 | Base station conformance testing (FDD) | R4 |
| RP-000022 | 25.141 | 021 | | 3.0.0 | R99 | Receiver diversity | approved | C | 3.1.0 | Base station conformance testing (FDD) | R4 |
| RP-000022 | 25.141 | 023 | | 3.0.0 | R99 | Spectrum emission mask | approved | F | 3.1.0 | Base station conformance testing (FDD) | R4 |
| RP-000022 | 25.141 | 024 | | 3.0.0 | R99 | Rx spurious emissions measurement bandwidth | approved | F | 3.1.0 | Base station conformance testing (FDD) | R4 |
| RP-000022 | 25.141 | 025 | | 3.0.0 | R99 | Modification to the handling of measurement equipment uncertainty | approved | F | 3.1.0 | Base station conformance testing (FDD) | R4 |
| RP-000022 | 25.141 | 026 | | 3.0.0 | R99 | Test models | approved | F | 3.1.0 | Base station conformance testing (FDD) | R4 |
| RP-000023 | 25.142 | 001 | | 3.0.0 | R99 | Conformance test descriptions for spectrum emission mask and ACLR | approved | C | 3.1.0 | Base station conformance testing (TDD) | R4 |
| RP-000023 | 25.142 | 002 | | 3.0.0 | R99 | Conformance test description for Adjacent Channel Selectivity (ACS) | approved | F | 3.1.0 | Base station conformance testing (TDD) | R4 |
| RP-000023 | 25.142 | 003 | | 3.0.0 | R99 | Conformance test description for blocking characteristics | approved | F | 3.1.0 | Base station conformance testing (TDD) | R4 |
| RP-000023 | 25.142 | 004 | 1 | 3.0.0 | R99 | Conformance test description for performance requirements | approved | F | 3.1.0 | Base station conformance testing (TDD) | R4 |
| RP-000023 | 25.142 | 005 | | 3.0.0 | R99 | Protection outside a licensee's frequency block | approved | F | 3.1.0 | Base station conformance testing (TDD) | R4 |
| RP-000023 | 25.142 | 006 | | 3.0.0 | R99 | ACLR | approved | F | 3.1.0 | Base station conformance testing (TDD) | R4 |
| RP-000023 | 25.142 | 007 | | 3.0.0 | R99 | Corrected reference sensitivity value | approved | F | 3.1.0 | Base station conformance testing (TDD) | R4 |
| RP-000023 | 25.142 | 008 | | 3.0.0 | R99 | Conformance test description for Tx spurious emissions | approved | F | 3.1.0 | Base station conformance testing (TDD) | R4 |
| RP-000023 | 25.142 | 009 | | 3.0.0 | R99 | Clause 5: General test conditions and declarations | approved | F | 3.1.0 | Base station conformance testing (TDD) | R4 |
| RP-000023 | 25.142 | 010 | | 3.0.0 | R99 | Conformance test description for Primary CCPCH power | approved | F | 3.1.0 | Base station conformance testing (TDD) | R4 |
| RP-000023 | 25.142 | 011 | | 3.0.0 | R99 | Conformance test description for transmit OFF power | approved | F | 3.1.0 | Base station conformance testing (TDD) | R4 |
| RP-000023 | 25.142 | 012 | | 3.0.0 | R99 | Conformance test description for Rx spurious emissions | approved | F | 3.1.0 | Base station conformance testing (TDD) | R4 |
| RP-000059 | 25.201 | 001 | | 3.0.1 | R99 | Editorial revision | approved | D | 3.0.2 | Physical layer -General Description | R1 |
| RP-000060 | 25.211 | 013 | 6 | 3.1.1 | R99 | Addition of a downlink channel indicating CPCH status | approved | B | 3.2.0 | Physical channels and mapping of transport channels onto physical channels (FDD) | R1 |
| RP-000060 | 25.211 | 023 | 6 | 3.1.1 | R99 | CPCH-related editorial changes, technical changes and additions to 25.211 and some clarifications to 7.4 PCPCH/AICH timing relation. | approved | F | 3.2.0 | Physical channels and mapping of transport channels onto physical channels (FDD) | R1 |
| RP-000060 | 25.211 | 024 | 1 | 3.1.1 | R99 | Additional description of TX diversity for PDSCH | approved | B | 3.2.0 | Physical channels and mapping of transport channels onto physical channels (FDD) | R1 |
| RP-000060 | 25.211 | 025 | 1 | 3.1.1 | R99 | Consistent numbering of scrambling code groups | approved | F | 3.2.0 | Physical channels and mapping of transport channels onto physical channels (FDD) | R1 |

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| RP-000060 | 25.211 | 026 | | 3.1.1 | R99 | Minor corrections to timing section | approved | F | 3.2.0 | Physical channels and mapping of transport channels onto physical channels (FDD) | R1 |
| RP-000060 | 25.211 | 028 | 1 | 3.1.1 | R99 | Timing of PDSCH | approved | C | 3.2.0 | Physical channels and mapping of transport channels onto physical channels (FDD) | R1 |
| RP-000060 | 25.211 | 029 | 1 | 3.1.1 | R99 | Modifications to STTD text | approved | D | 3.2.0 | Physical channels and mapping of transport channels onto physical channels (FDD) | R1 |
| RP-000060 | 25.211 | 031 | 4 | 3.1.1 | R99 | CD/CA-ICH for dual mode CPCH | approved | B | 3.2.0 | Physical channels and mapping of transport channels onto physical channels (FDD) | R1 |
| RP-000060 | 25.211 | 033 | | 3.1.1 | R99 | Clarification of frame synchronization word and its usage | approved | D | 3.2.0 | Physical channels and mapping of transport channels onto physical channels (FDD) | R1 |
| RP-000060 | 25.211 | 034 | 1 | 3.1.1 | R99 | Editorial updates to 25.211 | approved | D | 3.2.0 | Physical channels and mapping of transport channels onto physical channels (FDD) | R1 |
| RP-000060 | 25.211 | 036 | | 3.1.1 | R99 | PDSCH multi-code transmission | approved | C | 3.2.0 | Physical channels and mapping of transport channels onto physical channels (FDD) | R1 |
| RP-000060 | 25.211 | 037 | | 3.1.1 | R99 | Clarification of pilot bit patterns for CPCH and slot formats for CPCH PC-P and message part | approved | D | 3.2.0 | Physical channels and mapping of transport channels onto physical channels (FDD) | R1 |
| RP-000060 | 25.211 | 039 | | 3.1.1 | R99 | Further restrictions on the application of the Tx diversity modes in DL | approved | C | 3.2.0 | Physical channels and mapping of transport channels onto physical channels (FDD) | R1 |
| RP-000060 | 25.211 | 040 | | 3.1.1 | R99 | Clarification of downlink pilot bit patterns | approved | F | 3.2.0 | Physical channels and mapping of transport channels onto physical channels (FDD) | R1 |
| RP-000060 | 25.211 | 041 | | 3.1.1 | R99 | Clarification of DCH initialisation | approved | C | 3.2.0 | Physical channels and mapping of transport channels onto physical channels (FDD) | R1 |
| RP-000060 | 25.211 | 044 | 2 | 3.1.1 | R99 | Emergency Stop of CPCH transmission and Start of Message Indicator | approved | B | 3.2.0 | Physical channels and mapping of transport channels onto physical channels (FDD) | R1 |
| RP-000060 | 25.211 | 046 | | 3.1.1 | R99 | Clean up of USTS related specifications | approved | F | 3.2.0 | Physical channels and mapping of transport channels onto physical channels (FDD) | R1 |
| RP-000061 | 25.212 | 025 | 2 | 3.1.1 | R99 | CR for parity bit attachment to 0 bit transport block | approved | B | 3.2.0 | Multiplexing and channel coding (FDD) | R1 |
| RP-000061 | 25.212 | 029 | 1 | 3.1.1 | R99 | Limitations of blind transport format detection | approved | F | 3.2.0 | Multiplexing and channel coding (FDD) | R1 |
| RP-000061 | 25.212 | 034 | 1 | 3.1.1 | R99 | Clarification of fixed position rate matching | approved | F | 3.2.0 | Multiplexing and channel coding (FDD) | R1 |
| RP-000061 | 25.212 | 035 | 1 | 3.1.1 | R99 | Clarification of DL compressed mode | approved | D | 3.2.0 | Multiplexing and channel coding (FDD) | R1 |
| RP-000061 | 25.212 | 036 | | 3.1.1 | R99 | Reconfiguration of TFCS | approved | F | 3.2.0 | Multiplexing and channel coding (FDD) | R1 |
| RP-000061 | 25.212 | 037 | 1 | 3.1.1 | R99 | Removal of fixed gap position in 25.212 | approved | C | 3.2.0 | Multiplexing and channel coding (FDD) | R1 |
| RP-000061 | 25.212 | 038 | 2 | 3.1.1 | R99 | Definition clarification for TS 25.212 | approved | D | 3.2.0 | Multiplexing and channel coding (FDD) | R1 |
| RP-000061 | 25.212 | 039 | 1 | 3.1.1 | R99 | Clarification on TFCI coding input | approved | F | 3.2.0 | Multiplexing and channel coding (FDD) | R1 |
| RP-000061 | 25.212 | 041 | 2 | 3.1.1 | R99 | Correction of UL compressed mode by higher layer scheduling | approved | F | 3.2.0 | Multiplexing and channel coding (FDD) | R1 |
| RP-000061 | 25.212 | 042 | 5 | 3.1.1 | R99 | Downlink Compressed Mode by puncturing | approved | C | 3.2.0 | Multiplexing and channel coding (FDD) | R1 |
| RP-000061 | 25.212 | 044 | | 3.1.1 | R99 | Modification of Turbo code internal interleaver | approved | B | 3.2.0 | Multiplexing and channel coding (FDD) | R1 |
| RP-000061 | 25.212 | 045 | | 3.1.1 | R99 | Editorial corrections | approved | F | 3.2.0 | Multiplexing and channel coding (FDD) | R1 |
| RP-000061 | 25.212 | 046 | | 3.1.1 | R99 | SF/2 method: DTX insertion after 2nd interleaver | approved | F | 3.2.0 | Multiplexing and channel coding (FDD) | R1 |
| RP-000061 | 25.212 | 047 | 1 | 3.1.1 | R99 | TFCI coding for FDD | approved | F | 3.2.0 | Multiplexing and channel coding (FDD) | R1 |
| RP-000061 | 25.212 | 048 | | 3.1.1 | R99 | Mapping of TFCI in downlink compressed mode | approved | F | 3.2.0 | Multiplexing and channel coding (FDD) | R1 |
| RP-000061 | 25.212 | 049 | | 3.1.1 | R99 | Editorial changes to Annex A | approved | D | 3.2.0 | Multiplexing and channel coding (FDD) | R1 |
| RP-000061 | 25.212 | 050 | | 3.1.1 | R99 | Removal of rate matching attribute setting for RACH | approved | F | 3.2.0 | Multiplexing and channel coding (FDD) | R1 |
| RP-000061 | 25.212 | 052 | | 3.1.1 | R99 | Padding Function for Turbo coding of small blocks | approved | B | 3.2.0 | Multiplexing and channel coding (FDD) | R1 |

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| RP-000061 | 25.212 | 055 | 2 | 3.1.1 | R99 | Clarifications relating to DSCH | approved | F | 3.2.0 | Multiplexing and channel coding (FDD) | R1 |
| RP-000061 | 25.212 | 056 | | 3.1.1 | R99 | Editorial modification of uplink shifting parameter calculation for turbo code puncturing | approved | D | 3.2.0 | Multiplexing and channel coding (FDD) | R1 |
| RP-000062 | 25.212 | 059 | 1 | 3.1.1 | R99 | Revision: Editorial correction to the calculation of Rate Matching parameters | approved | D | 3.2.0 | Multiplexing and channel coding (FDD) | R1 |
| RP-000062 | 25.212 | 060 | 1 | 3.1.1 | R99 | Editorial changes of channel coding section | approved | D | 3.2.0 | Multiplexing and channel coding (FDD) | R1 |
| RP-000062 | 25.212 | 061 | | 3.1.1 | R99 | Removal of DL compressed mode by higher layer scheduling with fixed positions | approved | C | 3.2.0 | Multiplexing and channel coding (FDD) | R1 |
| RP-000063 | 25.213 | 020 | 1 | 3.1.1 | R99 | Consistent numbering of scrambling code groups | approved | F | 3.2.0 | Spreading and modulation (FDD) | R1 |
| RP-000063 | 25.213 | 021 | | 3.1.1 | R99 | Downlink signal flow corrections | approved | F | 3.2.0 | Spreading and modulation (FDD) | R1 |
| RP-000063 | 25.213 | 022 | | 3.1.1 | R99 | Uplink signal flow corrections | approved | F | 3.2.0 | Spreading and modulation (FDD) | R1 |
| RP-000063 | 25.213 | 023 | 1 | 3.1.1 | R99 | Number of RACH scrambling codes | approved | C | 3.2.0 | Spreading and modulation (FDD) | R1 |
| RP-000063 | 25.213 | 024 | 1 | 3.1.1 | R99 | Editorial changes to 25.213 | approved | F | 3.2.0 | Spreading and modulation (FDD) | R1 |
| RP-000063 | 25.213 | 025 | 3 | 3.1.1 | R99 | Number of PCPCH scrambling codes per cell | approved | C | 3.2.0 | Spreading and modulation (FDD) | R1 |
| RP-000063 | 25.213 | 027 | | 3.1.1 | R99 | A typo correction for 5.2.2 and clarification for 5.2.3.1 of TS 25.213V3.1.1 | approved | F | 3.2.0 | Spreading and modulation (FDD) | R1 |
| RP-000063 | 25.213 | 028 | 2 | 3.1.1 | R99 | Channelization code allocation method for PCPCH message part | approved | C | 3.2.0 | Spreading and modulation (FDD) | R1 |
| RP-000063 | 25.213 | 029 | | 3.1.1 | R99 | Clarifications to DSCH scrambling and modulation in 25.213 | approved | C | 3.2.0 | Spreading and modulation (FDD) | R1 |
| RP-000063 | 25.213 | 032 | | 3.1.1 | R99 | Clean up of USTS related specifications | approved | F | 3.2.0 | Spreading and modulation (FDD) | R1 |
| RP-000064 | 25.214 | 043 | 1 | 3.1.1 | R99 | Optimum ID Codes for SSTD Power Control | approved | F | 3.2.0 | FDD; physical layer procedures | R1 |
| RP-000064 | 25.214 | 044 | | 3.1.1 | R99 | Editorial clarification to section 5.1.2.2.2 | approved | D | 3.2.0 | FDD; physical layer procedures | R1 |
| RP-000064 | 25.214 | 047 | 1 | 3.1.1 | R99 | Additional description of TX diversity for PDSCH | approved | B | 3.2.0 | FDD; physical layer procedures | R1 |
| RP-000064 | 25.214 | 048 | | 3.1.1 | R99 | Power offset on S-CCPCH | approved | F | 3.2.0 | FDD; physical layer procedures | R1 |
| RP-000064 | 25.214 | 050 | 2 | 3.1.1 | R99 | Corrections to uplink power control | approved | F | 3.2.0 | FDD; physical layer procedures | R1 |
| RP-000064 | 25.214 | 055 | | 3.1.1 | R99 | Correction of Adjustment loop description | approved | F | 3.2.0 | FDD; physical layer procedures | R1 |
| RP-000064 | 25.214 | 056 | 1 | 3.1.1 | R99 | Clarification of TPC command combining for Algorithm 1 | approved | C | 3.2.0 | FDD; physical layer procedures | R1 |
| RP-000064 | 25.214 | 057 | | 3.1.1 | R99 | Clarification of TPC command combining for Algorithm 2 | approved | C | 3.2.0 | FDD; physical layer procedures | R1 |
| RP-000064 | 25.214 | 059 | 2 | 3.1.1 | R99 | CPCH: CD subslot-related additions to 6.2 | approved | F | 3.2.0 | FDD; physical layer procedures | R1 |
| RP-000064 | 25.214 | 061 | 1 | 3.1.1 | R99 | CPCH: editorial changes and clarifications of 6.2 | approved | F | 3.2.0 | FDD; physical layer procedures | R1 |
| RP-000064 | 25.214 | 062 | | 3.1.1 | R99 | Editorial corrections | approved | F | 3.2.0 | FDD; physical layer procedures | R1 |
| RP-000064 | 25.214 | 064 | 1 | 3.1.1 | R99 | Editorial improvement of the IPDL section | approved | D | 3.2.0 | FDD; physical layer procedures | R1 |
| RP-000064 | 25.214 | 065 | 1 | 3.1.1 | R99 | PRACH power offset definition | approved | F | 3.2.0 | FDD; physical layer procedures | R1 |
| RP-000064 | 25.214 | 066 | 1 | 3.1.1 | R99 | Radio link synchronisation in UTRA/FDD | approved | C | 3.2.0 | FDD; physical layer procedures | R1 |
| RP-000064 | 25.214 | 068 | | 3.1.1 | R99 | Definition for maximum and minimum DL power | approved | B | 3.2.0 | FDD; physical layer procedures | R1 |
| RP-000064 | 25.214 | 069 | 4 | 3.1.1 | R99 | Channel assignment and UE channel selection methods of CPCH | approved | B | 3.2.0 | FDD; physical layer procedures | R1 |
| RP-000064 | 25.214 | 071 | | 3.1.1 | R99 | Channelization code allocation method for PCPCH message part | approved | C | 3.2.0 | FDD; physical layer procedures | R1 |
| RP-000064 | 25.214 | 072 | 1 | 3.1.1 | R99 | Limited power raise used -parameter in DL PC | approved | B | 3.2.0 | FDD; physical layer procedures | R1 |
| RP-000064 | 25.214 | 080 | | 3.1.1 | R99 | Downlink power control | approved | D | 3.2.0 | FDD; physical layer procedures | R1 |
| RP-000064 | 25.214 | 081 | | 3.1.1 | R99 | Editorial improvement on SSTD power control section | approved | D | 3.2.0 | FDD; physical layer procedures | R1 |
| RP-000065 | 25.214 | 082 | 2 | 3.1.1 | R99 | Emergency Stop of CPCH transmission and Start of Message Indicator | approved | B | 3.2.0 | FDD; physical layer procedures | R1 |

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| RP-000065 | 25.214 | 083 | | 3.1.1 | R99 | Clean up of USTS related specifications | approved | F | 3.2.0 | FDD; physical layer procedures | R1 |
| RP-000066 | 25.215 | 024 | 1 | 3.1.1 | R99 | Definition of Transmitted carrier power | approved | F | 3.2.0 | Physical layer; Measurements (FDD) | R1 |
| RP-000066 | 25.215 | 025 | | 3.1.1 | R99 | Clarification of Observed time difference to GSM cell | approved | F | 3.2.0 | Physical layer; Measurements (FDD) | R1 |
| RP-000066 | 25.215 | 027 | | 3.1.1 | R99 | Naming of BER/BLER mapping | approved | F | 3.2.0 | Physical layer; Measurements (FDD) | R1 |
| RP-000066 | 25.215 | 028 | | 3.1.1 | R99 | Minor corrections in TS 25.215 | approved | F | 3.2.0 | Physical layer; Measurements (FDD) | R1 |
| RP-000066 | 25.215 | 029 | | 3.1.1 | R99 | Re-definition of timing measurements | approved | F | 3.2.0 | Physical layer; Measurements (FDD) | R1 |
| RP-000066 | 25.215 | 030 | 2 | 3.1.1 | R99 | Mapping of timing measurements | approved | F | 3.2.0 | Physical layer; Measurements (FDD) | R1 |
| RP-000066 | 25.215 | 031 | | 3.1.1 | R99 | Removal of note in Round trip time measurement | approved | F | 3.2.0 | Physical layer; Measurements (FDD) | R1 |
| RP-000066 | 25.215 | 033 | | 3.1.1 | R99 | Removal of fixed gap position in 25.215 | approved | C | 3.2.0 | Physical layer; Measurements (FDD) | R1 |
| RP-000066 | 25.215 | 036 | 4 | 3.1.1 | R99 | Corrections to 25.215 compressed mode parameter list | approved | F | 3.2.0 | Physical layer; Measurements (FDD) | R1 |
| RP-000066 | 25.215 | 037 | 3 | 3.1.1 | R99 | Definition and range of physical channel BER | approved | F | 3.2.0 | Physical layer; Measurements (FDD) | R1 |
| RP-000066 | 25.215 | 040 | | 3.1.1 | R99 | Clarification of CPICH measurements in Tx diversity | approved | F | 3.2.0 | Physical layer; Measurements (FDD) | R1 |
| RP-000066 | 25.215 | 042 | 1 | 3.1.1 | R99 | UTRAN RSSI measurement | approved | F | 3.2.0 | Physical layer; Measurements (FDD) | R1 |
| RP-000066 | 25.215 | 043 | 1 | 3.1.1 | R99 | UTRAN Propagation delay | approved | B | 3.2.0 | Physical layer; Measurements (FDD) | R1 |
| RP-000066 | 25.215 | 044 | 2 | 3.1.1 | R99 | Correction to sections: 5.1.15 UE GPS Timing of Cell Frames for LCS; 5.2.8 UTRAN GPS Timing of Cell Frames for LCS, including timing mapping | approved | F | 3.2.0 | Physical layer; Measurements (FDD) | R1 |
| RP-000066 | 25.215 | 047 | | 3.1.1 | R99 | Removal of RSCP measurement | approved | F | 3.2.0 | Physical layer; Measurements (FDD) | R1 |
| RP-000066 | 25.215 | 048 | | 3.1.1 | R99 | UE BER measurement removal and clarification for use of uplink compressed mode | approved | C | 3.2.0 | Physical layer; Measurements (FDD) | R1 |
| RP-000067 | 25.221 | 003 | 2 | 3.1.1 | R99 | Cycling of cell parameters | approved | C | 3.2.0 | Physical channels and mapping of transport channels onto physical channels (TDD) | R1 |
| RP-000067 | 25.221 | 011 | | 3.1.1 | R99 | Correction of Midamble Definition for TDD | approved | F | 3.2.0 | Physical channels and mapping of transport channels onto physical channels (TDD) | R1 |
| RP-000067 | 25.221 | 012 | | 3.1.1 | R99 | Introduction of the timeslot formats for RACH to the TDD specifications | approved | D | 3.2.0 | Physical channels and mapping of transport channels onto physical channels (TDD) | R1 |
| RP-000067 | 25.221 | 013 | | 3.1.1 | R99 | Paging Indicator Channel reference power | approved | D | 3.2.0 | Physical channels and mapping of transport channels onto physical channels (TDD) | R1 |
| RP-000067 | 25.221 | 014 | 1 | 3.1.1 | R99 | Removal of Synchronisation Case 3 in TDD | approved | F | 3.2.0 | Physical channels and mapping of transport channels onto physical channels (TDD) | R1 |
| RP-000067 | 25.221 | 015 | 1 | 3.1.1 | R99 | Signal Point Constellation | approved | F | 3.2.0 | Physical channels and mapping of transport channels onto physical channels (TDD) | R1 |
| RP-000067 | 25.221 | 016 | | 3.1.1 | R99 | Association between Midambles and Channelisation Codes | approved | F | 3.2.0 | Physical channels and mapping of transport channels onto physical channels (TDD) | R1 |
| RP-000067 | 25.221 | 017 | | 3.1.1 | R99 | Removal of ODMA from the TDD specifications | approved | D | 3.2.0 | Physical channels and mapping of transport channels onto physical channels (TDD) | R1 |
| RP-000068 | 25.222 | 017 | | 3.1.1 | R99 | Corrections to TS 25.222 | approved | F | 3.2.0 | Multiplexing and channel coding (TDD) | R1 |
| RP-000068 | 25.222 | 018 | | 3.1.1 | R99 | Refinements of Physical Channel Mapping | approved | F | 3.2.0 | Multiplexing and channel coding (TDD) | R1 |
| RP-000068 | 25.222 | 019 | 1 | 3.1.1 | R99 | TFCI coding specification in TDD | approved | F | 3.2.0 | Multiplexing and channel coding (TDD) | R1 |
| RP-000068 | 25.222 | 021 | | 3.1.1 | R99 | Modification of Turbo code internal interleaver | approved | B | 3.2.0 | Multiplexing and channel coding (TDD) | R1 |
| RP-000068 | 25.222 | 023 | | 3.1.1 | R99 | Update of TS 25.222 - clarification of BTFD for TDD | approved | F | 3.2.0 | Multiplexing and channel coding (TDD) | R1 |
| RP-000068 | 25.222 | 025 | | 3.1.1 | R99 | Change of TFCI basis for TDD | approved | F | 3.2.0 | Multiplexing and channel coding (TDD) | R1 |
| RP-000068 | 25.222 | 026 | | 3.1.1 | R99 | Padding Function for Turbo coding of small blocks | approved | B | 3.2.0 | Multiplexing and channel coding (TDD) | R1 |
| RP-000068 | 25.222 | 027 | | 3.1.1 | R99 | Editorial modification of shifting parameter calculation for turbo code puncturing | approved | D | 3.2.0 | Multiplexing and channel coding (TDD) | R1 |

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| RP-000068 | 25.222 | 029 | 1 | 3.1.1 | R99 | Editorial changes of channel coding section | approved | D | 3.2.0 | Multiplexing and channel coding (TDD) | R1 |
| RP-000069 | 25.223 | 002 | 3 | 3.1.1 | R99 | Cycling of cell parameters | approved | C | 3.2.0 | Spreading and modulation (TDD) | R1 |
| RP-000069 | 25.223 | 005 | | 3.1.1 | R99 | Removal of Synchronisation Case 3 in TDD | approved | F | 3.2.0 | Spreading and modulation (TDD) | R1 |
| RP-000069 | 25.223 | 006 | 1 | 3.1.1 | R99 | Signal Point Constellation | approved | F | 3.2.0 | Spreading and modulation (TDD) | R1 |
| RP-000070 | 25.224 | 003 | 2 | 3.1.1 | R99 | Cycling of cell parameters | approved | C | 3.2.0 | TDD; physical layer procedures | R1 |
| RP-000070 | 25.224 | 007 | 2 | 3.1.1 | R99 | Clarifications on the UL synchronisation and Timing advance | approved | D | 3.2.0 | TDD; physical layer procedures | R1 |
| RP-000070 | 25.224 | 008 | | 3.1.1 | R99 | Modification of SIR threshold on setting TPC | approved | D | 3.2.0 | TDD; physical layer procedures | R1 |
| RP-000070 | 25.224 | 009 | 1 | 3.1.1 | R99 | New section describing the random access procedure | approved | F | 3.2.0 | TDD; physical layer procedures | R1 |
| RP-000070 | 25.224 | 011 | | 3.1.1 | R99 | Removal of Synchronisation Case 3 in TDD | approved | F | 3.2.0 | TDD; physical layer procedures | R1 |
| RP-000070 | 25.224 | 012 | 1 | 3.1.1 | R99 | Clarifications on power control procedures | approved | D | 3.2.0 | TDD; physical layer procedures | R1 |
| RP-000070 | 25.224 | 013 | | 3.1.1 | R99 | Signal Point Constellation | approved | D | 3.2.0 | TDD; physical layer procedures | R1 |
| RP-000070 | 25.224 | 014 | 2 | 3.1.1 | R99 | Out-of-sync handling for UTRA TDD | approved | B | 3.2.0 | TDD; physical layer procedures | R1 |
| RP-000070 | 25.224 | 015 | | 3.1.1 | R99 | Removal of ODMA from the TDD specifications | approved | D | 3.2.0 | TDD; physical layer procedures | R1 |
| RP-000071 | 25.225 | 004 | 1 | 3.1.1 | R99 | Correction of CPICH measurements and 'RX Timing Deviation' range | approved | F | 3.2.0 | Physical layer; Measurements (TDD) | R1 |
| RP-000071 | 25.225 | 005 | 2 | 3.1.1 | R99 | Editorial modifications to 25.225 Measurements for TDD | approved | D | 3.2.0 | Physical layer; Measurements (TDD) | R1 |
| RP-000071 | 25.225 | 006 | 1 | 3.1.1 | R99 | Corrections to 25.225 Measurements for TDD | approved | F | 3.2.0 | Physical layer; Measurements (TDD) | R1 |
| RP-000034 | 25.301 | 032 | | 3.3.0 | R99 | Correction of the CFN length | approved | F | 3.4.0 | Radio Interface Protocol Architecture | R2 |
| RP-000034 | 25.301 | 034 | | 3.3.0 | R99 | Removal of SCH | approved | F | 3.4.0 | Radio Interface Protocol Architecture | R2 |
| RP-000035 | 25.302 | 032 | 2 | 3.3.0 | R99 | Revision of CPCH model | approved | C | 3.4.0 | Services provided by the physical layer | R2 |
| RP-000035 | 25.302 | 033 | 1 | 3.3.0 | R99 | Error Correction Coding for FACH | approved | B | 3.4.0 | Services provided by the physical layer | R2 |
| RP-000035 | 25.302 | 034 | 3 | 3.3.0 | R99 | Revision of compressed mode description | approved | C | 3.4.0 | Services provided by the physical layer | R2 |
| RP-000035 | 25.302 | 036 | | 3.3.0 | R99 | TrBLK size | approved | D | 3.4.0 | Services provided by the physical layer | R2 |
| RP-000035 | 25.302 | 037 | | 3.3.0 | R99 | PDSCH multi-code | approved | F | 3.4.0 | Services provided by the physical layer | R2 |
| RP-000035 | 25.302 | 038 | 1 | 3.3.0 | R99 | Primitives for CPCH Abnormal Situation Handling | approved | B | 3.4.0 | Services provided by the physical layer | R2 |
| RP-000035 | 25.302 | 039 | | 3.3.0 | R99 | Physical channel BER | approved | F | 3.4.0 | Services provided by the physical layer | R2 |
| RP-000035 | 25.302 | 041 | | 3.3.0 | R99 | Editorial modification on AMR trblk size | approved | F | 3.4.0 | Services provided by the physical layer | R2 |
| RP-000035 | 25.302 | 042 | 1 | 3.3.0 | R99 | Corrections and clarifications on L1 and L2 functionality descriptions | approved | F | 3.4.0 | Services provided by the physical layer | R2 |
| RP-000035 | 25.302 | 043 | 1 | 3.3.0 | R99 | Transport Block Transmission | approved | F | 3.4.0 | Services provided by the physical layer | R2 |
| RP-000035 | 25.302 | 044 | | 3.3.0 | R99 | Clarification to layer 1 model regarding transport blocks received by UE with CRC failure | approved | D | 3.4.0 | Services provided by the physical layer | R2 |
| RP-000035 | 25.302 | 045 | | 3.3.0 | R99 | Removal of SCH and SCCH | approved | F | 3.4.0 | Services provided by the physical layer | R2 |
| RP-000035 | 25.302 | 046 | | 3.3.0 | R99 | Replacement of Time of Arrival Measurement by RTT | approved | D | 3.4.0 | Services provided by the physical layer | R2 |
| RP-000035 | 25.302 | 047 | 1 | 3.3.0 | R99 | Incorporation of Measurement filtering model | approved | F | 3.4.0 | Services provided by the physical layer | R2 |
| RP-000035 | 25.302 | 048 | | 3.3.0 | R99 | Separation of physical channel BER measurements | approved | C | 3.4.0 | Services provided by the physical layer | R2 |
| RP-000036 | 25.303 | 022 | 4 | 3.2.0 | R99 | CPCH start of message indication | approved | B | 3.3.0 | UE functions and inter-layer procedures in connected mode | R2 |
| RP-000036 | 25.303 | 023 | | 3.2.0 | R99 | Correction to Transport Format Combination Control procedure | approved | F | 3.3.0 | UE functions and inter-layer procedures in connected mode | R2 |
| RP-000036 | 25.303 | 025 | 1 | 3.2.0 | R99 | CPCH Emergency Stop sequence | approved | B | 3.3.0 | UE functions and inter-layer procedures in connected mode | R2 |
| RP-000036 | 25.303 | 026 | 1 | 3.2.0 | R99 | Variable Rate Packet Transmission for uplink DCH | approved | D | 3.3.0 | UE functions and inter-layer procedures in connected mode | R2 |

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| RP-000036 | 25.303 | 027 | | 3.2.0 | R99 | Random access transmission sequence | approved | C | 3.3.0 | UE functions and inter-layer procedures in connected mode | R2 |
| RP-000037 | 25.304 | 007 | 2 | 3.1.0 | R99 | Cell Selection for DS-41 mode | approved | B | 3.2.0 | UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode | R2 |
| RP-000037 | 25.304 | 014 | | 3.1.0 | R99 | Modified description of cell search procedure | approved | D | 3.2.0 | UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode | R2 |
| RP-000037 | 25.304 | 018 | 1 | 3.1.0 | R99 | UE individual DRX cycles in CELL_PCH and URA_PCH states | approved | F | 3.2.0 | UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode | R2 |
| RP-000037 | 25.304 | 019 | 1 | 3.1.0 | R99 | Cell re-selection criteria including HCS | approved | B | 3.2.0 | UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode | R2 |
| RP-000037 | 25.304 | 021 | | 3.1.0 | R99 | Modified description of DRX | approved | F | 3.2.0 | UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode | R2 |
| RP-000038 | 25.305 | 001 | 3 | 3.0.0 | R99 | Network assisted GPS LCS | approved | C | 3.1.0 | Stage 2 Functional Specification of Location Services in UTRAN (LCS) | R2 |
| RP-000038 | 25.305 | 002 | 1 | 3.0.0 | R99 | Enhancements for cell coverage based positioning | approved | C | 3.1.0 | Stage 2 Functional Specification of Location Services in UTRAN (LCS) | R2 |
| RP-000038 | 25.305 | 003 | | 3.0.0 | R99 | Replacement for Figure 4.1 | approved | D | 3.1.0 | Stage 2 Functional Specification of Location Services in UTRAN (LCS) | R2 |
| RP-000038 | 25.305 | 004 | 1 | 3.0.0 | R99 | Restructuring | approved | D | 3.1.0 | Stage 2 Functional Specification of Location Services in UTRAN (LCS) | R2 |
| RP-000038 | 25.305 | 006 | | 3.0.0 | R99 | Target UE-RNC signalling model | approved | C | 3.1.0 | Stage 2 Functional Specification of Location Services in UTRAN (LCS) | R2 |
| RP-000038 | 25.305 | 007 | | 3.0.0 | R99 | LMU description | approved | D | 3.1.0 | Stage 2 Functional Specification of Location Services in UTRAN (LCS) | R2 |
| RP-000038 | 25.305 | 008 | 2 | 3.0.0 | R99 | LMU signalling description | approved | C | 3.1.0 | Stage 2 Functional Specification of Location Services in UTRAN (LCS) | R2 |
| RP-000038 | 25.305 | 009 | | 3.0.0 | R99 | Incorporation of R1 Liaisons R2-000022 and R2-000023 | approved | C | 3.1.0 | Stage 2 Functional Specification of Location Services in UTRAN (LCS) | R2 |
| RP-000038 | 25.305 | 010 | 3 | 3.0.0 | R99 | OTDOA - GPS Location Procedures | approved | C | 3.1.0 | Stage 2 Functional Specification of Location Services in UTRAN (LCS) | R2 |
| RP-000038 | 25.305 | 011 | 1 | 3.0.0 | R99 | Clarification of the different LMU types | approved | C | 3.1.0 | Stage 2 Functional Specification of Location Services in UTRAN (LCS) | R2 |
| RP-000039 | 25.321 | 032 | | 3.2.0 | R99 | Bit Aligned TDD MAC Headers | approved | C | 3.3.0 | Medium Access Control (MAC) Protocol Specification | R2 |
| RP-000039 | 25.321 | 035 | 2 | 3.2.0 | R99 | CPCH including Channel Assignment | approved | C | 3.3.0 | Medium Access Control (MAC) Protocol Specification | R2 |
| RP-000039 | 25.321 | 036 | | 3.2.0 | R99 | UE-ID type indication | approved | C | 3.3.0 | Medium Access Control (MAC) Protocol Specification | R2 |
| RP-000039 | 25.321 | 037 | 1 | 3.2.0 | R99 | RACH transmission control procedure | approved | C | 3.3.0 | Medium Access Control (MAC) Protocol Specification | R2 |
| RP-000039 | 25.321 | 039 | | 3.2.0 | R99 | CPCH start of message indication | approved | B | 3.3.0 | Medium Access Control (MAC) Protocol Specification | R2 |
| RP-000039 | 25.321 | 040 | | 3.2.0 | R99 | Removal of SCH and SCCH | approved | F | 3.3.0 | Medium Access Control (MAC) Protocol Specification | R2 |
| RP-000039 | 25.321 | 041 | 1 | 3.2.0 | R99 | Clarification of bit order | approved | F | 3.3.0 | Medium Access Control (MAC) Protocol Specification | R2 |

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| RP-000040 | 25.322 | 018 | 1 | 3.1.2 | R99 | RLC editorial changes | approved | D | 3.2.0 | Radio Link Control (RLC) Protocol Specification | R2 |
| RP-000040 | 25.322 | 021 | 1 | 3.1.2 | R99 | Corrections to RLC | approved | F | 3.2.0 | Radio Link Control (RLC) Protocol Specification | R2 |
| RP-000040 | 25.322 | 025 | 2 | 3.1.2 | R99 | Corrections to RLC | approved | F | 3.2.0 | Radio Link Control (RLC) Protocol Specification | R2 |
| RP-000040 | 25.322 | 026 | 1 | 3.1.2 | R99 | STATUS PDUs | approved | F | 3.2.0 | Radio Link Control (RLC) Protocol Specification | R2 |
| RP-000040 | 25.322 | 027 | 1 | 3.1.2 | R99 | Clarification of RLC AMD Model | approved | F | 3.2.0 | Radio Link Control (RLC) Protocol Specification | R2 |
| RP-000040 | 25.322 | 028 | | 3.1.2 | R99 | Corrections to Timer_discard procedures | approved | F | 3.2.0 | Radio Link Control (RLC) Protocol Specification | R2 |
| RP-000040 | 25.322 | 029 | 1 | 3.1.2 | R99 | Segmentation of RLC SDUs | approved | D | 3.2.0 | Radio Link Control (RLC) Protocol Specification | R2 |
| RP-000040 | 25.322 | 030 | 2 | 3.1.2 | R99 | Modification of SDU discard to support virtual PDCP sequence numbers | approved | C | 3.2.0 | Radio Link Control (RLC) Protocol Specification | R2 |
| RP-000040 | 25.322 | 031 | | 3.1.2 | R99 | Removal of SCCH | approved | F | 3.2.0 | Radio Link Control (RLC) Protocol Specification | R2 |
| RP-000040 | 25.322 | 032 | | 3.1.2 | R99 | Updated RLC SDL | approved | F | 3.2.0 | Radio Link Control (RLC) Protocol Specification | R2 |
| RP-000040 | 25.322 | 033 | 1 | 3.1.2 | R99 | RLC Editorial Changes | approved | F | 3.2.0 | Radio Link Control (RLC) Protocol Specification | R2 |
| RP-000040 | 25.322 | 034 | | 3.1.2 | R99 | Order of bit transmission for RLC PDUs | approved | F | 3.2.0 | Radio Link Control (RLC) Protocol Specification | R2 |
| RP-000041 | 25.323 | 004 | | 3.0.0 | R99 | Bit order of PDCP PDUs | approved | F | 3.1.0 | Packet Data Convergence Protocol (PDCP) protocol | R2 |
| RP-000041 | 25.323 | 005 | | 3.0.0 | R99 | Changes to PDCP | approved | F | 3.1.0 | Packet Data Convergence Protocol (PDCP) protocol | R2 |
| RP-000042 | 25.324 | 001 | | 3.0.0 | R99 | Miscellaneous corrections | approved | F | 3.1.0 | Radio Interface for Broadcast/Multicast Services | R2 |
| RP-000042 | 25.324 | 002 | 2 | 3.0.0 | R99 | Correction of messages and bit ordering | approved | F | 3.1.0 | Radio Interface for Broadcast/Multicast Services | R2 |
| RP-000043 | 25.331 | 122 | | 3.1.0 | R99 | TDD Mode BCH Reception in Cell DCH State | approved | C | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000043 | 25.331 | 123 | | 3.1.0 | R99 | Uplink Outer Loop Power Control in TDD Mode | approved | F | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000043 | 25.331 | 124 | 1 | 3.1.0 | R99 | TFS TB Size Calculation with Bit Aligned TDD MAC Headers | approved | C | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000043 | 25.331 | 125 | | 3.1.0 | R99 | Grouping of DRAC IEs, and detailed definitions of these IEs | approved | F | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000043 | 25.331 | 126 | | 3.1.0 | R99 | Correction of specifications for the 'Dynamic Resource Allocation Control of Uplink DCH' Procedure | approved | F | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000043 | 25.331 | 131 | 2 | 3.1.0 | R99 | Clarification of PDCP info and PDCP capability IEs | approved | F | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000043 | 25.331 | 132 | | 3.1.0 | R99 | Editorial change to "Specification of system information block characteristics" | approved | F | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |

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| RP-000043 | 25.331 | 133 | | 3.1.0 | R99 | Additions of CBS related Information Elements | approved | F | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000043 | 25.331 | 134 | | 3.1.0 | R99 | Signalling for computed gain factors | approved | F | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000043 | 25.331 | 137 | 1 | 3.1.0 | R99 | General error handling procedures | approved | C | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000043 | 25.331 | 138 | 1 | 3.1.0 | R99 | RRC message extensions | approved | C | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000043 | 25.331 | 139 | | 3.1.0 | R99 | Padding of RRC messages using RLC transparent mode | approved | C | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000043 | 25.331 | 140 | 2 | 3.1.0 | R99 | UE information elements | approved | C | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000043 | 25.331 | 141 | | 3.1.0 | R99 | Other information elements | approved | C | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000043 | 25.331 | 142 | 3 | 3.1.0 | R99 | Integrity protection function | approved | F | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000043 | 25.331 | 143 | 4 | 3.1.0 | R99 | RAB-RB relations | approved | F | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000043 | 25.331 | 144 | 1 | 3.1.0 | R99 | Inter-system handover from UTRAN | approved | C | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000043 | 25.331 | 145 | 3 | 3.1.0 | R99 | Handover to UTRAN including procedure for pre-configuration | approved | C | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000043 | 25.331 | 146 | 2 | 3.1.0 | R99 | RRC measurement filtering parameters | approved | C | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000043 | 25.331 | 147 | | 3.1.0 | R99 | New event "RL out of UE Rx window" | approved | C | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000044 | 25.331 | 148 | 1 | 3.1.0 | R99 | Access control on RACH | approved | C | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000044 | 25.331 | 149 | 2 | 3.1.0 | R99 | cdma2000 Hard Handover | approved | F | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000044 | 25.331 | 150 | 1 | 3.1.0 | R99 | CPCH parameters with corrections | approved | F | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000044 | 25.331 | 152 | | 3.1.0 | R99 | U-plane AM RLC reconfiguration by cell update procedure | approved | F | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000044 | 25.331 | 154 | 3 | 3.1.0 | R99 | CPCH | approved | B | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000044 | 25.331 | 155 | 1 | 3.1.0 | R99 | Information elements for ASC in TDD | approved | C | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000044 | 25.331 | 156 | | 3.1.0 | R99 | Addition of timing advance value in handover related messages | approved | F | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000044 | 25.331 | 157 | 2 | 3.1.0 | R99 | Physical channel description for TDD | approved | C | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000044 | 25.331 | 159 | | 3.1.0 | R99 | Message contents for the intersystem command message to UTRAN operating in TDD mode | approved | C | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000044 | 25.331 | 160 | | 3.1.0 | R99 | Corrections on use of PUSCH power control info and minor corrections | approved | F | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |

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| RP-000044 | 25.331 | 162 | 2 | 3.1.0 | R99 | UE individual DRX cycles in CELL_PCH and URA_PCH states | approved | F | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000044 | 25.331 | 163 | | 3.1.0 | R99 | Correction to Transport Format Combination Control procedure | approved | F | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000044 | 25.331 | 164 | 3 | 3.1.0 | R99 | Downlink outer loop power control | approved | C | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000044 | 25.331 | 165 | 2 | 3.1.0 | R99 | Redirection of RRC connection setup | approved | B | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000044 | 25.331 | 166 | 2 | 3.1.0 | R99 | Inter-frequency measurements in CELL_FACH state | approved | B | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000044 | 25.331 | 167 | | 3.1.0 | R99 | List of found editorial mistakes in the Dec99 version of 25.331 (V3.1.0) | approved | D | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000044 | 25.331 | 168 | 1 | 3.1.0 | R99 | Transport block size | approved | C | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000044 | 25.331 | 169 | 1 | 3.1.0 | R99 | Cell Access Restriction | approved | C | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000044 | 25.331 | 170 | | 3.1.0 | R99 | Editorial modification | approved | D | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000044 | 25.331 | 171 | | 3.1.0 | R99 | Modification of DPCH info | approved | D | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000045 | 25.331 | 172 | 1 | 3.1.0 | R99 | Measurement control message | approved | C | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000045 | 25.331 | 173 | 2 | 3.1.0 | R99 | Reporting cell status | approved | C | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000045 | 25.331 | 174 | | 3.1.0 | R99 | Additional IE for RB release | approved | C | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000045 | 25.331 | 175 | | 3.1.0 | R99 | Available SF in PRACH info | approved | C | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000045 | 25.331 | 176 | | 3.1.0 | R99 | Traffic volume measurement event | approved | C | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000045 | 25.331 | 177 | | 3.1.0 | R99 | Report of multiple cells on an event result | approved | C | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000045 | 25.331 | 178 | | 3.1.0 | R99 | Editorial modification on Direct Transfer | approved | C | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000045 | 25.331 | 179 | | 3.1.0 | R99 | Correction of the Security Mode Control procedure | approved | F | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000045 | 25.331 | 180 | 1 | 3.1.0 | R99 | Maximum calculated Transport Format Combination | approved | F | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000045 | 25.331 | 183 | | 3.1.0 | R99 | Additional DPCH IEs to align 25.331 with 25.214 | approved | F | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000045 | 25.331 | 184 | 1 | 3.1.0 | R99 | RB – DCH mapping | approved | F | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000045 | 25.331 | 188 | 1 | 3.1.0 | R99 | Modifications related to FDD mode DSCH | approved | C | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000045 | 25.331 | 189 | 1 | 3.1.0 | R99 | Identification of Shared Channel Physical Configuration in TDD Mode | approved | C | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |

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| RP-000045 | 25.331 | 192 | 1 | 3.1.0 | R99 | Uplink Outer Loop Power Control During Hard Handover | approved | C | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000045 | 25.331 | 193 | | 3.1.0 | R99 | Support of Multiple CCTrCH's in TDD Mode | approved | C | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000045 | 25.331 | 194 | 1 | 3.1.0 | R99 | Uplink Physical Channel Control in TDD Mode | approved | C | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000045 | 25.331 | 201 | 1 | 3.1.0 | R99 | Transfer of initial information from UE to target RNC prior to handover to UTRAN | approved | D | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000045 | 25.331 | 202 | 1 | 3.1.0 | R99 | CN information elements | approved | F | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000045 | 25.331 | 203 | | 3.1.0 | R99 | UTRAN mobility information elements | approved | F | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000045 | 25.331 | 204 | 1 | 3.1.0 | R99 | RB information elements | approved | F | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000046 | 25.331 | 205 | 1 | 3.1.0 | R99 | Physical channel information elements | approved | F | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000046 | 25.331 | 206 | 1 | 3.1.0 | R99 | UE capability information elements | approved | F | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000046 | 25.331 | 207 | | 3.1.0 | R99 | UE variables | approved | D | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000046 | 25.331 | 208 | 1 | 3.1.0 | R99 | Actions when entering idle mode | approved | D | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000046 | 25.331 | 209 | | 3.1.0 | R99 | Usage of pilot bits | approved | F | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000046 | 25.331 | 210 | | 3.1.0 | R99 | System information procedure corrections | approved | F | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000046 | 25.331 | 212 | | 3.1.0 | R99 | Reconfiguration of ciphering | approved | F | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000046 | 25.331 | 213 | 1 | 3.1.0 | R99 | Enhancements to RRC connection re-establishment procedure | approved | B | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000046 | 25.331 | 215 | | 3.1.0 | R99 | Updates to RRC Initialization Information transparent container and addition of reverse direction container description | approved | D | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000046 | 25.331 | 220 | 1 | 3.1.0 | R99 | Changes in RRC messages to support lossless SRNC relocation | approved | C | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000046 | 25.331 | 229 | 1 | 3.1.0 | R99 | Measurements of unlisted neighbouring cells | approved | B | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000046 | 25.331 | 234 | 2 | 3.1.0 | R99 | Inclusion of Location Services | approved | C | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000046 | 25.331 | 236 | 1 | 3.1.0 | R99 | Application of Access Service Classes and relation to Access Classes | approved | C | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000046 | 25.331 | 252 | 1 | 3.1.0 | R99 | DRX indicator presence and state entering mechanism at the end of a procedure | approved | F | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000046 | 25.331 | 254 | 1 | 3.1.0 | R99 | Physical shared channel allocation procedure | approved | F | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |

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| RP-000046 | 25.331 | 255 | | 3.1.0 | R99 | Corrections to TDD specific parameters in PICH info | approved | F | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000046 | 25.331 | 256 | | 3.1.0 | R99 | Editorial modifications | approved | D | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000046 | 25.331 | 259 | 2 | 3.1.0 | R99 | Introduction of mapping function information in Cell selection and | approved | B | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000046 | 25.331 | 263 | | 3.1.0 | R99 | Ciphering and integrity HFN | approved | F | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000046 | 25.331 | 267 | | 3.1.0 | R99 | New SIB for LCS | approved | C | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000047 | 25.331 | 268 | | 3.1.0 | R99 | Removal of synchronisation Case 3 | approved | F | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000047 | 25.331 | 271 | | 3.1.0 | R99 | TX Diversity | approved | C | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000047 | 25.331 | 272 | | 3.1.0 | R99 | Update of tabular format Section 10 | approved | D | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000047 | 25.331 | 273 | | 3.1.0 | R99 | ASN.1 description | approved | F | 3.2.0 | Radio Resource Control (RRC) Protocol Specification | R2 |
| RP-000073 | 25.401 | 001 | 1 | 3.1.0 | R99 | Generalisation of the combining/splitting functionality in UTRAN | approved | F | 3.2.0 | UTRAN Overall Description | R3 |
| RP-000073 | 25.401 | 003 | 1 | 3.1.0 | R99 | Extension with CBS Topic | approved | B | 3.2.0 | UTRAN Overall Description | R3 |
| RP-000073 | 25.401 | 004 | 2 | 3.1.0 | R99 | Corrections to 25.401 | approved | F | 3.2.0 | UTRAN Overall Description | R3 |
| RP-000073 | 25.401 | 005 | | 3.1.0 | R99 | UTRAN Cell-Id not visible over lu | approved | F | 3.2.0 | UTRAN Overall Description | R3 |
| RP-000073 | 25.401 | 006 | 2 | 3.1.0 | R99 | Changes for CPCH | approved | B | 3.2.0 | UTRAN Overall Description | R3 |
| RP-000073 | 25.401 | 007 | | 3.1.0 | R99 | Transport layer in lub U-Plane. | approved | F | 3.2.0 | UTRAN Overall Description | R3 |
| RP-000074 | 25.402 | 001 | | 3.0.0 | R99 | Corrections to 25.402 | approved | F | 3.1.0 | Synchronisation in UTRAN Stage 2 | R3 |
| RP-000074 | 25.402 | 002 | | 3.0.0 | R99 | Time alignment | approved | C | 3.1.0 | Synchronisation in UTRAN Stage 2 | R3 |
| RP-000074 | 25.402 | 003 | 1 | 3.1.0 | R99 | Corrections in the TS 25.402 (the one that includes CR1 and CR2) | approved | F | 3.1.0 | Synchronisation in UTRAN Stage 2 | R3 |
| RP-000074 | 25.402 | 004 | 2 | 3.1.0 | R99 | Introduction of Node B synchronisation of the last 8 bits of SFN | approved | B | 3.2.0 | Synchronisation in UTRAN Stage 2 | R3 |
| RP-000074 | 25.402 | 005 | | 3.0.0 | R99 | Addition of Time Alignment Handling feature | approved | B | 3.1.0 | Synchronisation in UTRAN Stage 2 | R3 |
| RP-000075 | 25.410 | 001 | 3 | 3.1.0 | R99 | Extension with Service Area Broadcast Protocol | approved | B | 3.2.0 | UTRAN lu Interface: General Aspects and Principles | R3 |
| RP-000075 | 25.410 | 002 | | 3.1.0 | R99 | Changing local RAB ID to global | approved | C | 3.2.0 | UTRAN lu Interface: General Aspects and Principles | R3 |
| RP-000075 | 25.410 | 003 | 1 | 3.1.0 | R99 | High-level lu interface changes for SA Broadcast | approved | B | 3.2.0 | UTRAN lu Interface: General Aspects and Principles | R3 |
| RP-000075 | 25.410 | 004 | 1 | 3.1.0 | R99 | Protocol stack updates for lu-PS | approved | C | 3.2.0 | UTRAN lu Interface: General Aspects and Principles | R3 |
| RP-000076 | 25.411 | 001 | | 3.1.0 | R99 | Precise wording in section 7.2 with respect to Fractional ATM. | approved | D | 3.2.0 | UTRAN lu interface Layer 1 | R3 |
| RP-000077 | 25.412 | 001 | | 3.2.0 | R99 | Removal of ATM Protection Switching | approved | C | 3.1.0 | UTRAN lu interface signalling transport | R3 |
| RP-000077 | 25.412 | 002 | 1 | 3.2.0 | R99 | Protocol stack updates for lu-PS | approved | C | 3.1.0 | UTRAN lu interface signalling transport | R3 |

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| RP-000081 | 25.413 | 001 | 3 | 3.0.0 | R99 | Correction CR on CN broadcast procedure. Part of the lu subworking group. | approved | C | 3.1.0 | UTRAN lu interface RANAP signalling | R3 |
| RP-000078 | 25.413 | 002 | 1 | 3.0.0 | R99 | Criticality Information within the Message Tabular Format | approved | D | 3.1.0 | UTRAN lu interface RANAP signalling | R3 |
| RP-000078 | 25.413 | 003 | | 3.0.0 | R99 | Corrections within ASN.1 definition of some security related IEs | approved | F | 3.1.0 | UTRAN lu interface RANAP signalling | R3 |
| RP-000078 | 25.413 | 004 | | 3.0.0 | R99 | Corrections within RAB Assignment procedure description | approved | F | 3.1.0 | UTRAN lu interface RANAP signalling | R3 |
| RP-000078 | 25.413 | 005 | | 3.0.0 | R99 | Some editorial modifications of EP descriptions related to relocation of SRNS | approved | D | 3.1.0 | UTRAN lu interface RANAP signalling | R3 |
| RP-000078 | 25.413 | 006 | | 3.0.0 | R99 | Editorial Modification of the Chosen UP Version IE description | approved | D | 3.1.0 | UTRAN lu interface RANAP signalling | R3 |
| RP-000078 | 25.413 | 007 | | 3.0.0 | R99 | Removal of an out of date statement about a specific order of IEs within RANAP messages. | approved | F | 3.1.0 | UTRAN lu interface RANAP signalling | R3 |
| RP-000078 | 25.413 | 008 | | 3.0.0 | R99 | Additional description of the usage of "no encryption" and the prioritation of UEAs within RANAP EP description | approved | F | 3.1.0 | UTRAN lu interface RANAP signalling | R3 |
| RP-000079 | 25.413 | 009 | 1 | 3.0.0 | R99 | CR to 25.413: cause value range of cause miscellaneous in RANAP (CR9r1) | approved | C | 3.1.0 | UTRAN lu interface RANAP signalling | R3 |
| RP-000079 | 25.413 | 010 | 1 | 3.0.0 | R99 | CR to 25.413: Cause value related to relocation (CR10r1) | approved | F | 3.1.0 | UTRAN lu interface RANAP signalling | R3 |
| RP-000079 | 25.413 | 011 | 1 | 3.0.0 | R99 | CR to 25.413: missing cause value in RANAP (CR11r1) | approved | F | 3.1.0 | UTRAN lu interface RANAP signalling | R3 |
| RP-000078 | 25.413 | 012 | | 3.0.0 | R99 | CR to 25.413: Correction in RANAP:RAB Assignment Response message | approved | F | 3.1.0 | UTRAN lu interface RANAP signalling | R3 |
| RP-000078 | 25.413 | 013 | | 3.0.0 | R99 | Correction of the presence of Transparent Container IEs in RANAP RELOCATION REQUIRED and RELOCATION COMMAND message | approved | F | 3.1.0 | UTRAN lu interface RANAP signalling | R3 |
| RP-000078 | 25.413 | 014 | | 3.0.0 | R99 | Definition of Transport Layer Address | approved | F | 3.1.0 | UTRAN lu interface RANAP signalling | R3 |
| RP-000078 | 25.413 | 015 | | 3.0.0 | R99 | CR to 25.413: Correction to NAS Broadcast Information IE description | approved | F | 3.1.0 | UTRAN lu interface RANAP signalling | R3 |
| RP-000081 | 25.413 | 016 | 2 | 3.0.0 | R99 | CR to 25.413: Correcting the conditions for RAB information in Relocation Request Acknowledge message | approved | F | 3.1.0 | UTRAN lu interface RANAP signalling | R3 |
| RP-000078 | 25.413 | 017 | | 3.0.0 | R99 | CR to 25.413: Correction of the type of d-RNTI in RANAP ASN.1 | approved | F | 3.1.0 | UTRAN lu interface RANAP signalling | R3 |
| RP-000078 | 25.413 | 018 | | 3.0.0 | R99 | Report RABs for which a Data Volume report can't be generated in the Data Volume Report message. | approved | C | 3.1.0 | UTRAN lu interface RANAP signalling | R3 |
| RP-000078 | 25.413 | 019 | | 3.0.0 | R99 | Handle invalid RAB IDs in the SRNS Context Transfer procedure | approved | C | 3.1.0 | UTRAN lu interface RANAP signalling | R3 |
| RP-000078 | 25.413 | 020 | | 3.0.0 | R99 | Initiation of lu Release procedure as a consequence of RAB RELEASE REQUEST. | approved | C | 3.1.0 | UTRAN lu interface RANAP signalling | R3 |
| RP-000078 | 25.413 | 021 | | 3.0.0 | R99 | New Cause values in RANAP. | approved | C | 3.1.0 | UTRAN lu interface RANAP signalling | R3 |
| RP-000080 | 25.413 | 024 | 2 | 3.0.0 | R99 | Corrections of RANAP RAB parameters | approved | F | 3.1.0 | UTRAN lu interface RANAP signalling | R3 |
| RP-000080 | 25.413 | 025 | 1 | 3.0.0 | R99 | Clarification on criticality modelling | approved | F | 3.1.0 | UTRAN lu interface RANAP signalling | R3 |
| RP-000079 | 25.413 | 026 | | 3.0.0 | R99 | Enhancement of the description of the message type IE | approved | F | 3.1.0 | UTRAN lu interface RANAP signalling | R3 |
| RP-000080 | 25.413 | 028 | 1 | 3.0.0 | R99 | This is an update to tdoc R3-000532. New CR28r1. | approved | C | 3.1.0 | UTRAN lu interface RANAP signalling | R3 |
| RP-000078 | 25.413 | 029 | | 3.0.0 | R99 | Introduction of 'Presence' information element for Extension | approved | F | 3.1.0 | UTRAN lu interface RANAP signalling | R3 |
| RP-000078 | 25.413 | 030 | | 3.0.0 | R99 | Editorial changes to RANAP | approved | D | 3.1.0 | UTRAN lu interface RANAP signalling | R3 |
| RP-000080 | 25.413 | 031 | 1 | 3.0.0 | R99 | Definition of global RAB ID in RANAP | approved | C | 3.1.0 | UTRAN lu interface RANAP signalling | R3 |

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| RP-000080 | 25.413 | 032 | 1 | 3.0.0 | R99 | Renaming NAS Binding information to RAB ID and removing local RAB ID in RANAP | approved | C | 3.1.0 | UTRAN Iu interface RANAP signalling | R3 |
| RP-000078 | 25.413 | 033 | | 3.0.0 | R99 | Correction of the tabular format for the Cause IE | approved | F | 3.1.0 | UTRAN Iu interface RANAP signalling | R3 |
| RP-000078 | 25.413 | 034 | | 3.0.0 | R99 | CN Domain Identifier in Target ID in Relocation Required | approved | F | 3.1.0 | UTRAN Iu interface RANAP signalling | R3 |
| RP-000079 | 25.413 | 036 | | 3.0.0 | R99 | Clarification of when RELOCATION REQUEST ACKNOWLEDGE will contain the transparent container | approved | F | 3.1.0 | UTRAN Iu interface RANAP signalling | R3 |
| RP-000079 | 25.413 | 037 | | 3.0.0 | R99 | Clarifying of failure situations for RAB Assignment | approved | F | 3.1.0 | UTRAN Iu interface RANAP signalling | R3 |
| RP-000079 | 25.413 | 038 | | 3.0.0 | R99 | DL/UL GTP-PDU Sequence Numbers on wrong level in RAB Assignment Response | approved | F | 3.1.0 | UTRAN Iu interface RANAP signalling | R3 |
| RP-000079 | 25.413 | 040 | | 3.0.0 | R99 | Clarification of the interaction between Event Reported and Direct Reported Location Reporting | approved | F | 3.1.0 | UTRAN Iu interface RANAP signalling | R3 |
| RP-000080 | 25.413 | 042 | 1 | 3.0.0 | R99 | Clarifications in the Paging and Common ID procedures | approved | F | 3.1.0 | UTRAN Iu interface RANAP signalling | R3 |
| RP-000079 | 25.413 | 043 | | 3.0.0 | R99 | Aligning the definition of N-PDU Sequence Number throughout RANAP | approved | F | 3.1.0 | UTRAN Iu interface RANAP signalling | R3 |
| RP-000079 | 25.413 | 044 | | 3.0.0 | R99 | Cause value "RAB pre-empted" moved from IU RELEASE REQUEST to RAB RELEASE REQUEST | approved | F | 3.1.0 | UTRAN Iu interface RANAP signalling | R3 |
| RP-000079 | 25.413 | 045 | | 3.0.0 | R99 | Clarification of relation between RAB and Radio Bearers | approved | F | 3.1.0 | UTRAN Iu interface RANAP signalling | R3 |
| RP-000079 | 25.413 | 046 | | 3.0.0 | R99 | Cause value to use in connection with Relocation Preparation | approved | F | 3.1.0 | UTRAN Iu interface RANAP signalling | R3 |
| RP-000079 | 25.413 | 047 | | 3.0.0 | R99 | Correction of range for security algorithms and number of keys | approved | F | 3.1.0 | UTRAN Iu interface RANAP signalling | R3 |
| RP-000079 | 25.413 | 049 | | 3.0.0 | R99 | Security information in Relocation messages | approved | F | 3.1.0 | UTRAN Iu interface RANAP signalling | R3 |
| RP-000079 | 25.413 | 050 | | 3.0.0 | R99 | Resetting of HFN when new security keys are activated | approved | C | 3.1.0 | UTRAN Iu interface RANAP signalling | R3 |
| RP-000080 | 25.413 | 051 | 1 | 3.0.0 | R99 | Clarification of Elementary Procedure Definition | approved | C | 3.1.0 | UTRAN Iu interface RANAP signalling | R3 |
| RP-000079 | 25.413 | 052 | | 3.0.0 | R99 | Addition of exception to Error Indication | approved | F | 3.1.0 | UTRAN Iu interface RANAP signalling | R3 |
| RP-000080 | 25.413 | 053 | 2 | 3.0.0 | R99 | Addition of Paging related parameter: CR53r2 | approved | C | 3.1.0 | UTRAN Iu interface RANAP signalling | R3 |
| RP-000080 | 25.413 | 054 | 1 | 3.0.0 | R99 | CR to 25.413: Editorial correction of cause in RANAP | approved | F | 3.1.0 | UTRAN Iu interface RANAP signalling | R3 |
| RP-000080 | 25.413 | 055 | 1 | 3.0.0 | R99 | CR to 25.413: Modifying Conditions for security information in Source RNC to Target RNC Transparent Container | approved | C | 3.1.0 | UTRAN Iu interface RANAP signalling | R3 |
| RP-000080 | 25.413 | 056 | 2 | 3.0.0 | R99 | Coding and definition of RANAP Relocation InformationCR56r2 | approved | F | 3.1.0 | UTRAN Iu interface RANAP signalling | R3 |
| RP-000081 | 25.413 | 057 | 2 | 3.0.0 | R99 | CR to 25.413: Clarification of CN actions for RAB Release Request | approved | D | 3.1.0 | UTRAN Iu interface RANAP signalling | R3 |
| RP-000080 | 25.413 | 058 | 1 | 3.0.0 | R99 | CR to 25.413: Clarification of CN actions for Iu Release Request | approved | D | 3.1.0 | UTRAN Iu interface RANAP signalling | R3 |
| RP-000081 | 25.413 | 061 | 1 | 3.0.0 | R99 | Handling of possible inconsistencies between LAC and SAI in Initial UE message | approved | F | 3.1.0 | UTRAN Iu interface RANAP signalling | R3 |
| RP-000079 | 25.413 | 062 | | 3.0.0 | R99 | Removal of interaction between Iu Release and Relocation Resource | approved | C | 3.1.0 | UTRAN Iu interface RANAP signalling | R3 |
| RP-000079 | 25.413 | 063 | | 3.0.0 | R99 | CN initiated RAB release during ongoing RAB Assingment procedure | approved | F | 3.1.0 | UTRAN Iu interface RANAP signalling | R3 |
| RP-000079 | 25.413 | 066 | | 3.0.0 | R99 | CR to 25.413: Editorial changes to RANAP for better readability the level of indentation has been indicated by arrows. | approved | D | 3.1.0 | UTRAN Iu interface RANAP signalling | R3 |
| RP-000080 | 25.413 | 067 | 4 | 3.0.0 | R99 | Iu signalling connection identity: CR67r4 | approved | F | 3.1.0 | UTRAN Iu interface RANAP signalling | R3 |

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| RP-000079 | 25.413 | 068 | | 3.0.0 | R99 | Relocation execution trigger | approved | F | 3.1.0 | UTRAN Iu interface RANAP signalling | R3 |
| RP-000080 | 25.413 | 069 | | 3.0.0 | R99 | Start Timer TDATAfwd upon reception of RELOCATION COMMAND | approved | F | 3.1.0 | UTRAN Iu interface RANAP signalling | R3 |
| RP-000080 | 25.413 | 070 | 2 | 3.0.0 | R99 | Target Cell ID at SRNS Relocation with UE involvement | approved | C | 3.1.0 | UTRAN Iu interface RANAP signalling | R3 |
| RP-000080 | 25.413 | 071 | 2 | 3.0.0 | R99 | Addition of Call Trace Deactivation functionality | approved | B | 3.1.0 | UTRAN Iu interface RANAP signalling | R3 |
| RP-000080 | 25.413 | 072 | 1 | 3.0.0 | R99 | CR to 25.413: Addition of a Cause Value - 'Repeated Integrity Checking Failure' for Iu Release Request | approved | C | 3.1.0 | UTRAN Iu interface RANAP signalling | R3 |
| RP-000080 | 25.413 | 073 | | 3.0.0 | R99 | Alignment of PDCP Sequence Number Length with RAN 2 | approved | F | 3.1.0 | UTRAN Iu interface RANAP signalling | R3 |
| RP-000080 | 25.413 | 074 | | 3.0.0 | R99 | Proposed changes to RANAP ASN.1 descriptions for private messages | approved | C | 3.1.0 | UTRAN Iu interface RANAP signalling | R3 |
| RP-000082 | 25.414 | 001 | 1 | 3.2.0 | R99 | Extension with Service Area Broadcast Protocol | approved | B | 3.3.0 | UTRAN Iu interface data transport & transport signalling | R3 |
| RP-000082 | 25.414 | 002 | 1 | 3.2.0 | R99 | Correction and clarification of IP over ATM in 25.414, rev 1 | approved | F | 3.3.0 | UTRAN Iu interface data transport & transport signalling | R3 |
| RP-000082 | 25.414 | 003 | | 3.2.0 | R99 | Removal of ATM Protection Switching | approved | C | 3.3.0 | UTRAN Iu interface data transport & transport signalling | R3 |
| RP-000082 | 25.414 | 004 | | 3.2.0 | R99 | Clarification to the use of SSSAR (ITU-T I.366.1) | approved | C | 3.3.0 | UTRAN Iu interface data transport & transport signalling | R3 |
| RP-000082 | 25.414 | 006 | 1 | 3.2.0 | R99 | Formal cleanup of 25.414 | approved | F | 3.3.0 | UTRAN Iu interface data transport & transport signalling | R3 |
| RP-000082 | 25.414 | 007 | | 3.2.0 | R99 | IPv6 support as optional in Iu and Gn | approved | F | 3.3.0 | UTRAN Iu interface data transport & transport signalling | R3 |
| RP-000082 | 25.414 | 008 | | 3.2.0 | R99 | Clarification of Multi protocol encapsulation | approved | F | 3.3.0 | UTRAN Iu interface data transport & transport signalling | R3 |
| RP-000082 | 25.414 | 009 | | 3.2.0 | R99 | Removal of UDP port description in 25.414 | approved | F | 3.3.0 | UTRAN Iu interface data transport & transport signalling | R3 |
| RP-000082 | 25.414 | 011 | 1 | 3.2.0 | R99 | Clarification of using IP over ATM | approved | F | 3.3.0 | UTRAN Iu interface data transport & transport signalling | R3 |
| RP-000082 | 25.414 | 013 | 1 | 3.2.0 | R99 | Quality of Service differentiation over Iu-PS | approved | F | 3.3.0 | UTRAN Iu interface data transport & transport signalling | R3 |
| RP-000096 | 25.415 | 001 | 1 | 3.1.0 | R99 | Time Alignment | approved | B | 3.2.0 | UTRAN Iu interface user plane protocols | R3 |
| RP-000096 | 25.415 | 002 | | 3.1.0 | R99 | Addition of spare extension | approved | C | 3.2.0 | UTRAN Iu interface user plane protocols | R3 |
| RP-000096 | 25.415 | 003 | | 3.1.0 | R99 | Correction of frame format and coding sections | approved | F | 3.2.0 | UTRAN Iu interface user plane protocols | R3 |
| RP-000096 | 25.415 | 004 | | 3.1.0 | R99 | Removal of AMR mapping table | approved | D | 3.2.0 | UTRAN Iu interface user plane protocols | R3 |
| RP-000096 | 25.415 | 005 | | 3.1.0 | R99 | Iu timing | approved | C | 3.2.0 | UTRAN Iu interface user plane protocols | R3 |
| RP-000096 | 25.415 | 006 | 1 | 3.1.0 | R99 | O&M data addition | approved | F | 3.2.0 | UTRAN Iu interface user plane protocols | R3 |
| RP-000096 | 25.415 | 007 | 1 | 3.1.0 | R99 | Modification of the CRC description | approved | C | 3.2.0 | UTRAN Iu interface user plane protocols | R3 |
| RP-000096 | 25.415 | 008 | 1 | 3.1.0 | R99 | Initialisation and rate control | approved | C | 3.2.0 | UTRAN Iu interface user plane protocols | R3 |
| RP-000096 | 25.415 | 010 | | 3.1.0 | R99 | Cleanup of 25.415 | approved | F | 3.2.0 | UTRAN Iu interface user plane protocols | R3 |
| RP-000096 | 25.415 | 014 | | 3.1.0 | | Removal of Rate Control from Iu-UP-Status Request primitive | approved | F | 3.2.0 | UTRAN Iu interface user plane protocols | R3 |
| RP-000097 | 25.420 | 001 | 2 | 3.0.0 | R99 | Changes for CPCH | approved | | 3.1.0 | UTRAN Iur Interface: General Aspects and Principles | R3 |
| RP-000097 | 25.420 | 002 | | 3.0.0 | R99 | Correction of Iur Architecture Figure | approved | D | 3.1.0 | UTRAN Iur Interface: General Aspects and Principles | R3 |

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| RP-000097 | 25.420 | 003 | 2 | 3.0.0 | R99 | Generalisation of the | approved | F | 3.1.0 | UTRAN Iur Interface: General Aspects and Principles | R3 |
| RP-000097 | 25.420 | 004 | 1 | 3.0.0 | R99 | DSCH and USCH over Iur | approved | B | 3.1.0 | UTRAN Iur Interface: General Aspects and Principles | R3 |
| RP-000097 | 25.420 | 006 | 2 | 3.0.0 | R99 | Problem with piggybacking RADIO LINK SETUP REQUEST message on SCCP: CR message | approved | F | 3.1.0 | UTRAN Iur Interface: General Aspects and Principles | R3 |
| RP-000097 | 25.420 | 007 | 1 | 3.0.0 | R99 | Protocol stack updates | approved | F | 3.1.0 | UTRAN Iur Interface: General Aspects and Principles | R3 |
| RP-000147 | 25.422 | 001 | | 3.2.0 | R99 | Removal of ATM Protection Switching | approved | C | 3.3.0 | UTRAN Iur interface signalling transport | R3 |
| RP-000097 | 25.422 | 003 | 1 | 3.2.0 | R99 | Protocol stack updates | approved | F | 3.3.0 | UTRAN Iur interface signalling transport | R3 |
| RP-000100 | 25.423 | 001 | 1 | 3.0.0 | R99 | Changes for CPCH | approved | F | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000146 | 25.423 | 002 | 3 | 3.0.0 | R99 | addition of IEs required by the DRAC procedure in RNSAP messages | approved | F | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000100 | 25.423 | 003 | 2 | 3.0.0 | R99 | Editorial update of RNSAP | approved | D | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000143 | 25.423 | 004 | | 3.0.0 | R99 | Editorial changes to 25.423 | approved | D | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000143 | 25.423 | 005 | | 3.0.0 | R99 | Missing BLER in RL RECONFIGURATION REQUEST | approved | F | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000143 | 25.423 | 006 | | 3.0.0 | R99 | Adding of the PCCPCH Power within Neighbouring TDD Cell Information | approved | F | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000146 | 25.423 | 007 | 3 | 3.0.0 | R99 | Addition of measurement threshold information elements. | approved | F | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000143 | 25.423 | 008 | | 3.0.0 | R99 | RNSAP extensibility | approved | C | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000143 | 25.423 | 009 | | 3.0.0 | R99 | Repetition of compressed mode information elements. | approved | F | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000143 | 25.423 | 010 | | 3.0.0 | R99 | Changing Eb/N0 to SIR | approved | B | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000143 | 25.423 | 011 | | 3.0.0 | R99 | TPC Step Size defined for TDD | approved | F | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000143 | 25.423 | 013 | | 3.0.0 | R99 | Addition of DRX description in Paging procedure description text and addition of new information elements in PAGING REQUEST message. | approved | F | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000143 | 25.423 | 014 | 1 | 3.0.0 | R99 | Removal of an out of date statement about a specific order of IEs within RNSAP messages. | approved | F | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000143 | 25.423 | 015 | | 3.0.0 | R99 | Modification to RADIO LINK ADDITION procedure and related parameters | approved | F | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000146 | 25.423 | 016 | 2 | 3.0.0 | R99 | Rearrangement of Neighbouring Cell Information group | approved | C | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000143 | 25.423 | 017 | | 3.0.0 | R99 | Primary CPICH Power | approved | F | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000146 | 25.423 | 018 | 1 | 3.0.0 | R99 | Change of definition of QE | approved | F | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000100 | 25.423 | 019 | 1 | 3.0.0 | R99 | RL-Failure/Restoration procedure text update | approved | C | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000146 | 25.423 | 020 | 1 | 3.0.0 | R99 | Introduction of RLS in RNSAP | approved | D | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000143 | 25.423 | 021 | | 3.0.0 | R99 | Clarification of UL/DL signalling transfer proc. and Uu interface | approved | F | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000146 | 25.423 | 022 | 1 | 3.0.0 | R99 | Restriction to allowed procedure parallelism | approved | F | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000143 | 25.423 | 023 | | 3.0.0 | R99 | Clarification on measurement characteristics | approved | F | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000143 | 25.423 | 024 | | 3.0.0 | R99 | Alignment to R3 definition of puncturing limit range and step size | approved | F | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000146 | 25.423 | 025 | 1 | 3.0.0 | R99 | Inclusion of Beta C/D TFCS | approved | C | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000146 | 25.423 | 026 | 1 | 3.0.0 | R99 | Clarification on criticality modelling | approved | F | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000143 | 25.423 | 027 | | 3.0.0 | R99 | Enhancement of the description of the message type IE | approved | F | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |

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| RP-000146 | 25.423 | 031 | 1 | 3.0.0 | R99 | Criticality assignment for RNSAP | approved | C | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000146 | 25.423 | 032 | 1 | 3.0.0 | R99 | This is an update to trdoc R3-000535. New CR32r1. | approved | D | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000100 | 25.423 | 034 | 1 | 3.0.0 | R99 | Removal of Sync Case 3 | approved | F | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000143 | 25.423 | 035 | | 3.0.0 | R99 | Introduction of 'Presence' information element for Extension | approved | F | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000146 | 25.423 | 036 | 1 | 3.0.0 | R99 | UL Interference for TDD | approved | F | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000100 | 25.423 | 037 | 1 | 3.0.0 | R99 | TDD Neighbor Cell Power | approved | F | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000143 | 25.423 | 038 | | 3.0.0 | R99 | Clarification on the "BLER" parameter | approved | D | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000100 | 25.423 | 039 | 1 | 3.0.0 | R99 | Clarification on the "RLC Mode" parameter | approved | F | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000100 | 25.423 | 040 | 1 | 3.0.0 | R99 | Clarification on the DL power control procedure and message | approved | F | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000146 | 25.423 | 041 | 1 | 3.0.0 | R99 | Definition of the DL Power IE | approved | F | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000146 | 25.423 | 042 | 1 | 3.0.0 | R99 | Clarification on the definition of the parameter | approved | F | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000100 | 25.423 | 043 | 1 | 3.0.0 | R99 | Replacement of the mean bit rate parameter with the 'TrCh Source Statistics Descriptor' | approved | F | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000100 | 25.423 | 045 | 2 | 3.0.0 | R99 | Support of infinite PD in compressed mode (RNSAP) | approved | B | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000146 | 25.423 | 047 | 1 | 3.0.0 | R99 | A new IE for "RL information" regarding Transmit Diversity (RNSAP) | approved | F | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000146 | 25.423 | 048 | 2 | 3.0.0 | R99 | Additional IEs to Neighbouring Cell Information regarding Tx Diversity | approved | F | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000100 | 25.423 | 050 | 2 | 3.0.0 | R99 | UL and DL UARFCN (RNSAP) | approved | F | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000100 | 25.423 | 051 | 1 | 3.0.0 | R99 | Some Editorial modifications to RNSAP | approved | D | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000100 | 25.423 | 053 | 1 | 3.0.0 | R99 | Addition of "Cell Individual Offset" IE to Neighbouring Cell Information | approved | B | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000146 | 25.423 | 054 | 1 | 3.0.0 | R99 | Modification to "TGD" unit and range (RNSAP) | approved | F | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000100 | 25.423 | 055 | 1 | 3.0.0 | R99 | Addition of exception to Error Indication | approved | F | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000146 | 25.423 | 056 | 3 | 3.0.0 | R99 | CR to 25.423: Refinement of Tabular and ASN.1 in RNSAP | approved | F | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000100 | 25.423 | 057 | 1 | 3.0.0 | R99 | Problem with piggybacking RADIO LINK SETUP REQUEST message on SCCP: CR message | approved | F | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000100 | 25.423 | 058 | 2 | 3.0.0 | R99 | Maximum allowed UL Tx Power in a cell | approved | F | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000100 | 25.423 | 060 | 1 | 3.0.0 | R99 | Clarification on the C-RNTI parameter in UL signalling transfer procedure | approved | F | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000100 | 25.423 | 061 | 1 | 3.0.0 | R99 | Proposed changes to RNSAP ASN.1 descriptions for private messages | approved | C | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000100 | 25.423 | 062 | 1 | 3.0.0 | R99 | CR to 25.423: Editorial changes to RNSAP for better readability the level of indentation has been indicated by arrows. | approved | D | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000100 | 25.423 | 063 | 2 | 3.0.0 | R99 | Editorial modifications of RNSAP version 3.0.0 | approved | D | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000100 | 25.423 | 064 | 1 | 3.0.0 | R99 | Power Ramping [RNSAP] | approved | F | 3.1.0 | UTRAN Iur interface RNSAP signalling | R3 |
| RP-000122 | 25.424 | 001 | 1 | 3.1.0 | R99 | Changes for CPCH | revised | C | | UTRAN Iur interface data transport & transport signalling for CCH data streams | R3 |
| RP-000148 | 25.424 | 001 | 1 | 3.1.0 | R99 | Changes for CPCH | approved | C | 3.2.0 | UTRAN Iur interface data transport & transport signalling for CCH data streams | R3 |

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| RP-000122 | 25.424 | 002 | | 3.1.0 | R99 | Removal of ATM Protection Switching | revised | C | | UTRAN Iur interface data transport & transport signalling for CCH data streams | R3 |
| RP-000148 | 25.424 | 002 | | 3.1.0 | R99 | Removal of ATM Protection Switching | approved | C | 3.2.0 | UTRAN Iur interface data transport & transport signalling for CCH data streams | R3 |
| RP-000122 | 25.424 | 003 | | 3.1.0 | R99 | USCH over Iur | revised | C | | UTRAN Iur interface data transport & transport signalling for CCH data streams | R3 |
| RP-000148 | 25.424 | 003 | | 3.1.0 | R99 | USCH over Iur | approved | C | 3.2.0 | UTRAN Iur interface data transport & transport signalling for CCH data streams | R3 |
| RP-000102 | 25.425 | 001 | 4 | 3.0.0 | R99 | Changes for CPCH | approved | C | 3.1.0 | UTRAN Iur interface user plane protocols for CCH data streams | R3 |
| RP-000102 | 25.425 | 002 | | 3.0.0 | R99 | Handling of unknown IE or illegal IE value | approved | F | 3.1.0 | UTRAN Iur interface user plane protocols for CCH data streams | R3 |
| RP-000102 | 25.425 | 003 | | 3.0.0 | R99 | Modification to RACH/FACH FP structures | approved | F | 3.1.0 | UTRAN Iur interface user plane protocols for CCH data streams | R3 |
| RP-000102 | 25.425 | 004 | | 3.0.0 | R99 | Renaming of MAC-c to MAC-c/sh | approved | F | 3.1.0 | UTRAN Iur interface user plane protocols for CCH data streams | R3 |
| RP-000102 | 25.425 | 005 | | 3.0.0 | R99 | Coding of Common Transport Channel Priority Indicator IE | approved | F | 3.1.0 | UTRAN Iur interface user plane protocols for CCH data streams | R3 |
| RP-000102 | 25.425 | 006 | 1 | 3.0.0 | R99 | Addition of Spare Extension. | approved | B | 3.1.0 | UTRAN Iur interface user plane protocols for CCH data streams | R3 |
| RP-000102 | 25.425 | 007 | | 3.0.0 | R99 | Addition of UE-ID Indicator IE in Iur FACH FP | approved | F | 3.1.0 | UTRAN Iur interface user plane protocols for CCH data streams | R3 |
| RP-000102 | 25.425 | 009 | | 3.0.0 | R99 | Aligned definition of Rx Timing Deviation | approved | F | 3.1.0 | UTRAN Iur interface user plane protocols for CCH data streams | R3 |
| RP-000102 | 25.425 | 010 | 2 | 3.0.0 | R99 | Inclusion of DSCH and [TDD USCH] FP procedures | approved | B | 3.1.0 | UTRAN Iur interface user plane protocols for CCH data streams | R3 |
| RP-000103 | 25.426 | 001 | | 3.1.0 | R99 | Removal of ATM Protection Switching (This document is the accepted version of R3-000147) | approved | C | 3.2.0 | UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams | R3 |
| RP-000104 | 25.427 | 001 | 1 | 3.1.0 | R99 | Modification of the CRC description | approved | D | 3.2.0 | UTRAN Iur and Iub interface user plane protocols for DCH data streams | R3 |
| RP-000104 | 25.427 | 002 | | 3.1.0 | R99 | Changing Eb/N0 to SIR. | approved | F | 3.2.0 | UTRAN Iur and Iub interface user plane protocols for DCH data streams | R3 |
| RP-000104 | 25.427 | 003 | | 3.1.0 | R99 | Modification of Uplink Data Transfer procedure. | approved | B | 3.2.0 | UTRAN Iur and Iub interface user plane protocols for DCH data streams | R3 |
| RP-000104 | 25.427 | 004 | | 3.1.0 | R99 | Modification to DCH control frame protocol passing TFI signalling for DSCH | approved | C | 3.2.0 | UTRAN Iur and Iub interface user plane protocols for DCH data streams | R3 |
| RP-000104 | 25.427 | 005 | | 3.1.0 | R99 | Change of definition of QE | approved | F | 3.2.0 | UTRAN Iur and Iub interface user plane protocols for DCH data streams | R3 |
| RP-000104 | 25.427 | 006 | 1 | 3.1.0 | R99 | Radio Interface Parameter Updates | approved | F | 3.2.0 | UTRAN Iur and Iub interface user plane protocols for DCH data streams | R3 |
| RP-000104 | 25.427 | 007 | 1 | 3.1.0 | R99 | Addition of Spare Extension. | approved | B | 3.2.0 | UTRAN Iur and Iub interface user plane protocols for DCH data streams | R3 |
| RP-000104 | 25.427 | 008 | | 3.1.0 | R99 | Corrections to 25.427 on DTX | approved | F | 3.2.0 | UTRAN Iur and Iub interface user plane protocols for DCH data streams | R3 |
| RP-000104 | 25.427 | 009 | | 3.1.0 | R99 | Editorial changes to 25.427 | approved | D | 3.2.0 | UTRAN Iur and Iub interface user plane protocols for DCH data streams | R3 |

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| RP-000104 | 25.427 | 010 | | 3.1.0 | R99 | Aligned definition of Rx Timing Deviation | approved | F | 3.2.0 | UTRAN Iur and Iub interface user plane protocols for DCH data streams | R3 |
| RP-000104 | 25.427 | 011 | 1 | 3.1.0 | R99 | DCH Frame Protocol Error Handling Clarification | approved | F | 3.2.0 | UTRAN Iur and Iub interface user plane protocols for DCH data streams | R3 |
| RP-000104 | 25.427 | 012 | | 3.1.0 | R99 | Removal of open issues chapter | approved | D | 3.2.0 | UTRAN Iur and Iub interface user plane protocols for DCH data streams | R3 |
| RP-000104 | 25.427 | 013 | 1 | 3.1.0 | R99 | DL user plane synchronisation | approved | F | 3.2.0 | UTRAN Iur and Iub interface user plane protocols for DCH data streams | R3 |
| RP-000105 | 25.430 | 001 | 4 | 3.0.0 | R99 | Changes for CPCH | approved | C | 3.1.0 | UTRAN Iub Interface: General Aspects and Principles | R3 |
| RP-000105 | 25.430 | 002 | 1 | 3.0.0 | R99 | Correction of Node B common resources for TDD | approved | F | 3.1.0 | UTRAN Iub Interface: General Aspects and Principles | R3 |
| RP-000105 | 25.430 | 003 | 1 | 3.0.0 | R99 | PDSCH and PUSCH handling in NodeB | approved | C | 3.1.0 | UTRAN Iub Interface: General Aspects and Principles | R3 |
| RP-000105 | 25.430 | 004 | | 3.0.0 | R99 | Clarification to the functional split of System Information over Iub | approved | C | 3.1.0 | UTRAN Iub Interface: General Aspects and Principles | R3 |
| RP-000105 | 25.430 | 005 | 2 | 3.0.0 | R99 | Generalisation of the combining/splitting functionality in the Node B | approved | F | 3.1.0 | UTRAN Iub Interface: General Aspects and Principles | R3 |
| RP-000105 | 25.430 | 006 | | 3.0.0 | R99 | Data stream definitions | approved | D | 3.1.0 | UTRAN Iub Interface: General Aspects and Principles | R3 |
| RP-000105 | 25.430 | 007 | | 3.0.0 | R99 | Functional list update | approved | F | 3.1.0 | UTRAN Iub Interface: General Aspects and Principles | R3 |
| RP-000128 | 25.433 | 002 | | 3.0.0 | R99 | Editorial Improvements of NBAP version 3.0.0 | approved | D | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000128 | 25.433 | 003 | | 3.0.0 | R99 | Insertion of missing mapping table; Functions to Elementary Procedures | approved | F | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000128 | 25.433 | 004 | | 3.0.0 | R99 | Replacement of the Error Indication procedure with the procedure text agreed at RAN WG3 #9 | approved | F | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000128 | 25.433 | 005 | | 3.0.0 | R99 | Missing Cause Values in the RL Failure procedure | approved | F | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000128 | 25.433 | 007 | | 3.0.0 | R99 | Scope of Transaction id | approved | F | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000108 | 25.433 | 008 | 3 | 3.0.0 | R99 | Addition of measurement threshold information elements. | approved | F | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000128 | 25.433 | 009 | | 3.0.0 | R99 | NBAP Extensibility | approved | C | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000128 | 25.433 | 010 | | 3.0.0 | R99 | Correction of Antenna Diversity parameters for TDD | approved | F | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000108 | 25.433 | 011 | 2 | 3.0.0 | R99 | Update to R3-000441. | approved | C | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000108 | 25.433 | 012 | 4 | 3.0.0 | R99 | Physical shared channel reconfiguration | approved | C | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000128 | 25.433 | 013 | | 3.0.0 | R99 | Repetition of compressed mode information elements. | approved | F | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000128 | 25.433 | 014 | | 3.0.0 | R99 | Changing Eb/N0 to SIR. | approved | B | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000128 | 25.433 | 015 | | 3.0.0 | R99 | TPC Step Size defined for TDD | approved | F | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000128 | 25.433 | 017 | | 3.0.0 | R99 | Simplified Audit procedure | approved | C | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000128 | 25.433 | 018 | | 3.0.0 | R99 | Use of Error Indication procedure on signalling bearers corresponding to the Node B control port | approved | D | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000128 | 25.433 | 019 | 1 | 3.0.0 | R99 | Update of system information procedure | approved | F | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000128 | 25.433 | 020 | | 3.0.0 | R99 | Correction of number of possible CPICHs in a cell | approved | F | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000128 | 25.433 | 022 | | 3.0.0 | R99 | CR to 25.433: Editorial Correction of the ASN.1 with the Syntax Checking of the NBAP : Common Module | approved | C | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |

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| RP-000128 | 25.433 | 023 | | 3.0.0 | R99 | CR to 25.433: Editorial Correction of the ASN.1 with the Syntax Checking of the NBAP : Elementary Procedure Module | approved | C | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000107 | 25.433 | 024 | 1 | 3.0.0 | R99 | CR to 25.433: Editorial Correction of the ASN.1 with the Syntax Checking of the NBAP : PDU Module and correction of the tabular format. (CR24r1) | approved | F | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000128 | 25.433 | 025 | | 3.0.0 | R99 | CR to 25.433: Editorial Correction of the ASN.1 with the Syntax Checking of the NBAP : Information Element Module | approved | C | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000128 | 25.433 | 026 | | 3.0.0 | R99 | CR to 25.433: Editorial Correction of the ASN.1 with the Syntax Checking of the NBAP : Constant Module | approved | C | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000107 | 25.433 | 027 | 1 | 3.0.0 | R99 | Modification for number of PCH channels for TDD | approved | F | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000128 | 25.433 | 028 | | 3.0.0 | R99 | Modifications to RADIO LINK ADDITION procedure and related parameters | approved | F | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000128 | 25.433 | 029 | | 3.0.0 | R99 | Frame Offset Correction | approved | F | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000107 | 25.433 | 030 | | 3.0.0 | R99 | Primary CPICH Power | approved | B | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000108 | 25.433 | 031 | 1 | 3.0.0 | R99 | Change of definition of QE | approved | F | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000107 | 25.433 | 032 | 1 | 3.0.0 | R99 | Update to R3-000478: CR32r1 | approved | F | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000108 | 25.433 | 033 | 1 | 3.0.0 | R99 | Introduction of RLS in NBAP | approved | C | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000108 | 25.433 | 034 | 1 | 3.0.0 | R99 | Restriction to allowed procedure parallelism | approved | C | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000128 | 25.433 | 035 | | 3.0.0 | R99 | Clarification on measurement characteristics | approved | F | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000128 | 25.433 | 036 | | 3.0.0 | R99 | Alignment to R3 definition of puncturing limit range and step size | approved | F | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000107 | 25.433 | 037 | | 3.0.0 | R99 | Pre-amble threshold for PRACH | approved | B | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000108 | 25.433 | 038 | 1 | 3.0.0 | R99 | Inclusion of Beta C/D TFCS | approved | F | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000107 | 25.433 | 039 | | 3.0.0 | R99 | Clarification of the Blocking and Unblocking procedures | approved | F | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000108 | 25.433 | 040 | 1 | 3.0.0 | R99 | Editorial fault in tabular format | approved | D | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000107 | 25.433 | 041 | 1 | 3.0.0 | R99 | Clarification on criticality modelling | approved | F | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000107 | 25.433 | 042 | | 3.0.0 | R99 | Enhancement of the description of the message type IE | approved | F | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000107 | 25.433 | 043 | 3 | 3.0.0 | R99 | Capacity Modeling of Node B | approved | B | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000107 | 25.433 | 045 | 1 | 3.0.0 | R99 | Addition of exception to Error Indication | approved | F | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000107 | 25.433 | 046 | 1 | 3.0.0 | R99 | Introduction of 'Repetition Number' into 'Criticality Diagnostics' | approved | C | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000107 | 25.433 | 047 | 2 | 3.0.0 | R99 | Criticality assignment for NBAP | approved | C | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000107 | 25.433 | 048 | 2 | 3.0.0 | R99 | Removal of Sync Case 3 | approved | F | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000107 | 25.433 | 050 | | 3.0.0 | R99 | Introduction of 'Presence' information element for Extension | approved | F | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000108 | 25.433 | 051 | 1 | 3.0.0 | R99 | UL Interference for TDD | approved | F | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000108 | 25.433 | 052 | 2 | 3.0.0 | R99 | Clarification on the "RLC Mode" parameter | approved | F | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000108 | 25.433 | 053 | 1 | 3.0.0 | R99 | Clarification on the definition of the DL Power IE | approved | F | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000108 | 25.433 | 054 | 1 | 3.0.0 | R99 | Clarification on the DL power control procedure and message | approved | F | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000108 | 25.433 | 055 | 2 | 3.0.0 | R99 | Introduction of "TFCSI | approved | C | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000108 | 25.433 | 057 | 1 | 3.0.0 | R99 | A new IE for "RL information" regarding Transmit Diversity (NBAP) | approved | B | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |

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| RP-000108 | 25.433 | 058 | 2 | 3.0.0 | R99 | Support of infinite PD in compressed mode (RNSAP) | approved | B | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000108 | 25.433 | 061 | 1 | 3.0.0 | R99 | Some Editorial modifications to NBAP | approved | D | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000107 | 25.433 | 062 | 1 | 3.0.0 | R99 | UL and DL UARFCN (NBAP) | approved | F | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000108 | 25.433 | 064 | 1 | 3.0.0 | R99 | Modification to "TGD" unit and range (NBAP) | approved | F | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000107 | 25.433 | 065 | 1 | 3.0.0 | R99 | Modification of System Information related IEs | approved | D | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000107 | 25.433 | 067 | 1 | 3.0.0 | R99 | estructuring of System Information Update Request | approved | D | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000108 | 25.433 | 071 | 1 | 3.0.0 | R99 | Addition of cause values for NBAP block resource procedure | approved | C | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000108 | 25.433 | 072 | 1 | 3.0.0 | R99 | Addition of new indication type category in Resource Status Indication message | approved | C | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000107 | 25.433 | 073 | 1 | 3.0.0 | R99 | Proposed changes to NBAP to incorporate Node B capacity modelling | approved | C | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000107 | 25.433 | 074 | 1 | 3.0.0 | R99 | CR to 25.433: Editorial changes to NBAP for better readability the level of indentation has been indicated by arrows. | approved | D | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000107 | 25.433 | 076 | 1 | 3.0.0 | R99 | Beginning of DL transmission in one RL | approved | F | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000108 | 25.433 | 077 | 1 | 3.0.0 | R99 | Correction for RACH | approved | F | 3.1.0 | UTRAN Iub interface NBAP signalling | R3 |
| RP-000109 | 25.434 | 001 | 1 | 3.1.0 | R99 | Changes for CPCH | approved | C | 3.2.0 | UTRAN Iub interface data transport & transport signalling for CCH data streams | R3 |
| RP-000109 | 25.434 | 002 | | 3.1.0 | R99 | Changes for USCH | approved | C | 3.2.0 | UTRAN Iub interface data transport & transport signalling for CCH data streams | R3 |
| RP-000110 | 25.435 | 001 | 3 | 3.1.0 | R99 | Changes for CPCH | approved | B | 3.2.0 | UTRAN Iub interface user plane protocols for CCH data streams | R3 |
| RP-000110 | 25.435 | 002 | | 3.1.0 | R99 | DSCH data frame with PDSCH Identifier | approved | C | 3.2.0 | UTRAN Iub interface user plane protocols for CCH data streams | R3 |
| RP-000110 | 25.435 | 003 | | 3.1.0 | R99 | USCH frame protocol with PUSCH Identifier | approved | C | 3.2.0 | UTRAN Iub interface user plane protocols for CCH data streams | R3 |
| RP-000110 | 25.435 | 004 | | 3.1.0 | R99 | Correction for the PI-bitmap coding. | approved | F | 3.2.0 | UTRAN Iub interface user plane protocols for CCH data streams | R3 |
| RP-000110 | 25.435 | 005 | 1 | 3.1.0 | R99 | Modification of the CRC description | approved | D | 3.2.0 | UTRAN Iub interface user plane protocols for CCH data streams | R3 |
| RP-000110 | 25.435 | 006 | 2 | 3.0.0 | R99 | Modification to DSCH frame protocol | approved | C | 3.1.0 | UTRAN Iub interface user plane protocols for CCH data streams | R3 |
| RP-000110 | 25.435 | 007 | 1 | 3.1.0 | R99 | Addition of Spare Extension. | approved | B | 3.2.0 | UTRAN Iub interface user plane protocols for CCH data streams | R3 |
| RP-000110 | 25.435 | 009 | | 3.1.0 | R99 | Corrections to 25.435 on DTX | approved | F | 3.2.0 | UTRAN Iub interface user plane protocols for CCH data streams | R3 |
| RP-000110 | 25.435 | 010 | | 3.1.0 | R99 | Aligned definition of Rx Timing Deviation | approved | F | 3.2.0 | UTRAN Iub interface user plane protocols for CCH data streams | R3 |
| RP-000110 | 25.435 | 011 | | 3.1.0 | R99 | Correction of PI Bitmapping for TDD | approved | F | 3.2.0 | UTRAN Iub interface user plane protocols for CCH data streams | R3 |
| RP-000110 | 25.435 | 012 | | 3.1.0 | R99 | Add QE in USCH Data Frame | approved | F | 3.2.0 | UTRAN Iub interface user plane protocols for CCH data streams | R3 |
| RP-000110 | 25.435 | 013 | 1 | 3.0.0 | R99 | CCH Frame Protocol error handling | approved | F | 3.1.0 | UTRAN Iub interface user plane protocols for CCH data streams | R3 |

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| RP-000110 | 25.435 | 014 | | 3.1.0 | R99 | Removal of open issues chapter | approved | D | 3.2.0 | UTRAN Iub interface user plane protocols for CCH data streams | R3 |
| RP-000111 | 25.442 | 001 | 1 | 3.1.0 | R99 | Clarifications to Implementation Specific O&M Transport | approved | F | 3.2.0 | UTRAN Implementation Specific O&M Transport | R3 |
| RP-000048 | 25.921 | 001 | 2 | 3.0.0 | R99 | Further clarifications on specialised encoding | approved | D | 3.1.0 | Guidelines and principles for protocol description and error handling | R2 |
| RP-000048 | 25.921 | 003 | 1 | 3.0.0 | R99 | Modification of the 'presence' column specification in tabular format, and other editorial modifications | approved | D | 3.1.0 | Guidelines and principles for protocol description and error handling | R2 |
| RP-000048 | 25.921 | 005 | | 3.0.0 | R99 | Editorial corrections on section 11.2 | approved | D | 3.1.0 | Guidelines and principles for protocol description and error handling | R2 |
| RP-000048 | 25.921 | 006 | | 3.0.0 | R99 | Improvement of integers and enumerated, and introduction of reals and octet strings | approved | D | 3.1.0 | Guidelines and principles for protocol description and error handling | R2 |
| RP-000049 | 25.922 | 001 | | 3.0.0 | R99 | PDSCH code usage and signalling | approved | F | 3.1.0 | Radio Resource Management Strategies | R2 |
| RP-000050 | 25.925 | 001 | | 3.0.0 | R99 | Miscellaneous corrections | approved | F | 3.1.0 | Radio Interface for Broadcast/Multicast Services | R2 |
| RP-000050 | 25.925 | 002 | | 3.0.0 | R99 | Correction of RNC functions | approved | F | 3.1.0 | Radio Interface for Broadcast/Multicast Services | R2 |
| SP-000025 | 26.073 | 001 | | 3.0.0 | R99 | Avoidance of pulse cancellation in FCB excitation | approved | A | 3.1.0 | AMR speech Codec; C-source code | S4 |
| SP-000025 | 26.101 | 001 | | 3.0.0 | R99 | Correction of indices in Annex B table | approved | F | 3.1.0 | AMR speech Codec; Frame Structure | S4 |
| SP-000025 | 26.101 | 002 | | 3.0.0 | R99 | Addition of comfort noise bit ordering | approved | F | 3.1.0 | AMR speech Codec; Frame Structure | S4 |
| SP-000025 | 26.101 | 003 | | 3.0.0 | R99 | Correction of table indexing for AMR Core Frame class division | approved | F | 3.1.0 | AMR speech Codec; Frame Structure | S4 |
| SP-000025 | 26.101 | 004 | | 3.0.0 | R99 | Clarification of bit transmission order for AMR frame structure parameters for AMR IF1 | approved | F | 3.1.0 | AMR speech Codec; Frame Structure | S4 |
| SP-000025 | 26.102 | 001 | 3 | 3.0.0 | R99 | Introduction of QoS parameters used at RAB assignment | approved | C | 3.1.0 | AMR speech Codec; Interface to Iu and Uu | S4 |
| SP-000025 | 26.102 | 002 | | 3.0.0 | R99 | Introduction of different RFCS set on Iu User Plane | approved | C | 3.1.0 | AMR speech Codec; Interface to Iu and Uu | S4 |
| SP-000025 | 26.102 | 003 | 2 | 3.0.0 | R99 | Introduction of Time Alignment | approved | B | 3.1.0 | AMR speech Codec; Interface to Iu and Uu | S4 |
| NP-000046 | 27.001 | 010 | | 3.3.0 | R99 | FALLBACK TO SPEECH IN A CS MULTIMEDIA CALL SETUP | approved | B | 3.4.0 | General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS) | N3 |
| NP-000044 | 27.001 | 011 | | 3.3.0 | R99 | Bit transparent services RDI and UDI | approved | F | 3.4.0 | General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS) | N3 |
| NP-000045 | 27.001 | 012 | | 3.3.0 | R99 | FTM corrections | approved | F | 3.4.0 | General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS) | N3 |
| NP-000044 | 27.001 | 013 | | 3.3.0 | R99 | Alignment to RANAP and other clarifications | approved | C | 3.4.0 | General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS) | N3 |
| NP-000046 | 27.001 | 014 | | 3.3.0 | R99 | Corrections related to MULTIMEDIA | approved | F | 3.4.0 | General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS) | N3 |
| NP-000044 | 27.002 | 003 | | 3.2.0 | R99 | UMTS clean up | approved | F | 3.3.0 | Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities | N3 |
| NP-000044 | 27.003 | 004 | | 3.2.0 | R99 | UMTS clean up | approved | F | 3.3.0 | Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities | N3 |
| TP-000024 | 27.007 | 023 | | 3.3.0 | R99 | Deletion of the +CPROT? read command | approved | F | 3.4.0 | AT command set for 3G User Equipment (UE) | T2 |
| TP-000024 | 27.007 | 024 | | 3.3.0 | R99 | Additional format(4 digits) for +CCLK | postponed | B | | AT command set for 3G User Equipment (UE) | T2 |
| TP-000024 | 27.007 | 025 | | 3.3.0 | R99 | Adaptations for UMTS | approved | F | 3.4.0 | AT command set for 3G User Equipment (UE) | T2 |

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| TP-000024 | 27.007 | 026 | | 3.3.0 | R99 | References to ASCII Specifications | approved | D | 3.4.0 | AT command set for 3G User Equipment (UE) | T2 |
| TP-000024 | 27.007 | 027 | | 3.3.0 | R99 | Abbreviations related to ASCII | approved | D | 3.4.0 | AT command set for 3G User Equipment (UE) | T2 |
| TP-000024 | 27.007 | 028 | | 3.3.0 | R99 | Priority indication in +CLCC, List Current Calls | approved | B | 3.4.0 | AT command set for 3G User Equipment (UE) | T2 |
| TP-000024 | 27.007 | 029 | | 3.3.0 | R99 | Indication of priority, sub-address, sub-address type and TS 91/TS92 in +CRC, Cellular Result Codes | approved | B | 3.4.0 | AT command set for 3G User Equipment (UE) | T2 |
| TP-000024 | 27.007 | 030 | | 3.3.0 | R99 | Commands for ASCII | approved | B | 3.4.0 | AT command set for 3G User Equipment (UE) | T2 |
| TP-000024 | 27.007 | 031 | | 3.3.0 | R99 | Commands for eMLPP | approved | B | 3.4.0 | AT command set for 3G User Equipment (UE) | T2 |
| TP-000024 | 27.007 | 032 | | 3.3.0 | R99 | Example for usage of priority | approved | B | 3.4.0 | AT command set for 3G User Equipment (UE) | T2 |
| TP-000024 | 27.010 | 005 | | 3.2.0 | R99 | Adaptations for UMTS | approved | F | 3.3.0 | Terminal Equipment to User Equipment (TE-UE) multiplexer protocol User Equipment (UE) | T2 |
| NP-000050 | 27.060 | 010 | | 3.3.0 | R99 | Correction of the support for IPv6 for the MS. | approved | F | 3.4.0 | GPRS Mobile Stations supporting GPRS | N3 |
| NP-000048 | 27.060 | 011 | | 3.3.0 | R99 | N1 VOCABULARY ALIGNMENT | approved | F | 3.4.0 | GPRS Mobile Stations supporting GPRS | N3 |
| NP-000048 | 27.060 | 012 | | 3.3.0 | R99 | Removal of X.25 from R'99 Packet Domain | approved | F | 3.4.0 | GPRS Mobile Stations supporting GPRS | N3 |
| NP-000049 | 27.060 | 013 | | 3.3.0 | R99 | Specification reference section clean-up | approved | F | 3.4.0 | GPRS Mobile Stations supporting GPRS | N3 |
| NP-000073 | 29.002 | 048 | 5 | 3.3.1 | R99 | Introduction of Multicall | approved | B | 3.4.0 | Mobile Application Part (MAP) | N2 |
| NP-000065 | 29.002 | 059 | 1 | 3.3.1 | R99 | Alternative solution for ALR | approved | B | 3.4.0 | Mobile Application Part (MAP) | N2 |
| NP-000072 | 29.002 | 063 | 4 | 3.3.1 | R99 | MNP Data base mismatch | approved | B | 3.4.0 | Mobile Application Part (MAP) | N2 |
| NP-000066 | 29.002 | 066 | 5 | 3.3.1 | R99 | Addition of the FTN-AddressString | approved | B | 3.4.0 | Mobile Application Part (MAP) | N2 |
| NP-000065 | 29.002 | 079 | 4 | 3.3.1 | R99 | Correction of SS Invocation Notification for CCBS | approved | C | 3.4.0 | Mobile Application Part (MAP) | N2 |
| NP-000065 | 29.002 | 080 | | 3.3.1 | R99 | Corrections to ATSI, ATM, NCSD | approved | F | 3.4.0 | Mobile Application Part (MAP) | N2 |
| NP-000071 | 29.002 | 083 | | 3.3.1 | R99 | Privacy notification/verification for call related privacy class | approved | A | 3.4.0 | Mobile Application Part (MAP) | N2 |
| NP-000077 | 29.002 | 084 | 2 | 3.3.1 | R99 | Addition of CS Allocation/retention priority | approved | B | 3.4.0 | Mobile Application Part (MAP) | N2 |
| NP-000079 | 29.002 | 086 | 1 | 3.3.1 | R99 | Various editorial corrections | approved | D | 3.4.0 | Mobile Application Part (MAP) | N2 |
| NP-000078 | 29.002 | 087 | | 3.3.1 | R99 | Correction of LSA Information | approved | F | 3.4.0 | Mobile Application Part (MAP) | N2 |
| NP-000076 | 29.002 | 089 | | 3.3.1 | R99 | Security interworking between release 99 and pre-99 MSC/VLRs | approved | | 3.4.0 | Mobile Application Part (MAP) | N2 |
| NP-000067 | 29.002 | 090 | 1 | 3.3.1 | R99 | Improving GPRS charging efficiency | approved | B | 3.4.0 | Mobile Application Part (MAP) | N2 |
| NP-000076 | 29.002 | 092 | 4 | 3.3.1 | R99 | Introduction of Enhanced User Identity Confidentiality | rejected | B | | Mobile Application Part (MAP) | N2 |
| NP-000077 | 29.002 | 094 | 2 | 3.3.1 | R99 | QoS- Subscribed field enhancements | approved | C | 3.4.0 | Mobile Application Part (MAP) | N2 |
| NP-000070 | 29.002 | 095 | 1 | 3.3.1 | R99 | RANAP support on the E-interface | approved | C | 3.4.0 | Mobile Application Part (MAP) | N2 |
| NP-000076 | 29.002 | 099 | | 3.3.1 | R99 | Addition of Current Security Context to Send_Identification_PVLR | approved | B | 3.4.0 | Mobile Application Part (MAP) | N2 |
| NP-000073 | 29.002 | 100 | 5 | 3.3.1 | R99 | Support of 3G Handover, including Multicall | approved | C | 3.4.0 | Mobile Application Part (MAP) | N2 |
| NP-000079 | 29.002 | 101 | 1 | 3.3.1 | R99 | Introduction of Service Area Identification | approved | B | 3.4.0 | Mobile Application Part (MAP) | N2 |
| NP-000076 | 29.002 | 102 | 2 | 3.3.1 | R99 | Clarification on Authentication Info Retrieval | approved | F | 3.4.0 | Mobile Application Part (MAP) | N2 |
| NP-000076 | 29.002 | 103 | 1 | 3.3.1 | R99 | Addition of UMTS security to MAP B interface | approved | B | 3.4.0 | Mobile Application Part (MAP) | N2 |
| NP-000076 | 29.002 | 104 | | 3.3.1 | R99 | Re-Synchronisation Info | approved | F | 3.4.0 | Mobile Application Part (MAP) | N2 |
| NP-000070 | 29.002 | 105 | 1 | 3.3.1 | R99 | Introduction of additional service parameters for inter-system handover | approved | C | 3.4.0 | Mobile Application Part (MAP) | N2 |
| NP-000079 | 29.002 | 107 | | 3.3.1 | R99 | Removal of architectural information from clause 4 | approved | D | 3.4.0 | Mobile Application Part (MAP) | N2 |
| NP-000076 | 29.002 | 110 | 1 | 3.3.1 | R99 | Introduction of Authentication Failure Report | approved | B | 3.4.0 | Mobile Application Part (MAP) | N2 |
| NP-000079 | 29.002 | 111 | | 3.3.1 | R99 | Use of MAP private extensions to implement region-specific requirements | approved | B | 3.4.0 | Mobile Application Part (MAP) | N2 |
| NP-000063 | 29.002 | 112 | | 3.3.1 | R99 | Priorisation of MAP application context related to VGCS/VBS | approved | A | 3.4.0 | Mobile Application Part (MAP) | N2 |

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| NP-000071 | 29.002 | 113 | | 3.3.1 | R99 | Correction of SS-Codes for LCS | approved | A | 3.4.0 | Mobile Application Part (MAP) | N2 |
| NP-000044 | 29.007 | 012 | | 3.3.0 | R99 | Clarification of reference to Q.931 for LLC IE | approved | F | 3.4.0 | General requirements on Interworking between the PLMN and the ISDN or PSTN | N3 |
| NP-000044 | 29.007 | 013 | | 3.3.0 | R99 | CR to 29.007 for A-TRAU' | approved | B | 3.4.0 | General requirements on Interworking between the PLMN and the ISDN or PSTN | N3 |
| NP-000046 | 29.007 | 014 | | 3.3.0 | R99 | FALLBACK TO SPEECH IN A CS MULTIMEDIA CALL SETUP | approved | B | 3.4.0 | General requirements on Interworking between the PLMN and the ISDN or PSTN | N3 |
| NP-000070 | 29.010 | 003 | 1 | 3.1.0 | R99 | UMTS/GSM interworking | approved | B | 3.2.0 | Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP) | N2 |
| NP-000070 | 29.010 | 004 | 1 | 3.1.0 | R99 | GSM/UMTS Interworking | approved | F | 3.2.0 | Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP) | N2 |
| NP-000070 | 29.010 | 005 | | 3.1.0 | R99 | UMTS/UMTS Handover | approved | C | 3.2.0 | Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP) | N2 |
| NP-000091 | 29.018 | 003 | 2 | 3.2.0 | R99 | SGSN reaction upon a RAU request after VLR failure | approved | A | 3.3.0 | Serving GPRS Support Mode SGSN - Visitors Location Register (VLR); Gs Interface Layer 3 Specification | N1 |
| NP-000101 | 29.018 | 007 | 3 | 3.2.0 | R99 | Introduction of the Service Area Identification | approved | B | 3.3.0 | Serving GPRS Support Mode SGSN - Visitors Location Register (VLR); Gs Interface Layer 3 Specification | N1 |
| NP-000091 | 29.018 | 009 | | 3.2.0 | R99 | Encoding of MS classmark in LUP Request | approved | F | 3.3.0 | Serving GPRS Support Mode SGSN - Visitors Location Register (VLR); Gs Interface Layer 3 Specification | N1 |
| NP-000077 | 29.060 | 033 | 2 | 3.3.0 | R99 | Addition of Radio Priority to the SGSN Context Response | approved | B | 3.4.0 | GPRS Tunnelling protocol (GPT) across the Gn and Gp interface | N2 |
| NP-000077 | 29.060 | 035 | 2 | 3.3.0 | R99 | Addition of Packet Flow Id to the SGSN Context Response | approved | B | 3.4.0 | GPRS Tunnelling protocol (GPT) across the Gn and Gp interface | N2 |
| NP-000069 | 29.060 | 036 | 1 | 3.3.0 | R99 | Change the attribution of the PDP Context IE | approved | C | 3.4.0 | GPRS Tunnelling protocol (GPT) across the Gn and Gp interface | N2 |
| NP-000069 | 29.060 | 037 | | 3.3.0 | R99 | Add cause value | approved | C | 3.4.0 | GPRS Tunnelling protocol (GPT) across the Gn and Gp interface | N2 |
| NP-000069 | 29.060 | 038 | | 3.3.0 | R99 | Addition of NSAPI to GGSN-initiated Update PDP Context | approved | F | 3.4.0 | GPRS Tunnelling protocol (GPT) across the Gn and Gp interface | N2 |
| NP-000079 | 29.060 | 040 | | 3.3.0 | R99 | Improving charging efficiency | approved | B | 3.4.0 | GPRS Tunnelling protocol (GPT) across the Gn and Gp interface | N2 |

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|-----------|--------|-----|-----|-----------------|-------|--|------------|-----|-------------|---|----------------|
| NP-000079 | 29.060 | 041 | 1 | 3.3.0 | R99 | Subscriber and equipment trace for PS domain | approved | B | 3.4.0 | GPRS Tunnelling protocol (GPT) across the Gn and Gp interface | N2 |
| NP-000079 | 29.060 | 042 | | 3.3.0 | R99 | Necessity of the function of the calculation an SGSN IP address from the target ID | approved | B | 3.4.0 | GPRS Tunnelling protocol (GPT) across the Gn and Gp interface | N2 |
| NP-000069 | 29.060 | 045 | 1 | 3.3.0 | R99 | Removal of Anonymous Access | approved | F | 3.4.0 | GPRS Tunnelling protocol (GPT) across the Gn and Gp interface | N2 |
| NP-000069 | 29.060 | 046 | 1 | 3.3.0 | R99 | Clarification of Authentication Type and Import of Parameters | approved | F | 3.4.0 | GPRS Tunnelling protocol (GPT) across the Gn and Gp interface | N2 |
| NP-000069 | 29.060 | 048 | | 3.3.0 | R99 | Clarification of Information Elements | approved | F | 3.4.0 | GPRS Tunnelling protocol (GPT) across the Gn and Gp interface | N2 |
| NP-000069 | 29.060 | 050 | 2 | 3.3.0 | R99 | Clarification on Protocol Type in GTP Header | approved | F | 3.4.0 | GPRS Tunnelling protocol (GPT) across the Gn and Gp interface | N2 |
| NP-000067 | 29.060 | 051 | | 3.3.0 | R99 | Clarification of Repeated Information Element Ordering | approved | D | 3.4.0 | GPRS Tunnelling protocol (GPT) across the Gn and Gp interface | N2 |
| NP-000069 | 29.060 | 052 | 2 | 3.3.0 | R99 | Method for GTP extension headers support | approved | B | 3.4.0 | GPRS Tunnelling protocol (GPT) across the Gn and Gp interface | N2 |
| NP-000069 | 29.060 | 053 | 2 | 3.3.0 | R99 | The addition of the conditional description of the GTP parameters | approved | B | 3.4.0 | GPRS Tunnelling protocol (GPT) across the Gn and Gp interface | N2 |
| NP-000069 | 29.060 | 056 | | 3.3.0 | R99 | Change of naming when referring to primary and secondary contexts | approved | D | 3.4.0 | GPRS Tunnelling protocol (GPT) across the Gn and Gp interface | N2 |
| NP-000067 | 29.060 | 057 | | 3.3.0 | R99 | Removal of X.25 | approved | F | 3.4.0 | GPRS Tunnelling protocol (GPT) across the Gn and Gp interface | N2 |
| NP-000074 | 29.060 | 058 | 1 | 3.3.0 | R99 | Use of 3 Digit MNCs in GTP for R'99 | approved | A | 3.4.0 | GPRS Tunnelling protocol (GPT) across the Gn and Gp interface | N2 |
| NP-000077 | 29.060 | 063 | 2 | 3.3.0 | R99 | QoS Profile IE modification | approved | C | 3.4.0 | GPRS Tunnelling protocol (GPT) across the Gn and Gp interface | N2 |
| NP-000069 | 29.060 | 067 | 1 | 3.3.0 | R99 | Distribution of security data | approved | C | 3.4.0 | GPRS Tunnelling protocol (GPT) across the Gn and Gp interface | N2 |
| NP-000069 | 29.060 | 069 | 1 | 3.3.0 | R99 | New cause codes for for TFT and packet filter errors | approved | C | 3.4.0 | GPRS Tunnelling protocol (GPT) across the Gn and Gp interface | N2 |
| NP-000069 | 29.060 | 070 | | 3.3.0 | R99 | IP v6 support in GTP | approved | F | 3.4.0 | GPRS Tunnelling protocol (GPT) across the Gn and Gp interface | N2 |
| NP-000069 | 29.060 | 072 | 3 | 3.3.0 | R99 | Clarification on the use of TEID in the GTP header | revised | F | | GPRS Tunnelling protocol (GPT) across the Gn and Gp interface | N2 |
| NP-000165 | 29.060 | 072 | 4 | 3.3.0 | R99 | Clarification on the use of TEID in the GTP header | approved | F | 3.4.0 | GPRS Tunnelling protocol (GPT) across the Gn and Gp interface | N2 |
| NP-000079 | 29.060 | 073 | | 3.3.0 | R99 | Clarification to the function of the calculation an SGSN IP address from the target ID | approved | D | 3.4.0 | GPRS Tunnelling protocol (GPT) across the Gn and Gp interface | N2 |
| NP-000069 | 29.060 | 075 | | 3.3.0 | R99 | Changing references from GSM to 3G | approved | D | 3.4.0 | GPRS Tunnelling protocol (GPT) across the Gn and Gp interface | N2 |
| NP-000069 | 29.060 | 076 | | 3.3.0 | R99 | New table for Information Elements | approved | D | 3.4.0 | GPRS Tunnelling protocol (GPT) across the Gn and Gp interface | N2 |
| NP-000069 | 29.060 | 077 | | 3.3.0 | R99 | Forward SRSN Context CR | approved | C | 3.4.0 | GPRS Tunnelling protocol (GPT) across the Gn and Gp interface | N2 |
| NP-000069 | 29.060 | 078 | 1 | 3.3.0 | R99 | PDCCP sequence numbers in SRNC relocation and inter-system handover | approved | C | 3.4.0 | GPRS Tunnelling protocol (GPT) across the Gn and Gp interface | N2 |

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|-----------|--------|-----|-----|-----------------|-------|--|------------|-----|-------------|--|----------------|
| NP-000069 | 29.060 | 079 | | 3.3.0 | R99 | Removal of TCP support in the packet domain PLMN backbone network | approved | C | 3.4.0 | GPRS Tunnelling protocol (GPT) across the Gn and Gp interface | N2 |
| NP-000076 | 29.060 | 080 | 2 | 3.3.0 | R99 | GTP Security | postponed | C | | GPRS Tunnelling protocol (GPT) across the Gn and Gp interface | N2 |
| NP-000069 | 29.060 | 081 | | 3.3.0 | R99 | Addition of PDP Context Identifier to PDP Context Information Element | approved | F | 3.4.0 | GPRS Tunnelling protocol (GPT) across the Gn and Gp interface | N2 |
| NP-000076 | 29.060 | 082 | 1 | 3.3.0 | R99 | Introduction of EUIC | rejected | B | | GPRS Tunnelling protocol (GPT) across the Gn and Gp interface | N2 |
| NP-000079 | 29.060 | 083 | | 3.3.0 | R99 | Editorial clarification of information elements in the SGSN Context Response | approved | D | 3.4.0 | GPRS Tunnelling protocol (GPT) across the Gn and Gp interface | N2 |
| NP-000049 | 29.061 | 009 | | 3.2.0 | R99 | Specification reference section clean-up | approved | F | 3.3.0 | General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet | N3 |
| NP-000047 | 29.061 | 010 | | 3.2.0 | R99 | Support for the IP-Multicast protocol | approved | F | 3.3.0 | General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet | N3 |
| NP-000050 | 29.061 | 011 | | 3.2.0 | R99 | Corrction for IPv6 support to the Gi reference point, CR to 29.061 | approved | F | 3.3.0 | General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet | N3 |
| NP-000048 | 29.061 | 012 | | 3.2.0 | R99 | Removal of X.25 from R'99 Packet Domain | approved | C | 3.3.0 | General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet | N3 |
| NP-000048 | 29.061 | 013 | | 3.2.0 | R99 | N1 VOCABULARY ALIGNMENT | approved | F | 3.3.0 | General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet | N3 |
| TP-000013 | 31.101 | 001 | 3 | 3.0.0 | R99 | Security Attributes | approved | B | 3.1.0 | UICC / Terminal Interface; Physical and Logical Characteristics | T3 |
| TP-000013 | 31.101 | 002 | 2 | 3.0.0 | R99 | Incorporation of the USAT features. | approved | B | 3.1.0 | UICC / Terminal Interface; Physical and Logical Characteristics | T3 |
| TP-000013 | 31.101 | 003 | 3 | 3.0.0 | R99 | File Control Parameters | approved | B | 3.1.0 | UICC / Terminal Interface; Physical and Logical Characteristics | T3 |
| TP-000013 | 31.101 | 004 | 1 | 3.0.0 | R99 | Coding of status words | approved | F | 3.1.0 | UICC / Terminal Interface; Physical and Logical Characteristics | T3 |
| TP-000013 | 31.101 | 006 | | 3.0.0 | R99 | Definition of application session related procedures | approved | B | 3.1.0 | UICC / Terminal Interface; Physical and Logical Characteristics | T3 |
| TP-000013 | 31.101 | 007 | | 3.0.0 | R99 | Collection of 31.101 editorial changes | approved | D | 3.1.0 | UICC / Terminal Interface; Physical and Logical Characteristics | T3 |
| TP-000013 | 31.101 | 008 | | 3.0.0 | R99 | Power consumption | approved | C | 3.1.0 | UICC / Terminal Interface; Physical and Logical Characteristics | T3 |
| TP-000013 | 31.101 | 009 | | 3.0.0 | R99 | Changes to UICC specific files | approved | F | 3.1.0 | UICC / Terminal Interface; Physical and Logical Characteristics | T3 |
| TP-000013 | 31.101 | 010 | | 3.0.0 | R99 | Reservation of file IDs | approved | F | 3.1.0 | UICC / Terminal Interface; Physical and Logical Characteristics | T3 |
| TP-000014 | 31.102 | 001 | | 3.0.0 | R99 | Removal of EFappi | approved | F | 3.1.0 | Characteristics of the USIM Application | T3 |
| TP-000014 | 31.102 | 002 | | 3.0.0 | R99 | Mandatory status for the EFs KcGPRS&LOCIGPRS | approved | F | 3.1.0 | Characteristics of the USIM Application | T3 |
| TP-000014 | 31.102 | 003 | 3 | 3.0.0 | R99 | Implementation of FDN (Fixed Dialling Numbers) | approved | B | 3.1.0 | Characteristics of the USIM Application | T3 |

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| TP-000014 | 31.102 | 004 | 3 | 3.0.0 | R99 | Barred Dialling Numbers (BDN) | approved | B | 3.1.0 | Characteristics of the USIM Application | T3 |
| TP-000014 | 31.102 | 005 | | 3.0.0 | R99 | Emergency call codes | revised | F | | Characteristics of the USIM Application | T3 |
| TP-000019 | 31.102 | 005 | 2 | 3.0.0 | R99 | Emergency call codes | approved | F | 3.1.0 | Characteristics of the USIM Application | T3 |
| TP-000014 | 31.102 | 006 | | 3.0.0 | R99 | Mandatory status for the EF containing the Packet switched domain keys | approved | F | 3.1.0 | Characteristics of the USIM Application | T3 |
| TP-000014 | 31.102 | 007 | | 3.0.0 | R99 | Authentication | approved | F | 3.1.0 | Characteristics of the USIM Application | T3 |
| TP-000014 | 31.102 | 008 | | 3.0.0 | R99 | Alignment of terminology for authentication; addition of Kc-GPRS procedure | approved | F | 3.1.0 | Characteristics of the USIM Application | T3 |
| TP-000014 | 31.102 | 009 | | 3.0.0 | R99 | Correction to USIM specific FCP coding | approved | F | 3.1.0 | Characteristics of the USIM Application | T3 |
| TP-000014 | 31.102 | 010 | | 3.0.0 | R99 | Correction for EFs regarding UE personalisation. | approved | F | 3.1.0 | Characteristics of the USIM Application | T3 |
| TP-000014 | 31.102 | 011 | | 3.0.0 | R99 | Removal of SoLSA feature from Release 99 | approved | F | 3.1.0 | Characteristics of the USIM Application | T3 |
| TP-000014 | 31.102 | 012 | | 3.0.0 | R99 | Alignment with 33.102 - AUTHENTICATE Command | approved | F | 3.1.0 | Characteristics of the USIM Application | T3 |
| TP-000014 | 31.102 | 013 | | 3.0.0 | R99 | Enhanced User Identity Confidentiality | withdrawn | B | | Characteristics of the USIM Application | T3 |
| TP-000014 | 31.102 | 014 | | 3.0.0 | R99 | Introduction of e-mail addresses in the Phone Book | approved | B | 3.1.0 | Characteristics of the USIM Application | T3 |
| TP-000014 | 31.102 | 015 | | 3.0.0 | R99 | APN control list | approved | C | 3.1.0 | Characteristics of the USIM Application | T3 |
| TP-000014 | 31.102 | 016 | | 3.0.0 | R99 | Phone book example | approved | F | 3.1.0 | Characteristics of the USIM Application | T3 |
| TP-000014 | 31.102 | 017 | | 3.0.0 | R99 | Alignment with GSM 11.11 R99 | approved | F | 3.1.0 | Characteristics of the USIM Application | T3 |
| TP-000014 | 31.102 | 018 | | 3.0.0 | R99 | Alignment with 33.102 - Cipher key and integrity key lifetime | approved | F | 3.1.0 | Characteristics of the USIM Application | T3 |
| TP-000014 | 31.102 | 019 | | 3.0.0 | R99 | Operator controlled PLMN selection | approved | B | 3.1.0 | Characteristics of the USIM Application | T3 |
| TP-000014 | 31.102 | 020 | | 3.0.0 | R99 | Changes to 31.102 to align with 24.008 | approved | C | 3.1.0 | Characteristics of the USIM Application | T3 |
| TP-000014 | 31.102 | 021 | | 3.0.0 | R99 | Collection of 31.102 editorial changes - part 1 | approved | D | 3.1.0 | Characteristics of the USIM Application | T3 |
| TP-000014 | 31.102 | 023 | | 3.0.0 | R99 | Update to pre-personalisation values in Annex E | approved | F | 3.1.0 | Characteristics of the USIM Application | T3 |
| TP-000014 | 31.102 | 024 | | 3.0.0 | R99 | Update to "EF changes via Data Download or USAT applications" table in Annex H | approved | F | 3.1.0 | Characteristics of the USIM Application | T3 |
| TP-000014 | 31.102 | 025 | 1 | 3.0.0 | R99 | Addition of security procedures | approved | B | 3.1.0 | Characteristics of the USIM Application | T3 |
| TP-000014 | 31.102 | 026 | | 3.0.0 | R99 | EF_LOCI access conditions | approved | F | 3.1.0 | Characteristics of the USIM Application | T3 |
| TP-000015 | 31.110 | 001 | | 3.0.0 | R99 | Addition of USIM version coding | approved | F | 3.1.0 | Numbering system for telecommunication IC card applications | T3 |
| TP-000015 | 31.110 | 002 | | 3.0.0 | R99 | Clarification of management of country codes and card issuer identifiers | approved | F | 3.1.0 | Numbering system for telecommunication IC card applications | T3 |
| SP-000017 | 32.015 | 001 | | 3.0.0 | R99 | IP v6 support GTP' | revised? | F | | GSM charging PS domain | S5 |
| SP-000017 | 32.015 | 002 | 1 | 3.0.0 | R99 | GTP' header length fix | approved | F | 3.1.0 | GSM charging PS domain | S5 |
| SP-000017 | 32.015 | 003 | | 3.0.0 | R99 | Charging Characteristics to CDRs | approved | B | 3.1.0 | GSM charging PS domain | S5 |
| SP-000017 | 32.015 | 004 | | 3.0.0 | R99 | include MSISDN in S,G,M-CDR | approved | B | 3.1.0 | GSM charging PS domain | S5 |
| SP-000014 | 32.101 | 001 | | 3.0.0 | R99 | Clarify use of X.25 as a Network Layer Protocol | approved | F | 3.1.0 | 3G Telecom Management principles and high level requirements | S5 |
| SP-000014 | 32.101 | 002 | | 3.0.0 | R99 | Correction of IRP-related terminology | approved | F | 3.1.0 | 3G Telecom Management principles and high level requirements | S5 |
| SP-000014 | 32.101 | 003 | | 3.0.0 | R99 | Clarification of Software Management | approved | C | 3.1.0 | 3G Telecom Management principles and high level requirements | S5 |
| SP-000015 | 32.102 | 001 | | 3.0.0 | R99 | resolving remaining R99 inconsistency between 32.101 & 32.102 | approved | F | 3.1.0 | 3G Telecom Management architecture | S5 |
| SP-000015 | 32.102 | 002 | | 3.0.0 | R99 | Correction of IRP-related terminology | approved | F | 3.1.0 | 3G Telecom Management architecture | S5 |
| SP-000016 | 32.104 | 001 | | 3.0.0 | R99 | Reduction of measurement job advance period | approved | C | 3.1.0 | 3G Performance Management | S5 |

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| SP-000016 | 32.104 | 002 | | 3.0.0 | R99 | PM file format - ASN.1 description | approved | C | 3.1.0 | 3G Performance Management | S5 |
| SP-000112 | 33.102 | 043 | | 3.3.1 | R99 | Clarification on cipher key and integrity key lifetime | approved | C | 3.4.0 | Security Architecture | S3 |
| SP-000112 | 33.102 | 044 | | 3.3.1 | R99 | local Authentication and connection establishment | approved | D | 3.4.0 | Security Architecture | S3 |
| SP-000075 | 33.102 | 045 | 3 | 3.3.1 | R99 | Refinement EUIC | withdrawn? | F | | Security Architecture | S3 |
| SP-000077 | 33.102 | 047 | 2 | 3.3.1 | R99 | Interoperation and intersystem handover/change between UTRAN and GSM BSS | approved | C | 3.4.0 | Security Architecture | S3 |
| SP-000112 | 33.102 | 048 | | 3.3.1 | R99 | Clarification on the reuse of Avs | approved | C | 3.4.0 | Security Architecture | S3 |
| SP-000112 | 33.102 | 049 | | 3.3.1 | R99 | Authentication failure reporting | approved | F | 3.4.0 | Security Architecture | S3 |
| SP-000112 | 33.102 | 050 | | 3.3.1 | R99 | Refinement of Cipher key and integrity key lifetime | approved | F | 3.4.0 | Security Architecture | S3 |
| SP-000046 | 33.102 | 051 | 1 | 3.3.1 | R99 | Conversion function c3 at USIM | approved | F | 3.4.0 | Security Architecture | S3 |
| SP-000112 | 33.102 | 052 | 1 | 3.3.1 | R99 | Trigger points of AFR during AKA | approved | F | 3.4.0 | Security Architecture | S3 |
| SP-000112 | 33.102 | 053 | 1 | 3.3.1 | R99 | Removal of EUIC from 'Authentication Data Request' procedure | approved | F | 3.4.0 | Security Architecture | S3 |
| SP-000112 | 33.102 | 054 | 1 | 3.3.1 | R99 | Clarification of the scope | approved | F | 3.4.0 | Security Architecture | S3 |
| SP-000112 | 33.102 | 055 | | 3.3.1 | R99 | SQN Generation Requirements | approved | F | 3.4.0 | Security Architecture | S3 |
| SP-000112 | 33.102 | 056 | 1 | 3.3.1 | R99 | Identification of temporary identities | approved | F | 3.4.0 | Security Architecture | S3 |
| SP-000112 | 33.102 | 057 | | 3.3.1 | R99 | Cipher key and integrity key selection | approved | F | 3.4.0 | Security Architecture | S3 |
| SP-000112 | 33.102 | 058 | 1 | 3.3.1 | R99 | Clarification on ciphering and integrity mode setting | approved | F | 3.4.0 | Security Architecture | S3 |
| SP-000112 | 33.102 | 059 | | 3.3.1 | R99 | Clarification on when integrity protection is started | approved | F | 3.4.0 | Security Architecture | S3 |
| SP-000112 | 33.102 | 061 | 1 | 3.3.1 | R99 | Unsuccessful integrity check | approved | F | 3.4.0 | Security Architecture | S3 |
| SP-000112 | 33.102 | 062 | 1 | 3.3.1 | R99 | Clarification on signalling messages to be integrity protected | approved | F | 3.4.0 | Security Architecture | S3 |
| SP-000112 | 33.102 | 063 | 1 | 3.3.1 | R99 | Clarification of the HFN handling | approved | F | 3.4.0 | Security Architecture | S3 |
| SP-000077 | 33.102 | 064 | 2 | 3.3.1 | R99 | Distribution and Use of Authentication Data between VLRs/SGSNs | approved | F | 3.4.0 | Security Architecture | S3 |
| SP-000077 | 33.102 | 066 | 1 | 3.3.1 | R99 | Ciphering | approved | C | 3.4.0 | Security Architecture | S3 |
| SP-000077 | 33.102 | 067 | 1 | 3.3.1 | R99 | Data integrity | approved | C | 3.4.0 | Security Architecture | S3 |
| SP-000112 | 33.102 | 071 | 1 | 3.3.1 | R99 | Use of default IK at emergency call with no (U)SIM or when authentication has failed | approved | F | 3.4.0 | Security Architecture | S3 |
| SP-000112 | 33.102 | 072 | | 3.3.1 | R99 | Clarification on ciphering and integrity protection at intersystem handover | approved | F | 3.4.0 | Security Architecture | S3 |
| SP-000044 | 33.102 | 073 | 1 | 3.3.1 | R99 | MAP Security | withdrawn? | D | | Security Architecture | S3 |
| SP-000112 | 33.102 | 074 | | 3.3.1 | R99 | Clarification about CK and IK which are transmitted in clear over the lu-interface | approved | B | 3.4.0 | Security Architecture | S3 |
| SP-000112 | 33.102 | 076 | | 3.3.1 | R99 | Cipher key and integrity key lifetime | approved | F | 3.4.0 | Security Architecture | S3 |
| SP-000112 | 33.102 | 077 | | 3.3.1 | R99 | Cipher key and integrity key setting | approved | F | 3.4.0 | Security Architecture | S3 |
| SP-000112 | 33.102 | 079 | 1 | 3.3.1 | R99 | Local Authentication and connection establishment | approved | C | 3.4.0 | Security Architecture | S3 |
| SP-000075 | 33.103 | 005 | 2 | 3.1.0 | R99 | Refinement EUIC (according to TS 33.102) | withdrawn? | F | | Security Integration Guidelines | S3 |
| SP-000047 | 33.103 | 006 | | 3.1.0 | R99 | Alignment of integration Guidelines with Security Architecture at S3#10 | approved | F | 3.2.0 | Security Integration Guidelines | S3 |
| SP-000048 | 33.105 | 006 | | 3.2.0 | R99 | Authentication and key agreement | approved | F | 3.3.0 | Cryptographic Algorithm requirements | S3 |
| SP-000048 | 33.105 | 007 | | 3.2.0 | R99 | Editorial changes to Terminology | approved | F | 3.3.0 | Cryptographic Algorithm requirements | S3 |
| SP-000075 | 33.105 | 008 | | 3.2.0 | R99 | Refinement of EUIC for consistency with 33.102 | withdrawn? | F | | Cryptographic Algorithm requirements | S3 |
| SP-000048 | 33.105 | 009 | | 3.2.0 | R99 | Ciphering | approved | C | 3.3.0 | Cryptographic Algorithm requirements | S3 |
| SP-000048 | 33.105 | 010 | | 3.2.0 | R99 | Data integrity | approved | D | 3.3.0 | Cryptographic Algorithm requirements | S3 |

Annex G: Status of CRs to GSM Specifications after SA #7 meeting

| TSG Doc | SPEC | CR | rev | Current version | Phase | SUBJECT | TSG status | Cat | New version | Specification Title | WG Responsible |
|-----------|-------|------|-----|-----------------|-------|--|------------|-----|-------------|--|----------------|
| SP-000060 | 02.07 | A026 | | 6.1.0 | R97 | Support of encryption in GPRS mobile stations | approved | A | 6.2.0 | Mobile Station (MS) Features | S1 |
| SP-000060 | 02.07 | A027 | | 7.1.0 | R98 | Support of encryption in GPRS mobile stations | approved | A | 7.2.0 | Mobile Station (MS) Features | S1 |
| SP-000059 | 02.60 | A025 | | 7.2.0 | R98 | Corrections on Point-To-Point Octet Stream Service | approved | F | 7.3.0 | General Packet Radio Service Stage 1 Description | S1 |
| SP-000061 | 02.66 | A001 | | 7.0.1 | R98 | PCS-1900 Service Provider Number Portability impacts for Mobile Number Portability | approved | B | 7.1.0 | Support of Mobile Number Portability (MNP); Service description; Stage 1 | S1 |
| NP-000076 | 03.03 | A038 | | 7.3.1 | R98 | Modification of section 6.2 to enhance IMEI security | revised | C | | Numbering, Addressing and Identification | N2 |
| NP-000178 | 03.03 | A038 | 1 | 7.3.1 | R98 | Modification of section 6.2 to enhance IMEI security | approved | C | 7.4.0 | Numbering, Addressing and Identification | N2 |
| NP-000076 | 03.03 | A039 | | 6.4.1 | R97 | Modification of section 6.2 to enhance IMEI security | revised | C | | Numbering, Addressing and Identification | N2 |
| NP-000177 | 03.03 | A039 | 1 | 6.4.1 | R97 | Modification of section 6.2 to enhance IMEI security | approved | C | 6.5.0 | Numbering, Addressing and Identification | N2 |
| NP-000076 | 03.03 | A040 | | 5.2.0 | R96 | Modification of section 6.2 to enhance IMEI security | revised | C | | Numbering, Addressing and Identification | N2 |
| NP-000176 | 03.03 | A040 | 1 | 5.2.0 | R96 | Modification of section 6.2 to enhance IMEI security | approved | C | 5.3.0 | Numbering, Addressing and Identification | N2 |
| NP-000076 | 03.03 | A041 | | 4.9.0 | Ph2 | Modification of section 6.2 to enhance IMEI security | revised | C | | Numbering, Addressing and Identification | N2 |
| NP-000175 | 03.03 | A041 | 1 | 4.9.0 | Ph2 | Modification of section 6.2 to enhance IMEI security | approved | C | 4.10.0 | Numbering, Addressing and Identification | N2 |
| NP-000078 | 03.08 | A030 | | 7.2.0 | R98 | Correction of LSA Information | approved | F | 7.3.0 | Organization of Subscriber Data | N2 |
| NP-000067 | 03.08 | A031 | 1 | 6.3.0 | R97 | Addition of PDP Context Identifier | approved | F | 6.4.0 | Organization of Subscriber Data | N2 |
| NP-000067 | 03.08 | A032 | 1 | 7.2.0 | R98 | Addition of PDP Context Identifier | approved | A | 7.3.0 | Organization of Subscriber Data | N2 |
| NP-000078 | 03.16 | A040 | | 7.2.0 | R98 | Correction of LSA Information | approved | F | 7.3.0 | Subscriber Data Management | N2 |
| NP-000064 | 03.18 | A057 | | 6.5.0 | R97 | Correction of CF notification | approved | F | 6.6.0 | Basic Call Handling | N2 |
| NP-000064 | 03.18 | A058 | | 7.2.0 | R98 | Correction of CF notification | approved | A | 7.3.0 | Basic Call Handling | N2 |
| TP-000023 | 03.41 | A060 | | 7.2.0 | R98 | Addition of LCS message identifier to support GPS Navigation message | approved | B | 7.3.0 | Technical Realization of Short Message Service Cell Broadcast (SMSCB) | T2 |
| TP-000023 | 03.57 | A002 | 1 | 7.1.0 | R98 | Chapter 8 restructuring (Corrections MExE release 98, chapter 8) | approved | F | 7.2.0 | Mobile Station Application Execution Environment (MExE); Functional description; Stage 2 | T2 |
| TP-000023 | 03.57 | A003 | | 7.1.0 | R98 | Corrections to WAP chapters | approved | F | 7.2.0 | Mobile Station Application Execution Environment (MExE); Functional description; Stage 2 | T2 |

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| SP-000086 | 03.60 | A183 | | 7.3.0 | R98 | Removal of the description of the cell reselection algorithm | approved | F | 7.4.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 03.60 | A184 | | 6.6.0 | R97 | Removal of the description of the cell reselection algorithm | approved | F | 6.7.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| SP-000086 | 03.60 | A185 | | 7.3.0 | R98 | Extension of Maximum N-PDU size in case of PDP type = PPP | approved | F | 7.4.0 | General Packet Radio Service (GPRS) Service description; Stage 2 | S2 |
| NP-000072 | 03.66 | A014 | 2 | 7.2.0 | R98 | Results of Public Enquiry 9953 | approved | D | 7.3.0 | Support of GSM Mobile Number Portability (MNP) stage 2 | N2 |
| | 03.67 | A004 | | 6.0.0 | R97 | Cause pre-emption removed from HOLD message. | | F | 6.1.0 | Enhanced Multi-Level Precedence and Preemption Service (EMLPP) - Stage 2 | NS |
| | 03.67 | A005 | | 7.0.0 | R98 | Cause pre-emption removed from HOLD message. | | A | 7.1.0 | Enhanced Multi-Level Precedence and Preemption Service (EMLPP) - Stage 2 | NS |
| NP-000089 | 03.68 | A014 | | 6.1.0 | R97 | VGCS Signalling Flows | approved | F | 6.2.0 | Voice Group Call Service (VGCS) - Stage 2 | N1 |
| NP-000089 | 03.68 | A015 | | 6.1.0 | R97 | Data Flow for Fast Call setup | approved | F | 6.2.0 | Voice Group Call Service (VGCS) - Stage 2 | N1 |
| NP-000089 | 03.68 | A016 | | 7.0.0 | R98 | VGCS Signalling Flows | approved | A | 7.1.0 | Voice Group Call Service (VGCS) - Stage 2 | N1 |
| NP-000089 | 03.68 | A017 | | 8.0.0 | R99 | VGCS Signalling Flows | approved | A | 8.1.0 | Voice Group Call Service (VGCS) - Stage 2 | N1 |
| NP-000089 | 03.68 | A018 | | 7.0.0 | R98 | Data Flow for Fast Call setup | approved | A | 7.1.0 | Voice Group Call Service (VGCS) - Stage 2 | N1 |
| NP-000089 | 03.68 | A019 | | 8.0.0 | R99 | Data Flow for Fast Call setup | approved | A | 8.1.0 | Voice Group Call Service (VGCS) - Stage 2 | N1 |
| NP-000167 | 03.68 | A020 | | 6.1.0 | R97 | Recommendation to use DTMF tones for VGCS talking subscriber downlink un-muting | approved | F | 6.2.0 | Voice Group Call Service (VGCS) - Stage 2 | N1 |
| NP-000167 | 03.68 | A021 | | 7.1.0 | R98 | Recommendation to use DTMF tones for VGCS talking subscriber downlink un-muting | approved | A | 7.2.0 | Voice Group Call Service (VGCS) - Stage 2 | N1 |
| NP-000167 | 03.68 | A022 | | 8.0.0 | R99 | Recommendation to use DTMF tones for VGCS talking subscriber downlink un-muting | approved | A | 8.1.0 | Voice Group Call Service (VGCS) - Stage 2 | N1 |
| NP-000089 | 03.69 | A013 | | 6.1.0 | R97 | Data Flow for Fast Call setup | approved | F | 6.2.0 | Voice Broadcast service (VBS) - Stage 2 | N1 |
| NP-000089 | 03.69 | A014 | | 7.0.0 | R98 | Data Flow for Fast Call setup | approved | A | 7.1.0 | Voice Broadcast service (VBS) - Stage 2 | N1 |
| NP-000089 | 03.69 | A015 | | 8.0.0 | R99 | Data Flow for Fast Call setup | approved | A | 8.1.0 | Voice Broadcast service (VBS) - Stage 2 | N1 |
| NP-000064 | 03.79 | A024 | | 6.2.0 | R97 | Correction of CF notification | approved | F | 6.3.0 | Support of Optimal Routing phase 1 (stage 2) | N2 |
| NP-000064 | 03.79 | A025 | | 7.2.0 | R98 | Correction of CF notification | approved | A | 7.3.0 | Support of Optimal Routing phase 1 (stage 2) | N2 |
| NP-000089 | 04.08 | A1001 | | 6.8.0 | R97 | Addition of cause value #25 'Pre-emption' | approved | F | 6.9.0 | Mobile Radio Interface - Layer 3 Specification | N1 |
| NP-000091 | 04.08 | A1003 | | 6.8.0 | R97 | GPRS detach type corrections | approved | F | 6.9.0 | Mobile Radio Interface - Layer 3 Specification | N1 |

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| NP-000089 | 04.08 | A1005 | | 7.5.0 | R98 | Addition of cause value #25 'Pre-emption' | approved | A | 7.6.0 | Mobile Radio Interface - Layer 3 Specification | N1 |
| NP-000091 | 04.08 | A1007 | | 7.5.0 | R98 | GPRS detach type corrections | approved | A | 7.6.0 | Mobile Radio Interface - Layer 3 Specification | N1 |
| NP-000130 | 04.08 | A1009 | | 5.14.0 | R96 | Moving NOTIFICATION RESPONSE from MM to GSM RR | approved | F | 5.15.0 | Mobile Radio Interface - Layer 3 Specification | N1 |
| NP-000130 | 04.08 | A1011 | | 6.8.0 | R97 | Moving NOTIFICATION RESPONSE from MM to GSM RR | approved | A | 6.9.0 | Mobile Radio Interface - Layer 3 Specification | N1 |
| NP-000130 | 04.08 | A1013 | | 7.5.0 | R98 | Moving NOTIFICATION RESPONSE from MM to GSM RR | approved | A | 7.6.0 | Mobile Radio Interface - Layer 3 Specification | N1 |
| NP-000097 | 04.08 | A947 | 2 | 5.14.0 | R96 | Clarification of NITZ time stamp coding | approved | F | 5.15.0 | Mobile Radio Interface - Layer 3 Specification | N1 |
| NP-000097 | 04.08 | A949 | 1 | 6.8.0 | R97 | Clarification of NITZ time stamp coding | approved | A | 6.9.0 | Mobile Radio Interface - Layer 3 Specification | N1 |
| NP-000097 | 04.08 | A951 | 1 | 7.5.0 | R98 | Clarification of NITZ time stamp coding | approved | A | 7.6.0 | Mobile Radio Interface - Layer 3 Specification | N1 |
| NP-000091 | 04.08 | A953 | | 6.8.0 | R97 | Removal of APN from REQUEST PDP CONTEXT ACTIVATION REJECT message | approved | F | 6.9.0 | Mobile Radio Interface - Layer 3 Specification | N1 |
| NP-000091 | 04.08 | A955 | | 7.5.0 | R98 | Removal of APN from REQUEST PDP CONTEXT ACTIVATION REJECT message | approved | A | 7.6.0 | Mobile Radio Interface - Layer 3 Specification | N1 |
| NP-000091 | 04.08 | A957 | 2 | 6.8.0 | R97 | Correction of N-PDU IE Length in GMM messages Routing Area Update Accept and Routing Area Update Complete. | approved | F | 6.9.0 | Mobile Radio Interface - Layer 3 Specification | N1 |
| NP-000091 | 04.08 | A959 | 1 | 7.5.0 | R98 | Correction of N-PDU IE Length in GMM messages Routing Area Update Accept and Routing Area Update Complete. | approved | A | 7.6.0 | Mobile Radio Interface - Layer 3 Specification | N1 |
| NP-000091 | 04.08 | A961 | 2 | 6.8.0 | R97 | Usage of Combined Procedures during CM service reject | approved | F | 6.9.0 | Mobile Radio Interface - Layer 3 Specification | N1 |
| NP-000091 | 04.08 | A963 | 1 | 7.5.0 | R98 | Usage of Combined Procedures during CM service reject | approved | A | 7.6.0 | Mobile Radio Interface - Layer 3 Specification | N1 |
| NP-000091 | 04.08 | A973 | 1 | 6.8.0 | R97 | Clarification to the MS handling when receiving detach type 'IMSI detach' | approved | F | 6.9.0 | Mobile Radio Interface - Layer 3 Specification | N1 |
| NP-000091 | 04.08 | A975 | 1 | 7.5.0 | R98 | Clarification to the MS handling when receiving detach type 'IMSI detach' | approved | A | 7.6.0 | Mobile Radio Interface - Layer 3 Specification | N1 |
| NP-000094 | 04.08 | A985 | | 6.8.0 | R97 | Explanation of octets in MS Classmark 1 IE (R97) | approved | F | 6.9.0 | Mobile Radio Interface - Layer 3 Specification | N1 |
| NP-000094 | 04.08 | A987 | | 7.5.0 | R98 | Explanation of octets in MS Classmark 1 IE (R98) | approved | A | 7.6.0 | Mobile Radio Interface - Layer 3 Specification | N1 |
| NP-000089 | 04.68 | A021 | | 5.4.1 | R96 | Addition of cause values | approved | F | 5.5.0 | Group Call Control (GCC) Protocol | N1 |
| NP-000089 | 04.68 | A022 | | 6.2.0 | R97 | Addition of cause values | approved | A | 6.3.0 | Group Call Control (GCC) Protocol | N1 |
| NP-000089 | 04.68 | A023 | | 7.1.0 | R98 | Addition of cause values | approved | A | 7.2.0 | Group Call Control (GCC) Protocol | N1 |
| NP-000089 | 04.68 | A024 | | 8.0.0 | R99 | Addition of cause values | approved | A | 8.1.0 | Group Call Control (GCC) Protocol | N1 |
| NP-000089 | 04.69 | A018 | | 5.4.0 | R96 | Addition of cause values | approved | F | 5.5.0 | Broadcast Call Control (BCC) protocol | N1 |
| NP-000089 | 04.69 | A019 | | 6.2.0 | R97 | Addition of cause values | approved | A | 6.3.0 | Broadcast Call Control (BCC) protocol | N1 |

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| NP-000089 | 04.69 | A020 | | 7.1.0 | R98 | Addition of cause values | approved | A | 7.2.0 | Broadcast Call Control (BCC) protocol | N1 |
| NP-000089 | 04.69 | A021 | | 8.0.0 | R99 | Addition of cause values | approved | A | 8.1.0 | Broadcast Call Control (BCC) protocol | N1 |
| NP-000027 | 04.80 | A016 | 1 | 7.1.0 | R98 | Correction to Location Notification Type and LCS-MOLR errors | | F | 7.2.0 | Mobile Radio Interface Layer 3 - Supplementary Services Specification Formats and Coding | NS |
| SP-000025 | 06.73 | A021 | | 7.3.0 | R98 | Avoidance of pulse cancellation in FCB excitation | approved | F | 7.4.0 | ANSI-C code for the GSM Adaptive Multi Rate (AMR) speech codec | S4 |
| SP-000025 | 06.75 | A002 | | 7.1.0 | R98 | Threshold and Hysteresis for Exp. 4a and 4b | approved | D | 7.2.0 | AMR performan characterisation | S4 |
| SP-000025 | 06.75 | A003 | | 7.1.0 | R98 | Introduction of Annex D (AMR Performances as a function of FER/RBER) | approved | D | 7.2.0 | AMR performan characterisation | S4 |
| SP-000026 | 08.62 | A002 | 1 | 7.0.0 | R98 | TFO Message Extensibility | approved | C | 7.1.0 | Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3 | S4 |
| NP-000078 | 09.02 | A281 | | 7.3.1 | R98 | Correction of LSA Information | approved | F | 7.4.0 | Mobile Application Part (MAP) Specification | N2 |
| NP-000071 | 09.02 | A282 | | 7.3.1 | R98 | Correction of SS codes for LCS | approved | F | 7.4.0 | Mobile Application Part (MAP) Specification | N2 |
| NP-000063 | 09.02 | A283 | | 6.6.1 | R97 | Priorisation of MAP application context related to VGCS/VBS | approved | F | 6.7.0 | Mobile Application Part (MAP) Specification | N2 |
| NP-000063 | 09.02 | A284 | | 7.3.1 | R98 | Priorisation of MAP application context related to VGCS/VBS | approved | A | 7.4.0 | Mobile Application Part (MAP) Specification | N2 |
| NP-000071 | 09.02 | A285 | | 7.3.1 | R98 | Privacy notification/verification for call related privacy class | approved | A | 7.4.0 | Mobile Application Part (MAP) Specification | N2 |
| NP-000091 | 09.18 | A043 | | 6.5.0 | R97 | Correction of Gs Cause | approved | F | 6.6.0 | General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification | N1 |
| NP-000091 | 09.18 | A044 | | 7.2.0 | R98 | Correction of Gs Cause | approved | F | 7.3.0 | General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification | N1 |
| NP-000067 | 09.60 | A080 | | 6.6.0 | R97 | Clarification of Repeated Information Element Ordering | approved | D | 6.7.0 | General Packet Radio Service (GPRS); GPRS Tunnelling Protocol GPT) across the Gn and Gp Interface | N2 |
| NP-000067 | 09.60 | A081 | | 7.3.0 | R98 | Clarification of Repeated Information Element Ordering | approved | D | 7.3.0 | General Packet Radio Service (GPRS); GPRS Tunnelling Protocol GPT) across the Gn and Gp Interface | N2 |

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| NO-000074 | 09.60 | A082 | 2 | 7.3.0 | R98 | Use of 3 Digit MNCs in GTP for R'98 | approved | F | 7.3.0 | General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp Interface | N2 |
| SP-000017 | 12.15 | A018 | | 7.4.0 | R98 | IP v6 support GTP' | approved | F | 7.5.0 | General Packet Radio Service (GPRS); GPRS Charging | S5 |
| SP-000017 | 12.15 | A019 | 1 | 7.4.0 | R98 | GTP' header length fix | rejected | F | | General Packet Radio Service (GPRS); GPRS Charging | S5 |