Technical Specification Group Services and System Aspects
Meeting #8, Düsseldorf, Germany, 26-28 June 2000 ***Draft report***

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1 Opening of the meeting

The meeting was opened by the TSG SA Chairman, Mr. Niels Peter Skov Andersen, who welcomed delegates to Dusseldorf. The meeting was hosted by Mannesmann and T-Mobil, and Mr. Helmut Hoffmann, Mannesmann Chief Technical Officer, gave a welcoming address on behalf of Mannesmann. He stressed the importance of both speed and quality in the work of 3GPP technical groups and wished the project good luck for the meeting.

2 Approval of the Agenda

The TSG SA Chairman indicated that when reviewing Meeting #7, the meeting time had been fairly shared across the agenda, however the overall impression by delegates had been that, especially the last day, delegates had felt overloaded, which was probably due to the fact that over 40% of the meeting time had been on the last day. Also the TSG SA Chairman considered that room for more off-line time was needed to ensure that more complex issues can be discussed and further considered outside the meeting room before decisions are made. On this background, 4 day meetings were proposed for the future (from September 2000). It is expected that an early finish on the last day would then be possible (early afternoon).

The objectives of this meeting were to complete the Release 1999 work, and to freeze the Release 2000 requirements and some of the architecture, including the IP version and call control model to be used. Discussions on after Release 2000 are also planned. The planning of the Release mechanism also needed to be discussed and agreed at the meeting.

The agenda followed the same outline as at previous meetings. A new agenda item, 4, Items for immediate consideration had been added to allow early discussion of issues which may impact upon other agenda item discussions. The IGC report had also been separated from the SA WG2 reporting.

The draft agenda, provided in TD SP-000180 was approved.

3 Approval of the meeting report of TSG-SA Meeting # 7

The report of the previous meeting, provided in TD SP-000181 was approved without change.

The approved report, (updated to version 1.0.0) was provided on the 3GPP FTP server ftp.3gpp.org/xxxx.

4 Items for immediate consideration

TD SP-000276 Release 2000 Scope and Timescales. This was presented by BT. The document aims to focus on the scope of Release 2000 and timescales for it's production. The document proposed that TSG SA consider what can be achieved for Release 2000 and a realistic time scale for the completion of this. It was suggested that this be considered as a framework for debate later in the meeting, after reports from the other TSGs had been received. The SA WG1 Chairman agreed that this planning was necessary but wanted to avoid over-ambitious time scale publication, which could result in too early approval of unstable work, leading to large amounts of corrective work via Change Requests.

It was commented that the use of Release 1999, Release 2000 would produce the impression that there would be yearly releases, which could result in little functional differences between the Releases, and reduced value of implementation.

A model to allow longer term work items is needed, which will also allow simpler, short term, work items to be included, so that important work items did not have to wait for a long period before being made available.

A proposal to more closely couple the work of SA WG1 and SA WG2 was made in order to provide a longer-term co-ordinated planning of requirements and architecture.

Further discussion on the proposals given in TD SP-000276 was expected during the rest of the meeting, and off-line discussion on this was encouraged.

5 Letters / Reports from other groups

5.1 TSG-T, TSG-CN, TSG-RAN

TD SP-000218 Liaison Statement from RAN WG2 to SA WG3 (cc SA) on Security issues. RAN WG had made a review of the security work, and found some areas where work was not aligned. The liaison asks for close co-operation between the groups and was copied to TSG SA for information, in order to have an early discussion with the SA WG3 Chairman at the meeting. The document was noted by TSG SA and SA WG3 were asked to deal with the detail of the liaison. The e-mail reflector was encouraged as a media for early discussion of liaisons.

5.2 Partners and their bodies

TD SP-000266 Stability of 3GPP Releases. This was provided by the GSM Association and highlights the importance of the production of a stable specification set. Stable releases based on major content were considered more important than calendar-based Releases. Pacific Bell supported the principles of the contribution but believed that the work planning for releases would need more consideration.

The TSG CN Chairman stated that functional changes between Releases (using the R.x steps proposed in the contribution) would need to be limited in order to keep protocols stable for a given Release.

NTT DoCoMo also supported the principles in the contribution, and agreed that the step changes between releases required further discussion.

The SA WG1 Chairman reported the GSM experience on Phased Releases not tied to years. The step release mechanism could be yearly, for example, or half-yearly.

All the points provided needed consideration. The GSM experience was to stabilise one Release before starting on the detailed specification of the next Release. The current Release mechanism of 3GPP leads to postponement of new Work Items to the next Release instead of planning exactly what can be included in good time for a current Release. Longer term planning is also needed in order to provide a target end date for a Release, rather than leaving it open ended. Again, this subject was considered in need of off-line discussions, in order to come to some more concrete agreements nearer the end of the meeting. A drafting group was proposed to take into account both discussions in the meeting and off-line discussions.

TD SP-000295 Communication from ETSI Digital Video Broadcast (DVB) Project. This was provided for discussion, and will also be discussed in the PCG meeting. The contribution proposes to establish a liaison between the DVB Project and 3GPP. The SA WG1 Chairman invited the GSM Association SERG to consider this contribution and make contributions to SA WG1. It was agreed that some time is needed for companies to consider the commercial benefits of working with the DVB Project and a response could be provided later.

The ETSI Director-General requested that the liaison offer should be considered seriously, in light of the success of the DVB Project within ETSI. It was agreed that SA WG1 should consider the proposal and co-ordinate discussions in order to report back to TSG SA, before an assessment of the interest of the 3GPP members could be made and a decision reached. It was considered that there could be an advantage to integrated systems, rather than an add-on and liaison would benefit the achievement of this.

TD SP-000217 PLMN search and access technology lists. This was provided by "New SMG9". The storage of PLMN lists on the USIM had been considered by "New SMG9" and a common smart card platform for multiple technologies is sought and inter-system roaming is an important issue for this. They propose to hold a meeting in the first week of August to discuss the issues. However, it was concluded in TSG SA that outstanding 3G/GSM issues should be resolved first, before involving groups outside of 3GPP. Such discussions should involve SA WG1 and CN WG1 as well as some of the RAN WGs and some SMG groups. The TSG SA Chairman agreed to discuss with the "New SMG9" Chairman to see how this could be arranged and when such a meeting should take place, since early August would probably be unsuitable due to the holiday season.

TD SP-000220 Liaison to 3GPPTSG SA regarding the new ANF to performance parameters. This liaison was provided by ETSI TC STQ. The referenced document was not attached and was provided later in TD SP-000334 SA WG4 were asked to consider this at their next meetings.

TD SP-000315 Report from the UMTS Forum. Mr. A Watson, UMTS Forum, presented the achievements and work of the UMTS Forum. The main work in recent months had been the support of the IMT 2000 interests in WRC 2000, which was reported separately in TD SP-000257. The report was noted.

TD SP-000339 (revision of TD SP-000256): Report on the IMT-2000 results at WRC-2000. This report was presented by Mr. K. Björnsö, UMTS Forum WRC representative. There were a number of questions for clarification on this interesting development of the allocation of frequencies to IMT-2000 use, and delegates are encouraged to consider the report. The report was noted.

5.3 Others

TD SP-000221 MPEG-4 Conformance points in 3GPP-324M. The TSG SA Chairman introduced the liaison, in the absence of an MPEG-4 representative at the meeting. It was noted that the changes to the MPEG-4 conformance points were introduced by SA WG4 and were considered to be relatively minor. The SA WG4 Chairman reported that ISO would be asked by SA WG4 to produce a MPEG-4 level 0 in order to facilitate terminal implementation. TSG SA noted the contribution and SA WG4 was asked to consider this contribution at their next meeting.

TD SP-000294 Communication from ITU. The PCG Chairman introduced this contribution which requests an improvement to the co-operation between ITU-T and 3GPP. The ITU-T propose that a simplified set of procedures for communication between the Groups is produced, and the 3GPP Partners have been asked to agree this. TSG SA was asked to consider and comment upon the contribution. This had been discussed in TSG CN and the TSG CN Chairman reported that an optimised communications channel would be welcomed and that a joint ad-hoc group may be a solution. This would be reported under agenda item 7.

TD SP-000311 Liaison Statement from TSG RAN on interworking of low chip rate TDD with GSM, high chip rate TDD and FDD. This liaison reports that TSG RAN have started work on low chip rate TDD to allow interworking with GSM, high chip rate TDD and FDD. TSG SA was requested to include these requirements in their relevant specifications and ETSI SMG2 / GERAN are asked to include interworking with low chip rate TDD in their specifications. The reason for, and benefits of, the introduction of low chip rate TDD was questioned. The low chip rate would allow bandwidth savings and was proposed by CWTS members. The support of TDD globally needs to be economical to implement and this proposal was made to facilitate this. TSG SA noted the liaison and understood that the work was ongoing in TSG RAN and SA WG1 should consider the liaison at their meeting.

6 Reports from TSG-SA Working Groups

6.1 TSG-SA WG1

6.1.1 Report from TSG-SA WG1 and review of progress

TD SP-000191 Status report from SA WG1 to TSG SA. This was presented by the SA WG1 Chairman, using presentation slides provided in TD SP-000190. SA WG1 had concentrated on tidying up Release 1999 work and preparing their Release 2000 service requirement work. The report was noted.

6.1.2 Questions for advice from TSG-SA WG1

No documents were presented to the meeting.

6.1.3 Approval of contributions from TSG-SA WG1

Change requests for approval:

NOTE: During the course of the approval of CRs, it was discovered that an error in the PDF files occurred if text was added with revision marks and then deleted again, where the deletion (stikeout) was not shown in the PDF version. The word versions were then designated as the master reference documents. This problem should be investigated by MCC to resolve the problem.

TD SP-000192 CRs to TS 22.002: Bearer Services Supported by a PLMN. These CRs were approved.

TD SP-000193 CR to TS 22.011: Access Control Classes & Network Selection (Release 1999). It was noted that the category should be C and that the version was 3.2.0, which would produce version 3.3.0 when implemented (rather than version 3.3.3 as indicated on the cover table). The need for this functionality in Release 1999 was questioned, as acceptance of a functional change at this stage should be seriously considered. It was reported that T WG3 have approved equivalent CRs on the condition that the SA WG1 CRs are approved. Impacts on CN specifications were not clear and no CRs had been approved in TSG CN on this. After some off-line discussion it was found that the current specification is clear on this point and there is no significant consequence of not accepting the CR for Release 99. Therefore the CR could not be justified for Release 1999 and it was decided to withdraw this CR. The feature may be considered for Release 2000.

TD SP-000194 CRs to GSM 02.16 and TS 22.016: International Mobile Equipment Identities (IMEI). All CRs **except CR005 to 22.016** were approved.

TD SP-000195 CRs to 22.016: International Mobile Equipment Identities (IMEI). This CR was approved.

TD SP-000196 CR to 22.038: SIM Application Toolkit. This CR was approved.

TD SP-000197 CR to 22.060: GPRS. These CRs were approved as category "F". It was noted that this feature does not apply to R97 as it does not exist in R97.

TD SP-000198 CRs to 22.078: CAMEL. It was noted that corrective CRs should be category "F" rather than category "D". These CRs were approved as category "F" CRs.

TD SP-000199 CRs to 22.081: Calling Line Identity. Some discussion on the inclusion of this functionality in Release 1999 occurred, and the impact on other specifications was unclear. These CRs were approved. The Chairman strongly encouraged that groups investigate the possible side-effects of changes to Release 1999 before presenting them for TSG approval in order to preserve stability of the specification set.

TD SP-000200 CR to 22.101: Emergency Calls. This CR was approved. It was noted that the item had not been flagged in the open issues at the previous TSG SA meeting, although the issue has been discussed for some time in SA WG1. Similar issues in the future should be included in the open items list for Release 2000.

TD SP-000201 CR to 22.101: H.324M support for CS multimedia. This CR was approved as Category "F".

TD SP-000202 CRs to 22.101: on USIM selection. This CR was approved.

TD SP-000203 CRs to 22.105: Services & Service capabilities.

> CR024: The delay figures (400ms) were unclear as to whether they were one-way delay or round-trip delay. It was clarified that the figures were for round-trip delay. A revision of the CR was made to clarify this and provided in TD SP-000352. This revised CR024R1 was approved noting that the source was TSG SA.
> CR025 was approved.

TD SP-000204 CRs to 22.121: VHE. These CRs were approved as category "F".

TD SP-000205: CRs to 22.135 Multicall. These CRs were approved as category "F".

TD SP-000206:CRs to 22.043 SoLSA. These CRs were approved.

TD SP-000207: CR to 22.066 Support of Mobile Number Portability. This CR was approved.

TD SP-000208: CR to 22.140 Multimedia Messaging Service. This CR was approved.

TD SP-000209: CR to 21.905: 3G Vocabulary. This CR was approved as category F.

TD SP-000210 CRs to 22.101: PLMN selection (Release 2000). It was noted that the category of these CRs should be "F". These CRs were approved as category "F".

TD SP-000211: CRs to 22.011: PLMN selection (Release 2000). This CR was approved.

TD SP-000212: CR to 22.071: Location Services (Release 2000). This CR was approved.

TD SP-000213: CR to 22.101: Emergency calls (Release 2000). This CR was approved.

TD SP-000214: CR to 22.140: Multimedia Messaging Service (Release 2000). This CR was approved.

Approval of specifications and reports:

TD SP-000215 TR 22.926 version 2.0.0: Release 2000 services and capabilities. This report was presented for approval as Release 2000. Presentation slides, which give an overview of the content of the report were provided in TD SP-000321 and presented by Mr. T. Kokkola, SA WG1 Vice Chairman.

It was suggested that the report was misleading and could misguide the work for Release 2000 and that focus should be on new packet-based Mobile Multimedia services rather than on IP-based support of existing services, and that it concentrated on the implementation of PS domain only networks. Others suggested that the TR be approved and areas, which are in need of update are identified and corrected, after approval, using Change Requests. After some discussion it was considered whether the scope of the report should be modified to provide a longer term vision, rather than the limited vision that it is constrained to (mainly release 2000 considerations). Alternatively, the document could be approved and a new report started upon with a longer term vision.

After further discussion, identifying one of the main problems as a lack of separation between requirements and architectural issues, it was concluded that much more work is needed on the TR. A drafting group set-up to provide some guidance based on the comments provided TD SP-000337. This document was approved as guidance for reading TR 22.976 and as a Roadmap and Vision for 3GPP on migration towards “All-IP”. All 3GPP WGs were asked to use this vision in planning their future work. SA WG1 was specifically asked to take this into account in their services work and/or for any revisions which may be required to TR 22.926. The technical report was then noted

New work items:

TD SP-000216 Work Item Descriptions for Release 2000.

SoLSA: (S1-000278) There was only one supporting company on the Work Item description sheet (Nokia). This was not approved, but could be revisited if support for the work is found.

Support of IP MM: (S1-000299) This work item description was approved.

Global Text Telephony: (S1-000381 - agreed revision of S1-000337) This work item description had been further modified by SA WG2 and presented for approval in TD SP-000290. This was considered and the WI description in S3-000381 was withdrawn in favour of the SA WG2 WI description in TD SP-00290, which was approved (see 6.2.3). SA WG2 were agreed as owners of this WI.

Bearer Modification without Pre-notification: (S1-000354) This work item was approved as a Feature (to be confirmed).

Scope of VHE R00: (S3-000446) Due to some requests for clarity on the scope of this WI, interested parties were asked to redraft the description for approval later in the meeting. It was decided at the group that this issue would be returned to SA WG1 for discussion. The work item was not approved at this time.

Scope of Open Service Provision: (S3-000447) The inclusion in R00 needed to be checked to verify that it is realistic. Interested parties were asked to discuss and consider redrafting the description for approval later in the meeting. The discussion resulted in no change to the proposal, and it was then approved.

6.2 TSG-SA WG2

6.2.1 Report from TSG-SA WG2 and review of progress

TD SP-000281 Report from SA WG2 Chairman to TSG SA. The report was presented by the SA WG2 Chairman. The report outlined the progress on Release 1999 and Release 2000 and proposes some CRs for approval.

The SA WG2 chairman reported the SA WG2 discussion and conclusion on IP versions to be used for future releases, and asked for approval by TSG SA of the following recommendation:

- Both IPv4 / IPv6 can be supported for IP transport between RNC, SGSN and GGSN and IP transport for the CS Domain (no change from R99).
- The R00 IM CN subsystem shall exclusively support IPv6 and the R00 UE shall exclusively support IPv6 for the connection to R00 IM services, but the exact set of IPv6 functions (such as IPSec, IP multicast etc.), that will be mandated in Release 2000 standards is for further study.
- The UE shall be able to access IPv4 and IPv6 based services (as to support existing data services on Intranet, Internet, etc.).

In the following discussion concern was expressed about the exclusive support of IPv6 in the CN for connection to IM services, especially regarding the interworking with IPv4 services external to the #GPP IM subsystem. The concerns expressed over the use of IPv6 exclusively in the CN for the IM subsystem were noted and the SA WG2 recommendation including the use of IPv6 was accepted as a working assumption. SA WG2 were asked to consider and ensure the interoperability of IPv6 CNs with other IP networks (including IPv4 networks).

Regarding Multimedia Call Control Model SA WG2 recommended that:

- The single protocol applied between the UE and CSCF (over the Gm reference point) within the R00 architecture will be based on SIP (as defined by RFC 2543, other relevant RFC's, and additional 3GPP enhancements).

This recommendation was approved as a working assumption.

The above mentioned recommendation and other conclusions by SA WG2 for Release 2000 were included in TR 23.821 version 1.0.0 (TD SP-000287).

The schedule is for 80% completion by end September 2000 and 100% by end December 2000 (this is a 3 months slip on the previous schedule reported to TSG SA).

It was reported that a workshop on SIP issues with CN WG1 is planned in August 2000 and it is planned to transfer the MSC-server work to CN after this. SA WG2 are keen to transfer work to other groups as soon as possible, but only after it is considered stable enough for work to continue in those groups. The concerns raised on the work in SA WG2 being too detailed were noted, and this should be resolved between the SA WG2 and CN WG1 Chairman.

The report was noted.

6.2.2 Questions for advice from TSG-SA WG2

No documents were presented to the meeting.

6.2.3 Approval of contributions from TSG-SA WG2

TR 23.821 version 1.0.0 was provided for information and noted. Feedback should be forwarded to SA WG2.

Approval of work items:

TD SP-000288 Revised WI: Enable bearer independent circuit-switched network architecture (the previous version was provided in SP-000106). This was revised to update the timing to be in line with the current schedule. This update was approved.

TD SP-000289: Revised WI: An architecture for Call control and roaming to support IP-based multimedia services in UMTS. This was revised to update the timing to be in line with the current schedule. This update was approved.

TD SP-000290 Global Text Telephony: This work item was approved. the owner of the WI needed further clarification, as both SA WG1 and SA WG2 presented it for approval. It was decided that the owner of the WI was SA WG2.

TD SP-000291: Proposed WI: A feasibility study of an architecture for network requested PDP context activation with User-ID. This WI was approved. It was noted, that a work item can not dictate the technology availability.

TD SP-000292: Proposed WI: Support of Location Services in UMTS, System and Core Network aspects. This WI was approved.

TD SP-000293: Proposed WI: Transport and control separation in the PS CN domain. This WI was approved. It was noted that any new work undertaken by SA WG2 would burden the physical resources of SA WG2 and it was requested that this feasibility study should not be given high priority. The SA WG2 Chairman reported that the work on feasibility studies was mainly performed outside of the meetings and therefore not significantly increasing the workload of the SA WG2 plenary meetings.

Approval of Change requests:

TD SP-000332 (revision of TD SP-000282) CRs to 23.060: These CRs were approved as category "F".

TD SP-000283: CR to 03.32. This is a shadow CR to an approved CR in 23.032. This CR was approved.

TD SP-000284: CRs to 03.71 and 23.171. These CRs were approved.

TD SP-000285: CR to 23.107. This CR was approved.

TD SP-000286: CRs to 23.127. These CRs were approved as category "F".

6.3 TSG-SA WG3

6.3.1 Report from TSG-SA WG3 and review of progress

TD SP-000267 Status report from SA WG3 to TSG SA. The SA WG3 Chairman presented the report, documents TD SP-00268, SP-000269 and SP-000270 (reports of SA WG3 meetings 11-13) were provided for information. It was reported that the confidentiality and integrity algorithm specification had been completed and that publication was awaiting agreement of the 3GPP Partners, which would be discussed in their next meeting in July 2000.

It was clarified that any work needed in RAN would be provided as either a CR (for simple changes) for RAN WG agreement, or by liaison of the requirements for

Clarification on the need for co-operation with AHAG was requested. The SA WG3 Chairman explained that co-operation on the authentication algorithm between 3GPP and 3GPP2 facilitates interoperation of the systems and helps to unify the security architectures of the systems. The report was noted.

6.3.2 Questions for advice from TSG-SA WG3

No documents were presented to the meeting.

6.3.3 Approval of contributions from TSG-SA WG3

Approval of work items:

TD SP-000296: Access security for IP multimedia services. This WI was approved.

TD SP-000297: Network based end-to-end security. This WI was approved. SA WG3 were asked to reconsider the schedule to check that completion is realistic for Release 2000 after work is started. The final decision on the target Release will be decided later, depending upon progress of the work.

TD SP-000298: User plane security. This WI was approved.

TD SP-000299: MAP application layer protection. This WI was approved.

TD SP-000300: Core network security. This WI was approved.

TD SP-000301: Key management for core network security. This WI was approved.

TD SP-000302: OSA security. This WI was approved.

TD SP-000303: MExE security. This WI was approved.

TD SP-000304: FIGs. This WI was approved.

TD SP-000305: Visibility and configurability of security. This WI was approved. It was clarified that the work was applicable to both PS and CS domains.

TD SP-000306: Evolution of CS algorithms (A5/3 development and deployment). This WI was approved.

TD SP-000307: Evolution of PS algorithms (GEA2 deployment). This WI was approved.

TD SP-000308: GERAN security. This WI was approved.

TD SP-000309: Lawful interception architecture. This WI was approved. (The schedule need checking)

TD SP-000310: General security enhancements. This WI was approved.

NOTE: The work items should be updated to include a minimum of 4 supporting companies and forwarded to the next TSG SA meeting.

Approval of Change requests:

TD SP-000271: 5 Miscellaneous Release 1999 CRs to 33.102, 22.022, 33.103 and 33.105. These CRs were approved. 22.022 CR002 was approved as category "F".

TD SP-000272: 11 Corrective Release 1999 CRs to 33.102 v 3.4.0. These CRs were approved except 33.102 CR 095: Emergency call procedures, which was deferred in order to check the impact on emergency call integrity check on CN specifications. A drafting group was formed to discuss this.

It was reported that CN WG1 had approved Emergency Call CRs which were not completely aligned, and the CN WG1 Chairman had indicated that it would not be difficult to align the CN WG1 specifications.

The results of the drafting group was provided in TD S3-000349 which contained 33.102 CR095 Rev 1. The TSG CN Chairman reported that if the network detects an integrity check failure, the mobile decides whether to reject the call. The necessary CRs could be produced in CN WG1 to accommodate this, **if** the CR was approved by TSG SA.

A definition of the action on Mobile rejection of the call was thought to be needed. Clarification over the section numbering for this addition and the full requirement is needed. There were specific Individual Member objections to the mandatory abortion of emergency calls as it was described in the CR. It was

decided not to approve this CR and SA WG3 were asked to take the comments about the CR into account and to clarify the procedures when the integrity check fails. SA WG3 were asked to co-ordinate the CR with CN WG1 and SA WG1 in order to have all CRs presented to the next TSG Meetings.

TD SP-000273: 4 Corrective Release 1999 CRs to 33.102 and 33.103 as requested by SA#7. These CRs were approved.

TD SP-000274: 2 Functional Release 1999 CRs to 33.102. These CRs were approved: CR091 was approved as category "F".

It was noted, that the change from UE to ME needs to be checked in CR088R2.

6.4 TSG-SA WG4

6.4.1 Report from TSG-SA WG4 and review of progress

TD SP-000258: Status report from SA WG4 to TSG SA. This was presented by the SA WG4 Chairman. All Release 1999 activities were reported as being completed, except for the AMR characterisation tests. It was also reported that the AMR Wideband Qualification Phase had been completed (see TD SP-000259). Other Release 2000 items are expected to be completed by December 2000. Further, the SA WG4 Chairman, Mr. Alain Ohana reminded TSG SA that he was stepping down as chairman and reported that SA WG4 had elected Mr. Kari Järvinen, Nokia, as the new Chairman of SA WG4. The report was noted.

TD SP-000259: AMR Wideband Qualification Phase Report. This report was presented by the SA WG4 Chairman. The Qualification Phase is the second stage of the 4-stage project for AMR Wideband, following the feasibility study which was completed in 1999. 7 candidates were evaluated (see slide 4 of the presentation) following the performance/environment criteria specified by SA WG4. 3 candidates were found to perform overall equally, each performing their best in different environments. The next Phase, the selection Phase, will continue with 5 candidates (the others had withdrawn, based on the qualification Phase results), which will be funded, including the Characterisation Phase up to 150kEuro per candidate (funded by the candidates). SA WG4 was comfortable that a candidate meeting all performance requirements could be selected based upon the results of the qualification Phase. The report was noted.

The SA WG4 Chairman thanked his SA WG4 delegates and Paulo Usai, MCC Support for their hard work during his term as SA WG4 Chairman. The TSG SA Chairman thanked Alain Ohana for his excellent chairmanship of SA WG4 and wished him good fortune in his future work.

6.4.2 Questions for advice from TSG-SA WG4

No documents were presented to the meeting.

6.4.3 Approval of contributions from TSG-SA WG4

Approval of Specifications / Reports:

TD SP-000260: TS 26.132 v1.0.0 Terminal Acoustic Characteristics for Telephony – Test Requirements (Release 1999). This TS was approved as version 3.0.0 and placed under Change Control in TSG SA.

TD SP-000261: TS 26.104 v1.0.0 ANSI-C code for the Floating-Point AMR Speech Codec (Release 1999) This TS was approved as version 3.0.0 and placed under Change Control in TSG SA.

Approval of Change Requests:

TD SP-000262: 2 CRs on AMR to 06.93 and 26.093. These CRs were approved.

TD SP-000263: 1 CR on TS 26.111: Codec(s) for Circuit Switched Multimedia Telephony Service: Modifications to H.324. This CR was approved.

TD SP-000264: 4 CRs to TS 26.131: Terminal Acoustic Characteristics for Telephony – Requirements. These CRs were approved. 26.131 CR002 was approved as Category "F".

Approval of Work Items:

TD SP-000265: New WI Proposal on Packet Switched Mobile Streaming Application. This WI was approved. Bouygues Telecom will be added to the list of supporting companies. It was suggested that SA WG2 were the lead group for the WI, the SA WG4 Chairman responded that SA WG4 were willing to do the work and send the document to SA WG2 and T WG2 for approval/comment before TSG SA approval. It was identified that streaming services could have impact upon other RAN and T WGs (i.e. optimised or non-transparent streaming applications). The title of the WI was agreed to be "Transparent end-to-end packet switched mobile streaming applications". T WG2 should be indicated as impacted on the WI and co-ordination between SA WG4 and T WG2 should be maintained. The updated work item description was provided in TD S3-000345. A separate WI for optimised streaming applications should be created by SA WG2 with other WGs in supporting roles including RAN WGs, CN WGs, SA WG4 and T WG2.

TD SP-000314: Proposed New Work Item for R2000 - The Standardisation of A Default Video Codec. This proposed WI was presented by BT. The WI was seen as providing support for terminal to terminal services over IP (e.g. videotelephony). The principle of having a default video codec was endorsed and SA WG4 were asked to provide a WI on this.

6.5 TSG-SA WG5

6.5.1 Report from TSG-SA WG5 and review of progress

TD SP-000336 (revision of TD SP-000222): Status report from SA WG5 Chairman to TSG SA. This report was presented by the SA WG5 Chairman. The report was noted. SA WG5 did not foresee any problems with the change to a hexadecimal IMEI, but this may have impacts on support systems (e.g. bar-code systems).

6.5.2 Questions for advice from TSG-SA WG5

SA WG5 requested advice from TSG SA on their plans to accept the 3GPP2 method of creating delta documents to reference 3GPP's management documents. This co-operation was welcomed by TSG SA.

TD SP-000219: Liaison Statement from SA WG5 to T1M1 (cc SA) GSM LCS O&M project management (GSM 12.71). This liaison was copied to TSG SA for information and was noted.

6.5.3 Approval of contributions from TSG-SA WG5

Approval of Specifications/Reports:

TD SP-000224: GSM 12.71 (LCS O&M) Release 98 v2.0.1 This specification was approved and placed under TSG SA Change Control. It was noted that this was approved as both R98 and R99 specifications. This approval was under the condition that the transfer of GSM Radio work is accepted at the by the 3GPP OP meeting along the lines of the recommendations in the report on transfer of GSM radio work to 3GPP, because these specifications, strictly speaking, were currently GSM only.

TD SP-000255: Recommendation to include “GSM LCS Charging – CDR definition” in either 12.05 or 12.71. This was provided for information and noted.

Approval of Change requests:

TD SP-000225: 32.101 CR, “Add and Update Correct Normative Reference List”. This CR was approved.

TD SP-000226: 32.101 CR, “Terminology corrections”. This CR was approved.

TD SP-000227: 32.102 CR, ”Regarding the Compliance conditions”. This CR was approved.

TD SP-000228: 32.102 CR, “Update ITU-T TMN related reference material in 32.102”. This CR was approved.

TD SP-000229: 32.102 CR, “Regarding the Mandatory / Conditional / Optional qualifiers”. This CR was approved.

TD SP-000230: 32.102 CR, “Correction of erroneous editing and usage of undefined term”. This CR was approved.

TD SP-000231: 32.104 CR, “Measurement definition template”. This CR was approved.

TD SP-000232: 32.104 CR, “Inclusion of XML file format definition”. This CR was approved.

TD SP-000233: 32.104 CR, “Example of XML file format for PM result files”. This CR was approved as category "B" (this was on the list of open issues and category B was acceptable).

TD SP-000234: 32.104 CR, “Addition of missing abbreviations”. This CR was approved.

TD SP-000235: 12.15 CR, “Correction of ASN.1 for QoS ‘Delay Class". This CR was approved.

TD SP-000236: 32.015 CR, “Correction of ASN.1 for QoS ‘Delay Class’. This CR was approved.

TD SP-000237: 32.015 CR, “Draft update of document for 3G Publication”. This CR was approved.

TD SP-000238: 32.015 CR, “Principles for accurate volume counting”. This CR was approved.

TD SP-000239: 32.015 CR, “Packet domain charging enhancements on CAMEL phase 3”. This CR was approved.

TD SP-000240: 32.005 CR, “Circuit domain charging enhancements on CAMEL phase 3”. This CR was approved.

TD SP-000241: 32.106 CR, “Split of TS - Part 1: Main part of spec - Concept and Requirements”. This CR was approved.

TD SP-000242: 32.106 CR, “Split of TS - Part 2: Notification Integration Reference Point (IRP): Information Service (IS)”. This CR was approved.

TD SP-000243: 32.106 CR, “Split of TS - Part 3: Notification Integration Reference Point (IRP): CORBA Solution Set (SS)”. This CR was approved.

TD SP-000244: 32.106 CR, “Split of TS - Part 4: Notification Integration Reference Point (IRP): CMIP Solution Set (SS)”. This CR was approved.

TD SP-000245: 32.106 CR, “Split of TS - Part 8: Name Convention for Managed Objects”. This CR was approved.

It was noted that Parts 5-7 were not provided. It was explained that these parts are not yet available and it is hoped to provide them when the technical content is available. This is expected to be included as Release 1999, and remains on the open issues list for Release 1999.

TD SP-000246 32.015 CR, “GPRS charging enhancement, Addition of charging characteristics per PDP context”. This CR was approved.

TD SP-000247: 32.111 CR, “Split of TS - Part 1: Main part of spec – Requirements”. This CR was approved.

TD SP-000248: 32.111 CR, “Split of TS - Part 1: Main part of spec – Merge Clause X into Clause 4”. This CR was approved.

TD SP-000249 32.111 CR, “Split of TS - Part 1: Main part of spec - Alignment of FM requirements with IRP, etc.”. This CR was approved.

TD SP-000250 32.111 CR, “Split of TS - Part 2: Alarm Integration Reference Point (IRP): Information Service (IS)”

TD SP-000253 This CR was approved.

TD SP-000254 This CR was approved.

Approval of Work Items:

TD SP-000223: Service-Level Management (Release 2000). There was some concern expressed that there are some details in the draft specification which point to potential requirements which are not yet developed in S1. SA WG1 were requested to investigate the requirements. T WG2 and T WG3 should be consulted for the impacts on their work. SA WG5 undertook to initiate a service requirements study and to forward the results to other impacted WGs. Following some discussion on the impacts of this item it was decided to reject this work item. SA WG5 was asked to involve SA WG1, SA WG2, SA WG3 and T WG2 in the dicussion and re-drafting of the WI, if further persued. (The GSM Association 3GIG should also be consulted).

6.6 Report and review of Inter-Group Co-ordination work (IGCs)

TD SP-000329 Overall presentation on Project Planning and WI handling. This was presented by the IGC Co-ordinator, Mr. A. Sultan, MCC. This provides guidance on the interpretation of the work plan in TD SP-000317. The applicability of the rules was questioned by TSG RAN Chairman for WIs already defined, which do not have a cover sheet (i.e. some Features do not have WI cover sheets in TSG RAN). It was clarified that the F/BB/WT system applies only to WIs after Release 1999, rather than to create them for old Release 1999 WIs.

TD SP-000317 (revision of TD SP-000277): Project Plan, version 1.2 (replaces SP-000277). This was summarised in a status report for presentation in TD SP-000330, which was presented by the SA WG2 Chairman. Delegates should refer to the Project Plan for details of individual Work Items.

It was suggested that the date fields in the tables should be made more visible, to give a fast overview of the status of WIs. It was explained that the Microsoft Project files and reports could be used for this sort of overview. The usefulness of the MS Project plan is for an overview of dependencies and critical paths, which help to identify the areas of work (e.g. Features), which should be given priority at a given time, and an overview of overall Release completion.

TD SP-000330 IGC status on Project Planning. The SA WG2 Chairman presented the status report on the Project Plan developed by the IGCs in co-operation with the TSG WGs.

Concern was expressed about the large amount of work undertaken by SA WG2. It was suggested that some of the work could be done outside of SA WG2 and fed back to them for overall co-ordination. The SA WG2 Chairman agreed that the group would be happy to do this, but that identification of the architecture work to outsource was not easy. The TSG CN Chairman suggested that SA WG2 could produce feasibility studies for some of their work and leave the Stage 2 work to the other groups.

The SA WG2 Chairman added that the updating of the Project Plan should be done in MCC. SA WG2 would only then be responsible for checking of the updated Project Plans.

The Testing items needs to be investigated by T WG1 to determine what items require testing, and added to the work plan. It was suggested that Work Item sheets include a field for indicating whether WIs require testing to ease the problem of identifying them later.

It was recognised that a firm Work Plan is needed and that the MS Project tool was a useful way of tracking and presenting the interaction and progress of the Project.

SA WG2 were asked to determine which work could be outsourced to other groups to reduce their work load to an achievable level. All WGs were asked to check the Work Plan and provide comments to the IGC Co-ordinator.

It was agreed to check the Project Plan and determine what can be Realistically be contained in Release 2000 and to determine which of these Features require test specifications (which could be expected to be completed with a short delay relative to the core specifications). This should be done by choosing a Release completion date and determine whether there will be adequate functionality included by that date, as an iterative process to determine the best compromise of timing/functionality for Release 2000 and for

future Releases to plan the functional content (i.e. completed Features) of the Release and determine the expected Release date. An ad-hoc group was set up to determine what Features can be completed in 2000 and review future Release planning. The TSG SA Vice Chairman, Mr. A. Toepfer agreed to chair this ad-hoc group. This was done and is reported under agenda item 7.6.

6.7 Review of TSG-SA Release 1999 completion

The WG Chairmen were asked to provide information to the TSG SA Chairman on updates to TD SP-000169 from the previous TSG SA meeting for input to agenda item 6.9.

6.8 Review of TSG-SA Release 2000 status

TD SP-000275 CAMEL Phase 4 Priorities. This was provided for information and will be input for discussion into the SA WG1 CAMEL ad-hoc group and SA WG1 Plenary. The document was noted.

6.9 Review of TSG-SA work programme

TD SP-000323 ASCI Release 2000 WI Description. This Work Item was conditionally approved upon the condition that the GSM work is transferred to 3GPP.

6.10 Letters to other groups

None

6.11 Other issues

None

7 Technical coordination with TSG-CN, TSG-RAN and TSG-T

7.1 TSG-CN

7.1.1 Report and questions for discussion from TSG-CN

TD SP-000327 CN#8 Status report. The TSG CN Chairman presented a summary of the status of TSG CN after their meeting #8 using summary slides provided in TD SP-000326. TSG CN requested guidance on the following:

- *2G/3G terminology (for distinguishing access networks, 2G/3G operating modes: for Release 1999 TSG CN will keep GSM/UMTS but consistent terminology is needed).*

  SA WG1 Chairman undertook to look into the terminology problems reported. SA WG2 were asked to help with this.

- *Relationship with ITU-T (Clarify that ITU-T ad-hoc can act as a drafting group: Positions have been appointed in TSG CN and they request the ability to participate in GSC-6 ad-hoc)*

  This was noted by TSG SA for inclusion in discussions in the report from TSG CN to the PCG.

- *Use of ETSI Organisation Identifier (OID) (Codecs - BICC)*

  This was noted by TSG SA.

It was reported that all Release 1999 Work Items are complete. For Release 2000, Tubocharger and Layer 3 segmentation WIs had been deleted (due to lack of support for the work).

Issues especially highlighted were:

- *GEA/2 ciphering in releases before Release 99 (SA WG3)*

Associated to this subject was the liaison in TD SP-000322. The extent of the impact on TSG CN specifications was questioned by the SA WG3 Chairman, and what is necessary to convince TSG CN that this is a requirement. It was explained that TSG CN needs to ensure that the requirements can be fulfilled by the cut-off date and to investigate that it can be done in a backward compatible manner. It was commented, that the solution for Release 99 already needs to ensure backwards compatibility for a Release 99 mobile stations in a pre-Release 99 network. After some further discussion it became clear that the main problem seemed to be related to introduction of GEA/2 ciphering on the network side for Releases 97 and 98. It was then noted that the important issue was to make the GEA/2 algorithm available as soon as possible in the mobile stations, as this would ensure that an operator will gain from switching to GEA/2. On this background TSG CN was asked to reconsider the matter and try to ensure that Release 97 and Release 98 allows the mobile stations to support GEA/2.

- *Removal of P-TMSI signature from Service Request message*

  This was removed to align with the removal of the stage 2 at SA #7 meeting. SA WG3 was asked to check for implications on this change.

- *Removal of Service Accept message*

  this was postponed by TSG CN as it was not felt to be excluded in the specification.

- *Hexadecimal IMEI.*

  CRs on Hexadecimal IMEI had been postponed by TSG CN as they could not be guarantee to be backwards compatible and it had been felt appropriate to seek guidance from impacted parties. In order to seek guidance on feasibility of changes and update of networks etc., a liaison had been sent to the GSM Association and EICTA on changeover dates. In the meeting, concern was expressed about the potential impact of the proposed change to hexadecimal IMEI on operators' support systems which are outside the areas covered by the 3GPP specifications. TSG SA noted this concern and that TSG CN had taken the appropriate action by initiating liaisons with the GSM Association. The issue was noted by TSG SA.

Estimates of the timing for TSG CN WIs was presented as a delta to completion of specifications which they are dependent upon. The TrFO work item was reported as not a SA WG4 work item. This would be checked to determine if it had been included in the table in error. TSG SA noted the table in slide 6.

7.1.2 Information on Release 1999 and Release 2000 status in TSG-CN

No input was received on this agenda item.

7.1.3 Information on status and changes to deliverables

No input was received on this agenda item.

7.2 Report from TSG-RAN

7.2.1 Report and questions for discussion from TSG-RAN

TD S3-000319 Chairman's report from TSG RAN to TSG SA. The RAN Chairman presented his report. The draft report of the RAN #8 meeting was provided for information in TD S3-000320. TSG RAN had concentrated mainly upon finalisation of Release 1999 specifications, and not much progress on Release 2000 had been made. It was reported that there was a risk for the quality of the UTRAN interfaces (Iur/Iub) as most contributions are from a single company. Members were requested to verify the specifications and to contribute to RAN WG3. This was noted by TSG SA and TSG SA delegates were asked to ensure that their companies check these important specifications.

Work on measurement uncertainty was ongoing in RAN WG4. TSG SA noted the discussions between TSG RAN and TSG T on this.

TSG RAN have created a number of Release 2000 Work Items and study items, and it was reported that WI cover sheets had not yet been produced for some WIs (see slide 18). Many corrective CRs are still expected to Release 1999 specifications, particularly from RAN WG2 and RAN WG3.

Categories of CRs had been discussed in TSG RAN, and a clarification of the meaning of the Categories was produced and is contained in the draft Report in TD S3-000320, which will be enforced in all RAN WGs. It was suggested that a "consequences if the CR is not approved" section was introduced. MCC were asked to introduce this in the CR cover sheet. TSG SA endorsed the principles in the RAN draft report for CR production. TSG CN had endorsed this in their meeting and TSG T Chairman undertook to discuss it over e-mail, but supported it in principle himself. The working methods were updated to include this (see agenda item 8.2).

Annex E of TD S3-000320 provided a proposal for the Release 2000 procedure for TSG RAN work/study items, and Annex F provides the role of a Rapporteur. These descriptions were developed to clarify the responsibilities to TSG RAN delegates. A cross check with the 3GPP working procedures would be necessary. In particular the delivery of specifications to MCC should be done prior to approval, rather than after approval, so it can be "cleaned" by MCC prior to approval, as it cannot be editorially modified after approval without a CR. It was agreed, that the Rapporteur Role needs to be documented within 3GPP.

The RAN Chairman reported that MCC resources for implementation of CRs after TSG RAN meetings was inadequate, despite the hard work by the TSG RAN MCC Support members. An improvement in the support for CR implementation was requested and a cross-check with the 3GPP working procedures on the implementation and classification of CRs should be done.

A common area for the storage of WI description sheets was requested. MCC were asked to produce a directory on the FTP server containing all the approved WI description sheets.

It was noted that TSG RAN have agreed work items on a low chip rate TDD option. It was requested that the work be done in such a way as to maintain compatibility of mobiles of earlier Releases. This was noted, but the work in RAN will be contribution driven and concerned companies should provide technical input to with RAN WGs. TSG SA expressed a strong desire for compatibility between different TDD modes and TSG RAN were asked to try to ensure this. (It was clarified that "compatibility" in this context means inter-operation in the same geographic area with different TDD bands using different TDD/FDD options and not the overlaying of narrowband and wideband TDD).

Prioritisation of the Release 2000 work items in TSG RAN had not yet been done, but it was recognised that this will be necessary in order to complete the important work in good time. It was noted that this prioritisation would be dependent upon the Features, which are identified as achievable for Release 2000. A process for this was set up in a drafting group and the output of this may be useful for TSG RAN when prioritising their work.

7.2.2 Information on Release 1999 and Release 2000 status in TSG-RAN

7.2.3 Information on status and changes to deliverables

TD S3-000340 Work Item sheets - situation at TSG-RAN #8. This was provided for information and was noted.

TD S3-000341 Study Item sheets - situation at TSG-RAN #8. This was provided for information and was noted.

NOTE: These documents collect together all WI description sheets presented to TSG RAN, and not all of them were approved WIs.

7.3 Report from TSG-T

7.3.1 Report and questions for discussion from TSG-T

TD SP-000346: TSG T#8 Progress report slides. The TSG T Chairman presented his report to TSG SA. The progress of TSG T testing specification work was reported, which is mainly on target. Slide 6: The action required because of the unavailability of RF parameters was asked. It was clarified that the parameters are expected from TSG RAN as a matter of course and no particular action from TSG SA is required. The internal reorganisation of T WG2 sub groups was noted. The dependency of a CR on PLMN selection in the USIM area upon an SA WG1 CR status after TSG SA#8 had been noted (the SA WG1 CR was not approved, and so the dependent CR in TSG T is not approved).

3GPP MIME (Multi-purpose Internet Mail Extension) type Registration: TSG SA were informed that there are basically 2 options for Registration: 1) the creation of a 3GPP registration process (e.g. a tree for 3GPP); or 2) allowing individual members to register MIME types at IANA. After checking that currently no working groups other than CN WG1 and T WG2 foresee a need to register MIME types, TSG SA recommended that TSG-T (T WG2) take control over the task and, e.g. to apply for types on a case by case basis. T WG2 will report the mechanism chosen to the TSGs for information.

TD SP-000347: Release 00 New WI approved at TSG T#8. These WI description sheets were noted.

TD SP-000252 LS from T WG2, SWG3 to GSMA on Short Message Service Centre Implementation (cc: SA). This was provided for information. TSG SA noted the liaison, remarking that although there are standards, if implementations do not follow the standards, then no interoperation of systems can be guaranteed.

7.3.2 Information on Release 1999 and Release 2000 status in TSG-T

TD SP-000313 Liaison Statement from TSG T to TSG SA on Requirements and scenarios for call handling. This liaison raises some questions over the All-IP call handling issues. Some concerns were raised about the data integrity security of equipment against virus-like attacks. It was suggested that potential threats and protection against them should be studied. The impact on "certification" and "type approval" aspects for software implementations outside what is traditionally considered as the MT (e.g. a mobile used as a bit-pipe and control software in a PC) needs also to be considered. Another usage mentioned was that the peer client to the IM-subsystem could be in the TE and would transparently use PDP contexts established by the ME for this communication.

After some discussion over the issues where strong concerns especially regarding the security aspects were expressed, a drafting group was set up to produce a liaison informing relevant parties and requesting them to study requirements, architectural and security aspects of the model. The resulting liaison statement to the GSM Association, SA WG1, SA WG2, SA WG3, SA WG4, EICTA CelCom, GSM Certification Forum with copies to TSG T and T WG2, was provided in TD SP-000353. This liaison statement was approved for transmission to the addressed groups.

7.3.3 Information on status and changes to deliverables

7.4 Letters to others groups

7.5 Review of completion of the Release 1999 specification set

The open issues list for Release 1999 was reviewed with the inputs that the TSG SA Chairman had received. For TSG SA, all issues had been closed (i.e. either completed or moved to Release 2000) with the exception of the AMR Characterisation Report (SA WG4). TSG CN and TSG RAN also reported that all issues in their groups were closed, and in TSG T only the testing specifications remained as open issues (which is usual for testing specifications). It was noted that the AMR Characterisation Report (SA WG4) and SIM (UICC) test specification were not fully completed, but was on target for the agreed completion in September 2000.

It was therefore agreed that all Release 1999 core specification work had been completed and only the testing specifications are outstanding. Release 1999 core specifications were therefore considered as frozen. It was clarified that this means that only corrections can be done to the Release 1999 core specifications.

The TSG Chairmen were asked to ensure that items, which are moved to Release 2000, are correctly recorded and fed back to the TSG SA Chairman in order to update the list. This was later provided in TD S3-000355, which was noted.

7.6 Review of Release 2000 status and content

TD S3-000354 Conclusions of Release 2000 Ad-Hoc. Mr. A. Toepfer presented the agreements reached in the ad-hoc group, which had met in the evening of 27 June. The Release 2000 deadline of December 2000 was questioned. It was clarified that the deadline applies to when the features of the Release are stable, rather than fully finalised. The idea is to provide a realistic and achievable feature set for a Release and the planning needs to be done earlier than was done for Release 1999 (i.e. at this meeting and the September meeting, instead of starting at the December meeting).

The conclusions from the group for future releases was to take the generic requirements and then to identify the system elements, functions needed, identify the Features, Building Blocks, etc. and produce an estimate for completion of the work, and any Phasing of the work.

Concerning the IM subsystem work, it was suggested that the complete, full blown IM subsystem can not be completed within Release 2000, although specific work items leading to the Vision need to be considered. To build a complete UMTS system, the CS domain is still needed.

It was suggested that a Road Map of features should be produced with long term planning. This should give the timings for planned completion of work, and a set of Releases could then be extracted from it. This Road Map would be updated regularly and used for longer-term planning. Release 2000 was considered as the first part of this exercise. The need for a visionary group was proposed, in order to identify the future features and requirements.

A list identifying the content in terms of completed features for Release 2000 would be the goal of the first step of the Road Map. It was suggested that a proposal is developed by MCC for discussion, rather than discussing many individual ideas. It was agreed that this would be done over the TSG SA e-mail reflector list (3gpp_tsg_sa@list.3gpp.org), co-ordinated by Alain Sultan, MCC. A meeting to finalise ideas collected over the reflector was planned for 22-23 August 2000. Nokia kindly offered to host this meeting (probably in Helsinki, but to be confirmed).

TD S3-000337 Vision of road map for UMTS evolution.

TSG RAN Chairman expressed the problems in TSG RAN with the work load and requested some prioritisation of the work, in order to concentrate on the Release 2000 work. It was agreed that the definition of the Release 2000 features could be done, but that the prioritisation of the Release 2000 work items within TSG RAN was a task for TSG RAN.

7.7 Beyond Release 2000

7.8 Other issues

TD S3-000318 The IPR report was provided for information noted.

TD S3-000350 (revision of TD S3-000344) IETF Strategies (Internet Engineering Task Force). TSG SA was asked to approve:

- The 3GPP-IETF standardization framework for submission to PCG,
- The creation of an IETF co-ordination function at TSG SA level, and to

- Seek advice from PCG to update the 3GPP working procedures.

It was commented that the IETF is very interested in discussions on wireless Internet In particular an IAB Wireless Internet working Workshop was held in February/March 2000. The results of this workshop are shown at (http://www.ietf.org/internet-drafts/draft-iab-wirelessws-00.txt). Within the notes provided at this URL, there is a comment that 3GPP amongst others has a service model referred to by the notes as a "walled garden" and further suggests that this is in strong contrast to the normal Internet models. A concern was noted that the IETF needs to understand the background and reasoning for the developments undertaken within 3GPP and that therefore it is very important for us to establish closer links with the IETF.

A concern was expressed about endorsing the co-operation agreement without a review period.

The creation of an IETF co-ordination function at TSG SA level

It was re-confirmed that we have a rapporteur / co-ordination function with the IETF at the TSG SA level. So this proposal was agreed. AT&T agreed to provide the Co-ordinator/Rapporteur for this function.

The 3GPP-IETF standardization framework for submission to PCG

This proposal was widely supported and approved. The TSG SA Chairman will report back from the PCG meeting.

Seek advice from PCG to update the 3GPP working procedures.

Guidance will be sought from the PCG by the TSG SA Chairman.

8 Project Management

8.1 Review of work programme

TD S3-000188 TS 21.102 v 1.0.0: Release 2000 specifications list. This was provided for information. Feedback is requested and a new version was expected for approval in December. The document was noted.

TD S3-000182 CR001 to 21.101 version 3.0.1: Update of table of specs. Feedback was requested in order to update the CR for approval over the e-mail reflector.

TD S3-000280 CR002R1 to 21.101version 3.0.1: Eliminate elements moved to 21.100. This CR was approved. It was noted that Category "F" is not well-suited for this type of CR (and neither is any of the other CR categories).

8.2 Working methods

TD S3-000189 Status list of specifications before TSG SA Meeting #8. This was noted.

TD S3-000348 Status list of specifications after TSG SA Meeting #8. This made some assumptions on approvals, and will be updated following the meeting. Comments should be sent to Mr. Meredith, MCC. The document was noted.

TD S3-000187 Proposal for procedures related to the transfer of GSM Specifications to 3GPP. This proposal provides a numbering and version scheme to be used for GSM specifications transferred into 3GPP, provided the Organisational Partners agree to transfer the remaining GSM work into 3GPP. The proposal was noted and the TSG and WG Leaders were asked to consider this proposal on the Leaders' e-mail list.

TD S3-000325 New Homes for old specifications. Comments on the proposed placements for GSM specifications in 3GPP, provided the Organisational Partners agree to transfer the remaining GSM work into 3GPP. The document was noted. The WGs are asked to verify the list and provide corrections to MCC.

TD S3-000278 TR 21.801 v 1.0.1: Drafting Rules. This document was approved and placed under TSG SA Change Control as version 3.0.0. It was noted that the drafting rules are guidelines and should not be used as a reason for rejecting documents which do not follow them precisely.

TD S3-000279 CR005 to 21.900 version 3.2.0: Specification and work item handling. This CR was approved.

8.3 Other issues

TD S3-000338 Organisation of Releases. This was briefly presented and the main part had already been discussed at the meeting, so it was suggested to handle this at a future meeting if the topic is raised again. The document was then noted.

TD S3-000328 CR to 21.900 version 3.2.0: Addition of MS Visio to available tools. Time to analyse the impacts of using a new graphics tool was requested, and the reason for change should be better justified. It was decided not to approve the CR at this time. In order to further progress the matter, the originator could contact MCC to ensure that the implications of the introduction of the new recommend software tool is analysed and justified. It was noted, that MS Project needs to be added to the list, taking into account it's recent use in the ICG.

TD S3-000331 E-mail security and virus protection. This contribution asks to task MCC to ensure extra protection on the e-mail reflector lists against virus attacks spreading over the lists. It was reported, that the ETSI MCC servers had been protected by blocking the transmission of executable files (including .vbs files) to reduce the risk. Ongoing vigilance is a policy of the IT group in ETSI. This was then noted.

9 Project support

TD S3-000343 Report of Support Team activities. Mr. A. Scrase, Head of MCC, gave a status report from MCC activities.

Staff:
2 MCC experts have announced that they will leave MCC, and candidatures are requested for the resulting vacancies. Delegates were asked to consider suitable candidates from their companies.

Meeting timing:
TSG SA were asked to re-confirm the mandate to WGs not to hold meetings 1 week either side of the TSG meetings, as this practice puts a large amount of pressure upon the MCC experts. This principle was re-confirmed.

Funding:
TSGs were asked to provide their funding requirements for year 2001 - or any change to their funding requirements since year 2000. WG Chairmen were asked by TSG SA to indicate any changes in funding requirements. The TSG Chairmen will then report the requirements to the PCG.

LAN:
The use of LAN has become very popular in the TSG meetings, and in many WG meetings. A small number of Radio LAN cards had been tested at this meeting with good results. MCC need to do interoperability and capacity tests, but this looks like a cost-effective alternative to the wire-based LAN.

The report was noted.

10 Postponed issues from earlier in the meeting

All postponed issues were reported under their agenda items.

11 Work plan and future meetings

TD S3-000335 contained a list of future meetings. A summary of the future meeting dates are given below.

TSG	No.	Date	Venue	Host
PCG	#4	17 - 18 July 2000	Beijing, China	CWTS
OP	#3	19 July 2000	Beijing	CWTS
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
PCG	#5	14 November 2000	North America	T1
OP	#4	15 November 2000	North America	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	14 - 16 March 2001	US	
RAN	#11	14 - 16 March 2001	US	
T	#11	14 - 16 March 2001	US	
SA	#11	19 - 22 March 2001	US	
CN	#12	13 - 15 June 2001	EUROPE (Sweden)	
RAN	#12	13 - 15 June 2001	EUROPE (Sweden)	
T	#12	13 - 15 June 2001	EUROPE (Sweden)	
SA	#12	18 - 21 June 2001	EUROPE (Sweden)	
CN	#13	26 - 28 September 2001	TBD	
RAN	#13	26 - 28 September 2001	TBD	
T	#13	26 - 28 September 2001	TBD	
SA	#13	01 - 04 October 2001	TBD	
CN	#14	12 - 14 December 2001	Japan	
RAN	#14	12 - 14 December 2001	Japan	
T	#14	12 - 14 December 2001	Japan	
SA	#14	17 - 20 December 2001	Japan	

12 Any other business

No other business was indicated.

13 Close of meeting

The TSG SA Chairman thanked the hosts for providing the excellent facilities which ensured a smooth-running meeting and thanked the delegates for their hard work and co-operation at the meeting. The meeting was then closed.

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@d2mannesmann.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	Randolph Wohler	Pacific Bell Wireless	rwohlert@tri.sbc.com	+1 512 372 5838	+1 512 372 5891	
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	+33 6 74 40 83 68
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	hiramatu@magnet.netlab.ntt.co.jp	+81 422 59 6024	+81 422 60 7429	+81 50 137 8536
Vice Chairman	Vacancy					
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Vice Chairman	Michael Marcovici	Lucent Technologies	marcovici@lucent.com	+1 630 979 4062	+1 630 224 9955	
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Chairman	Kari Jarvinen	Nokia	kari.ju.jarvinen@nokia.com	+358 3272 5854	+358 3272 5888	+358 50 555 0999
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A.2 TSG CN Officials

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Vice Chairman	Vacancy					
Vice Chairman	Vacancy					
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A.3 TSG RAN Officials

Position	Name	Company	e-mail	Telephone	Fax	(Mobile Tel.)
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Vice Chairman	Vacancy					
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A.4 TSG T Officials

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Vice Chairman	Kevin Holley	BT	kevin.holley@bt.com	+44 1473 605604	+44 1473 623794	
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Annex B: List of documents

NUMBER	TITLE	SOURCE	AGENDA ITEM	Document for	REPLACED BY
SP-000180	Agenda for TSG SA Meeting #8	Chairman	2..	Approval	
SP-000181	Draft report of TSG SA Meeting #7, verion 0.0.2	Secretary	3..	Approval	
SP-000182	CR001 to 21.101 version 3.0.1: update of table of specs	MCC	8.1.	Approval	
SP-000183	Withdrawn (CR002 to 21.101 version 3.0.1: removal of elements transferred to 21.100)	MCC	8.1.	Approval	Withdrawn , see SP-000280
SP-000184	Withdrawn (CR004 to 21.900 version 3.2.0: removal of elements transferred to 21.100)	MCC	8.1.	Approval	Withdrawn
SP-000185	Withdrawn (TS 21.100 v 1.0.0: Specification handling)	MCC	8.1.	Information	Withdrawn, see SP-000279
SP-000186	Withdrawn: (TS 21.200 v 1.0.0: Drafting Rules)	MCC	8.1.	Information	Withdrawn, see SP-000278
SP-000187	Proposal for procedures related to the transfer of GSM Specifications to 3GPP	MCC	8.2.	Approval	
SP-000188	TS 21.102 v 1.0.0: Relase 2000 speifications list	MCC	8.1.	Information	
SP-000189	3GPP Specifications status list prior to TSG#8 meeting	MCC	8.2.	Information	
SP-000190	Status report from SA WG1 to SA#8 (presentation)	SA WG1	6.1.1	Information	
SP-000191	Status report from SA WG1 to SA#8 (Word)	SA WG1	6.1.1	Information	
SP-000192	CRs to Bearer Services Supported by a PLMN (22.002)	SA WG1	6.1.3	Approval	
SP-000193	CRs to Access Control Classes & Network Selection (22.011)	SA WG1	6.1.3	Approval	
SP-000194	CRs on International Mobile Equipment Identities (IMEI) (02.16, 22.016)	SA WG1	6.1.3	Approval	
SP-000195	CRs to International Mobile Equipment Identities (IMEI) (22.016)	SA WG1	6.1.3	Approval	
SP-000196	CRs to SIM Application Toolkit (22.038)	SA WG1	6.1.3	Approval	
SP-000197	CRs to GPRS (22.060)	SA WG1	6.1.3	Approval	
SP-000198	CRs to CAMEL (22.078)	SA WG1	6.1.3	Approval	
SP-000199	CRs to Calling Line Identity (22.081)	SA WG1	6.1.3	Approval	
SP-000200	CRs to 22.101 on Emergency Calls	SA WG1	6.1.3	Approval	
SP-000201	CRs to Service Principles (22.101) on H.324M support for CS multimedia	SA WG1	6.1.3	Approval	
SP-000202	CRs to Service Principles (22.101) on USIM selection	SA WG1	6.1.3	Approval	
SP-000203	CRs to Services & Service capabilities (22.105)	SA WG1	6.1.3	Approval	SP-000352
SP-000204	CRs to VHE (22.121)	SA WG1	6.1.3	Approval	
SP-000205	CRs to Multicall (22.135)	SA WG1	6.1.3	Approval	
SP-000206	CRs to SoLSA (22.043)	SA WG1	6.1.3	Approval	
SP-000207	CRs to Support of Mobile Number Portability (22.066)	SA WG1	6.1.3	Approval	
SP-000208	CRs to Multimedia Messaging Service (22.140)	SA WG1	6.1.3	Approval	
SP-000209	CRs to 3G Vocabulary (21.905)	SA WG1	6.1.3	Approval	
SP-000210	CRs to PLMN selection (22.101) for Release 2000	SA WG1	6.1.3	Approval	
SP-000211	CRs to PLMN selection (22.011) for Release 2000	SA WG1	6.1.3	Approval	
SP-000212	CRs to Location Services (22.071) for Release 2000	SA WG1	6.1.3	Approval	
SP-000213	CRs to Emergency calls (22.101) for Release 2000	SA WG1	6.1.3	Approval	
SP-000214	CRs to Multimedia Messaging Service (22.140)	SA WG1	6.1.3	Approval	
SP-000215	Release 2000 services and capabilities (22.976)	SA WG1	6.1.3	Approval	
SP-000216	Work Item Descriptions for Release 2000	SA WG1	6.1.3	Approval	
SP-000217	PLMN search and access technology lists	EP "New SMG9"	5.2.	Discussion	
SP-000218	LS from RAN WG2 to SA WG3 (cc SA) on Security issues	RAN WG2	5.1.	Information	
SP-000219	LS from SA WG5 to T1M1 (cc SA)GSM LCS O&M project management (GSM 12.71)	SA WG5	6.5.2	Information	
SP-000220	LIAISON TO 3GPP TSG SA REGARDING THE NEW ANF TO PERFORMANCE PARAMETERS	Rudolf Hasler (ETSI TC STQ)	5.2.	Discussion	SP-000334
SP-000221	MPEG-4 Conformance points in 3GPP-324M	ISO/IEC JTC1/SC29/WG11 MPEG Convenor	5.3.	Information	
SP-000222	SA WG5 status report	SA WG5 Chairman	6.5.1	Information	SP-000333
SP-000223	Service-Level Management - New R00 work item proposal under SA5's responsibility	SA WG5	6.5.3	Decision	
SP-000224	GSM 12.71 (LCS O&M) Release 98 v2.0.1 (S5-000285)	SA WG5	6.5.3	Decision	
SP-000225	32.101 CR, "Add and Update Correct Normative Reference List" (S5-000292)	SA WG5	6.5.3	Decision	
SP-000226	32.101 CR, "Terminology corrections" (S5-000330)	SA WG5	6.5.3	Decision	
SP-000227	32.102 CR, "Regarding the Compliance conditions" (S5-000293)	SA WG5	6.5.3	Decision	
SP-000228	32.102 CR, "Update ITU-T TMN related reference material in 32.102" (S5-000294)	SA WG5	6.5.3	Decision	

NUMBER	TITLE	SOURCE	AGENDA ITEM	Document for	REPLACED BY
SP-000229	32.102 CR, “Regarding the Mandatory / Conditional / Optional qualifiers” (S5-000295)	SA WG5	6.5.3	Decision	
SP-000230	32.102 CR, “Correction of erroneous editing and usage of undefined term” (S5-000303)	SA WG5	6.5.3	Decision	
SP-000231	32.104 CR, “Measurement definition template” (S5-000313)	SA WG5	6.5.3	Decision	
SP-000232	32.104 CR, “Inclusion of XML file format definition” (S5-000315)	SA WG5	6.5.3	Decision	
SP-000233	32.104 CR, “Example of XML file format for PM result files” (S5-000316)	SA WG5	6.5.3	Decision	
SP-000234	32.104 CR, “Addition of missing abbreviations” (S5-000317)	SA WG5	6.5.3	Decision	
SP-000235	12.15 CR, “Correction of ASN.1 for QoS ‘Delay Class’ ” (S5-000304)	SA WG5	6.5.3	Decision	
SP-000236	32.015 CR, “Correction of ASN.1 for QoS ‘Delay Class’ (S5-000305)	SA WG5	6.5.3	Decision	
SP-000237	32.015 CR, “Draft update of document for 3G Publication” (S5-000306)	SA WG5	6.5.3	Decision	
SP-000238	32.015 CR, “Principles for accurate volume counting” (S5-000309)	SA WG5	6.5.3	Decision	
SP-000239	32.015 CR, “Packet domain charging enhancements on CAMEL phase 3” (S5-000308)	SA WG5	6.5.3	Decision	
SP-000240	32.005 CR, “Circuit domain charging enhancements on CAMEL phase 3” (S5-000307)	SA WG5	6.5.3	Decision	
SP-000241	32.106 CR, “Split of TS - Part 1: Main part of spec - Concept and Requirements” (S5-000323)	SA WG5	6.5.3	Decision	
SP-000242	32.106 CR, “Split of TS - Part 2: Notification Integration Reference Point (IRP): Information Service (IS)” (S5-000324)	SA WG5	6.5.3	Decision	
SP-000243	32.106 CR, “Split of TS - Part 3: Notification Integration Reference Point (IRP): CORBA Solution Set (SS)” (S5-000325)	SA WG5	6.5.3	Decision	
SP-000244	32.106 CR, “Split of TS - Part 4: Notification Integration Reference Point (IRP): CMIP Solution Set (SS)” (S5-000326)	SA WG5	6.5.3	Decision	
SP-000245	32.106 CR, “Split of TS - Part 8: Name Convention for Managed Objects” (S5-000327)	SA WG5	6.5.3	Decision	
SP-000246	32.015 CR, “GPRS charging enhancement, Addition of charging characteristics per PDP context” (S5-000237)	SA WG5	6.5.3	Decision	
SP-000247	32.111 CR, “Split of TS - Part 1: Main part of spec – Requirements” (S5-000328)	SA WG5	6.5.3	Decision	
SP-000248	32.111 CR, “Split of TS - Part 1: Main part of spec – Merge Clause X into Clause 4” (S5-000329)	SA WG5	6.5.3	Decision	
SP-000249	32.111 CR, “Split of TS - Part 1: Main part of spec - Alignment of FM requirements with IRP, etc.” (S5-000331)	SA WG5	6.5.3	Decision	
SP-000250	32.111 CR, “Split of TS - Part 2: Alarm Integration Reference Point (IRP): Information Service (IS)” (S5-000332)	SA WG5	6.5.3	Decision	
SP-000251	Answer LS on the organisation of work on VHE/OSA Release 2000	SA WG2	6.2.2	Decision	
SP-000252	LS from T WG2, SWG3 to GSMA on Short Message Service Centre Implementation (cc: SA)	T WG2, SWG3	7.3.1	Information	
SP-000253	32.111 CR, “Split of TS - Part 3: Alarm Integration Reference Point (IRP): CORBA Solution Set (SS)” (S5-000333)	SA WG5	6.5.3	Decision	
SP-000254	32.111 CR, “Split of TS - Part 4: Alarm Integration Reference Point (IRP): CMIP Solution Set (SS)” (S5-000334)	SA WG5	6.5.3	Decision	
SP-000255	Recommendation to include “GSM LCS Charging – CDR definition” in either 12.05 or 12.71 (S5-000310)	SA WG5	6.5.1	Information	
SP-000256	Withdrawn - IMT-2000/UMTS Global Spectrum (presentation)	UMTS Forum	5.2.	Information	SP-000339
SP-000257	WARC-92 frequencies for IMT-2000 - Presentation	UMTS Forum	5.2.	Information	
SP-000258	TSG-S4 Status Report to TSG-SA#8	S4 Chairman	6.4.1	Information	
SP-000259	AMR Wideband Qualification Phase Report	TSG-S4	6.4.1	Information	
SP-000260	TS 26.132 v1.0.0 Terminal Acoustic Characteristics for Telephony – Test Requirements (R 99)	TSG-S4	6.4.3	Approval	
SP-000261	TS 26.104 v1.0.0 ANSI-C code for the Floating-Point AMR Speech Codec (R 99)	TSG-S4	6.4.3	Information	
SP-000262	2 CRs on AMR	TSG-S4	6.4.3	Approval	
SP-000263	1 CR on TS 26.111: Codec(s) for Circuit Switched Multimedia Telephony Service: Modifications to H.324	TSG-S4	6.4.3	Approval	

NUMBER	TITLE	SOURCE	AGENDA ITEM	Document for	REPLACED BY
SP-000264	4 CRs to TS 26.131: Terminal Acoustic Characteristics for Telephony – Requirements	TSG-S4	6.4.3	Approval	
SP-000265	New WI Proposal on Packet Switched Mobile Streaming Application	TSG-S4	6.4.3	Approval	
SP-000266	Stability of 3GPP Releases	GSMA		Discussion	
SP-000267	SA WG3 report to SA#8	SA WG3 Chairman	6.3.1	Information	
SP-000268	Report of SA WG3 Meeting #11	SA WG3	6.3.1	Information	
SP-000269	Report of SA WG3 Meeting #12	SA WG3	6.3.1	Information	
SP-000270	Report of SA WG3 Meeting #13	SA WG3	6.3.1	Information	
SP-000271	5 Miscellaneous Release 1999 CRs to 33.102, 22.022, 33.103 and 33.105	SA WG3	6.3.3	Approval	
SP-000272	11 Corrective Release 1999 CRs to 33.102 v 3.4.0	SA WG3	6.3.3	Approval	SP-000349
SP-000273	4 Corrective Release 1999 CRs to 33.102 and 33.103 as requested by SA#7	SA WG3	6.3.3	Approval	
SP-000274	2 Functional Release 1999 CRs to 33.102	SA WG3	6.3.3	Approval	
SP-000275	CAMEL Phase 4 Priorities	Pacific Bell Wireless, Bell South Mobility, Vodafone AirTouch, diAx, T-Mobil	6.8.	Information	
SP-000276	Release 2000 Scope and Timescales	BT	4..	Discussion	
SP-000277	Project Plan, version 1.2	SA WG2	6.6.	Information	SP-000316
SP-000278	TR 21.801 v 1.0.1: Drafting Rules	MCC	8.1.	Approval	
SP-000279	CR005 to 21.900 version 3.2.0: Specification and work item handling	MCC	8.1.	Approval	
SP-000280	21.101v3.0.1: CR002R1: Eliminate elements moved to 21.100	MCC	8.1.	Approval	
SP-000281	SA WG2 Report to TSG SA #8	SA WG2 Chairman and MCC	6.2.1	Information	
SP-000282	CRs to 23.060	SA WG2	6.2.3	Approval	SP-000332
SP-000283	CRs to 03.32	SA WG2	6.2.3	Approval	
SP-000284	CRs to 03.71 and 23.171	SA WG2	6.2.3	Approval	
SP-000285	CRs to 23.107	SA WG2	6.2.3	Approval	
SP-000286	CRs to 23.127	SA WG2	6.2.3	Approval	
SP-000287	TR 23.821 version 1.0.0	SA WG2	6.2.3	Information	
SP-000288	Revised WI: Enable bearer independent circuit-switched network architecture (previous version in SP-000106)	SA WG2	6.2.3	Approval	
SP-000289	Revised WI: An architecture for Call control and roaming to support IP-based multimedia services in UMTS	SA WG2	6.2.3	Approval	
SP-000290	Proposed WI: Global Text Telephony	SA WG2	6.2.3	Approval	
SP-000291	Proposed WI: A feasibility study of an architecture for network requested PDP context activation with User-ID	SA WG2	6.2.3	Approval	
SP-000292	Proposed WI: Support of Location Services in UMTS, System and Core Network aspects	SA WG2	6.2.3	Approval	
SP-000293	Proposed WI: Transport and control separation in the PS CN domain	SA WG2	6.2.3	Approval	
SP-000294	Communication from ITU	3GPP PCG Chairman	5.3.	Discussion	
SP-000295	Communication from ETSI Digital Video Broadcast (DVB) Project	3GPP PCG Chairman	5.2.	Discussion	
SP-000296	SA WG3 WI Description: Access security for IP multimedia services	SA WG3	6.3.3	Approval	
SP-000297	SA WG3 WI Description: Network based end-to-end security	SA WG3	6.3.3	Approval	
SP-000298	SA WG3 WI Description: User plane security	SA WG3	6.3.3	Approval	
SP-000299	SA WG3 WI Description: MAP application layer protection	SA WG3	6.3.3	Approval	
SP-000300	SA WG3 WI Description: Core network security	SA WG3	6.3.3	Approval	
SP-000301	SA WG3 WI Description: Key management for core network security	SA WG3	6.3.3	Approval	
SP-000302	SA WG3 WI Description: OSA security	SA WG3	6.3.3	Approval	
SP-000303	SA WG3 WI Description: MExE security	SA WG3	6.3.3	Approval	
SP-000304	SA WG3 WI Description: FIGs	SA WG3	6.3.3	Approval	
SP-000305	SA WG3 WI Description: Visibility and configurability of security	SA WG3	6.3.3	Approval	
SP-000306	SA WG3 WI Description: Evolution of CS algorithms (A5/3 development and deployment)	SA WG3	6.3.3	Approval	
SP-000307	SA WG3 WI Description: Evolution of PS algorithms (GEA2 deployment)	SA WG3	6.3.3	Approval	
SP-000308	SA WG3 WI Description: GERAN security	SA WG3	6.3.3	Approval	
SP-000309	SA WG3 WI Description: Lawful interception architecture	SA WG3	6.3.3	Approval	
SP-000310	SA WG3 WI Description: General security enhancements	SA WG3	6.3.3	Approval	

NUMBER	TITLE	SOURCE	AGENDA ITEM	Document for	REPLACED BY
SP-000311	LS on interworking of low chiprate TDD with GSM, high chiprate TDD and FDD	TSG RAN	5.3.	Discussion	
SP-000312	IETF strategies	Ericsson			SP-000344
SP-000313	LS from TSG T to TSG SA on Requiremnets and scenarios for call handling	TSG T	7.3.	Discussion	
SP-000314	Proposed New Work Item for R2000 - The Standardisation of A Default Video Codec	BT	7.6.	Approval	
SP-000315	Report from the UMTS Forum	UMTS Forum		Information	
SP-000316	Report on the IMT-2000 results at WRC-2000	UMTS Forum	5.2.	Information	
SP-000317	Project Plan, version 1.2 (replaces SP-000277)	SA WG2	6.6.	Information	
SP-000318	3GPP IPR Progress Report	ETSI Legal Adviser	4..	Information	
SP-000319	Chairman's report from TSG RAN to TSG SA	TSG RAN Chairman	5.1.	Information	
SP-000320	Draft report of RAN Meeting #8	TSG RAN Secretary	7.2.	Information	
SP-000321	TR22.976	SA1	6.1.3	Information	
SP-000322	LS on Support of additional GPRS ciphering algorithms	TSG CN	7.1.	Discussion	
SP-000323	ASCI Release 2000 WI Description	STF139	6.9.	Approval	
SP-000324	3GPP meeting of calendar	MCC	11..	Information	SP-000335
SP-000325	New Homes for old specifications	MCC	8.2.	Discussion	
SP-000326	CN Status Summary Presentation	CN Chair	7.1.3.	Information	
SP-000327	CN Statu s Report	CN Chair	7.1.1	Information	
SP-000328	CR 21.9 V. 3.2.0 Addition of MS Visio to available tools	NTT DoCoMo			
SP-000329	Overall presentation on Project Planning and WI handling	SA2 Chair and MCC	6.6.	Approval	
SP-000330	IGC status on Project Planning	IGC Convenors	6.6.	Information	
SP-000331	E-mail security and virus protection	Nokia	8.3.	Discussion	
SP-000332	Revised CRs to 23.060	SA WG2	6.2.3	Approval	
SP-000333	SA WG5 status report	SA WG5 Chairman	6.5.1	Information	SP-000336
SP-000334	LIAISON TO 3GPP TSG SA REGARDING THE NEW ANF TO PERFORMANCE PARAMETERS	Rudolf Hasler (ETSI TC STQ)	5.2.	Discussion	
SP-000335	3GPP calendar of meetings	MCC	11..	Information	
SP-000336	SA WG5 status report	SA WG5 Chairman	6.5.1	Information	
SP-000337	Vision of road map for UMTS evolution	Drafting group	6.1 and 7.6	Decision	
SP-000338	Organisation of Releases	Nortel Networks	8.2.		
SP-000339	Report on the IMT-2000 results at WRC-2000	UMTS Forum	12..	Information	
SP-000340	Work Item sheets - situation at TSG-RAN #8	TSG RAN	7.2.	Information	
SP-000341	Study Item sheets - situation at TSG-RAN #8	TSG RAN	7.2.	Information	
SP-000342	Work process for 3GPP/IETF interactions	SA2	6.1.	Decision	
SP-000343	Report of Support Team activities	MCC (Adrian Scrase)	9..	Decision	
SP-000344	IETF strategies	AT&T, Nortel Networks, BT, Vodafone-Airtouch, Telia, NTT DoCoMo, France Telecom, Ericsson, Siemens, Nokia	7.7.	Discussion/ Decision	SP-000350
SP-000345	Transparent End-to-End Packet switched mobile streaming application	TSG-S4	6.4.3	Approval	
SP-000346	TSG T#8 Progress report slides	T Chairman	7.3.1	Information	
SP-000347	Release 00 New WI approved at TSG T#8	TSG T	7.3.2	Information	
SP-000348	3GPP Specifications status list at end of TSG#8 meeting	MCC	8.2.	Information	
SP-000349	11 Corrective Release 1999 CRs to 33.102 v 3.4.0	SA WG3	6.3.3	Approval	
SP-000350	IETF Management Strategy	AT&T, Nortel Networks, BT, Vodafone-Airtouch, Telia, NTT DoCoMo, France Telecom, Ericsson, Siemens, Nokia, Alcatel	7.7.	Discussion/ Decision	
SP-000351	Draft LS on UE split	UE Split Ad Hoc Group	10..	Approval	SP-000353
SP-000352	CR to Services & Service capabilities (22.105) Clarification of requirement in TS 22.105 for Delay	SA WG1	6.1.3	Approval	
SP-000353	Draft LS on UE split	UE Split Ad Hoc Group	10..	Approval	
SP-000354	Conclusions of R'00 Ad-Ho				
SP-000355	Open Issues for Release 99 List				

Annex C: List of attendees

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Annex D: Status list of Specifications and Reports after TSG SA Meeting #8 ("June 2000 Release")

See also: http://www.3gpp.org/TSG/2000-06.htm

Type	Number	Title	Ver at TSG#8	Rel	planned/ achieved V3	TSG/ WG	Editor	Comment
TS	21.100	3G specification handling procedures	1.0.0	R00		S	John M Meredith	TSG#8: 1.0.0
TS	21.101	3rd Generation mobile system Release 1999 Specifications	3.1.0	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(SP-000037),2.4.0(SP-000104),2.5(SP-000xxx) 3.0.0 post-TSG#8:3.1.0
TS	21.102	3rd Generation mobile system Release 2000 Specifications	1.0.0	R00	Dec 00	S	John M Meredith	TSG#8:1.0.0
TS	21.111	USIM and IC card requirements	3.2.0	R99	April 99	T3	Günter Maringer	TSG#7: 3.1.0 TSG#8:3.2.0
TS	21.133	Security Threats and Requirements	3.1.0	R99	April 99	S3	Per Christoffersson	.
TR	21.801	3GPP drafting rules	4.0.0	R00	Jun 00	S	John M Meredith	Formal doc created after TSG#7. (Was briefly 21.200) TSG#8:4.0.0 (1.0.1)
TR	21.810	Report on multi-mode UE issues; ongoing work and identified additional work	3.0.0	R99	Jun 00	T2	Sofi Persson	Was formerly 21.910. Renumbered at TSG#7.; TSG#7:2.0.0 - number changed from 21.910. Not approved. 2.0.0 TSG#8:3.0.0 (2.2.0)
TR	21.900	3GPP Working methods	3.3.0	R99	April 99	S	John M Meredith	TSG#8:3.3.0
TR	21.904	UE Capability Requirements (UCR)	3.1.0	R99	Mar 00	T2	Prem Sood	TSG-T#7 is the new target for approval as part of R99. TSG#7:2.0.0(TP-000026), 3.0.0 TSG#8:3.1.0 (will not be propagated to R00)
TR	21.905	3G Vocabulary	3.1.0	R99	Mar 00	S1	Michele Zarri	TSG#7:(SP-000072) 3.0.0 TSG#8:3.1.0
TR	21.910	Multi-mode UE issues; categories, principles and procedures	3.0.0	R99	Jun 00	T2	Sofi Persson	TSG#7: Renumbered to 21.810 and stopped. TSG#8: Resurected with modified title.; TSG#7: 2.0.0, but not approved. Number to be changed to 21.810. TSG#8: Re-instated with changed title and contents. TSG#8:3.0.0 (2.1.0)
TR	21.978	Feasibility Technical Report – CAMEL Control of VoIP Services	3.0.0	R99	Mar 00	N2	David Smith	Not approved N#6. TSG#8:3.0.0 (2.1.1)
TS	22.001	Principles of CircuitTelecommunication Services Supported by a Public Land Mobile Network (PLMN)	3.2.0	R99	Mar 00	S1	Tommi Kokkola	Transfer>TSG#5; Transfer>TSG#5. TSG#7: 3.2.0
TS	22.002	Circuit Bearer Services Supported by a PLMN	3.4.0	R99	Oct 99	S1	Paul Carpenter	Transfer>TSG#4,CR at TSG#5; TSG#7: 3.3.0 TSG#8:3.4.0
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	3.2.0	R99		S1	Tommi Kokkola	Transfer>TSG#5; 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	Transfer>TSG#5; TSG#7: 4.0.0
TS	22.004	General on Supplementary Services	3.2.1	R99	Oct 99	S1	Paul Carpenter	Transfer>TSG#4,CR at TSG#5; CR@TSG#6. TSG#7: 3.2.0
TS	22.011	Service accessibility	3.2.0	R99	Oct 99	S1	Jean-Paul Gallaire	Transfer>TSG#4,CR at TSG#5; TSG#7: 3.2.0 TSG#8:3.2.0
TS	22.011	Service accessibility	4.1.0	R00	Oct 99	S1	Jean-Paul Gallaire	Transfer>TSG#4,CR at TSG#5; TSG#7: 4.0.0 TSG#8:4.1.0
TS	22.016	International Mobile Equipment Identities (IMEI)	.	R00	Oct 99	S1	Tommi Kokkola	Transfer>TSG#4,CR at TSG#5; TSG#8: CR proposed creation, but not aprvd.
TS	22.016	International Mobile Equipment Identities (IMEI)	3.2.0	R99	Oct 99	S1	Tommi Kokkola	Transfer>TSG#4,CR at TSG#5; TSG#8:3.2.0
TS	22.022	Personalisation of GSM ME Mobile functionality specification - Stage 1	3.1.0	R99	Oct 99	S3		Transfer>TSG#4,CR at TSG#5; .
TS	22.024	Description of Charge Advice Information (CAI)	3.0.1	R99	Oct 99	S1	Paul Dwyer	Transfer>TSG#4,CR at TSG#5; .
TS	22.030	Man-Machine Interface (MMI) of the Mobile Station (MS)	3.3.0	R99	Oct 99	S1	Annukka Toivanen	Transfer>TSG#4,CR at TSG#5; TSG#7: 3.3.0
TS	22.034	High Speed Circuit Switched Data (HSCSD) - Stage 1	3.2.2	R99	Oct 99	S1	Tommi Kokkola	Transfer>TSG#4,CR at TSG#5; TSG#7: 3.2.0

TS	22.038	SIM application toolkit (SAT); Stage 1	3.2.0	R99	Oct 99	S1	Bill Robinson	Transfer>TSG#4; TSG#7: 3.1.0 TSG#8:3.2.0
TS	22.041	Operator Determined Call Barring	3.1.0	R99	Oct 99	S1	Paul Dwyer	Transfer>TSG#4,CR at TSG#5; .
TS	22.042	Network Identity and Time Zone (NITZ), stage 1	3.0.1	R99	Oct 99	S1	Mikael Dahlkvist	Transfer>TSG#4,CR at TSG#5; CR to 3.0.1 not aprvd.
TS	22.043	Support of Localised Service Area (SoLSA) - Stage 1	3.1.0	R99	Oct 99	S1	Tommi Kokkola	Transfer>TSG#4,CR at TSG#5; TSG#8:3.1.0
TS	22.053	Tandem Free Operation of speech codecs; Stage 1 service description	0.1.1	R00	tbd	S4		Transfer>TSG#4; .
TS	22.057	Mobile Station Application Execution Environment (MExE); Stage 1	3.0.1	R99	Oct 99	S1	Mark Cataldo	Transfer>TSG#4,CR at TSG#5; .
TS	22.060	General Packet Radio Service (GPRS); Stage 1	3.4.0	R99	Oct 99	S1	Paul Carpenter	Transfer>TSG#4,CR at TSG#5; TSG#7: 3.3.0 TSG#8:3.4.0
TS	22.060	General Packet Radio Service (GPRS); Stage 1	4.1.0	R00	Oct 99	S1	Paul Carpenter	Transfer>TSG#4,CR at TSG#5; TSG#7: 4.0.0 TSG#8:4.1.0
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	3.2.0	R99	Oct 99	S1		Transfer>TSG#4,CR at TSG#5; TSG#7:(not 3.2.0!) 3.1.0 TSG#8:3.2.0
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP) - Stage 1	3.0.1	R99	Oct 99	S1	Joerg Swetina	Transfer>TSG#4,CR at TSG#5; .
TS	22.071	Location Services (LCS); Stage 1 (T1P1)	3.2.0	R99	Oct 99	S1	Randolph Wholert	Transfer>TSG#4,CR at TSG#5; .
TS	22.071	Location Services (LCS); Stage 1 (T1P1)	4.0.0	R00	Oct 99	S1	Randolph Wholert	Transfer>TSG#4,CR at TSG#5; based on 3.2.0 TSG#8:4.0.0
TS	22.072	Call Deflection (CD); Stage 1	3.0.1	R99	Oct 99	S1	Horst Rauch	Transfer>TSG#4,CR at TSG#5; .
TS	22.078	CAMEL; Stage 1	3.4.0	R99	Oct 99	S1	Michel Grech	Transfer>TSG#4,CR at TSG#5; TSG#7: 3.3.0 TSG#8:3.4.0
TS	22.079	Support of Optimal Routing; Stage 1	3.0.1	R99	Oct 99	S1		Transfer>TSG#4,CR at TSG#5; .
TS	22.081	Line Identification Supplementary Services; Stage 1	3.2.0	R99	Oct 99	S1	Thomas Ahnberg	Transfer>TSG#4,CR at TSG#5; TSG#8:3.2.0
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	3.0.1	R99	Oct 99	S1	Jean Paul Gallaire	Transfer>TSG#4,CR at TSG#5; .
TS	22.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 1	3.0.1	R99	Oct 99	S1		Transfer>TSG#4,CR at TSG#5; .
TS	22.084	MultiParty (MPTY) Supplementary Service; Stage 1	3.0.1	R99	Oct 99	S1		Transfer>TSG#4,CR at TSG#5; .
TS	22.085	Closed User Group (CUG) Supplementary Services; Stage 1	3.1.0	R99	Oct 99	S1		Transfer>TSG#4,CR at TSG#5; .
TS	22.086	Advice of Charge (AoC) Supplementary Services; Stage 1	3.1.0	R99	Oct 99	S1	Paul Dwyer	Transfer>TSG#4,CR at TSG#5; #5: 3.1.0
TS	22.087	User-to-user signalling (UUS); Stage 1	3.1.0	R99	Oct 99	S1	Christian Braden	Transfer>TSG#4,CR at TSG#5; #5: 3.0.1, but should have been 3.1.0 to include a CR wrongly attributed to 22.086.
TS	22.088	Call Barring (CB) Supplementary Services; Stage 1	3.0.1	R99	Oct 99	S1		Transfer>TSG#4,CR at TSG#5; .
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	3.1.0	R99	Oct 99	S1	Tommi Kokkola	Transfer>TSG#4,CR at TSG#5; TSG#7: 3.1.0
TS	22.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 1	3.0.1	R99	Oct 99	S1		Transfer>TSG#4,CR at TSG#5; .
TS	22.093	Call Completion to Busy Subscriber (CCBS); Stage 1	3.0.1	R99	Oct 99	S1		Transfer>TSG#4,CR at TSG#5; .
TS	22.094	Follow Me Stage 1	3.1.0	R99	Dec 99	S1		Transfer>TSG#4. GSM only @TSG#5; Transfer>TSG#6
TS	22.096	Calling Name Presentation (CNAP); Stage 1 (T1P1)	3.0.1	R99	Oct 99	S1		Transfer>TSG#4,CR at TSG#5; .
TS	22.097	Multiple Subscriber Profile (MSP); Stage 1	3.1.0	R99	Oct 99	S1	Paul Dwyer	Transfer>TSG#4,CR at TSG#5; .
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 says 3.5.0 is the good version. TSG#7: 3.6.0
TS	22.101	UMTS Service principles	3.a.0	R99	April 99	S1	Paul Dwyer	TSG#7: 3.9.0 TSG#8:3.10.0
TS	22.101	UMTS Service principles	4.0.0	R00	April 99	S1	Paul Dwyer	based on 3.9.0 TSG#8:4.0.0
TS	22.105	Services & Service capabilities	3.9.0	R99	April 99	S1	Wayne Ashwell	TSG#7: 3.8.0 TSG#8:3.9.0
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	3.3.0	R99	Jun 99	S1	Jumoke Ogunbekum	TSG#7: 3.2.0 TSG#8:3.3.0
TS	22.129	Handover Requirements between UMTS and GSM or other Radio Systems	3.3.0	R99	April 99	S1	Nick Samson	TSG#8:3.3.0
TS	22.135	Multicall Stage 1	3.3.0	R99	Dec 99	S1	Tommi Kokkola	TSG#7: 3.2.0 TSG#8:3.3.0
TS	22.140	Multimedia Messaging Service Stage 1	3.1.0	R99	Dec 99	S1	Gunnar Schmidt	(development in T2); TSG#8:3.1.0

TS	22.140	Multimedia Messaging Service Stage 1	4.0.1	R00	Dec 99	S1	Gunnar Schmidt	(development in T2); based on 3.0.0 TSG#8:4.0.0
TS	22.226	Global text telephony; stage 1: Service description	0.0.0	R00	Dec 00	S1	G Hellstrom	WI approved TSG#7
TR	22.907	Terminal concepts	3.1.3	R00	April 99	S1	Mika Tolvanen	CR at TSG#4 Not maintained; Withdrawn (Clayton 2000-02-11)
TR	22.924	Charging and accounting mechanisms	3.1.1	R99	April 99	S1	Emanuele Montegrosso	.
TR	22.925	Quality of service and network performance	3.1.1	R99	April 99	S1	Olle Eriksson	.
TR	22.945	Study of provision of fax service in GSM and UMTS	3.0.0	R99	Oct 99	T2 / SMG03	Eric Colban	.
TR	22.960	Mobile multimedia services	3.0.1	R99	April 99	S1	Thomas Ahnberg	.
TR	22.970	Virtual Home Environment Report	3.0.1	R99	April 99	S1	Jumoke Ogunbekum	.
TR	22.971	Automatic establishment of roaming relationships	3.1.1	R99	April 99	S1	Emanuele Montegrosso	.
TR	22.972	Circuit-switched multimedia	0.0.0	R99	Dec 99	S1		Title grows "cct sw".; Withdrawn (Clayton 2000-02-11)
TR	22.975	Advanced addressing	3.1.0	R99	April 99	S1	Stephan Kleier	.
TR	22.976	Study on PS domain services and capabilities	2.0.0	R00	Dec 00	S1	Marc Cataldo	Created Jan-00; TSG#7:(SP-000073) 1.0.0 TSG#8:2.0.0
TS	23.002	Network Architecture	3.3.0	R99	Oct 99	S2	Alain Sultan	Transfer>TSG#4,CR at TSG#5; Open issues to be finalized by TSG#7. TSG#7: 3.3.0
TS	23.003	Numbering, Addressing and Identification	3.5.0	R99	April 99	N4		TSG#7: 3.4.0 TSG#8:3.5.0
TS	23.007	Restoration procedures	3.4.0	R99	April 99	N4		TSG#7: 3.3.0 TSG#8:3.4.0
TS	23.008	Organisation of subscriber data	3.4.0	R99	April 99	N4		TSG#7: 3.3.0 TSG#8:3.4.0
TS	23.009	Handover procedures	3.3.0	R99	April 99	N1	Rouzbeh Farhoumand	TSG#7: 3.2.0 TSG#8:3.3.0
TS	23.010	GSM Public Land Mobile Network (PLMN) Connection Types	3.0.0	R99		N3		superseded by 23.910; TSG#7:3.0.0 - later scrapped
TS	23.011	Technical Realization of Supplementary Services - General Aspects	3.0.1	R99	April 99	N4		.
TS	23.012	Location management procedures	3.3.0	R99	April 99	N4		TSG#7: 3.2.0 TSG#8:3.3.0
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	3.1.0	R99	April 99	N1		Should not be in UMTS ????; .
TS	23.015	Technical realisation of Operator Determined Barring (ODB)	3.1.0	R99	April 99	N4	Ian Park	.
TS	23.016	Subscriber data management - Stage 2	3.5.0	R99	April 99	N4		TSG#7: 3.4.0 TSG#8:3.5.0
TS	23.018	Basic Call Handling - Technical realisation	3.5.0	R99	April 99	N4	Ian Park	TSG#7: 3.4.0 TSG#8:3.5.0
TS	23.022	Functions related to Mobile Station (MS) in idle mode	3.1.0	<?>		N1		Superseded by 23.122; 3.1.0 dates from June 99
TS	23.032	Universal Geographical Area Description (GAD)	3.1.0	R99	April 99	S2		S2 responsibility?; TSG#7: 3.1.0
TS	23.034	High Speed Circuit Switched Data (HSCSD) - Stage 2	3.2.0	R99	April 99	N1	Janne Muhonen	TSG#7: 3.2.0
TS	23.038	Alphabets & Language	3.3.0	R99	Jun 99	T2	Ian Harris	additional CR for R99 on SMS enhanced message content expected at TSG-T#7. No, evidently not.
TS	23.038	Alphabets & Language	4.0.0	R00	Jun 99	T2	Ian Harris	based on 3.3.0 TSG#8:4.0.0
TR	23.039	Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)	3.1.0	R99	Jun 99	T2	Ian Harris	.
TS	23.040	Technical realisation of Short Message Service	3.5.0	R99	Jun 99	T2	Ian Harris	additional CR for R99 on SMS enhanced message content expected at TSG-T#7: TSG#7: 3.4.0 TSG#8:3.5.0
TS	23.040	Technical realisation of Short Message Service	4.0.0	R00	Jun 99	T2	Ian Harris	based on 3.4.0 TSG#8:4.0.0
TS	23.041	Technical Realization of Cell Broadcast Service	3.2.0	R99	Oct 99	T2		Transfer>TSG#4; additional CR for R99 on UMTS amendments expected at TSG-T#7. TSG#7: 3.2.0
TS	23.042	Compression algorithm for SMS	3.1.0	R99	Jun 99	T2	Ian Harris	.
TS	23.043	Support of Videotex	3.0.0	R99		CN		3.0.0 Apr 99 - later scrapped
TS	23.044	Support of Teletex	3.0.0	R99		CN		3.0.0 Apr 99 - later scrapped
	23.045	Technical Realization of Facsimile Group 3 Service - transparent	3.0.0	R99		N3		Version 8.x.x exists; 3.0.0 Apr 99 - reverts to 03.45 v8.0.0

TS	23.046	Technical realisation of facsimile Group 3 service - non-transparent	3.0.0	<?>		N3		superseded by 23.146; 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 (MExE)	3.2.0	R99	Dec 99	T2	Mark Cataldo	TSG#7: 3.1.0 TSG#8:3.2.0
TS	23.060	General Packet Radio Service (GPRS) Service description; Stage 2	3.4.0	R99	Apr 99	S2	Hans-Petter Naper	Transfer>TSG#4, CR at TSG#5; Open issues to be finalized by TSG#7 (expect 3.2.1 2000-01-12). TSG#7: 3.3.0 TSG#8:3.4.0
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	3.3.0	R99	Oct 99	N4	Luis Lopez Soria	Transfer>TSG#4, CR at TSG#5; TSG#7: 3.2.0 TSG#8:3.3.0
TS	23.067	Enhanced Multi-Level Precedence and Preemption Service (EMLPP) - Stage 2	3.1.0	R99	April 99	N4		TSG#7: 3.1.0
TS	23.070	Routeing of calls to/from Public Data Networks (PDN) and the GSM Public Land Mobile Network (PLMN)	3.0.0	R99	Apr 99	N3	L Kosydar	N3 indicates not required for R99, so revert to 03.70 R98.; withdrawn N#6
TS	23.071	Location services (LCS) stage 2	3.0.0	R99		R2	David Steer	superseded by 25.305; .
TS	23.072	Call Deflection Supplementary Service - Stage 2	3.2.0	R99	April 99	N4		.
TS	23.073	Support of Localised Service Area (SoLSA) - Stage 2	3.0.1	R99	Oct 99	N4		Transfer>TSG#4; .
TS	23.078	CAMEL Stage 2	3.5.0	R99	April 99	N2	Christian Hohmann/ Sumio Miyagawa	CR at TSG#4,CR at TSG#5; TSG#7:Aprvl CRs 56r3 & 18 by e-mail by 31-mar-00. 3.4.0 TSG#8:3.5.0
TS	23.079	Support of Optimal Routeing - Phase 1 - Stage 2	3.5.0	R99	April 99	N4	Ian Park	CR at TSG#4,CR at TSG#5; TSG#7: 3.3.0 TSG#8:3.5.0
TS	23.081	Line Identification Supplementary Services - Stage 2	3.1.0	R99	April 99	N4 (ex NSS)		TSG#8:3.1.0
TS	23.082	Call Forwarding (CF) Supplementary Services - Stage 2	3.3.0	R99	April 99	N4 (ex NSS)		TSG#7: 3.2.0 TSG#8:3.3.0
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service - Stage 2	3.1.0	R99	April 99	N4 (ex NSS)		.
TS	23.084	MultiParty (MPTY) Supplementary Service - Stage 2	3.1.0	R99	April 99	N4 (ex NSS)		.
TS	23.085	Closed User Group (CUG) Supplementary Service - Stage 2	3.0.1	R99	April 99	N4 (ex NSS)		.
TS	23.086	Advice of Charge (AoC) Supplementary Service - Stage 2	3.0.1	R99	April 99	N4 (ex NSS)		.
TS	23.087	User-to-User Signalling (UUS) - Stage 2	3.0.1	R99	April 99	N4 (ex NSS)		.
TS	23.088	Call Barring (CB) Supplementary Service - Stage 2	3.1.0	R99	April 99	N4 (ex NSS)		TSG#7: 3.2.0
TS	23.090	Unstructured Supplementary Service Data (USSD) - Stage 2	3.1.0	R99	April 99	N4 (ex NSS)		.
TS	23.091	Explicit Call Transfer (ECT) Supplementary Service - Stage 2	3.1.0	R99	April 99	N4 (ex NSS)		.
TS	23.093	Call Completion to Busy Subscriber (CCBS) - Stage 2	3.1.0	R99	April 99	N4 (ex NSS)		.
TS	23.094	Follow Me Stage 2	3.1.0	R99	Dec 99	N4 (ex SMG3)		Transfer>TSG#4. GSM only @TSG#5; Transfer>TSG#6. TSG#7: 3.1.0
TS	23.096	Name Identification Supplementary Service - Stage 2	3.0.1	R99	April 99	N4 (ex NSS)		.
TS	23.097	Multiple Subscriber Profile (MSP); Stage 2	3.1.1	R99	Oct 99	N4 (ex NSS)		Transfer>TSG#4,CR at TSG#5; TSG#7: 3.1.1
TS	23.101	General UMTS Architecture	3.0.1	R99	Jun 99	S2	Magnus Olsson	.
TS	23.107	Quality of Service, Concept and Architecture	3.3.0	R99	Oct 99	S2	Marc Greis	was 23.907; TSG#7: 3.2.0 TSG#8:3.3.0

TS	23.108	Mobile Radio Interface Layer 3 specification Core Network Protocols stage 2 (structured procedures)	3.2.0	R99	Jun 99	N1	Apostolis Salkintzis	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	N4	Nicholas Allen	New after TSG#5; TSG#7:2.1.0, 3.0.0
TS	23.119	Gateway Location Register (GLR) - Stage2	3.0.0	R99	Mar 00	N4	Masahiro Sawada	New after TSG#5; Functionally frozen by CN#6, CN#7 is the new target for approval as part of R99. TSG#7:2.0.0 (NP-000108) 3.0.0
TS	23.121	Architecture Requirements for release 99	3.3.0	R99	Jun 99	S2	Liz Daniel	TSG#7: 3.3.0
TS	23.122	Non Access Stratum functions related to Mobile Station (MS) in idle mode	3.3.0	R99	April 99	N1	Hannu Hietalahti	Created at TSG#6, CR@TSG#6, Was briefly 23.022. But regenerated from 03.22 in June99. Expect 3.1.0 to correct erroneous incorporation of a CR. Expect 3.1.1 to undo erroneously incorporated CR. TSG#7: 3.2.0 TSG#8:3.3.0
TS	23.127	Virtual Home Environment / Open Service Architecture	3.1.0	R99	Mar 00	S2	Christophe Gourraud	TSG#7:2.0.0 (SP-000089) 3.0.0 TSG#8:3.1.0
TS	23.135	Multicall Stage 2	3.1.0	R99	Mar 00	N4 (ex NSS)	Kazuo Mitamura	TSG#7:1.1.0->3.0.0 3.0.0 TSG#8:3.1.0
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	4.0.0	R00	Mar 00	N3	Junichuro Hagiwara	New @ TSG#6, Circuit switched type of Real time Non transparent FAX specification. TSG#7:1.1.0 "but not stable enough to be made available"! N3#10: 2.0.0 TSG#8:4.0.0 (2.0.0)
TS	23.153	Out of Band Transcoder Control - Stage 2	2.0.0	R99	Mar 00	N4		New after TSG#5; TSG#7:2.0.0 [argument in SA over r99 or r00] concl: not approved.
TS	23.171	Functional stage 2 description of location services in UMTS	3.1.0	R99	Mar 00	S2	Jan Kåll	TSG#7:2.0.0 (SP-000090), 3.0.0 TSG#8:3.1.0
TS	23.226	Global text telephony; stage 2: Architecture	0.0.0	R00	Dec 00	N4	G Hellstrom	WI approved TSG#7
TS	23.227	Terminal local model	0.0.0	R00		T2	Carl Gustavsson	.
TS	23.228	IP multimedia subsystem; stage 2	.	R00	Dec 00	S2		
TS	23.271	Functional stage 2 description of location services	.	R00	Dec 00	S2	Jan Kåll	post-TSG#8: Recombined 2G and 3G spec for R00 onwards.; post-TSG#8: Recombined 2G and 3G spec.
TR	23.814	Separating RR and MM specific parts of the MS Classmark	3.1.0	R99	Dec 99	N1	F Yokota	New after TSG#5; TSG #5: 3.0.0: accidentally 3.1.0, but no tech change.
TR	23.821	Architecture Principles for Relase2000	1.0.1	R00	Jun 00	S2	Christer Lind	New after TSG#5; TSG#8:1.0.0
TR	23.873	Feasibility study fro transport and control separation in the PS CN domain	.	R00		S2		
TR	23.908	Technical report on Pre-Paging	3.0.1	R99	Jun 99	N4		.
TR	23.909	Technical report on the Gateway Location Register	3.0.1	R99	Jun 99	N4		.
TR	23.910	Circuit Switched Data Bearer Services	3.1.0	R99	Mar 00	N3	Achim Braun / Erik Colban	03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval); TSG#6: 1.0.0 TSG#7:2.0.0->3.0.0 TSG#8:3.1.0
TR	23.911	Technical report on Out-of-band transcoder control	3.0.1	R99	Oct 99	N4		.
TR	23.912	Technical report on Super-Charger	3.0.2	R99	Oct 99	N4	Ian Sharp	.
TR	23.913	UMTS Turbo-Charger	1.0.0	R00	Jun 00	N1	Sonia Doshi	New after TSG#5; .
	23.920	Evolution of the GSM platform towards UMTS	3.1.0	R99				Stopped TSG#6
TR	23.922	Architecture for an All IP network	1.0.0	R99		S2		TSG#5: 1.0.0; 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	23.927	VHE, Open Service Architecture	0.1.0	R99	Dec 99	S2		Replaced by 23.127; Withdrawn (Clayton 2000-02-11).
TR	23.930	Iu Principles	3.0.0	R99	Jun 99	S2		.

TR	23.960	Framework of network functions to support multimedia services	0.1.0	<?>		S2		
TR	23.972	Circuit Switched Multimedia Telephony	3.0.0	R99	Mar 00	N1	Timo Kauhanen	New after TSG#5. Minor title change TSG#7.; TSG#7:1.0.0 (NP-000103), 3.0.0
TS	24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	3.0.0	R99	Mar 00	N1	P.Simmons	TSG#7: 3.0.0
TS	24.007	Mobile Radio Interface Signalling Layer 3 - General Aspects	3.4.0	R99	Oct 99	N1	Andrew Howell	Transfer>TSG#4,CR at TSG#5; TSG#7: 3.3.0 TSG#8:3.4.0
TS	24.008	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	3.4.0	R99	April 99	N1	Andrew Howell	CR correction produced 3.0.1, CR at TSG#5. Outstanding issues not expected to be resolved till Jun00.; CR@TSG#6, editorial mod later. TSG#7: 3.3.0 TSG#8:3.4.0
TS	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	3.1.0	R99	April 99	N4 (ex NSS)		TSG#8:3.1.0
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	3.3.0	R99	Oct 99	N1 / T2	Uda Nobuyuki	Transfer>TSG#4; TSG#7: 3.2.0 TSG#8:3.3.0
TS	24.012	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	3.0.0	R99	Oct 99	N4 / T2		Transfer>TSG#4; .
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	3.3.0	R99	April 99	N3	Norbert Klehn	CR at TSG#4 (post TSG#4 approval) includes title change; TSG#8:3.3.0
TS	24.030	Location Services LCS Stage 3 SS (MO-LR)	3.1.0	R99		N4 / SMG03	Sonia Doshi	TSG#7: txfrd from SMG to 3GPP for R99.; TSG#7:Decision to create. TSG#8:3.1.0
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	Withdrawn	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	N4 (ex NSS)		.
TS	24.072	Call Deflection Supplementary Service - Stage 3	3.0.0	R99	April 99	N4 (ex NSS)		.
TS	24.080	Mobile radio Layer 3 Supplementary Service specification - Formats and coding	3.3.0	R99	April 99	N4 (ex NSS)		T1P1 CR @TSG#6. TSG#7: 3.2.0 TSG#8:3.3.0
TS	24.081	Line Identification Supplementary Service - Stage 3	3.1.0	R99	April 99	N4 (ex NSS)		TSG#8:3.1.0
TS	24.082	Call Forwarding Supplementary Service - Stage 3	3.0.0	R99	April 99	N4 (ex NSS)		.
TS	24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service - Stage 3	3.0.0	R99	April 99	N4 (ex NSS)		.
TS	24.084	MultiParty (MPTY) Supplementary Service - Stage 3	3.0.0	R99	April 99	N4 (ex NSS)		.
TS	24.085	Closed User Group (CUG) Supplementary Service - Stage 3	3.0.0	R99	April 99	N4 (ex NSS)		.
TS	24.086	Advice of Charge (AoC) Supplementary Service - Stage 3	3.0.0	R99	April 99	N4 (ex NSS)		.
TS	24.087	User-to-User Signalling (UUS) - Stage 3	3.0.0	R99	April 99	N4 (ex NSS)		.
TS	24.088	Call Barring (CB) Supplementary Service - Stage 3	3.0.0	R99	April 99	N4 (ex NSS)		.
TS	24.090	Unstructured Supplementary Service Data (USSD) - Stage 3	3.0.0	R99	April 99	N4 (ex NSS)		.

TS	24.091	Explicit Call Transfer (ECT) Supplementary Service - Stage 3	3.0.0	R99	April 99	N4 (ex NSS)		.
TS	24.093	Call Completion to Busy Subscriber (CCBS) - Stage 3	3.0.0	R99	April 99	N4 (ex NSS)		.
TS	24.094	Follow Me - Stage 3	.	<?>		N4 (ex NSS)		TF139 proposes to abandon; not needed. USSD does all.; USSD does all. No draft expected.
TS	24.096	Name Identification Supplementary Service - Stage 3	3.0.0	R99	April 99	N4 (ex NSS)		.
TS	24.135	Multicall Stage 3	3.1.0	R99	Mar 00	N4 (ex NSS)	Kazuo Mitamura	TSG#7:1.0.0->3.0.0 TSG#8:3.1.0
TS	25.053	Tandem Free Operation (TFO); Service description; Stage 2	.	<?>				No draft. Anyway, should have been 23.053.; no draft ever materialised
TS	25.101	UE Radio transmission and reception (FDD)	3.3.0	R99	Oct 99	R4	Edgar Fernandes	TSG#7: 3.2.0 TSG#8:3.3.0
TS	25.102	UE Radio transmission and reception (TDD)	3.3.0	R99	Oct 99	R4	Meik Kottkamp	TSG#7: 3.2.0 TSG#8:3.3.0
TS	25.103	RF parameters in support of RRM	2.0.0	R99	Dec 99	R4	Daniele Franceschini	Withdrawn in favour of 25.123 & 25.133; Withdrawn
TS	25.104	UTRA (BS) FDD; Radio transmission and reception	3.3.0	R99	Oct 99	R4	Johan Sköld	TSG#7: 3.2.0 TSG#8:3.3.0
TS	25.105	UTRA (BS) TDD: Radio transmission and reception	3.3.0	R99	Oct 99	R4	Meik Kottkamp	TSG#7: 3.2.0 TSG#8:3.3.0
TS	25.106	UTRA Repeater; Radio transmission and reception	0.0.1	R00		R4	Martin Nilsson	.
TS	25.107	UTRA Repeater; Conformance testing	0.0.1	R00		R4	Martin Nilsson	-> 25.143; Scrapped in favour of 25.143
TS	25.113	Base station EMC	3.2.0	R99	Dec 99	R4	Esa Barck	TSG#7: 3.1.0 TSG#8:3.2.0
TS	25.123	Requirements for support of radio resource management (TDD)	3.2.0	R99	Dec 99	R4	Daniele Franceschini	TSG#7: 3.1.0 TSG#8:3.2.0
TS	25.133	Requirements for support of radio resource management (FDD)	3.2.0	R99	Dec 99	R4	Daniele Franceschini	TSG#7: 3.1.0 TSG#8:3.2.0
TS	25.141	Base station conformance testing (FDD)	3.2.0	R99	Dec 99	R4	Takaharu Nakamura	TSG#7: 3.1.0 TSG#8:3.2.0
TS	25.142	Base station conformance testing (TDD)	3.2.0	R99	Dec 99	R4	Juergen Meyer	TSG#7: 3.1.0 TSG#8:3.2.0
TS	25.143	UTRA Repeater; Conformance testing	0.0.0	R00		R4	Martin Nilsson	Created by renumbering 25.107; Was to have been 25.107. But never was.
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: 3.0.2 TSG#8:3.1.0
TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	3.3.0	R99	Oct 99	R1	Andreas Wilde	TSG#7: 3.2.0 TSG#8:3.3.0
TS	25.212	Multiplexing and channel coding (FDD)	3.3.0	R99	Oct 99	R1	Yoshinori Tanaka	TSG#7: 3.2.0 TSG#8:3.3.0
TS	25.213	Spreading and modulation (FDD)	3.3.0	R99	Oct 99	R1	Peter Chambers	TSG#7: 3.2.0 TSG#8:3.3.0
TS	25.214	Physical layer procedures (FDD)	3.3.0	R99	Oct 99	R1	Takehiro Nakamura	TSG#7: 3.2.0 TSG#8:3.3.0
TS	25.215	Physical layer; Measurements (FDD)	3.3.0	R99	Oct 99	R1		TSG#7: 3.2.0 TSG#8:3.3.0
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	3.3.0	R99	Oct 99	R1	Katsuhiko Hiramatsu	TSG#7: 3.2.0 TSG#8:3.3.0
TS	25.222	Multiplexing and channel coding (TDD)	3.3.0	R99	Oct 99	R1	Jussi Kahtava	TSG#7: 3.2.0 TSG#8:3.3.0
TS	25.223	Spreading and modulation (TDD)	3.3.0	R99	Oct 99	R1	Kenji Ito	TSG#7: 3.2.0 TSG#8:3.3.0
TS	25.224	Pphysical layer procedures (TDD)	3.3.0	R99	Oct 99	R1	Stefan Oestreich	TSG#7: 3.2.0 TSG#8:3.3.0
TS	25.225	Physical layer; Measurements (TDD)	3.3.0	R99	Oct 99	R1		TSG#7: 3.2.0 TSG#8:3.3.0
TS	25.301	Radio Interface Protocol Architecture	3.5.0	R99	April 99	R2	Wolfgang Granzow	TSG#7: 3.4.0 TSG#8:3.5.0
TS	25.302	Services provided by the physical layer	3.5.0	R99	Oct 99	R2	Claudiu Mihailescu	V3.0.0 approved via e-mail July 99 CR at TSG#5?; TSG#7: 3.4.0 TSG#8:3.5.0
TS	25.303	UE functions and inter-layer procedures in connected mode	3.4.0	R99	Jun 99	R2	Mikko J.Rinne	TSG#7: 3.3.0 TSG#8:3.4.0
TS	25.304	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	3.3.0	R99	Oct 99	R2	Tommi Leivonen	TSG#7: 3.2.0 TSG#8:3.3.0

TS	25.305	Stage 2 Functional Specification of Location Services in UTRAN (LCS)	3.2.0	R99	Mar 00	R2	Claudiu Mihailescu	Created from 25.923; TSG#7: 3.1.0 TSG#8:3.2.0
TS	25.321	Medium Access Control (MAC) Protocol Specification	3.4.0	R99	Jun 99	R2	Armin Sitte	TSG#7: 3.3.0 TSG#8:3.4.0
TS	25.322	Radio Link Control (RLC) Protocol Specification	3.3.0	R99	Oct 99	R2	Daniele Franceschini	TSG#7: 3.2.0 TSG#8:3.3.0
TS	25.323	Packet Data Convergence Protocol (PDCP) protocol	3.2.0	R99	Dec 99	R2	Martin Hans	TSG#7: 3.1.0 TSG#8:3.2.0
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	3.3.0	R99	Oct 99	R2	Richard Burbridge	TSG#7: 3.2.0 TSG#8:3.3.0
TS	25.371	LMU signalling	0.0.0	R00	Mar 00	R2	M. Mouly	Created Jan 00; wdrwn Apr00; First draft: Jan2000
TS	25.401	UTRAN Overall Description	3.3.0	R99	Oct 99	R3	Jean-Marie Calmel	Approval at TSG#5; TSG#7: 3.2.0 TSG#8:3.3.0
TS	25.402	Synchronisation in UTRAN Stage 2	3.2.0	R99	Dec 99	R3	Flavio Piolini	New; TSG#7: 3.1.0 TSG#8:3.2.0
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	3.2.0	R99	Oct 99	R3	Richard Townend	Approval at TSG#5; TSG#7: 3.2.0
TS	25.411	UTRAN Iu interface Layer 1	3.2.0	R99	Jun 99	R3	Achim Brandt	TSG#7: 3.2.0
TS	25.412	UTRAN Iu interface signalling transport	3.4.0	R99	Jun 99	R3	Kiran Thakare	TSG#7: 3.3.0 TSG#8:3.4.0
TS	25.413	UTRAN Iu interface RANAP signalling	3.2.0	R99	Dec 99	R3	Jyrki Jussila	TSG#7: 3.1.0 TSG#8:3.2.0
TS	25.414	UTRAN Iu interface data transport & transport signalling	3.4.0	R99	Jun 99	R3	David Comstock	TSG#7: 3.3.0 TSG#8:3.4.0
TS	25.415	UTRAN Iu interface user plane protocols	3.3.0	R99	Oct 99	R3	Alain Maupin	Approval at TSG#5; TSG#7: 3.2.0 TSG#8:3.3.0
TS	25.419	UTRAN Iu interface: Cell broadcast protocols between SMS-CBC and RNC	3.1.0	R99	Mar 00	R3	carolyn Taylor	Created #6.; TSG#7: 2.0.0 (RP-000113) 3.0.0 TSG#8:3.1.0
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	Jun 99	R3	Achim Brandt	.
TS	25.422	UTRAN Iur interface signalling transport	3.4.0	R99	Jun 99	R3	Kiran Thakare	TSG#7: 3.3.0 TSG#8:3.4.0
TS	25.423	UTRAN Iur interface RNSAP signalling	3.2.0	R99	Dec 99	R3	Göran Rune	TSG#7: 3.1.0 TSG#8:3.2.0
TS	25.424	UTRAN Iur interface data transport & transport signalling for CCH data streams	3.3.0	R99	Jun 99	R3	Nicolas Drevon	TSG#7:cr was to 3.0.0 3.2.0 TSG#8:3.3.0
TS	25.425	UTRAN Iur interface user plane protocols for CCH data streams	3.2.0	R99	Oct 99	R3	Nicolas Drevon	TSG#7: 3.1.0 TSG#8:3.2.0
TS	25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	3.3.0	R99	Jun 99	R3	Sami Kekki	TSG#7:cr was to 3.0.0 3.2.0 TSG#8:3.3.0
TS	25.427	UTRAN Iur and Iub interface user plane protocols for DCH data streams	3.3.0	R99	Oct 99	R3	Fabio Longoni	TSG#7: 3.2.0 TSG#8:3.3.0
TS	25.430	UTRAN Iub Interface: General Aspects and Principles	3.2.0	R99	Dec 99	R3	Mick Wilson	TSG#7: 3.1.0 TSG#8:3.2.0
TS	25.431	UTRAN Iub interface Layer 1	3.0.0	R99	Jun 99	R3	Achim Brandt	.
TS	25.432	UTRAN Iub interface signalling transport	3.1.0	R99	Jun 99	R3	Mick Wilson	.
TS	25.433	UTRAN Iub interface NBAP signalling	3.2.0	R99	Dec 99	R3	Nobutaka Ishikawa	TSG#7: 3.1.0 TSG#8:3.2.0
TS	25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	3.2.0	R99	Jun 99	R3	Magnus Aldén	TSG#7: 3.2.0
TS	25.435	UTRAN Iub interface user plane protocols for CCH data streams	3.3.0	R99	Oct 99	R3	Jean-Marie Calmel	TSG#7: 3.2.0 TSG#8:3.3.0
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	.
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	1.1.0	R99	Mar 00	R1		Created Jan 2000 (aka R1.03); TSG#8:1.1.0
TR	25.834	UTRA TDD low chip rate option; Radio protocol aspects	.	R00	Dec 00	R2		
TR	25.835	Report on hybrid ARQ type II/III	.	R00	Dec 00	R2		
TR	25.836	Node B synchronization for TDD	.	R00	Mar 01	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	3.2.0	R99	Dec 99	R2	Nicola Pio Magnani	TSG#7: 3.1.0 TSG#8:3.2.0

TR	25.923	Stage 2 Functional Specification of Location Services in UTRAN	1.4.0	R99		R2	David Steer	superseded by 25.305; .
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	3.1.0	R99	Mar 00	R2	Johan Lundsjo	TSG#7:2.0.0 (RP-000052), 3.0.0 TSG#8:3.1.0
TR	25.928	1,28Mcps UTRA TDD Physical Layer	1.0.0	R00	Jun 00	R1	Mirko Aksentijevic	Created R1#10, Jan 99.; anticipated TSG#8; TSG#7:0.0.2 (RP-000091) 0.0.3 (RP-000158) 0.0.3 TSG#8:1.0.0 (0.2.0)
TR	25.931	UTRAN Functions, examples on signalling procedures	3.0.0	R99	Mar 00	R3	Enrico Scarrone	New; TSG#7:1.2.4 (RP-000125) 1.2.4 TSG#8:2.0.0
TR	25.932	Delay budget within the access stratum	1.0.0	R00	Dec 00	R3		TSG#8:1.0.0
TR	25.933	IP Transport in UTRAN	0.0.0	R00	Dec 00	R3		.
TR	25.934	AAL2 QoS optimization	0.0.0	R00	Dec 00	R3		.
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
TR	25.944	Channel coding and multiplexing examples	3.1.0	R99	Mar 00	R1	Takehiro Nakamura	Created Jan 2000 (aka R1.04); TSG#7:1.0.1, 3.0.0 TSG#8:3.1.0
TR	25.945	RF requirements for low chip rate TDD option	0.0.0	R00	Dec 00	R4	Zhang Dai-Jun	.
TR	25.950	UTRA high speed downlink packet access	.	R00	Dec 00	R2		
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	Jun 99	S4	Erik Ekudden	Transfer>TSG#4; .
TS	26.073	AMR speech Codec; C-source code	3.1.0	R99	Dec 99	S4	Erik Ekudden	Transfer>TSG#4; 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	Transfer>TSG#4; .
TS	26.075	AMR speech Codec; Performance Charaterization of the GSM AMR Speech Codec	1.2.0	<?>	Mar 00	S4		Created TSG#6. Replaced by '975 at TSG#7.; replaced by 26.975
TS	26.090	AMR speech Codec; Transcoding Functions	3.1.0	R99	Jun 99	S4	Erik Ekudden	Transfer>TSG#4; .
TS	26.091	AMR speech Codec; Error concealment of lost frames	3.1.0	R99	Jun 99	S4	Erik Ekudden	Transfer>TSG#4; .
TS	26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	3.0.1	R99	Jun 99	S4	Erik Ekudden	Transfer>TSG#4; .
TS	26.093	AMR speech Codec; Source Controlled Rate operation	3.2.0	R99	Jun 99	S4	Erik Ekudden	Transfer>TSG#4; TSG#8:3.2.0
TS	26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels	3.0.0	R99	Oct 99	S4		Transfer>TSG#4; .
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 Iu and Uu	3.1.0	R99	Dec 99	S4	Wiliam Navarro	TSG#7: 3.1.0
TS	26.103	Codec lists	3.0.0	R99	Dec 99	S4	Karl Hellwig	New after TSG#5; .
TS	26.104	AMR speech Codec; Floating point C-Code	3.0.0	R99	Mar 00	S4		New at TSG#6. TSG#7:0.3.0 (SP-000022) 0.3.0 TSG#8:3.0.0 (1.0.0)
TS	26.110	Codec for Circuit switched Multimedia Telephony Service; General Description	3.0.1	R99	Jun 99	S4	Barry Aronson	.
TS	26.111	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	3.2.0	R99	Jun 99	S4	Barry Aronson	CR at TSG#5; TSG#8:3.2.0
TS	26.112	Codec(s) for Circuit Switched Multimedia Telephony Service; Call Set-up Requirements	1.1.0	<?>	Mar 00	S4		June99: 1.1.0
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	26.121	Technical Specification for Tandem Free Operation within 3G networks	0.0.0	<?>	Jun 00	S4		.
TS	26.122	Technical Specification for Tandem Free Operation between 3G and 2G networks	0.0.0	<?>	Mar 00	S4		.

TS	26.131	Narrow Band (3,1kHz) Speech & Video Telephony Terminal Acoustic Characteristics	3.1.0	R99	Dec 99	S4	Ian Goetz	TSG#8:3.1.0
TS	26.132	Narrow Band (3,1kHz) Speech & Video Telephony Terminal Acoustic Test Specification.	3.0.0	R99	Jun 00	S4	Ian Goetz	Feb00: 0.0.1 TSG#8:3.0.0 (1.0.0)
TS	26.226	Global text telephony;Transport of text in the voice channel	0.0.0	R00	Dec 00	S4	G Hellstrom	WI approved TSG#7
TR	26.901	AMR Wideband Speech Codec Feasibility Study Report	4.0.1	R00	Mar 00	S4	Alain Ohana	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	Jun 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	.
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	May00: May be converted to TS 26.115 some time in future.; 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	Replaces 26.075.; 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)	3.5.0	R99	April 99	N3	Eric Colban	TSG#7: 3.4.0 TSG#8:3.5.0
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	3.4.0	R99	April 99	N3	Eric Colban	TSG#7: 3.3.0 TSG#8:3.4.0
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	3.4.0	R99	April 99	N3	Eric Colban	TSG#7: 3.3.0 TSG#8:3.4.0
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	Jun 99	T2	Ian Harris	.
TS	27.007	AT command set for 3G User Equipment (UE)	3.5.0	R99	Jun 99	T2	Lars Novak	TSG#8:3.5.0
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol User Equipment (UE)	3.3.0	R99	Jun 99	T2	Lars Novak	additional CR for R99 on UMTS amendments expected at TSG-T#7. TSG#7: 3.3.0
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	3.1.0	R99	Oct 99	T2	Rob Lockhart	TSG#8:3.1.0
TS	27.226	Global Text telephony;Terminal aspects	0.0.0	R00	Dec 00	T2	G Hellstrom	WI approved TSG#7
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	28.020	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	.	R00		N3		N3 indicates not required for R99, so revert to 08.20 R98.; .
TS	28.062	Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3	0.0.0	R00	Jun 00	S4		Transfer>TSG#4; .
TS	29.002	Mobile Application Part (MAP)	3.5.0	R99	April 99	N4		TSG#7: 3.4.0 TSG#8:3.5.0
TS	29.002	Mobile Application Part (MAP)	4.0.0	R00	April 99	N4		TSG#8:4.0.0
TS	29.004	Interworking between the Public Land Mobile Network (PLMN) and the Circuit Switched Public Data Network (CSPDN)	3.0.0	R99		N3		N3 indicates not required for R99, so revert to 09.04 R98.; May 99: 3.0.0
TS	29.005	Interworking between the Public Land Mobile Network (PLMN) and the Packet Switched Public Data Network (PSPDN) for Packet Assembly/Disassembly (PAD) facility access	3.0.0	R99		N3		N3 indicates not required for R99, so revert to 09.05 R98.; TSG#3: 3.0.0

TS	29.006	Interworking between a PLMN and the ISDN or PSTN for support of Packet Switched data transmission services	3.0.0	R99	April 99	N3		N3 indicates not required for R99, so revert to 09.06 R98.; withdrawn N#6
TS	29.007	General requirements on Interworking between the PLMN and the ISDN or PSTN	3.5.0	R99	April 99	N3	Norbert Klehn	TSG#7: 3.4.0 TSG#8:3.5.0
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	N4		Transfer>TSG#4 (transfer??); TSG#7: 3.2.0
TS	29.011	Signalling Interworking for Supplementary Services	3.0.0	R99	April 99	N4 (ex 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	N4 (ex NSS)		Transfer>TSG#4; .
TS	29.016	Serving GPRS Support Mode SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	3.0.0	R99	April 99	N1	Duncan Mills	.
TS	29.018	Serving GPRS Support Mode SGSN - Visitors Location Register (VLR); Gs Interface Layer 3 Specification	3.3.0	R99	April 99	N1	Duncan Mills	TSG#7: 3.3.0
TS	29.060	GPRS Tunnelling protocol (GTP) across the Gn and Gp interface	3.5.0	R99	April 99	N4	Einar Oltedal	TSG#7: 3.4.0 TSG#8:3.5.0
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	3.4.1	R99	Oct 99	N2	Jan Ellsberger	Transfer>TSG#4; CR@TSG#6, note version changes are not available, 3.1.0 was not created. TSG#7: 3.4.0 TSG#8:3.4.0
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	3.0.0	R99		R3	Alexander Vesely	TSG#8:Appeared as v2.0.0 (RP-000258); TSG#8:3.0.0 (2.0.0)
TS	29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)	3.0.0	R99	Mar 00	N4	Shinichiro Aikawa	New after TSG#5; Functionally frozen by CN#6. TSG#7:2.0.0 (TP-000107) 3.0.0
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); stage 3	3.0.0	R99	Mar 00	N4	Kazuo Mitamura	New after TSG#5; Functionally frozen by CN#6, CN#7 is the new target for approval as part of R99. TSG#7:2.0.0 3.0.0
TR	29.198	Open Services Architecture API part 1	3.0.0	R99		N5	Yun Chao Hu	OSA subgroup; TSG#7:1.0.0 (TP-000056) 1.0.0 TSG#8:3.0.0 (2.0.0)
TR	29.998	Open Services Architecture API part 2	3.0.0	R99		N5	Yun Chao Hu	OSA subgroup; TSG#7:1.0.0 (TP-000057) 1.0.0 TSG#8:3.0.0 (2.0.0)
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	0.8.0	R99	Mar 00	R3	Björn Ehrstedt	TSG#7:0.7.0 (RP-000142) 0.7.0 TSG#8:0.8.0
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 Kåll	.
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	3.2.0	R99	Dec 99	T3	Rune Lindholm / Peter Vestergaard	TSG#7: 3.1.0 TSG#8:3.2.0
TS	31.102	Characteristics of the USIM Application	3.2.0	R99	Dec 99	T3	M. Kobayashi and Ch. Heim	TSG#7: 3.1.0 TSG#8:3.2.0

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)	3.1.0	R99	Mar 00	T3	Kristian Woodsend	TSG#7: 3.0.0 TSG#8:3.1.0
TS	31.120	Terminal tests for the UICC Interface; part 1	0.0.0	R99	Jun 00	T3	Klaus Vedder	based on R99 core spec; split into 2 parts (this is 1); .
TS	31.121	Terminal tests for the UICC Interface; part 2	0.0.0	R99	Jun 00	T3	Klaus Vedder	based on R99 core spec; split into 2 parts (this is 2); .
TS	31.122	UICC Test Specification	0.0.0	R99	Jun 00	T3	Klaus Vedder	based on R99 core spec; was originally 31.121 but renumbered whch 31.120 was split into two parts; .
TS	32.005	GSM call and event data for the Circuit Switched (CS) domain	3.1.0	R99	Jun 00	S5	Ian Deakin	Title change. TSG#7: TSG#8:3.1.0
TS	32.008	Subscriber and Equipment trace	.	<?>		S5	Kai Sjöblom	Existence deduced from STF139 programme. But denied by Sjöblom.; Not to be produced.
TS	32.015	GSM call and event data for the Packet Switched (PS) domain	3.2.0	R99	Jun 00	S5	Ian Deakin	Title change. TSG#7: 3.1.0 TSG#8:3.2.0
TS	32.101	3G Telecom Management principles and high level requirements	3.2.0	R99	Mar 00	S5	Michael Truss	Outstanding R99 issues. TSG#7: 3.1.0 TSG#8:3.2.0
TS	32.102	3G Telecom Management Architecture	3.2.0	R99	Mar 00	S5	Tommy Berggren	Outstanding R99 issues. TSG#7: 3.1.0 TSG#8:3.2.0
TS	32.104	3G Performance Management	3.2.0	R99	Mar 00	S5	Karl-Heinz Nenner	Outstanding R99 issues. TSG#7: 3.1.0 TSG#8:3.2.0
TS	32.105	3G Charging call event data	0.0.1	R99	Jun 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	TSG#8: split into eight parts; Outstanding R99 issues. TSG#7:2.0.0 3.0.0 TSG#8: multipart split from parent 3.0.1
TS	32.106-1	3G Configuration Management; Concepts and requirements	3.1.0	R99	Mar 00	S5	Thomas Tovinger	TSG#8: split into eight parts; TSG#8: multipart split from parent 3.0.1 TSG#8:3.1.0
TS	32.106-2	3G Configuration Management; Notification IRP Information Service	3.1.0	R99	Mar 00	S5	Thomas Tovinger	TSG#8: split into eight parts; TSG#8: multipart split from parent 3.0.1 TSG#8:3.1.0
TS	32.106-3	3G Configuration Management; Notification IRP CORBA Solution Set	3.1.0	R99	Mar 00	S5	Thomas Tovinger	TSG#8: split into eight parts; TSG#8: multipart split from parent 3.0.1 TSG#8:3.1.0
TS	32.106-4	3G Configuration Management; Notification IRP CMIP Solution Set	3.1.0	R99	Mar 00	S5	Thomas Tovinger	TSG#8: split into eight parts; TSG#8: multipart split from parent 3.0.1 TSG#8:3.1.0
TS	32.106-5	3G Configuration Management; Basic Configuration Management IRP Information Model (including NRM)	.	R99	Mar 00	S5	Thomas Tovinger	TSG#8: split into eight parts; TSG#8: multipart split from parent 3.0.1 (not certain this part will be R99)
TS	32.106-6	3G Configuration Management; Basic Configuration Management IRP CORBA Solution Set	.	R99	Mar 00	S5	Thomas Tovinger	TSG#8: split into eight parts; TSG#8: multipart split from parent 3.0.1 (not certain this part will be R99)
TS	32.106-7	3G Configuration Management; Basic Configuration Management IRP CMIP Solution Set	.	R99	Mar 00	S5	Thomas Tovinger	TSG#8: split into eight parts; TSG#8: multipart split from parent 3.0.1 (not certain this part will be R99)
TS	32.106-8	3G Configuration Management; Name Convention for Managed Objects	3.1.0	R99	Mar 00	S5	Thomas Tovinger	TSG#8: split into eight parts; TSG#8: multipart split from parent 3.0.1 TSG#8:3.1.0
TS	32.111	3G Fault Management	3.0.1	R99	Jun 00	S5	Gaetano Cicchitto	TSG#8: split into 4 parts; Outstanding R99 issues. TSG#7:2.0.0(SP-000013), 3.0.0 TSG#8: multipart split from parent 3.0.1
TS	32.111-1	3G Fault Management; Part 1: Requirements	3.1.0	R99	Jun 00	S5	Gaetano Cicchitto	TSG#8: split into 4 parts; TSG#8: multipart split from parent 3.0.1 TSG#8:3.1.0
TS	32.111-2	3G Fault Management; Part 2: Alarm Integration Reference Point: Information Service	3.1.0	R99	Jun 00	S5	Gaetano Cicchitto	TSG#8: split into 4 parts; TSG#8: multipart split from parent 3.0.1 TSG#8:3.1.0
TS	32.111-3	3G Fault Management; Part 3: Alarm Integration Reference Point: CORBA Solution Set	3.1.0	R99	Jun 00	S5	Gaetano Cicchitto	TSG#8: split into 4 parts; TSG#8: multipart split from parent 3.0.1 TSG#8:3.1.0
TS	32.111-4	3G Fault Management; Part 4: Alarm Integration Reference Point: CMIP Solution Set	3.1.0	R99	Jun 00	S5	Gaetano Cicchitto	TSG#8: split into 4 parts; TSG#8: multipart split from parent 3.0.1 TSG#8:3.1.0
TS	32.140	3G Service Management Requirements & Framework	0.1.0	R00		S5	Geoff Caryer	TSG#8:0.1.0 but associated WI not approved.
TS	33.102	Security Architecture	3.5.0	R99	Mar 00	S3	Bart Vinck	TSG#7: 3.4.0 TSG#8:3.5.0

TS	33.103	Security Integration Guidelines	3.3.0	R99	Oct 99	S3	Bart Vinck	TSG#7: 3.2.0 TSG#8:3.3.0
TS	33.105	Cryptographic Algorithm requirements	3.4.0	R99	Jun 99	S3	Bart Vinck	TSG#7: 3.3.0 TSG#8:3.4.0
TS	33.106	Lawful interception requirements	3.1.0	R99	Jun 00	S3	Bart Vinck	.
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	Jun 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: S3-000105=NP-000049; TSG#7 SP-000039
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: Is a reference in 33.908; TSG#7: refered to in 33.908.
TS	34.108	Common Test Environments for User Equipment (UE) Conformance Testing	3.0.1	R99	Jun 00	T1	Nouhman Chalabi	TSG#7:(TP-000032) 1.0.0, 1.0.1 TSG#8:aprvl is controversial TSG#8:3.0.0 (2.0.0)
TS	34.109	Logical Test Interface (TDD and FDD)	3.0.0	R99	Jun 00	T1 / R2	Leif Mattisson	TSG#7: Will be transferred to RAN2 after approval. TSG#8:txfer is delayed.; Feb00: 1.1.0 TSG#7: 1.2.0 TSG#8:3.0.0 (2.0.0)
TS	34.121	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	3.1.0	R99	Mar 00	T1	Kenji Higuchi	RAN documents are undergoing substantial changes and 34.121 can therefore not be stabilized to TSGT#7. TSG#7: 2.0.0(TP-000033), 3.0.0 TSG#8:3.1.0
TS	34.122	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	3.0.0	R99	Jun 00	T1	Thomas Maucksch	TSG#7: 1.2.0 TSG#8:3.0.0 (2.0.0)
TS	34.123-1	UE Conformance Specification, Part 1 – Conformance specification	3.0.0	R99	Jun 00	T1	Lidia Salmeron	TSG#8:3.0.0 (2.0.0)
TS	34.123-2	UE Conformance Specification, Part 2 – ICS	1.0.1	R99	Jun 00	T1	Shicheng Hu	TSG#7: 1.0.1 TSG#8: aprvl target postponed to end-00
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	Jun 99	T2	Sven Johnsson	.
TR	34.926	Table of International EMC requirements	0.0.0	R00	Jun 00	T1	John Fenn	Plan approved TSG#7 TP-000036).; .
TS	35.201	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications	3.1.0	R99		S3	M. Walker	ex SAGE - not publicly available; supplied by ETSI under licencE; 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	ex SAGE - not publicly available; supplied by ETSI under licence; 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	ex SAGE - not publicly available; supplied by ETSI under licence; 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	ex SAGE - not publicly available; supplied by ETSI under licence; TSG#7: 3.1.0 ex SAGE 3.1.0

Annex E: List of Change Requests and their status after TSG SA Meeting #8

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-000209	21.905	001		3.0.0	R99	New Abbreviations and Definitions for R99, language alignment and editorial changes	approved	B	3.1.0	3G Vocabulary
SP-000192	22.002	006		3.3.0	R99	Lower User Rates in UMTS for Circuit Switched Data Services	approved	F	3.4.0	Circuit Bearer Services Supported by a PLMN
SP-000193	22.011	015	1	3.2.0	R99	Network Selection	rejected	C		Service accessibility
SP-000211	22.011	016		4.0.0	R00	Reselection attempts of GPRS terminals	approved	B	4.1.0	Service accessibility
SP-000195	22.016	003	1	3.1.0	R99	IMEI coding	approved	F	3.2.0	International Mobile Equipment Identities (IMEI)
SP-000194	22.016	004		3.1.0	R99	Deletion of unnecessary information about phases and releases in clause 2	approved	F	3.2.0	International Mobile Equipment Identities (IMEI)
SP-000194	22.016	005		3.1.0	R00	Deletion of unnecessary information about phases and releases in clause 2	withdrawn	F		International Mobile Equipment Identities (IMEI)
SP-000196	22.038	003		3.1.0	R99	Deletion of note to non-existent TS	approved	F	3.2.0	SIM application toolkit (SAT); Stage 1
SP-000206	22.043	003		3.0.1	R99	Clarification of requirements and editorial changes	approved	F	3.1.0	Support of Localised Service Area (SoLSA) - Stage 1
SP-000197	22.060	012		3.3.0	R99	Deletion of IHOSS (Point to Point Octet Stream Service)	approved	F	3.4.0	General Packet Radio Service (GPRS); Stage 1
SP-000197	22.060	013		4.0.0	R00	Deletion of IHOSS (Point to Point Octet Stream Service)	approved	F	4.1.0	General Packet Radio Service (GPRS); Stage 1
SP-000197	22.060	014		3.3.0	R99	Removal of X.25 support from Release 99.	approved	F	3.4.0	General Packet Radio Service (GPRS); Stage 1
SP-000197	22.060	015		4.0.0	R00	Removal of X.25 support from Release 99.	approved	F	4.1.0	General Packet Radio Service (GPRS); Stage 1
SP-000197	22.060	016		3.3.0	R99	Clarification of support of registration to external networks	approved	F	3.4.0	General Packet Radio Service (GPRS); Stage 1
SP-000197	22.060	017		4.0.0	R00	Clarification of support of registration to external networks	approved	F	4.1.0	General Packet Radio Service (GPRS); Stage 1
SP-000207	22.066	003		3.1.0	R99	North American Service Provider Number Portability impacts for Mobile Number Portability	approved	F	3.2.0	Support of Mobile Number Portability (MNP); Stage 1
SP-000212	22.071	006		3.2.0	R00	Incorporation of TSG SA1#8 LCS Contributions and email contributions	approved	C	4.0.0	Location Services (LCS); Stage 1 (T1P1)
SP-000198	22.078	037		3.3.0	R99	Correction to the reduced scope of CAMEL Phase 3 in release 99 – enhancements to call forwarding	approved	F	3.4.0	CAMEL; Stage 1
SP-000198	22.078	038		3.3.0	R99	Correction to the reduced scope of CAMEL Phase 3 in release 99 – deletion of MexE / SAT free format data parameter in Annex A.1	approved	F	3.4.0	CAMEL; Stage 1
SP-000198	22.078	039		3.3.0	R99	Correction to description of subscriber dialled services	approved	F	3.4.0	CAMEL; Stage 1
SP-000198	22.078	040		3.3.0	R99	Clarification for conditional triggering for subscribed dialled services	approved	F	3.4.0	CAMEL; Stage 1
SP-000198	22.078	041		3.3.0	R99	Removal of NPI from conditional triggering	approved	F	3.4.0	CAMEL; Stage 1
SP-000198	22.078	042		3.3.0	R99	Corrections to Interactions with Supplementary Services	approved	F	3.4.0	CAMEL; Stage 1
SP-000198	22.078	043		3.3.0	R99	Removal of question marks from the A.1 information flow table	approved	F	3.4.0	CAMEL; Stage 1
SP-000198	22.078	044		3.3.0	R99	Definition of Geodetic Information	approved	F	3.4.0	CAMEL; Stage 1
SP-000198	22.078	045		3.3.0	R99	Distinction between initial and subsequent service events	approved	F	3.4.0	CAMEL; Stage 1

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-000198	22.078	046		3.3.0	R99	Update of CAMEL roaming issues (section 16)	approved	F	3.4.0	CAMEL; Stage 1
SP-000198	22.078	047		3.3.0	R99	Removal of Editor's notes and corrections to Annex 1	approved	F	3.4.0	CAMEL; Stage 1
SP-000198	22.078	048	2	3.3.0	R99	CR to 22.078 R99 on Corrections to CAMEL interworking with GPRS re3	approved	F	3.4.0	CAMEL; Stage 1
SP-000199	22.081	003		3.1.0	R99	Access dependent services	approved	B	3.2.0	Line Identification Supplementary Services; Stage 1
SP-000210	22.101	033		3.9.0	R99	Network selection procedures removed from section 16, reference to 22.011 added	approved	D	3.10.0	UMTS Service principles
SP-000210	22.101	034		3.9.0	R00	Network selection procedures removed from section 16, reference to 22.011 added	approved	D	4.0.0	UMTS Service principles
SP-000200	22.101	035		3.9.0	R99	Emergency Calls and numbers used	approved	B	3.10.0	UMTS Service principles
SP-000200	22.101	036		3.9.0	R00	Emergency Calls and numbers used	approved	B	4.0.0	UMTS Service principles
SP-000213	22.101	037		3.9.0	R00	Emergency Calls and numbers used	approved	B	4.0.0	UMTS Service principles
SP-000201	22.101	038		3.9.0	R99	CS multimedia support	approved	F	3.10.0	UMTS Service principles
SP-000202	22.101	039		3.9.0	R99	Clarification for USIM Application selection	approved	F	3.10.0	UMTS Service principles
SP-000203	22.105	024		3.8.0	R99	Clarification of requirement in TS 22.105 for Delay	revised	F		Services & Service capabilities
SP-000352	22.105	024	1	3.8.0	R99	Clarification of requirement in TS 22.105 for Delay	approved	F	3.9.0	Services & Service capabilities
SP-000203	22.105	025		3.8.0	R99	Access dependent services	approved	F	3.9.0	Services & Service capabilities
SP-000204	22.121	007		3.2.0	R99	Modification of section 10.2.6 on reducing the scope of the VHE/OSA reqirements	approved	F	3.3.0	Provision of Services in UMTS - The Virtual Home Environment
SP-000204	22.121	008		3.2.0	R99	Removal of section 10.2.3 Address Translation SCF	approved	F	3.3.0	Provision of Services in UMTS - The Virtual Home Environment
SP-000204	22.121	009		3.2.0	R99	Modification of section 10.2.9 to reduce scope of User Profile Management service capabilities	approved	F	3.3.0	Provision of Services in UMTS - The Virtual Home Environment
SP-000204	22.121	010		3.2.0	R99	Alignment of VHE Stage 1 top VHE/OSA Stage 2 and stage 3	approved	F	3.3.0	Provision of Services in UMTS - The Virtual Home Environment
SP-000205	22.129	012		3.2.0	R99	Alignment of handover requirements for Multicall	approved	F	3.3.0	Handover Requirements between UMTS and GSM or other Radio Systems
SP-000205	22.135	005		3.2.0	R99	Alignment of handover requirements for Multicall	approved	F	3.3.0	Multicall Stage1
SP-000214	22.140	001		3.0.0	R00	Introduction of streaming for MMS	approved	B	4.0.0	Multimedia Messaging Service Stage 1
SP-000208	22.140	002		3.0.0	R99	R99 alignment to stage 2	approved	F	3.1.0	Multimedia Messaging Service Stage 1

GSM CRs

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	status	Cat	New version	Specification Title
SP-000194	02.16	A009		4.6.0	P2	Deletion of unnecessary information about phases and releases in clause 2	approved	F	4.7.0	International Mobile Station Equipment Identities (IMEI)
SP-000194	02.16	A010		5.1.0	R96	Deletion of unnecessary information about phases and releases in clause 2	approved	F	5.2.0	International Mobile Station Equipment Identities (IMEI)
SP-000194	02.16	A011		6.1.0	R97	Deletion of unnecessary information about phases and releases in clause 2	approved	F	6.2.0	International Mobile Station Equipment Identities (IMEI)
SP-000194	02.16	A012		7.1.0	R98	Deletion of unnecessary information about phases and releases in clause 2	approved	F	7.2.0	International Mobile Station Equipment Identities (IMEI)
SP-000206	02.43	A003		7.2.0	R98	Clarification of requirements and editorial changes	approved	F	7.3.0	Support of Localised Service Area (SoLSA); Service description; Stage 1
SP-000197	02.60	A026		7.4.0	R98	Deletion of IHOSS (Point to Point Octet Stream Service)	approved	F	7.5.0	General Packet Radio Service Stage 1 Description

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-000282	23.060	147	3	3.3.1	R99	Change of GMM ready timer behaviour	approved	F	3.4.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-000282	23.060	149		3.3.1	R99	Paging is initiated even at reception of a PDP PDU	approved	F	3.4.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-000282	23.060	150		3.3.1	R99	Suspend at UMTS to GSM handover during CS call	approved	F	3.4.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-000282	23.060	151		3.3.1	R99	RABs failed information is missing in Forward Relocation Response	approved	F	3.4.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-000282	23.060	152		3.3.1	R99	Reliable transfer of GTP message "Forward SRNS Context" and "Forward Relocation Complete"	approved	F	3.4.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-000282	23.060	153		3.3.1	R99	SRNS Relocation Procedure, editorial corrections	approved	F	3.4.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-000282	23.060	156		3.3.1	R99	Conversion of QoS attributes to LLC attributes in the Aggregate BSS QoS Profile	approved	F	3.4.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-000282	23.060	159		3.3.1	R99	Clarification of radio bearer re-establishment	approved	F	3.4.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-000282	23.060	161	2	3.3.1	R99	SNRS Relocation and Inter System HO, when PDCP doesn't support lossless relocation	approved	F	3.4.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-000282	23.060	162	1	3.3.1	R99	Establishment of LLC link after inter-system HO	approved	F	3.4.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-000282	23.060	163	1	3.3.1	R99	Classmark handling	approved	F	3.4.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-000282	23.060	164		3.3.1	R99	Reset of RLC during SRNS relocation	approved	F	3.4.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-000282	23.060	165	1	3.3.1	R99	Move of Detection Point C2 for Inter SGSN Routeing Area Update	approved	F	3.4.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-000282	23.060	166	1	3.3.1	R99	Addition of charging characteristics per PDP context	approved	F	3.4.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-000282	23.060	167	1	3.3.1	R99	IPv6 stateless address autoconfiguration	approved	F	3.4.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-000282	23.060	168		3.3.1	R99	Addition of charging characteristics per PDP context	approved	F	3.4.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-000285	23.107	020		3.2.0	R99	Add subflow bit-rate to description of SDU format information	approved	F	3.3.0	Quality of Service, Concept and Architecture
SP-000286	23.127	001	1	3.0.0	R99	OSA Internal API	approved	F	3.1.0	Virtual Home Environment / Open Service Architecture
SP-000286	23.127	002	1	3.0.0	R99	Editorial changes and improvements	approved	F	3.1.0	Virtual Home Environment / Open Service Architecture
SP-000286	23.127	003	1	3.0.0	R99	Alignment with stage 3 (TS 29.198)	approved	F	3.1.0	Virtual Home Environment / Open Service Architecture
SP-000286	23.127	004		3.0.0	R99	Removal of data-related parameters in call control SCF	approved	F	3.1.0	Virtual Home Environment / Open Service Architecture
SP-000286	23.127	005		3.0.0	R99	Replacement of "Camel" by "Network" in Network User	approved	F	3.1.0	Virtual Home Environment / Open Service Architecture
SP-000286	23.127	006	1	3.0.0	R99	Introduction of improved notification mechanism	approved	F	3.1.0	Virtual Home Environment / Open Service Architecture
SP-000286	23.127	008	1	3.0.0	R99	Modification of call control	approved	F	3.1.0	Virtual Home Environment / Open Service Architecture
SP-000286	23.127	009		3.0.0	R99	Data Session Control	approved	F	3.1.0	Virtual Home Environment / Open Service Architecture

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-000286	23.127	010		3.0.0	R99	Modification of call control SCF	approved	F	3.1.0	Virtual Home Environment / Open Service Architecture
SP-000284	23.171	001	1	3.0.0	R99	Ensure reliable privacy verification for value added LCS MT-LR	approved	F	3.1.0	Functional stage 2 description of location services in UMTS
SP-000284	23.171	002	1	3.0.0	R99	Adding "hooks" indications in UMTS LCS stage 2, Removing PS LCS signaling procedures from R99 23.171	approved	F	3.1.0	Functional stage 2 description of location services in UMTS

GSM CRs

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	status	Cat	New version	Specification Title
SP-000283	03.32	A006		7.0.0	R98	Addition of new geographic shape descriptions for LCS	approved	F	7.1.0	Universal Geographical Area Description (GAD)

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-000271	22.022	002		3.0.1	R99	Update of the specification of ME personalisation to make it applicable for 3GPP	approved	D	3.1.0	Personalisation of GSM ME Mobile functionality specification - Stage 1
SP-000272	33.102	080		3.4.0	R99	Clarification on ciphering and integrity protection at intersystem handover	approved	F	3.5.0	Security Architecture
SP-000272	33.102	083		3.4.0	R99	Authentication and key agreement (minimal)	approved	F	3.5.0	Security Architecture
SP-000272	33.102	084		3.4.0	R99	Conversion functions for GSM-UMTS interoperation	approved	F	3.5.0	Security Architecture
SP-000272	33.102	088	2	3.4.0	R99	Initialisation of synchronisation for ciphering and integrity protection	approved	F	3.5.0	Security Architecture
SP-000274	33.102	089		3.4.0	R99	Addition of another variant of sequence number generation	approved	C	3.5.0	Security Architecture
SP-000272	33.102	090		3.4.0	R99	Clarification of BEARER and DIRECTION parameters	approved	F	3.5.0	Security Architecture
SP-000274	33.102	091		3.4.0	R99	Inclusion of the radio bearer identity to the integrity mechanism	approved	C	3.5.0	Security Architecture
SP-000273	33.102	092		3.4.0	R99	Removal of enhanced user identity confidentiality	approved	F	3.5.0	Security Architecture
SP-000272	33.102	093		3.4.0	R99	Removal of network domain security	approved	F	3.5.0	Security Architecture
SP-000272	33.102	094		3.4.0	R99	Cipher and integrity key update once every 24 hours	approved	F	3.5.0	Security Architecture
SP-000272	33.102	095		3.4.0	R99	Handling of emergency call	rejected	F		Security Architecture
SP-000349	33.102	095	1	3.4.0	R99	Handling of emergency call (revised during TSG-SA)	postponed	F		Security Architecture
SP-000272	33.102	096		3.4.0	R99	Clarification on the HFN handling	approved	F	3.5.0	Security Architecture
SP-000271	33.102	097	1	3.4.0	R99	Align of note and star in figure 18	approved	D	3.5.0	Security Architecture
SP-000272	33.102	098		3.4.0	R99	Security mode set-up procedure	approved	F	3.5.0	Security Architecture
SP-000272	33.102	100		3.4.0	R99	Replace COUNT by STARTCS and STARTPS	approved	F	3.5.0	Security Architecture
SP-000273	33.102	102		3.4.0	R99	Removal of NW Wide Encryption	approved	F	3.5.0	Security Architecture
SP-000271	33.102	103	2	3.4.0	R99	Clarification on terminology in user domain	approved	D	3.5.0	Security Architecture
SP-000273	33.103	007		3.2.0	R99	Removal of EUIC from 33.103	approved	F	3.3.0	Security Integration Guidelines
SP-000273	33.103	008		3.2.0	R99	Removal of MAP Security from 33.103	approved	F	3.3.0	Security Integration Guidelines
SP-000271	33.103	009		3.2.0	R99	SQN length	approved	F	3.3.0	Security Integration Guidelines
SP-000271	33.105	011		3.3.0	R99	Clarification of BEARER and DIRECTION parameters	approved	F	3.4.0	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-000262	26.093	002		3.1.0	R99	Re-scheduling of stolen SID_UPDATE Frames for AMR	approved	A	3.2.0	AMR speech Codec; Source Controlled Rate operation
SP-000263	26.111	004		3.1.0	R99	Changes to editorial notes	approved	F	3.2.0	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324
SP-000264	26.131	001	2	3.0.0	R99	Addition of a chapter pointing to ITU-T Recommendations for extended parameters	approved	B	3.1.0	Narrow Band (3.1kHz) Speech & Video Telephony Terminal Acoustic Characteristics
SP-000264	26.131	002		3.0.0	R99	Listener side tone (LSTR) and talker side tone (STMR) requirements	approved	F	3.1.0	Narrow Band (3.1kHz) Speech & Video Telephony Terminal Acoustic Characteristics
SP-000264	26.131	003	1	3.0.0	R99	Change of Handset and headset UE receiving sensitivity/frequency characteristic mask	approved	F	3.1.0	Narrow Band (3.1kHz) Speech & Video Telephony Terminal Acoustic Characteristics
SP-000264	26.131	004	1	3.0.0	R99	Acoustic requirements for Handheld-type hands-free user equipment	approved	F	3.1.0	Narrow Band (3.1kHz) Speech & Video Telephony Terminal Acoustic Characteristics

GSM CRs

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	status	Cat	New version	Specification Title
SP-000262	06.93	A008		7.3.0	R98	Re-scheduling of stolen SID_UPDATE Frames for AMR	approved	C	7.4.0	Discontinuous Transmission (DTX) for Adaptive Multi-Rate speech traffic channels

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-000240	32.005	001		3.0.0	R99	Circuit domain charging enhancements on CAMEL phase 3	approved	B	3.1.0	GSM call and event data for the circuit switched domain
SP-000236	32.015	005		3.1.1	R99	Correction of ASN.1 for QoS 'Delay Class'	approved	F	3.2.0	GSM charging PS domain
SP-000237	32.015	006		3.1.1	R99	Draft update of document for 3G Publication	approved	F	3.2.0	GSM charging PS domain
SP-000238	32.015	007		3.1.1	R99	Principles for accurate volume counting	approved	B	3.2.0	GSM charging PS domain
SP-000239	32.015	008		3.1.1	R99	Packet domain charging enhancements on CAMEL phase 3	approved	F	3.2.0	GSM charging PS domain
SP-000246	32.015	009		3.1.1	R99	GPRS charging enhancement, Addition of charging characteristics per PDP context characteristics per PDP context	approved	B	3.2.0	GSM charging PS domain
SP-000225	32.101	004		3.1.1	R99	Add and Update Correct Normative Reference	approved	F	3.2.0	3G Telecom Management principles and high level requirements
SP-000226	32.101	005		3.1.1	R99	Terminology correction	approved	F	3.2.0	3G Telecom Management principles and high level requirements
SP-000227	32.102	003		3.1.1	R99	Clarification of compliance conditions	approved	F	3.2.0	3G Telecom Management architecture
SP-000228	32.102	004		3.1.1	R99	Update ITU-T TMN related reference material	approved	F	3.2.0	3G Telecom Management architecture
SP-000229	32.102	005		3.1.1	R99	Definition of the Mandatory/Optional/Conditional qualifiers used in the IRPs	approved	D	3.2.0	3G Telecom Management architecture
SP-000230	32.102	006		3.1.1	R99	Correction of erroneous editing and usage of undefined term	approved	D	3.2.0	3G Telecom Management architecture
SP-000231	32.104	003		3.1.1	R99	Measurement definition template	approved	C	3.2.0	3G Performance Management
SP-000232	32.104	004		3.1.1	R99	Inclusion of XML file format definition	approved	B	3.2.0	3G Performance Management
SP-000233	32.104	005		3.1.1	R99	Example of XML file format for PM result files	approved	B	3.2.0	3G Performance Management
SP-000234	32.104	006		3.1.1	R99	Addition of missing abbreviations	approved	D	3.2.0	3G Performance Management
SP-000241	32.106	001		3.0.1	R99	Split of TS - Part 1: Main part of spec - Concept and Requirements	approved	F	3.1.0	3G Configuration Management
SP-000242	32.106	002		3.0.1	R99	Split of TS - Part 2: Notification IRP Information Service (IS)	approved	F	3.1.0	3G Configuration Management
SP-000243	32.106	003		3.0.1	R99	Split of TS - Part 3: Notification IRP CORBA SS	approved	F	3.1.0	3G Configuration Management
SP-000244	32.106	004		3.0.1	R99	Split of TS - Part 4: Notification IRP CMIP SS	approved	F	3.1.0	3G Configuration Management
SP-000245	32.106	005		3.0.1	R99	Split of TS - Part 8: Name Convention for Managed Objects	approved	F	3.1.0	3G Configuration Management
SP-000247	32.111	001		3.0.1	R99	Split of TS - Part 1: Main part of spec – Requirements	approved	F	3.1.0	3G Fault Management
SP-000248	32.111	002		3.0.1	R99	Split of TS - Part 1: Main part of spec - Merging of Clause X into Clause 4, etc.	approved	F	3.1.0	3G Fault Management
SP-000249	32.111	003		3.0.1	R99	Split of TS - Part 1: Main part of spec – Alignment of FM requirements with IRP, etc.	approved	F	3.1.0	3G Fault Management
SP-000252	32.111	004		3.0.1	R99	Split of TS - Part 2: Alarm IRP Information Service (IS)	approved	F	3.1.0	3G Fault Management
SP-000253	32.111	005		3.0.1	R99	Split of TS - Part 3: Alarm IRP CORBA Solution Set (SS)	approved	F	3.1.0	3G Fault Management
SP-000254	32.111	006		3.0.1	R99	Split of TS - Part 4: Alarm IRP CMIP Solution Set (SS)	approved	F	3.1.0	3G Fault Management

GSM CRs

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	status	Cat	New version	Specification Title
SP-000235	12.15	A020		7.5.0	R98	Correction of ASN.1 for QoS 'Delay Class'	approved	F	7.6.0	General Packet Radio Service (GPRS); GPRS Charging

Annex F: Status of all 3GPP CRs after TSG SA #8 Meeting

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
SP-000097	21.111	003		3.1.0	R99	Clarification of USIM application selection	approved	F	3.2.0	USIM and IC card requirements	T3
SP-000097	21.111	004		3.1.0	R99	Alignment with 33.102: Enhanced User Identity Confidentiality (EUIC)	approved	F	3.2.0	USIM and IC card requirements	T3
SP-000184	21.900	004		3.2.0	R99	Removal of elements now included in 21.100 or 21.200	withdrawn	C		3GPP Working methods	SP
SP-000279	21.900	005		3.2.0	R99	Clarification and editorial corrections to provisions covering the management of specifications and work items.	approved	C	3.3.0	3GPP Working methods	SP
TP-000073	21.904	001		3.0.1	R99	Addition of reference measurement channel	approved	F	3.1.0	UE Capability Requirements (UCR)	T2
TP-000073	21.904	002		3.0.1	R99	Correction of terminology	approved	F	3.1.0	UE Capability Requirements (UCR)	T2
TP-000073	21.904	003		3.0.1	R99	Deletion of PCPCH/AICH timing relation	approved	F	3.1.0	UE Capability Requirements (UCR)	T2
TP-000073	21.904	004		3.0.1	R99	Reflection of changes in core specification 24.008 to v3.3.1	approved	F	3.1.0	UE Capability Requirements (UCR)	T2
TP-000073	21.904	005		3.0.1	R99	Reflection of document structure changes in core specifications and correction of editorial mistakes	approved	F	3.1.0	UE Capability Requirements (UCR)	T2
SP-000209	21.905	001		3.0.0	R99	New Abbreviations and Definitions for R99, language alignment and editorial changes	approved	B	3.1.0	3G Vocabulary	S1
SP-000192	22.002	006		3.3.0	R99	Lower User Rates in UMTS for Circuit Switched Data Services	approved	F	3.4.0	Circuit Bearer Services Supported by a PLMN	S1
SP-000193	22.011	015	1	3.2.0	R99	Network Selection	rejected	C		Service accessibility	S1
SP-000211	22.011	016		4.0.0	R00	Reselection attempts of GPRS terminals	approved	B	4.1.0	Service accessibility	S1
SP-000195	22.016	003	1	3.1.0	R99	IMEI coding	approved	F	3.2.0	International Mobile Equipment Identities (IMEI)	S1
SP-000194	22.016	004		3.1.0	R99	Deletion of unnecessary information about phases and releases in clause 2	approved	F	3.2.0	International Mobile Equipment Identities (IMEI)	S1
SP-000194	22.016	005		3.1.0	R00	Deletion of unnecessary information about phases and releases in clause 2	withdrawn	F		International Mobile Equipment Identities (IMEI)	S1
SP-000271	22.022	002		3.0.1	R99	Update of the specification of ME personalisation to make it applicable for 3GPP	approved	D	3.1.0	Personalisation of GSM ME Mobile functionality specification - Stage 1	S3
SP-000196	22.038	003		3.1.0	R99	Deletion of note to non-existent TS	approved	F	3.2.0	SIM application toolkit (SAT); Stage 1	S1
SP-000206	22.043	003		3.0.1	R99	Clarification of requirements and editorial changes	approved	F	3.1.0	Support of Localised Service Area (SoLSA) - Stage 1	S1
SP-000197	22.060	012		3.3.0	R99	Deletion of IHOSS (Point to Point Octet Stream Service)	approved	F	3.4.0	General Packet Radio Service (GPRS); Stage 1	S1
SP-000197	22.060	013		4.0.0	R00	Deletion of IHOSS (Point to Point Octet Stream Service)	approved	F	4.1.0	General Packet Radio Service (GPRS); Stage 1	S1
SP-000197	22.060	014		3.3.0	R99	Removal of X.25 support from Release 99.	approved	F	3.4.0	General Packet Radio Service (GPRS); Stage 1	S1
SP-000197	22.060	015		4.0.0	R00	Removal of X.25 support from Release 99.	approved	F	4.1.0	General Packet Radio Service (GPRS); Stage 1	S1
SP-000197	22.060	016		3.3.0	R99	Clarification of support of registration to external networks	approved	F	3.4.0	General Packet Radio Service (GPRS); Stage 1	S1
SP-000197	22.060	017		4.0.0	R00	Clarification of support of registration to external networks	approved	F	4.1.0	General Packet Radio Service (GPRS); Stage 1	S1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
SP-000207	22.066	003		3.1.0	R99	North American Service Provider Number Portability impacts for Mobile Number Portability	approved	F	3.2.0	Support of Mobile Number Portability (MNP); Stage 1	S1
SP-000212	22.071	006		3.2.0	R00	Incorporation of TSG SA1#8 LCS Contributions and email contributions	approved	C	4.0.0	Location Services (LCS); Stage 1 (T1P1)	S1
SP-000198	22.078	037		3.3.0	R99	Correction to the reduced scope of CAMEL Phase 3 in release 99 – enhancements to call forwarding	approved	F	3.4.0	CAMEL; Stage 1	S1
SP-000198	22.078	038		3.3.0	R99	Correction to the reduced scope of CAMEL Phase 3 in release 99 – deletion of MexE / SAT free format data parameter in Annex A.1	approved	F	3.4.0	CAMEL; Stage 1	S1
SP-000198	22.078	039		3.3.0	R99	Correction to description of subscriber dialled services	approved	F	3.4.0	CAMEL; Stage 1	S1
SP-000198	22.078	040		3.3.0	R99	Clarification for conditional triggering for subscribed dialled services	approved	F	3.4.0	CAMEL; Stage 1	S1
SP-000198	22.078	041		3.3.0	R99	Removal of NPI from conditional triggering	approved	F	3.4.0	CAMEL; Stage 1	S1
SP-000198	22.078	042		3.3.0	R99	Corrections to Interactions with Supplementary Services	approved	F	3.4.0	CAMEL; Stage 1	S1
SP-000198	22.078	043		3.3.0	R99	Removal of question marks from the A.1 information flow table	approved	F	3.4.0	CAMEL; Stage 1	S1
SP-000198	22.078	044		3.3.0	R99	Definition of Geodetic Information	approved	F	3.4.0	CAMEL; Stage 1	S1
SP-000198	22.078	045		3.3.0	R99	Distinction between initial and subsequent service events	approved	F	3.4.0	CAMEL; Stage 1	S1
SP-000198	22.078	046		3.3.0	R99	Update of CAMEL roaming issues (section 16)	approved	F	3.4.0	CAMEL; Stage 1	S1
SP-000198	22.078	047		3.3.0	R99	Removal of Editor's notes and corrections to Annex 1	approved	F	3.4.0	CAMEL; Stage 1	S1
SP-000198	22.078	048	2	3.3.0	R99	CR to 22.078 R99 on Corrections to CAMEL interworking with GPRS re3	approved	F	3.4.0	CAMEL; Stage 1	S1
SP-000199	22.081	003		3.1.0	R99	Access dependent services	approved	B	3.2.0	Line Identification Supplementary Services; Stage 1	S1
SP-000210	22.101	033		3.9.0	R99	Network selection procedures removed from section 16, reference to 22.011 added	approved	D	3.10.0	UMTS Service principles	S1
SP-000210	22.101	034		3.9.0	R00	Network selection procedures removed from section 16, reference to 22.011 added	approved	D	4.0.0	UMTS Service principles	S1
SP-000200	22.101	035		3.9.0	R99	Emergency Calls and numbers used	approved	B	3.10.0	UMTS Service principles	S1
SP-000200	22.101	036		3.9.0	R00	Emergency Calls and numbers used	approved	B	4.0.0	UMTS Service principles	S1
SP-000213	22.101	037		3.9.0	R00	Emergency Calls and numbers used	approved	B	4.0.0	UMTS Service principles	S1
SP-000201	22.101	038		3.9.0	R99	CS multimedia support	approved	F	3.10.0	UMTS Service principles	S1
SP-000202	22.101	039		3.9.0	R99	Clarification for USIM Application selection	approved	F	3.10.0	UMTS Service principles	S1
SP-000203	22.105	024		3.8.0	R99	Clarification of requirement in TS 22.105 for Delay	revised	F		Services & Service capabilities	S1
SP-000352	22.105	024	1	3.8.0	R99	Clarification of requirement in TS 22.105 for Delay	approved	F	3.9.0	Services & Service capabilities	S1
SP-000203	22.105	025		3.8.0	R99	Access dependent services	approved	F	3.9.0	Services & Service capabilities	S1
SP-000204	22.121	007		3.2.0	R99	Modification of section 10.2.6 on reducing the scope of the VHE/OSA reqirements	approved	F	3.3.0	Provision of Services in UMTS - The Virtual Home Environment	S1
SP-000204	22.121	008		3.2.0	R99	Removal of section 10.2.3 Address Translation SCF	approved	F	3.3.0	Provision of Services in UMTS - The Virtual Home Environment	S1
SP-000204	22.121	009		3.2.0	R99	Modification of section 10.2.9 to reduce scope of User Profile Management service capabilities	approved	F	3.3.0	Provision of Services in UMTS - The Virtual Home Environment	S1
SP-000204	22.121	010		3.2.0	R99	Alignment of VHE Stage 1 top VHE/OSA Stage 2 and stage 3	approved	F	3.3.0	Provision of Services in UMTS - The Virtual Home Environment	S1
SP-000205	22.129	012		3.2.0	R99	Alignment of handover requirements for Multicall	approved	F	3.3.0	Handover Requirements between UMTS and GSM or other Radio Systems	S1

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SP-000205	22.135	005		3.2.0	R99	Alignment of handover requirements for Multicall	approved	F	3.3.0	Multicall Stage1	S1
SP-000214	22.140	001		3.0.0	R00	Introduction of streaming for MMS	approved	B	4.0.0	Multimedia Messaging Service Stage 1	S1
SP-000208	22.140	002		3.0.0	R99	R99 alignment to stage 2	approved	F	3.1.0	Multimedia Messaging Service Stage 1	S1
NP-000370	23.003	019		3.4.0	R99	Missing UTRAN identifiers	approved	B	3.5.0	Numbering, Addressing and Identification	N4
NP-000369	23.003	020	3	3.4.1	R99	Hexa IMEI	postponed	A		Numbering, Addressing and Identification	N4
NP-000295	23.003	021	1	3.4.0	R99	Editorial Modification of section 6.2.2	approved	D	3.5.0	Numbering, Addressing and Identification	N4
NP-000373	23.003	022		3.4.0	R99	IMEI Formats and Encoding (extract from 22.016 Annex A)	approved	F	3.5.0	Numbering, Addressing and Identification	N4
NP-000296	23.007	005		3.3.0	R99	Clarifications on GSM vs. UMTS specific parts	approved	F	3.4.0	Restoration procedures	N4
NP-000370	23.008	017		3.3.0	R99	Addition of subscribed charging characteristics information	approved	B	3.4.0	Organisation of subscriber data	N4
NP-000289	23.008	026	2	3.3.0	R99	Editorial changes on 23.008 draft version 3.2.0	approved	F	3.4.0	Organisation of subscriber data	N4
NP-000296	23.008	027		3.3.0	R99	Clarifications on GSM vs. UMTS specific parts	approved	F	3.4.0	Organisation of subscriber data	N4
NP-000370	23.008	029		3.3.0	R99	Addition of charging characteristics per PDP context	approved	B	3.4.0	Organisation of subscriber data	N4
NP-000278	23.009	002	4	3.2.1	R99	CR to 23.009 on Handover scenario for Multicall	approved	B	3.3.0	Handover procedures	N1
NP-000270	23.009	009		3.2.1	R99	Clean-up of 3G_MSC-A_HO SDLs	approved	C	3.3.0	Handover procedures	N1
NP-000270	23.009	010		3.2.1	R99	Clean-up of 3G_MSC-B_HO SDLs	approved	C	3.3.0	Handover procedures	N1
NP-000289	23.012	006		3.2.0	R99	Introduction of Mobility Management event notification into 23.012 procedures	approved	F	3.3.0	Location management procedures	N4
NP-000370	23.016	013	1	3.4.0	R99	Addition of information related to charging	approved	B	3.5.0	Subscriber data management - Stage 2	N4
NP-000296	23.016	014		3.3.0	R99	Clarifications on GSM vs. UMTS specific parts	approved	F	3.4.0	Subscriber data management - Stage 2	N4
NP-000370	23.016	015		3.4.0	R99	Addition of charging characteristics per PDP context	approved	B	3.5.0	Subscriber data management - Stage 2	N4
NP-000289	23.018	045	1	3.4.0	R99	Correction of CAMEL Incoming Call Handling	approved	D	3.5.0	Basic Call Handling - Technical realisation	N4
NP-000289	23.018	051	4	3.4.0	R99	Correction of Active Retrieval of Location Information procedure	approved	F	3.5.0	Basic Call Handling - Technical realisation	N4
NP-000297	23.018	052	2	3.4.0	R99	North American Service Provider Number Portability impacts for Mobile Number Portability	approved	B	3.5.0	Basic Call Handling - Technical realisation	N4
TP-000074	23.038	004		3.3.0	R00	Automatic removal of 'read' SMS	approved	B	4.0.0	Alphabets & Language	T2
TP-000073	23.040	012		3.4.0	R99	Alignment in Enhanced Messaging Service	approved	F	3.5.0	Technical realisation of Short Message Service	T2
TP-000074	23.040	013		3.4.0	R00	Addition of numbering plan value for Service Centre Specific Addresses	approved	B	4.0.0	Technical realisation of Short Message Service	T2
TP-000073	23.040	014		3.4.0	R99	Correction to text on SMS TimeZone	approved	F	3.5.0	Technical realisation of Short Message Service	T2
TP-000073	23.040	015		3.4.0	R99	Correction of TP-PID	approved	F	3.5.0	Technical realisation of Short Message Service	T2
TP-000073	23.057	003		3.1.1	R99	Addition of phonebook entry and addition/modification of user data update for untrusted applications	approved	F	3.2.0	Mobile Station Application Execution Environment (MExE)	T2
TP-000073	23.057	004		3.1.1	R99	Editorial clarifications	approved	F	3.2.0	Mobile Station Application Execution Environment (MExE)	T2
TP-000073	23.057	005		3.1.1	R99	ME actions on SIM insertion and/or power up	approved	F	3.2.0	Mobile Station Application Execution Environment (MExE)	T2
TP-000073	23.057	006		3.1.1	R99	Client/Server 'negotiation'	approved	F	3.2.0	Mobile Station Application Execution Environment (MExE)	T2
TP-000073	23.057	007		3.1.1	R99	Third Party Root Public Key	approved	F	3.2.0	Mobile Station Application Execution Environment (MExE)	T2
TP-000073	23.057	008		3.1.1	R99	Third Party root public keys management	approved	F	3.2.0	Mobile Station Application Execution Environment (MExE)	T2

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TP-000073	23.057	009		3.1.1	R99	User permission types (visual indication)	approved	F	3.2.0	Mobile Station Application Execution Environment (MExE)	T2
SP-000282	23.060	147	3	3.3.1	R99	Change of GMM ready timer behaviour	approved	F	3.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-000282	23.060	149		3.3.1	R99	Paging is initiated even at reception of a PDP PDU	approved	F	3.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-000282	23.060	150		3.3.1	R99	Suspend at UMTS to GSM handover during CS call	approved	F	3.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-000282	23.060	151		3.3.1	R99	RABs failed information is missing in Forward Relocation Response	approved	F	3.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-000282	23.060	152		3.3.1	R99	Reliable transfer of GTP message "Forward SRNS Context" and "Forward Relocation Complete"	approved	F	3.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-000282	23.060	153		3.3.1	R99	SRNS Relocation Procedure, editorial corrections	approved	F	3.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-000282	23.060	156		3.3.1	R99	Conversion of QoS attributes to LLC attributes in the Aggregate BSS QoS Profile	approved	F	3.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-000282	23.060	159		3.3.1	R99	Clarification of radio bearer re-establishment	approved	F	3.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-000282	23.060	161	2	3.3.1	R99	SNRS Relocation and Inter System HO, when PDCP doesn't support lossless relocation	approved	F	3.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-000282	23.060	162	1	3.3.1	R99	Establishment of LLC link after inter-system HO	approved	F	3.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-000282	23.060	163	1	3.3.1	R99	Classmark handling	approved	F	3.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-000282	23.060	164		3.3.1	R99	Reset of RLC during SRNS relocation	approved	F	3.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-000282	23.060	165	1	3.3.1	R99	Move of Detection Point C2 for Inter SGSN Routeing Area Update	approved	F	3.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-000282	23.060	166	1	3.3.1	R99	Addition of charging characteristics per PDP context	approved	F	3.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-000282	23.060	167	1	3.3.1	R99	IPv6 stateless address autoconfiguration	approved	F	3.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-000282	23.060	168		3.3.1	R99	Addition of charging characteristics per PDP context	approved	F	3.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
NP-000297	23.066	019	2	3.2.0	R99	CR 23.018-052 on North American Service Provider Number Portability impacts for Mobile Number Portability	approved	B	3.3.0	Support of GSM Mobile Number Portability (MNP) stage 2	N4
NP-000245	23.078	062	5	3.4.0	R99	Correction of SDL and IF for Dialled Services in Call Forwarding case	approved	F	3.5.0	CAMEL Stage 2	N2
NP-000241	23.078	077	2	3.4.0	R99	gsmSSF DP handling in CF	approved	A	3.5.0	CAMEL Stage 2	N2
NP-000245	23.078	123	1	3.4.0	R99	Correction of incoming call handling	approved	F	3.5.0	CAMEL Stage 2	N2
NP-000245	23.078	125	2	3.4.0	R99	Correction of Call Gapping	approved	F	3.5.0	CAMEL Stage 2	N2
NP-000245	23.078	130	1	3.4.0	R99	Remove of SII2 frw CCBS treatment ind	approved	F	3.5.0	CAMEL Stage 2	N2
NP-000245	23.078	132		3.4.0	R99	Correction of the CWA SII2 description	approved	F	3.5.0	CAMEL Stage 2	N2
NP-000245	23.078	133	2	3.4.0	R99	Improvements on ATM/ATSI/NSDC	approved	F	3.5.0	CAMEL Stage 2	N2
NP-000245	23.078	138	1	3.4.0	R99	Reception of Int_QoS_Change in the gprsSSF in gsmSSF SDL	approved	F	3.5.0	CAMEL Stage 2	N2

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NP-000243	23.078	140		3.4.0	R99	Disallowing Compound Basic Service group codes for conditional triggering	approved	C	3.5.0	CAMEL Stage 2	N2
NP-000245	23.078	141		3.4.0	R99	Correction on chapter 10.	approved	F	3.5.0	CAMEL Stage 2	N2
NP-000243	23.078	142	1	3.4.0	R99	Proposed information flow on Notify subscriber Data Change	approved	C	3.5.0	CAMEL Stage 2	N2
NP-000246	23.078	145	1	3.4.0	R99	Invocation of O-BCSM in case of GSM call forwarding	approved	F	3.5.0	CAMEL Stage 2	N2
NP-000244	23.078	146	2	3.4.0	R99	Clarification on TDP Analyzedinfoo Criteria checks	approved	F	3.5.0	CAMEL Stage 2	N2
NP-000246	23.078	147	2	3.4.0	R99	CAMEL Subscription Info	approved	F	3.5.0	CAMEL Stage 2	N2
NP-000243	23.078	148	1	3.4.0	R99	Usage of GPRS Reference Number	approved	C	3.5.0	CAMEL Stage 2	N2
NP-000246	23.078	150	2	3.4.0	R99	Correction on Quality of Service (GPRS)	approved	F	3.5.0	CAMEL Stage 2	N2
NP-000246	23.078	153		3.4.0	R99	Alignment of the EventSpecificInformationBCSM Stage 2&3 definitions	approved	F	3.5.0	CAMEL Stage 2	N2
NP-000246	23.078	154		3.4.0	R99	Clean-up the Monitoring state User Interaction	approved	F	3.5.0	CAMEL Stage 2	N2
NP-000246	23.078	156	1	3.4.0	R99	Correction of MM paragraph	approved	F	3.5.0	CAMEL Stage 2	N2
NP-000246	23.078	157		3.4.0	R99	Editorial correction of the GPRS_activate_PDP_context SDL	approved	F	3.5.0	CAMEL Stage 2	N2
NP-000246	23.078	158	1	3.4.0	R99	Removal of ActivityTestSMS operation	approved	F	3.5.0	CAMEL Stage 2	N2
NP-000246	23.078	159	1	3.4.0	R99	PDPid in the EntityReleasedGPRS operation	approved	F	3.5.0	CAMEL Stage 2	N2
NP-000248	23.078	161	1	3.4.0	R99	Renaming "FSM" to "State Model" in GPRS	approved	D	3.5.0	CAMEL Stage 2	N2
NP-000247	23.078	162	2	3.4.0	R99	Various corrections and updates for 23.078	approved	F	3.5.0	CAMEL Stage 2	N2
NP-000247	23.078	163	1	3.4.0	R99	Specification of segmented GPRS Dialogues	approved	F	3.5.0	CAMEL Stage 2	N2
NP-000247	23.078	164		3.4.0	R99	Release of PDP context during Waiting for Instructions	approved	F	3.5.0	CAMEL Stage 2	N2
NP-000247	23.078	165	1	3.4.0	R99	Reset Timer GPRS	approved	F	3.5.0	CAMEL Stage 2	N2
NP-000247	23.078	166		3.4.0	R99	Correction: Enhancement of the SDL for ATM	approved	F	3.5.0	CAMEL Stage 2	N2
NP-000247	23.078	167		3.4.0	R99	gprsSSF definition	approved	F	3.5.0	CAMEL Stage 2	N2
NP-000247	23.078	168		3.4.0	R99	Reference to 3G TS 23.088	approved	F	3.5.0	CAMEL Stage 2	N2
NP-000248	23.078	169		3.4.0	R99	Editorial corrections in the clause 5	approved	D	3.5.0	CAMEL Stage 2	N2
NP-000248	23.078	170	1	3.4.0	R99	Editorial corrections in the clause 6	approved	D	3.5.0	CAMEL Stage 2	N2
NP-000248	23.078	171	1	3.4.0	R99	Editorial corrections in the clause 7	approved	D	3.5.0	CAMEL Stage 2	N2
NP-000248	23.078	172		3.4.0	R99	Editorial corrections in the clause 8	approved	D	3.5.0	CAMEL Stage 2	N2
NP-000248	23.078	173	1	3.4.0	R99	Editorial corrections in the clause 9	approved	D	3.5.0	CAMEL Stage 2	N2
NP-000248	23.078	174	1	3.4.0	R99	Editorial corrections in the clause 10	approved	D	3.5.0	CAMEL Stage 2	N2
NP-000248	23.078	175	1	3.4.0	R99	Editorial corrections in the clause 11	approved	D	3.5.0	CAMEL Stage 2	N2
NP-000247	23.078	176	2	3.4.0	R99	Clarifications on GPRS Concepts	approved	F	3.5.0	CAMEL Stage 2	N2
NP-000240	23.078	177	2	3.4.0	R99	Usage of Announcement Suppression Indicator	approved	A	3.5.0	CAMEL Stage 2	N2
NP-000247	23.078	180	1	3.4.0	R99	Addition of Location Information to Initial DP GPRS	approved	F	3.5.0	CAMEL Stage 2	N2
NP-000291	23.079	014		3.4.0	R99	Indication in PRN of support of Long FTNs	approved	F	3.5.0	Support of Optical Routeing - Phase 1 - Stage 2	N4
NP-000371	23.081	002		3.0.1	R99	Enhanced handling of presentation indicators for CLIP	approved	F	3.1.0	Line Identification Supplementary Services - Stage 2	N4
NP-000291	23.082	006		3.2.0	R99	Indication in PRN of support of Long FTNs	approved	F	3.3.0	Call Forwarding (CF) Supplementary Services - Stage 2	N4
NP-000291	23.082	007	1	3.2.0	R99	Interworking cases for Long Forwarded-to Numbers	approved	C	3.3.0	Call Forwarding (CF) Supplementary Services - Stage 2	N4
SP-000285	23.107	020		3.2.0	R99	Add subflow bit-rate to description of SDU format information	approved	F	3.3.0	Quality of Service, Concept and Architecture	S2

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NP-000270	23.122	003	5	3.2.0	R99	Modification of PLMN Selection Procedures to support UMTS+COMPACT Network Selection	approved	F	3.3.0	Non Access Stratum functions related to Mobile Station (MS) in idle mode	N1
SP-000286	23.127	001	1	3.0.0	R99	OSA Internal API	approved	F	3.1.0	Virtual Home Environment / Open Service Architecture	S2
SP-000286	23.127	002	1	3.0.0	R99	Editorial changes and improvements	approved	F	3.1.0	Virtual Home Environment / Open Service Architecture	S2
SP-000286	23.127	003	1	3.0.0	R99	Alignment with stage 3 (TS 29.198)	approved	F	3.1.0	Virtual Home Environment / Open Service Architecture	S2
SP-000286	23.127	004		3.0.0	R99	Removal of data-related parameters in call control SCF	approved	F	3.1.0	Virtual Home Environment / Open Service Architecture	S2
SP-000286	23.127	005		3.0.0	R99	Replacement of "Camel" by "Network" in Network User	approved	F	3.1.0	Virtual Home Environment / Open Service Architecture	S2
SP-000286	23.127	006	1	3.0.0	R99	Introduction of improved notification mechanism	approved	F	3.1.0	Virtual Home Environment / Open Service Architecture	S2
SP-000286	23.127	008	1	3.0.0	R99	Modification of call control	approved	F	3.1.0	Virtual Home Environment / Open Service Architecture	S2
SP-000286	23.127	009		3.0.0	R99	Data Session Control	approved	F	3.1.0	Virtual Home Environment / Open Service Architecture	S2
SP-000286	23.127	010		3.0.0	R99	Modification of call control SCF	approved	F	3.1.0	Virtual Home Environment / Open Service Architecture	S2
SP-000284	23.171	001	1	3.0.0	R99	Ensure reliable privacy verification for value added LCS MT-LR	approved	F	3.1.0	Functional stage 2 description of location services in UMTS	S2
SP-000284	23.171	002	1	3.0.0	R99	Adding "hooks" indications in UMTS LCS stage 2, Removing PS LCS signaling procedures from R99 23.171	approved	F	3.1.0	Functional stage 2 description of location services in UMTS	S2
NP-000223	23.910	001		3.0.0	R99	Deletion of T 56 kbit/s for UDI	approved	F	3.1.0	Circuit Switched Data Bearer Services	N3
NP-000223	23.910	002		3.0.0	R99	Residual bit error ratio in Transparent Data	approved	F	3.1.0	Circuit Switched Data Bearer Services	N3
NP-000223	23.910	003		3.0.0	R99	Adding the value of GBR of NT services	approved	F	3.1.0	Circuit Switched Data Bearer Services	N3
NP-000223	23.910	004		3.0.0	R99	Indication of discontinuous transfer for NT data	approved	C	3.1.0	Circuit Switched Data Bearer Services	N3
NP-000229	23.910	005		3.0.0	R99	Clarification of IuUP in Transparent	approved	F	3.1.0	Circuit Switched Data Bearer Services	N3
NP-000223	23.910	006		3.0.0	R99	Clarification for 56 and 64 kbit/s	approved	F	3.1.0	Circuit Switched Data Bearer Services	N3
NP-000223	23.910	007		3.0.0	R99	Alignment with 29.007	approved	F	3.1.0	Circuit Switched Data Bearer Services	N3
NP-000229	23.910	008		3.0.0	R99	Clarification of IuUP PDU Type for NT data	approved	F	3.1.0	Circuit Switched Data Bearer Services	N3
NP-000270	24.007	012		3.3.1	R99	Remove GRR primitive descriptions and make reference to other document	approved	F	3.4.0	Mobile Radio Interface Signalling Layer 3 - General Aspects	N1
NP-000269	24.007	014	2	3.3.1	R99	Change of the GMM Ready Timer behaviour	approved	F	3.4.0	Mobile Radio Interface Signalling Layer 3 - General Aspects	N1
NP-000269	24.007	015		3.3.1	R99	Protocol Discriminator to route packet data sent by a DTM mobile from BSC to PCU	approved	C	3.4.0	Mobile Radio Interface Signalling Layer 3 - General Aspects	N1
NP-000270	24.007	016		3.3.1	R99	Services provided by the Radio Resource Management entity	approved	C	3.4.0	Mobile Radio Interface Signalling Layer 3 - General Aspects	N1
NP-000270	24.007	017		3.3.1	R99	Updating SM for R99	approved	F	3.4.0	Mobile Radio Interface Signalling Layer 3 - General Aspects	N1
NP-000273	24.008	137	1	3.3.1	R99	Network Authentication Failure	approved	C	3.4.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3	N1

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NP-000368	24.008	176	2	3.3.1	R99	Clarification of reference to Q.931 for LLC IE	approved	C	3.4.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3	N1
NP-000270	24.008	184	1	3.3.1	R99	Introduction of 3G MS capabilities in MS Classmark 3 (Introduction of 3G MS capabilities in MS Classmark 3)	approved	C	3.4.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3	N1
NP-000268	24.008	185		3.3.1	R99	Alignment on ISDN BC Coding	approved	F	3.4.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3	N1
NP-000272	24.008	187	1	3.3.1	R99	Additional SDU error rate value	approved	F	3.4.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3	N1
NP-000272	24.008	188		3.3.1	R99	TFT IE length and editorials	approved	F	3.4.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3	N1
NP-000270	24.008	189	1	3.3.1	R99	DRX value 0000 clarification and R97 compatibility issue	approved	F	3.4.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3	N1
NP-000270	24.008	190	1	3.3.1	R99	Compatibility issue due to deletion of SM cause #35	approved	F	3.4.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3	N1
NP-000368	24.008	191		3.3.1	R99	References and editorial corrections to 24.008	approved	F	3.4.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3	N1
NP-000367	24.008	192	1	3.3.1	R99	IMEI hex coding	postponed	C		Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3	N1
NP-000269	24.008	193	1	3.3.1	R99	MODIFY PDP CONTEXT REJECT -message definition	approved	F	3.4.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3	N1
NP-000270	24.008	194	1	3.3.1	R99	Clarifications on GSM - UMTS interoperability	approved	F	3.4.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3	N1
NP-000270	24.008	195	2	3.3.1	R99	MS behavior if RAU attempt counter is greater than or equal to 5	approved	F	3.4.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3	N1
NP-000271	24.008	196		3.3.1	R99	Applicability of CS Multimedia to GSM	approved	C	3.4.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3	N1
NP-000279	24.008	201	1	3.3.1	R99	COMPACT Mobile Station Interference Measurements Capability	approved	F	3.4.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3	N1
NP-000270	24.008	203		3.3.1	R99	Editorial corrections to MM and GMM in 24.008	approved	F	3.4.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3	N1
NP-000266	24.008	204		3.3.1	R99	Removal of P-TMSI signature in Service Request message	approved	F	3.4.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3	N1

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NP-000265	24.008	206		3.3.1	R99	Removal of Service Accept message	postponed	F		Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3	N1
NP-000273	24.008	207	1	3.3.1	R99	Integrity checking of MM/GMM messages and integrity protection during emergency call	approved	F	3.4.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3	N1
NP-000269	24.008	208	3	3.3.1	R99	Change of the GMM Ready Timer behaviour	approved	F	3.4.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3	N1
NP-000269	24.008	209		3.3.1	R99	Network behaviour, abnormal cases detach	approved	F	3.4.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3	N1
NP-000269	24.008	210		3.3.1	R99	IEI value of the 'Tear down indicator' IE	approved	F	3.4.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3	N1
NP-000267	24.008	211	1	3.3.1	R99	Inclusion of PFC Feature Mode in MS Network Capability IE	approved	F	3.4.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3	N1
NP-000272	24.008	212		3.3.1	R99	Reserve one bit in PFI	approved	F	3.4.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3	N1
NP-000273	24.008	213	1	3.3.1	R99	Alignment of CC and SM protocols with current MM/GMM integrity protection rules	approved	C	3.4.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3	N1
NP-000269	24.008	214		3.3.1	R99	Modification of MS Classmark 3 and modification of MS RA Capabilities, for DTM mobile stations.	approved	C	3.4.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3	N1
NP-000270	24.008	215		3.3.1	R99	Correction of references in protocol error handling for SM	approved	F	3.4.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3	N1
NP-000273	24.008	216	2	3.3.1	R99	Correction of the MM Authentication procedure	approved	F	3.4.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3	N1
NP-000273	24.008	217		3.3.1	R99	Correction of the GMM Authentication and ciphering procedure	approved	F	3.4.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3	N1
NP-000368	24.008	218	3	3.3.1	R99	Addition of "Cause of No CLI" IE in SETUP message	approved	B	3.4.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3	N1
NP-000270	24.008	220	1	3.3.1	R99	Modification of QoS to support max 0kbps	approved	B	3.4.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3	N1
NP-000270	24.008	221	2	3.3.1	R99	Recovery from PDP context inconsistency	approved	B	3.4.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3	N1
NP-000269	24.008	222	1	3.3.1	R99	Clarification on local and foreign TLLI management	approved	A	3.4.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols-Stage 3	N1

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NP-000326	24.010	001		3.0.0	R99	Alignment of SS protocol with current MM/GMM integrity protection rules	approved	C	3.1.0	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	N4
NP-000273	24.011	006	1	3.2.0	R99	Alignment of SMS protocol with current MM/GMM integrity protection rules	approved	C	3.3.0	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	N1
NP-000229	24.022	004		3.2.0	R99	RLP timer T4 in UMTS	approved	F	3.3.0	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	N3
NP-000288	24.080	004		3.2.0	R99	Correction of definition of Deflected-to number	approved	A	3.3.0	Mobile radio Layer 3 Supplementary Service specification - Formats and coding	N4
NP-000371	24.081	001		3.0.0	R99	Cause of no CLI indication	approved	F	3.1.0	Line Identification Supplementary Service - Stage 3	N4
RP-000204	25.101	040	1	3.2.2	R99	A test for UE's SIR target setting in a call set up	approved	F	3.3.0	UE Radio transmission and reception (FDD)	R4
RP-000204	25.101	041	1	3.2.2	R99	Reception of TPC commands in a soft handover	approved	F	3.3.0	UE Radio transmission and reception (FDD)	R4
RP-000204	25.101	042		3.2.2	R99	DCH requirement for 64 kbps measurement channel in birth-death propagation condition	approved	F	3.3.0	UE Radio transmission and reception (FDD)	R4
RP-000204	25.101	043		3.2.2	R99	Power control in the downlink, constant BLER target	approved	F	3.3.0	UE Radio transmission and reception (FDD)	R4
RP-000204	25.101	044		3.2.2	R99	Value update for 384 kbps measurement channel requirements	approved	F	3.3.0	UE Radio transmission and reception (FDD)	R4
RP-000204	25.101	045	1	3.2.2	R99	CR for demodulation of DCH	approved	F	3.3.0	UE Radio transmission and reception (FDD)	R4
RP-000204	25.101	046		3.2.2	R99	Correction for measurement channel in TS 25.101	approved	F	3.3.0	UE Radio transmission and reception (FDD)	R4
RP-000204	25.101	047		3.2.2	R99	Editorial CR on section 8.6.3 of TS25.101 v3.2.0	approved	D	3.3.0	UE Radio transmission and reception (FDD)	R4
RP-000204	25.101	048		3.2.2	R99	Correction of frequency numbering scheme	approved	F	3.3.0	UE Radio transmission and reception (FDD)	R4
RP-000204	25.101	049		3.2.2	R99	Correction - Propagation conditions	approved	F	3.3.0	UE Radio transmission and reception (FDD)	R4
RP-000204	25.101	050		3.2.2	R99	Compressed mode tests	approved	F	3.3.0	UE Radio transmission and reception (FDD)	R4
RP-000204	25.101	051		3.2.2	R99	Correction of Out-of-sync criteria	approved	F	3.3.0	UE Radio transmission and reception (FDD)	R4
RP-000204	25.101	052		3.2.2	R99	Editorial corrections for TS25.101.	approved	F	3.3.0	UE Radio transmission and reception (FDD)	R4
RP-000204	25.101	053		3.2.2	R99	Clarification of the specification on Peak Code Domain Error (PCDE)	approved	F	3.3.0	UE Radio transmission and reception (FDD)	R4
RP-000204	25.101	054		3.2.2	R99	Transients for uplink power steps	approved	F	3.3.0	UE Radio transmission and reception (FDD)	R4
RP-000204	25.101	055		3.2.2	R99	Power setting for uplink compressed mode and RACH preambles	approved	F	3.3.0	UE Radio transmission and reception (FDD)	R4

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RP-000204	25.101	056		3.2.2	R99	UE interfering signal definition	approved	F	3.3.0	UE Radio transmission and reception (FDD)	R4
RP-000204	25.101	057		3.2.2	R99	Downlink Power Control, wind up effects	approved	F	3.3.0	UE Radio transmission and reception (FDD)	R4
RP-000204	25.101	058		3.2.2	R99	Use of P-CPICH and S-CPICH for performance requirements	approved	F	3.3.0	UE Radio transmission and reception (FDD)	R4
RP-000204	25.101	059	1	3.2.2	R99	Performance of Closed Loop Diversity mode 2 and Mode 1	approved	F	3.3.0	UE Radio transmission and reception (FDD)	R4
RP-000204	25.101	060		3.2.2	R99	Removal of brackets from Inter-Cell SHO test case	approved	F	3.3.0	UE Radio transmission and reception (FDD)	R4
RP-000204	25.101	061		3.2.2	R99	Editorial corrections on moving propagation conditions	approved	F	3.3.0	UE Radio transmission and reception (FDD)	R4
RP-000205	25.102	026		3.2.0	R99	Correction of DL measurement channels for TDD-mode	approved	F	3.3.0	UE Radio transmission and reception (TDD)	R4
RP-000205	25.102	027		3.2.0	R99	Reference Measurement Channel for UE Peak Code Domain Error	approved	F	3.3.0	UE Radio transmission and reception (TDD)	R4
RP-000205	25.102	028		3.2.0	R99	Correction for Uplink power control	approved	F	3.3.0	UE Radio transmission and reception (TDD)	R4
RP-000205	25.102	029		3.2.0	R99	UE TDD P-CCPCH Block STTD performance requirements	approved	F	3.3.0	UE Radio transmission and reception (TDD)	R4
RP-000205	25.102	030		3.2.0	R99	Modification to the handling of UE TDD Measurement Uncertainty	approved	F	3.3.0	UE Radio transmission and reception (TDD)	R4
RP-000205	25.102	031		3.2.0	R99	Clarification of the specification on Peak Code Domain Error (PCDE)	approved	F	3.3.0	UE Radio transmission and reception (TDD)	R4
RP-000206	25.104	040		3.2.0	R99	Correction of frequency numbering scheme	approved	F	3.3.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-000206	25.104	041		3.2.0	R99	Add requirements on SSDT from 5.1.1.8.	approved	F	3.3.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-000206	25.104	042		3.2.0	R99	Correction to Emission mask	approved	F	3.3.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-000206	25.104	043		3.2.0	R99	Clarification of the specification on Peak Code Domain Error (PCDE)	approved	F	3.3.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-000206	25.104	044		3.2.0	R99	Editorial changes, including definitions and abbreviations	approved	D	3.3.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-000206	25.104	045		3.2.0	R99	Reference Measurement Channels	approved	F	3.3.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-000206	25.104	046		3.2.0	R99	Editorial corrections on moving propagation conditions	approved	F	3.3.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-000206	25.104	047		3.2.0	R99	Conformance values for dynamic propagation conditions	approved	F	3.3.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-000206	25.104	048		3.2.0	R99	Alignment of measurement descriptions between 25.141 and 25.101	approved	F	3.3.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-000207	25.105	032		3.2.0	R99	Reference Measurement Channels	approved	F	3.3.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-000207	25.105	033		3.2.0	R99	Regional requirements in TS 25.105	approved	F	3.3.0	UTRA (BS) TDD: Radio transmission and reception	R4

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RP-000207	25.105	034		3.2.0	R99	Clarification of receiver dynamic range.	approved	F	3.3.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-000207	25.105	035		3.2.0	R99	Input power level for performance requirements	approved	F	3.3.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-000207	25.105	036		3.2.0	R99	Modification to the handling of UE TDD Measurement Uncertainty	approved	F	3.3.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-000207	25.105	037		3.2.0	R99	Clarification of the specification on Peak Code Domain Error (PCDE)	approved	F	3.3.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-000207	25.105	038		3.2.0	R99	Correction for emission mask measurement (TDD)	approved	F	3.3.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-000208	25.113	004		3.1.0	R99	Correction according to IEC and CISPR Standards	approved	F	3.2.0	Base station EMC	R4
RP-000209	25.123	008		3.1.1	R99	Correction of UTRAN 'Transmitted carrier power' accuracy requirements	approved	F	3.2.0	Requirements for support of radio resource management (TDD)	R4
RP-000209	25.123	009		3.1.1	R99	Measurement reporting delay	approved	F	3.2.0	Requirements for support of radio resource management (TDD)	R4
RP-000209	25.123	010		3.1.1	R99	Update of UE SIR Measurements performance requirements	approved	F	3.2.0	Requirements for support of radio resource management (TDD)	R4
RP-000209	25.123	011		3.1.1	R99	UE Transport Channel BLER measurement	approved	F	3.2.0	Requirements for support of radio resource management (TDD)	R4
RP-000209	25.123	012		3.1.1	R99	Editorial corrections of 25.123	approved	F	3.2.0	Requirements for support of radio resource management (TDD)	R4
RP-000209	25.123	013		3.1.1	R99	Range and mapping in TS 25.123 (TDD)	approved	F	3.2.0	Requirements for support of radio resource management (TDD)	R4
RP-000209	25.123	014		3.1.1	R99	Requirement for UE Tx Power Measurement	approved	F	3.2.0	Requirements for support of radio resource management (TDD)	R4
RP-000209	25.123	015		3.1.1	R99	Addition of test parameters to RRM Measurements performance requirements	approved	F	3.2.0	Requirements for support of radio resource management (TDD)	R4
RP-000210	25.133	010		3.1.0	R99	Measurement period for UTRAN SIR	approved	F	3.2.0	Requirements for support of radio resource management (FDD)	R4
RP-000210	25.133	011		3.1.0	R99	Measurement period for UE BLER	approved	F	3.2.0	Requirements for support of radio resource management (FDD)	R4
RP-000210	25.133	013		3.1.0	R99	Measurement delay reporting	approved	F	3.2.0	Requirements for support of radio resource management (FDD)	R4
RP-000210	25.133	015		3.1.0	R99	Correction - Propagation conditions	approved	F	3.2.0	Requirements for support of radio resource management (FDD)	R4
RP-000210	25.133	016		3.1.0	R99	Remove requirements on SSDT from 5.1.1.8.	approved	F	3.2.0	Requirements for support of radio resource management (FDD)	R4
RP-000210	25.133	017		3.1.0	R99	Update of test parameters to P-CCPCH Measurements performance requirements	approved	F	3.2.0	Requirements for support of radio resource management (FDD)	R4
RP-000210	25.133	018		3.1.0	R99	Repetition Period of System Information	approved	F	3.2.0	Requirements for support of radio resource management (FDD)	R4
RP-000210	25.133	019		3.1.0	R99	Alignment of Cell Selection/reselection test scenario parameters	approved	F	3.2.0	Requirements for support of radio resource management (FDD)	R4
RP-000210	25.133	020		3.1.0	R99	Editorial corrections for TS25.133	approved	F	3.2.0	Requirements for support of radio resource management (FDD)	R4
RP-000210	25.133	021		3.1.0	R99	Removal of Annex A	approved	F	3.2.0	Requirements for support of radio resource management (FDD)	R4

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RP-000210	25.133	022		3.1.0	R99	Requirement for UE Tx Power Measurement	approved	F	3.2.0	Requirements for support of radio resource management (FDD)	R4
RP-000210	25.133	023		3.1.0	R99	Insertion of Range/Mapping from TS 25.215 revised	approved	F	3.2.0	Requirements for support of radio resource management (FDD)	R4
RP-000210	25.133	024		3.1.0	R99	Signalling response delay	approved	F	3.2.0	Requirements for support of radio resource management (FDD)	R4
RP-000210	25.133	025		3.1.0	R99	Missing measurement periods	approved	F	3.2.0	Requirements for support of radio resource management (FDD)	R4
RP-000210	25.133	026		3.1.0	R99	RRC Connection mobility in Cell_FACH, Cell_PCH and URA_PCH	approved	F	3.2.0	Requirements for support of radio resource management (FDD)	R4
RP-000210	25.133	027		3.1.0	R99	Switching delay requirement for inter-system handover	approved	F	3.2.0	Requirements for support of radio resource management (FDD)	R4
RP-000210	25.133	028		3.1.0	R99	UE Chip time measurements	approved	F	3.2.0	Requirements for support of radio resource management (FDD)	R4
RP-000210	25.133	029		3.1.0	R99	UE Transmit Timing Adjustment	approved	F	3.2.0	Requirements for support of radio resource management (FDD)	R4
RP-000210	25.133	030		3.1.0	R99	Add GPS timing measurements to TS 25.133	approved	F	3.2.0	Requirements for support of radio resource management (FDD)	R4
RP-000210	25.133	031		3.1.0	R99	Test scenario for UTRAN to GSM cell re-selection	approved	F	3.2.0	Requirements for support of radio resource management (FDD)	R4
RP-000210	25.133	032		3.1.0	R99	Proposed test case for random access procedure (FDD)	approved	F	3.2.0	Requirements for support of radio resource management (FDD)	R4
RP-000210	25.133	033		3.1.0	R99	Inclusion of measurement granularities and ranges	approved	F	3.2.0	Requirements for support of radio resource management (FDD)	R4
RP-000210	25.133	034		3.1.0	R99	Parallel measurement requirements	approved	F	3.2.0	Requirements for support of radio resource management (FDD)	R4
RP-000210	25.133	035		3.1.0	R99	UE Hard handover switching time	approved	F	3.2.0	Requirements for support of radio resource management (FDD)	R4
RP-000211	25.141	027		3.1.0	R99	Add test specification on SSDT to 8.6.	approved	F	3.2.0	Base station conformance testing (FDD)	R4
RP-000211	25.141	028		3.1.0	R99	Synchronisation of signal generators	approved	F	3.2.0	Base station conformance testing (FDD)	R4
RP-000211	25.141	029		3.1.0	R99	Correction to Emission mask measurement	approved	F	3.2.0	Base station conformance testing (FDD)	R4
RP-000211	25.141	030		3.1.0	R99	Clarification of the specification on Peak Code Domain Error (PCDE)	approved	F	3.2.0	Base station conformance testing (FDD)	R4
RP-000211	25.141	031		3.1.0	R99	Performance requirements	approved	F	3.2.0	Base station conformance testing (FDD)	R4
RP-000211	25.141	032		3.1.0	R99	Frequency stability measurement using complex demodulation	approved	F	3.2.0	Base station conformance testing (FDD)	R4
RP-000211	25.141	033		3.1.0	R99	Editorial corrections on moving propagation conditions	approved	F	3.2.0	Base station conformance testing (FDD)	R4
RP-000211	25.141	034		3.1.0	R99	Editorial correction on Spurious emissions	approved	D	3.2.0	Base station conformance testing (FDD)	R4
RP-000211	25.141	035		3.1.0	R99	Corrections to the seed of P-CCPCH	approved	F	3.2.0	Base station conformance testing (FDD)	R4
RP-000211	25.141	036		3.1.0	R99	Data clock accuracy	approved	F	3.2.0	Base station conformance testing (FDD)	R4
RP-000211	25.141	037		3.1.0	R99	Corrections to several missing items and clarifications	approved	F	3.2.0	Base station conformance testing (FDD)	R4
RP-000212	25.142	013		3.1.0	R99	UL Reference Measurement Channels	approved	F	3.2.0	Base station conformance testing (TDD)	R4
RP-000212	25.142	014		3.1.0	R99	Regional requirements in TS 25.142	approved	F	3.2.0	Base station conformance testing (TDD)	R4
RP-000212	25.142	015		3.1.0	R99	Conformance test description for receiver dynamic range.	approved	F	3.2.0	Base station conformance testing (TDD)	R4
RP-000212	25.142	016		3.1.0	R99	Correction of the interfering power level for performance requirements	approved	F	3.2.0	Base station conformance testing (TDD)	R4

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RP-000212	25.142	017		3.1.0	R99	Definitions of maximum output power and rated output power	approved	F	3.2.0	Base station conformance testing (TDD)	R4
RP-000212	25.142	018		3.1.0	R99	Correction of blocking requirements	approved	F	3.2.0	Base station conformance testing (TDD)	R4
RP-000212	25.142	020		3.1.0	R99	Conformance test description for modulation accuracy	approved	F	3.2.0	Base station conformance testing (TDD)	R4
RP-000212	25.142	021		3.1.0	R99	Modification to the handling of BS TDD Measurement Uncertainty	approved	F	3.2.0	Base station conformance testing (TDD)	R4
RP-000212	25.142	022		3.1.0	R99	Clarification of the specification on Peak Code Domain Error (PCDE)	approved	F	3.2.0	Base station conformance testing (TDD)	R4
RP-000212	25.142	023		3.1.0	R99	Relationship between RF generation and chip clock	approved	F	3.2.0	Base station conformance testing (TDD)	R4
RP-000212	25.142	024		3.1.0	R99	Correction on Receiver tests, terminating RX port	approved	F	3.2.0	Base station conformance testing (TDD)	R4
RP-000212	25.142	025		3.1.0	R99	Revision of Annex C: Global in-channel Tx test	approved	F	3.2.0	Base station conformance testing (TDD)	R4
RP-000212	25.142	026		3.1.0	R99	Conformance test description for spectrum emission mask	approved	F	3.2.0	Base station conformance testing (TDD)	R4
RP-000212	25.142	027		3.1.0	R99	Test connection definition	approved	F	3.2.0	Base station conformance testing (TDD)	R4
RP-000264	25.201	002		3.0.2	R99	Corrections to align with TS 25.212 and TR 25.944	approved	F	3.1.0	Physical layer -General Description	R1
RP-000264	25.201	003	1	3.0.2	R99	Editorial corrections	approved	F	3.1.0	Physical layer -General Description	R1
RP-000264	25.201	004		3.0.2	R99	Physical layer information flow	approved	D	3.1.0	Physical layer -General Description	R1
RP-000264	25.201	005	1	3.0.2	R99	Preferred mathematical notation for editorial unity of L1 documentation	approved	D	3.1.0	Physical layer -General Description	R1
RP-000265	25.211	047	4	3.2.0	R99	Clarifications to power control preamble sections	approved	F	3.3.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-000265	25.211	048		3.2.0	R99	Propagation delay for PCPCH	approved	B	3.3.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-000265	25.211	049	1	3.2.0	R99	PICH undefined bits and AICH, AP-ICH, CD/CA-ICH non-transmitted chips	approved	C	3.3.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-000265	25.211	051	1	3.2.0	R99	Bit value notation change for PICH and CSICH	approved	F	3.3.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-000265	25.211	053	1	3.2.0	R99	Revision of notes in sections 5.3.2 and 5.3.2.1	approved	D	3.3.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-000265	25.211	054	5	3.2.0	R99	Slot format clarification for CPCH	approved	F	3.3.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-000265	25.211	055	3	3.2.0	R99	Physical channel nomenclature in FDD	approved	F	3.3.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-000265	25.211	056	3	3.2.0	R99	Clarification for the PDSCH channelisation code association with DPCH in 25.211	approved	F	3.3.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-000265	25.211	057	2	3.2.0	R99	Slot formats for downlink power control preambles	approved	F	3.3.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1

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RP-000265	25.211	058		3.2.0	R99	Clarification of spreading factor for AICH	approved	D	3.3.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-000265	25.211	059	2	3.2.0	R99	Correction to timing of DPCH initialisation	postponed	F		Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-000265	25.211	060		3.2.0	R99	Explicit mention of slot format reconfiguration also for uplink	approved	D	3.3.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-000266	25.212	066	1	3.2.0	R99	Section 4.4.5 and table 9 is moved to informative annex	approved	F	3.3.0	Multiplexing and channel coding (FDD)	R1
RP-000266	25.212	068		3.2.0	R99	Editorial modifications of 25.212	approved	D	3.3.0	Multiplexing and channel coding (FDD)	R1
RP-000266	25.212	069		3.2.0	R99	Removal of BTFD for flexible positions in Release 99	approved	F	3.3.0	Multiplexing and channel coding (FDD)	R1
RP-000266	25.212	070	1	3.2.0	R99	Editorial modifications	approved	D	3.3.0	Multiplexing and channel coding (FDD)	R1
RP-000266	25.212	071	1	3.2.0	R99	Corrections and editorial modifications of 25.212 for 2nd insertion of DTX bits for CM	approved	F	3.3.0	Multiplexing and channel coding (FDD)	R1
RP-000266	25.212	072	4	3.2.0	R99	Corrections to 25.212 (Rate Matching, p-bit insertion, PhCH segmentation)	approved	F	3.3.0	Multiplexing and channel coding (FDD)	R1
RP-000266	25.212	073		3.2.0	R99	Editorial correction in 25.212 coding/multiplexing	approved	F	3.3.0	Multiplexing and channel coding (FDD)	R1
RP-000266	25.212	074	2	3.2.0	R99	Bit separation of the Turbo encoded data	approved	D	3.3.0	Multiplexing and channel coding (FDD)	R1
RP-000266	25.212	076	1	3.2.0	R99	Revision of code block segmentation description	approved	D	3.3.0	Multiplexing and channel coding (FDD)	R1
RP-000266	25.212	077		3.2.0	R99	Clarifications for TFCI coding	approved	F	3.3.0	Multiplexing and channel coding (FDD)	R1
RP-000266	25.212	078	2	3.2.0	R99	Clarifying the rate matching parameter setting for the RACH and BCH	approved	F	3.3.0	Multiplexing and channel coding (FDD)	R1
RP-000266	25.212	080		3.2.0	R99	Clarification on BTFD utilisation (single CCTrCH)	approved	F	3.3.0	Multiplexing and channel coding (FDD)	R1
RP-000266	25.212	081		3.2.0	R99	Correction of order of checking TFC during flexible position RM parameter determination	approved	F	3.3.0	Multiplexing and channel coding (FDD)	R1
RP-000266	25.212	082		3.2.0	R99	Editorial corrections in channel coding section	approved	F	3.3.0	Multiplexing and channel coding (FDD)	R1
RP-000266	25.212	083		3.2.0	R99	Correction for bit separation and bit collection	approved	F	3.3.0	Multiplexing and channel coding (FDD)	R1
RP-000266	25.212	084	1	3.2.0	R99	Correction on the spreading factor selection for the RACH	approved	F	3.3.0	Multiplexing and channel coding (FDD)	R1
RP-000267	25.213	033		3.2.0	R99	Clarifications to power control preamble sections	approved	F	3.3.0	Spreading and modulation (FDD)	R1
RP-000267	25.213	034	2	3.2.0	R99	Numbering of the PCPCH access preamble and collision detection preamble scrambling codes	approved	D	3.3.0	Spreading and modulation (FDD)	R1
RP-000267	25.213	035		3.2.0	R99	DPDCH/DPCCH gain factors	approved	F	3.3.0	Spreading and modulation (FDD)	R1
RP-000268	25.214	084		3.2.0	R99	Addition of CSICH power parameter	approved	B	3.3.0	FDD; physical layer procedures	R1
RP-000268	25.214	085		3.2.0	R99	Correction to power control in compressed mode recovery period	approved	F	3.3.0	FDD; physical layer procedures	R1
RP-000268	25.214	086	1	3.2.0	R99	Revisions to power control for CPCH	approved	F	3.3.0	FDD; physical layer procedures	R1
RP-000268	25.214	087		3.2.0	R99	Corrections to uplink DCH power control sections	approved	F	3.3.0	FDD; physical layer procedures	R1
RP-000268	25.214	090	3	3.2.0	R99	Level of specification of downlink power control	approved	C	3.3.0	FDD; physical layer procedures	R1
RP-000268	25.214	091	1	3.2.0	R99	Clarification of TX diversity power setting	approved	F	3.3.0	FDD; physical layer procedures	R1
RP-000268	25.214	092		3.2.0	R99	PICH undefined bits	approved	C	3.3.0	FDD; physical layer procedures	R1
RP-000268	25.214	095	1	3.2.0	R99	DPDCH/DPCCH gain factors	approved	F	3.3.0	FDD; physical layer procedures	R1
RP-000268	25.214	096	3	3.2.0	R99	Correction to RACH subchannel definition	approved	F	3.3.0	FDD; physical layer procedures	R1
RP-000268	25.214	097	1	3.2.0	R99	The power setting of the CCC field of DL DPCCH for CPCH	approved	F	3.3.0	FDD; physical layer procedures	R1
RP-000268	25.214	098	4	3.2.0	R99	Procedure for end of transmission indicator in CPCH	approved	B	3.3.0	FDD; physical layer procedures	R1

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RP-000268	25.214	099		3.2.0	R99	Downlink inner-loop power control in compressed mode	approved	C	3.3.0	FDD; physical layer procedures	R1
RP-000268	25.214	100		3.2.0	R99	Definition of vector transmission weight entity	approved	F	3.3.0	FDD; physical layer procedures	R1
RP-000268	25.214	101	1	3.2.0	R99	Number of slots for DPCCH power control preamble	approved	C	3.3.0	FDD; physical layer procedures	R1
RP-000268	25.214	102		3.2.0	R99	Clarification of UTRAN Tx diversity reponse timing description in 25.214	approved	F	3.3.0	FDD; physical layer procedures	R1
RP-000268	25.214	103	2	3.2.0	R99	Corrections to transmit diversity section	approved	F	3.3.0	FDD; physical layer procedures	R1
RP-000268	25.214	104	1	3.2.0	R99	Corrections to uplink power control in compressed mode	approved	F	3.3.0	FDD; physical layer procedures	R1
RP-000268	25.214	105		3.2.0	R99	Clarification of downlink power control mode	approved	F	3.3.0	FDD; physical layer procedures	R1
RP-000268	25.214	106		3.2.0	R99	Clarification of radio link set	approved	F	3.3.0	FDD; physical layer procedures	R1
RP-000268	25.214	107	1	3.2.0	R99	Clarification of radio link synchronisation procedure	approved	C	3.3.0	FDD; physical layer procedures	R1
RP-000269	25.214	108		3.2.0	R99	Correctly quantized gainfactors for uplink compressed mode	approved	F	3.3.0	FDD; physical layer procedures	R1
RP-000270	25.215	049	1	3.2.0	R99	Propagation delay for PCPCH	approved	B	3.3.0	Physical layer; Measurements (FDD)	R1
RP-000270	25.215	050	1	3.2.0	R99	Maximum number of simultaneous compressed mode pattern sequences	approved	C	3.3.0	Physical layer; Measurements (FDD)	R1
RP-000270	25.215	051	1	3.2.0	R99	Clarification of Physical channel BER	approved	F	3.3.0	Physical layer; Measurements (FDD)	R1
RP-000270	25.215	052		3.2.0	R99	Clarification of transmitted code power	approved	F	3.3.0	Physical layer; Measurements (FDD)	R1
RP-000270	25.215	053		3.2.0	R99	Editorial correction in TS 25.215	approved	F	3.3.0	Physical layer; Measurements (FDD)	R1
RP-000270	25.215	055		3.2.0	R99	Proposed CR for Measurements of RACH in FDD	approved	B	3.3.0	Physical layer; Measurements (FDD)	R1
RP-000270	25.215	056		3.2.0	R99	Proposed CR for Measurements of CPCH in FDD	approved	B	3.3.0	Physical layer; Measurements (FDD)	R1
RP-000270	25.215	057		3.2.0	R99	Transfer of information from TS 25.212 table 9 to TS 25.215	approved	F	3.3.0	Physical layer; Measurements (FDD)	R1
RP-000270	25.215	058		3.2.0	R99	Correction to CM parameter list	approved	F	3.3.0	Physical layer; Measurements (FDD)	R1
RP-000270	25.215	062		3.2.0	R99	Clarification of radio link measurements in compressed mode	approved	F	3.3.0	Physical layer; Measurements (FDD)	R1
RP-000270	25.215	063		3.2.0	R99	Clarification of the Transmitted code power measurement in Tx diversity	approved	F	3.3.0	Physical layer; Measurements (FDD)	R1
RP-000270	25.215	064	1	3.2.0	R99	Removal of Range/mapping	approved	F	3.3.0	Physical layer; Measurements (FDD)	R1
RP-000270	25.215	066		3.2.0	R99	Removal of UTRAN TrCH BLER measurement	approved	F	3.3.0	Physical layer; Measurements (FDD)	R1
RP-000271	25.221	018	1	3.2.0	R99	Removal of the reference to ODMA	approved	D	3.3.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-000271	25.221	019		3.2.0	R99	Editorial changes in transport channels section	approved	D	3.3.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-000271	25.221	020	1	3.2.0	R99	TPC transmission for TDD	approved	F	3.3.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-000271	25.221	021		3.2.0	R99	Editorial modification of 25.221	approved	D	3.3.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-000271	25.221	023		3.2.0	R99	Clarifications on TxDiversity for UTRA TDD	approved	D	3.3.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-000271	25.221	024		3.2.0	R99	Clarifications on PCH and PICH in UTRA TDD	approved	F	3.3.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1

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RP-000272	25.222	030		3.2.1	R99	Parity bit attachment to 0 size transport block	approved	B	3.3.0	Multiplexing and channel coding (TDD)	R1
RP-000272	25.222	031		3.2.1	R99	Correction of the mapping formula	approved	F	3.3.0	Multiplexing and channel coding (TDD)	R1
RP-000272	25.222	034		3.2.1	R99	Alignment of Multiplexing for TDD	approved	F	3.3.0	Multiplexing and channel coding (TDD)	R1
RP-000272	25.222	036	2	3.2.0	R99	Bit separation of the Turbo encoded data	approved	D	3.3.0	Multiplexing and channel coding (TDD)	R1
RP-000272	25.222	038	2	3.2.1	R99	Revision of code block segmentation description	approved	D	3.3.0	Multiplexing and channel coding (TDD)	R1
RP-000272	25.222	039		3.2.1	R99	Editorial corrections in channel coding section	approved	F	3.3.0	Multiplexing and channel coding (TDD)	R1
RP-000273	25.223	008		3.2.0	R99	Editorial Modifications for 25.223	approved	D	3.3.0	Spreading and modulation (TDD)	R1
RP-000273	25.223	009		3.2.0	R99	Editorial modification of 25.223	approved	D	3.3.0	Spreading and modulation (TDD)	R1
RP-000273	25.223	010		3.2.0	R99	Editorial modification of 25.223	approved	D	3.3.0	Spreading and modulation (TDD)	R1
RP-000273	25.223	011	2	3.2.0	R99	Editorial modification of 25.223	approved	D	3.3.0	Spreading and modulation (TDD)	R1
RP-000273	25.223	012	2	3.2.0	R99	Modified code sets on SCH for cell search in UTRA TDD	approved	F	3.3.0	Spreading and modulation (TDD)	R1
RP-000273	25.223	013	1	3.2.0	R99	Editorial update of TS25.223	approved	D	3.3.0	Spreading and modulation (TDD)	R1
RP-000274	25.224	016		3.2.0	R99	Editorial correction for the power control section in 25.224	approved	D	3.3.0	TDD; physical layer procedures	R1
RP-000274	25.224	017		3.2.0	R99	Power control for TDD during DTX	approved	F	3.3.0	TDD; physical layer procedures	R1
RP-000274	25.224	018	1	3.2.0	R99	Power Control for PDSCH	approved	F	3.3.0	TDD; physical layer procedures	R1
RP-000274	25.224	020	1	3.2.0	R99	Editorial modification of 25.224	approved	D	3.3.0	TDD; physical layer procedures	R1
RP-000274	25.224	021		3.2.0	R99	Clarifications on TxDiversity for UTRA TDD	approved	D	3.3.0	TDD; physical layer procedures	R1
RP-000274	25.224	022	1	3.2.0	R99	Introduction of the TDD DSCH detection procedure in TS 25.224	approved	F	3.3.0	TDD; physical layer procedures	R1
RP-000274	25.224	023		3.2.0	R99	Downlink power control on timeslot basis	approved	C	3.3.0	TDD; physical layer procedures	R1
RP-000275	25.225	009		3.2.0	R99	Clarifications on TxDiversity for UTRA TDD	approved	F	3.3.0	Physical layer; Measurements (TDD)	R1
RP-000275	25.225	010		3.2.0	R99	Removal of Range/mapping	approved	F	3.3.0	Physical layer; Measurements (TDD)	R1
RP-000275	25.225	011		3.2.0	R99	Removal of transport channel BLER	approved	F	3.3.0	Physical layer; Measurements (TDD)	R1
RP-000214	25.301	036	2	3.4.0	R99	Ciphering related corrections	approved	F	3.5.0	Radio Interface Protocol Architecture	R2
RP-000214	25.301	037		3.4.0	R99	Clarification of ciphering parameters	approved	F	3.5.0	Radio Interface Protocol Architecture	R2
RP-000214	25.301	038	1	3.4.0	R99	Signalling radio bearers	approved	D	3.5.0	Radio Interface Protocol Architecture	R2
RP-000214	25.301	040		3.4.0	R99	Replacement of duplicated information on ciphering description by references	approved	D	3.5.0	Radio Interface Protocol Architecture	R2
RP-000215	25.302	049	1	3.4.0	R99	Maximum number of simultaneous compressed mode pattern sequences per measurement purpose	approved	C	3.5.0	Services provided by the physical layer	R2
RP-000215	25.302	050	1	3.4.0	R99	Removal of CPICH SIR measurement quantity	approved	C	3.5.0	Services provided by the physical layer	R2
RP-000215	25.302	051		3.4.0	R99	Measurements	approved	F	3.5.0	Services provided by the physical layer	R2
RP-000215	25.302	052	1	3.4.0	R99	End of CPCH transmission	approved	B	3.5.0	Services provided by the physical layer	R2
RP-000215	25.302	053	1	3.4.0	R99	Measurements of RACH and CPCH	approved	F	3.5.0	Services provided by the physical layer	R2
RP-000215	25.302	056		3.4.0	R99	Editorial modification on Transport Block Size	approved	F	3.5.0	Services provided by the physical layer	R2
RP-000215	25.302	057	3	3.4.0	R99	CPCH correction	approved	F	3.5.0	Services provided by the physical layer	R2
RP-000215	25.302	058	1	3.4.0	R99	SFN Transmission Rate and the Need to Maintain CFN in TDD Mode	approved	C	3.5.0	Services provided by the physical layer	R2
RP-000215	25.302	059		3.4.0	R99	Addition of out-of-sync-configuration control primitives	approved	F	3.5.0	Services provided by the physical layer	R2
RP-000215	25.302	060		3.4.0	R99	Addition of propagation delay measurement	approved	C	3.5.0	Services provided by the physical layer	R2
RP-000215	25.302	061	2	3.4.0	R99	Layer 1 LCS measurements	approved	F	3.5.0	Services provided by the physical layer	R2
RP-000215	25.302	062	1	3.4.0	R99	Refinement of the definition of a Transport Block	approved	D	3.5.0	Services provided by the physical layer	R2
RP-000215	25.302	063	1	3.4.0	R99	Corrections of CPCH Emergency stop and start of message Indicator	approved	F	3.5.0	Services provided by the physical layer	R2
RP-000215	25.302	064		3.4.0	R99	BLER	approved	F	3.5.0	Services provided by the physical layer	R2

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RP-000216	25.303	029		3.3.0	R99	Corrections to L2 link management and radio link setup in interlayer message sequence charts	approved	F	3.4.0	UE functions and inter-layer procedures in connected mode	R2
RP-000216	25.303	030		3.3.0	R99	Alignment of FDD downlink shared channel descriptions with 25.331	approved	F	3.4.0	UE functions and inter-layer procedures in connected mode	R2
RP-000216	25.303	031	1	3.3.0	R99	End of CPCH transmission	approved	B	3.4.0	UE functions and inter-layer procedures in connected mode	R2
RP-000216	25.303	033		3.3.0	R99	Out-of-synch corrections	approved	F	3.4.0	UE functions and inter-layer procedures in connected mode	R2
RP-000216	25.303	034		3.3.0	R99	Traffic Volume Monitoring	approved	D	3.4.0	UE functions and inter-layer procedures in connected mode	R2
RP-000217	25.304	025		3.2.0	R99	Triggering of inter-system measurements for cell re-selection when HCS is used	approved	F	3.3.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-000217	25.304	026	5	3.2.0	R99	Cell re-selection	approved	F	3.3.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-000217	25.304	027	4	3.2.0	R99	Access Control	approved	F	3.3.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-000217	25.304	028		3.2.0	R99	Downlink signalling failure	approved	F	3.3.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-000217	25.304	029		3.2.0	R99	Cell-reselection parameter signalling	approved	C	3.3.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-000217	25.304	030		3.2.0	R99	Cell Selection and Reselection	approved	C	3.3.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-000217	25.304	031	1	3.2.0	R99	CN DRX cycle coefficient	approved	F	3.3.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-000218	25.305	013	2	3.1.0	R99	Modifications to LCS text on cell-ID method	approved	C	3.2.0	Stage 2 Functional Specification of Location Services in UTRAN (LCS)	R2
RP-000218	25.305	015		3.1.0	R99	Editorial modifications of OTDOA descriptions for alignment with TDD	approved	D	3.2.0	Stage 2 Functional Specification of Location Services in UTRAN (LCS)	R2
RP-000218	25.305	016		3.1.0	R99	Update on clause 5	approved	C	3.2.0	Stage 2 Functional Specification of Location Services in UTRAN (LCS)	R2
RP-000218	25.305	017	1	3.1.0	R99	Editorial additions	approved	D	3.2.0	Stage 2 Functional Specification of Location Services in UTRAN (LCS)	R2
RP-000218	25.305	018		3.1.0	R99	Clarification of OTDOA signalling operation	approved	D	3.2.0	Stage 2 Functional Specification of Location Services in UTRAN (LCS)	R2
RP-000218	25.305	019	1	3.1.0	R99	Assisted GPS procedures	approved	D	3.2.0	Stage 2 Functional Specification of Location Services in UTRAN (LCS)	R2
RP-000219	25.321	042		3.3.0	R99	CPCH correction	approved	F	3.4.0	Medium Access Control (MAC) Protocol Specification	R2
RP-000219	25.321	043	1	3.3.0	R99	End of CPCH transmission	approved	B	3.4.0	Medium Access Control (MAC) Protocol Specification	R2

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RP-000219	25.321	044	2	3.3.0	R99	Clarification of prioritisation of logical channels in UE	approved	F	3.4.0	Medium Access Control (MAC) Protocol Specification	R2
RP-000219	25.321	045	1	3.3.0	R99	CPCH MAC procedures	approved	F	3.4.0	Medium Access Control (MAC) Protocol Specification	R2
RP-000219	25.321	046		3.3.0	R99	Traffic Volume Measurement for dynamic radio bearer control	approved	D	3.4.0	Medium Access Control (MAC) Protocol Specification	R2
RP-000220	25.322	038		3.2.0	R99	Corrections to RLC	approved	F	3.3.0	Radio Link Control (RLC) Protocol Specification	R2
RP-000220	25.322	039		3.2.0	R99	Correction to the description of the MRW SUFI fields	approved	C	3.3.0	Radio Link Control (RLC) Protocol Specification	R2
RP-000220	25.322	040	1	3.2.0	R99	Editorial corrections to length indicators and local suspend rate	approved	D	3.3.0	Radio Link Control (RLC) Protocol Specification	R2
RP-000220	25.322	041	4	3.2.0	R99	Clarification of the RESET PDU	approved	C	3.3.0	Radio Link Control (RLC) Protocol Specification	R2
RP-000220	25.322	043	1	3.2.0	R99	Clarification of RLC/MAC interaction	approved	F	3.3.0	Radio Link Control (RLC) Protocol Specification	R2
RP-000220	25.322	044	2	3.2.0	R99	General RLC corrections	approved	F	3.3.0	Radio Link Control (RLC) Protocol Specification	R2
RP-000220	25.322	045		3.2.0	R99	Clarification of RLC Transparent Mode operation	approved	F	3.3.0	Radio Link Control (RLC) Protocol Specification	R2
RP-000220	25.322	048		3.2.0	R99	Editorial corrections to abbreviations, SCCH, BCCH	approved	D	3.3.0	Radio Link Control (RLC) Protocol Specification	R2
RP-000220	25.322	052		3.2.0	R99	Updated RLC SDL	approved	D	3.3.0	Radio Link Control (RLC) Protocol Specification	R2
RP-000220	25.322	053		3.2.0	R99	Correction to RLC	approved	F	3.3.0	Radio Link Control (RLC) Protocol Specification	R2
RP-000220	25.322	055		3.2.0	R99	RLC Logical Channel mapping	approved	D	3.3.0	Radio Link Control (RLC) Protocol Specification	R2
RP-000220	25.322	057		3.2.0	R99	Correction of EPC timer mechanism	approved	F	3.3.0	Radio Link Control (RLC) Protocol Specification	R2
RP-000221	25.323	006	4	3.1.0	R99	Changes in PDCP PDU format due to PDCP sequence numbering	approved	F	3.2.0	Packet Data Convergence Protocol (PDCP) protocol	R2
RP-000222	25.331	228	5	3.2.0	R99	Downlink power control in compressed mode	approved	C	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000222	25.331	260	1	3.2.0	R99	Clarification on physical channel allocations in TDD	approved	D	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000222	25.331	261	4	3.2.0	R99	TDD Measurements and Reporting	approved	C	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000222	25.331	262	4	3.2.0	R99	Signalling of IEs related to System Information on FACH	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000222	25.331	265	3	3.2.0	R99	Transport Format Combination Control	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000222	25.331	269	1	3.2.0	R99	Signalling of partial failure in radio bearer related procedures	approved	C	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000222	25.331	275		3.2.0	R99	Clarification on PDCP info	approved	C	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2

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RP-000222	25.331	279		3.2.0	R99	Editorial modification on Transport Ch capability	approved	D	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000222	25.331	280		3.2.0	R99	Editorial modification on CN IE	approved	D	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000222	25.331	281	3	3.2.0	R99	Editorial modification on Physical CH IE	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000222	25.331	282	1	3.2.0	R99	Editorial modification on ASN.1 description	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000222	25.331	283	1	3.2.0	R99	IEs on SIB5/6	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000222	25.331	285	2	3.2.0	R99	Re-establishment timer	approved	C	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000222	25.331	286	1	3.2.0	R99	CN DRX cycle coefficient	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000222	25.331	287	1	3.2.0	R99	Cell Access Restriction	approved	C	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000222	25.331	288	1	3.2.0	R99	Cell selection and re-selection parameters	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000222	25.331	289	2	3.2.0	R99	Modification on Measurement IE	approved	C	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000222	25.331	291	1	3.2.0	R99	RACH Transmission parameters	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000222	25.331	292	1	3.2.0	R99	SCCPCH System Info	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000222	25.331	293	1	3.2.0	R99	Addition of HFN for RRC CONNECTION RE-ESTABLISHMENT COMPLETE	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000223	25.331	294	1	3.2.0	R99	RLC reconfiguration indicator	approved	B	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000223	25.331	296	3	3.2.0	R99	RLC Info	approved	C	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000223	25.331	297	1	3.2.0	R99	Usage of Transport CH ID	approved	C	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000223	25.331	298	2	3.2.0	R99	Transport format combination set	approved	C	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000223	25.331	300	1	3.2.0	R99	Usage of U-RNTI and C-RNTI in DL DCCH message	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000223	25.331	301		3.2.0	R99	Description of Cell Update Procedure	approved	C	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000223	25.331	304	1	3.2.0	R99	System information modification procedure	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000223	25.331	305		3.2.0	R99	Functional descriptions of the RRC messages	approved	D	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000223	25.331	306		3.2.0	R99	Clarification of CTFC calculation	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000223	25.331	307	3	3.2.0	R99	Compressed mode parameters	approved	C	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2

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RP-000223	25.331	309	2	3.2.0	R99	Signalling procedure for periodic local authentication	approved	B	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000223	25.331	310	5	3.2.0	R99	Editorial corrections on security	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000223	25.331	311	2	3.2.0	R99	Security capability	approved	D	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000223	25.331	312	1	3.2.0	R99	Corrections on ASN.1 definitions	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000223	25.331	313	2	3.2.0	R99	DRX cycle lower limit	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000223	25.331	314	1	3.2.0	R99	Removal of CPICH SIR measurement quantity	approved	C	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000223	25.331	315	1	3.2.0	R99	Signalling connection release request	approved	B	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000223	25.331	318	1	3.2.0	R99	Change to IMEI coding from BCD to hexadecimal	approved	C	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000223	25.331	319	1	3.2.0	R99	Removal of RLC sequence numbers from RRC initialisation information	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000223	25.331	320	3	3.2.0	R99	Addition of the length of PDCP sequence numbers into PDCP info	approved	B	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000224	25.331	323	1	3.2.0	R99	BSIC verification of GSM cells	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000224	25.331	324		3.2.0	R99	Reporting cell status	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000224	25.331	325		3.2.0	R99	RRC measurement filtering parameters	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000224	25.331	326		3.2.0	R99	Cell-reselection parameter signalling	approved	C	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000224	25.331	328	3	3.2.0	R99	Multiplicity values	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000224	25.331	329		3.2.0	R99	Quality measurements	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000224	25.331	330	4	3.2.0	R99	CPCH Status Indication mode correction	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000224	25.331	331	4	3.2.0	R99	End of CPCH transmission	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000224	25.331	332		3.2.0	R99	Handover to UTRAN procedure	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000224	25.331	333		3.2.0	R99	Harmonisation of access service classes in FDD and TDD	approved	D	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000224	25.331	334	1	3.2.0	R99	Correction to usage of primary CCPCH info and primary CPICH info	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000224	25.331	335		3.2.0	R99	Corrections and clarifications on system information handling	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000224	25.331	336		3.2.0	R99	Editorial corrections	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2

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RP-000224	25.331	337	1	3.2.0	R99	Editorial corrections on uplink timing advance	approved	D	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000224	25.331	339		3.2.0	R99	Correction of Transport Format Combination tabular format and ASN.1	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000224	25.331	340	1	3.2.0	R99	UE variables	approved	D	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000224	25.331	342	1	3.2.0	R99	General error handling	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000224	25.331	344	1	3.2.0	R99	System Information extensibility in ASN.1 definitions	approved	C	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000224	25.331	345		3.2.0	R99	Usage of pilot bits	approved	D	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000224	25.331	346	3	3.2.0	R99	RRC connection release procedure	approved	C	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000225	25.331	347	1	3.2.0	R99	Alignment of Section 10.3 on methodology defined in 25.921	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000225	25.331	348		3.2.0	R99	Modifications of cell (re)selection parameters	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000225	25.331	350	1	3.2.0	R99	GPS time-of-week represented as seconds and fractions of seconds	approved	C	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000225	25.331	351	2	3.2.0	R99	CPCH corrections	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000225	25.331	352		3.2.0	R99	PLMN type selection	approved	D	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000225	25.331	353	3	3.2.0	R99	Paging and establishment cause values	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000225	25.331	354		3.2.0	R99	Common channel configurations	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000225	25.331	355	2	3.2.0	R99	Clarification of prioritisation of logical channels in UE	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000225	25.331	357	2	3.2.0	R99	UE capability corrections	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000225	25.331	358	2	3.2.0	R99	Clarification of HFN	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000225	25.331	359	3	3.2.0	R99	Clarification of Integrity Protection	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000225	25.331	360	1	3.2.0	R99	RRC message size optimisation regarding TrCH parameters	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000225	25.331	361		3.2.0	R99	Protocol extensions in ASN	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000225	25.331	362	1	3.2.0	R99	Downloading of pre- defined configurations via SIB 16	approved	D	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000225	25.331	363	1	3.2.0	R99	Optimisation of System Information	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000225	25.331	364	1	3.2.0	R99	CPCH gain factor	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2

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RP-000225	25.331	368	2	3.2.0	R99	SFN Transmission Rate in TDD Mode	approved	C	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000225	25.331	371	1	3.2.0	R99	Integrity Control	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000225	25.331	372		3.2.0	R99	Modification to measurement event evaluation	approved	C	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000225	25.331	373		3.2.0	R99	System Information related parameters	approved	D	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000226	25.331	375	1	3.2.0	R99	Changes in RB mapping info	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000226	25.331	377		3.2.0	R99	Editorial corrections to PRACH system information and Cell info	approved	D	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000226	25.331	378		3.2.0	R99	Editorial Corrections to 25.331 Procedures and Tabular Format	approved	D	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000226	25.331	379	1	3.2.0	R99	Corrections to figures and procedures for the failure cases	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000226	25.331	380		3.2.0	R99	Corrections on use of ORDERED_CONFIG	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000226	25.331	382	1	3.2.0	R99	Corrections to Transport Channel and RB Reconfiguration procedures	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000226	25.331	383	1	3.2.0	R99	Corrections to INITIAL DIRECT TRANSFER and UE CAPABILITY INFORMATION CONFIRM procedures	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000226	25.331	384		3.2.0	R99	Corrections to Transparent mode signalling info Tabular format and ASN.1	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000226	25.331	385		3.2.0	R99	Corrections to Soft Handover messages and procedures	approved	C	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000226	25.331	387		3.2.0	R99	Corrections to RRC CONNECTION REJECT procedures	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000226	25.331	388	1	3.2.0	R99	Transport format combination in TDD and Transport channel ID	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000226	25.331	389	1	3.2.0	R99	Signalling for dynamic TTI in TDD	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000226	25.331	390	1	3.2.0	R99	Usage of DCCH for Shared Channel Allocation message	approved	B	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000226	25.331	391	1	3.2.0	R99	Correction to physical channel IEs in TDD	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000226	25.331	392	1	3.2.0	R99	TDD preconfiguration for Handover to UTRAN	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000226	25.331	393		3.2.0	R99	Corrections to measurement control descriptions and messages	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000226	25.331	394	1	3.2.0	R99	Corrections on ASN.1 definitions	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000226	25.331	395		3.2.0	R99	Addition of the Segmentation indication field for transparent mode RLC in the RLC Info	approved	C	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000226	25.331	396	1	3.2.0	R99	Radio Bearer identity for CCCH	approved	C	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2

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RP-000226	25.331	397	1	3.2.0	R99	ASN.1 definitions for RRC information between network nodes	approved	C	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000227	25.331	398	1	3.2.0	R99	NAS Routing	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000227	25.331	399		3.2.0	R99	DPCCH power control preamble	approved	C	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000227	25.331	400	2	3.2.0	R99	Modifications of Assisted GPS Messages	approved	C	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000227	25.331	401		3.2.0	R99	Choice of Initial UE Identity	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000227	25.331	402		3.2.0	R99	ANSI-41 information elements	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000227	25.331	404	1	3.2.0	R99	RLC value ranges	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000227	25.331	408	1	3.2.0	R99	HFN Reset	approved	C	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000227	25.331	409	1	3.2.0	R99	Clarification on ciphering parameters and integrity protection procedure in case of SRNS relocation	approved	B	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000227	25.331	410	1	3.2.0	R99	Clarification of compressed mode activation and configuration failure	approved	C	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000227	25.331	412	1	3.2.0	R99	Modification of the RLC Size IE	approved	C	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000227	25.331	414		3.2.0	R99	CPCH DL Power control	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000227	25.331	415	1	3.2.0	R99	SFN measurements in TDD	approved	F	3.3.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000231	25.401	008	1	3.2.0	R99	Introduction of RLS in 25.401	approved	C	3.3.0	UTRAN Overall Description	R3
RP-000231	25.401	009	1	3.2.0	R99	Change of cell definition	approved	F	3.3.0	UTRAN Overall Description	R3
RP-000231	25.401	010	2	3.2.0	R99	Redefinition of coordinated DCHs	approved	F	3.3.0	UTRAN Overall Description	R3
RP-000232	25.402	006	2	3.1.0	R99	Clarification to section 9	approved	F	3.2.0	Synchronisation in UTRAN Stage 2	R3
RP-000233	25.412	003	1	3.3.0	R99	Clarification of ATM cell format	approved	F	3.4.0	UTRAN Iu interface signalling transport	R3
RP-000233	25.412	004	1	3.3.0	R99	Correction to version number of SCTP and M3UA	approved	F	3.4.0	UTRAN Iu interface signalling transport	R3
RP-000234	25.413	075	1	3.1.0	R99	Correction for Maximum Bitrate and Guarantee Bitrate in ASN.1	approved	F	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000234	25.413	076	1	3.1.0	R99	Clarifications for Location Reporting Control and Location Report procedures	approved	C	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000234	25.413	077	1	3.1.0	R99	Preservation of Tracing initiation data in connection with Relocation	approved	D	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000234	25.413	078	1	3.1.0	R99	Clarification of when RELOCATION REQUIRED can be sent	approved	F	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000234	25.413	079	1	3.1.0	R99	Interaction between Reset Resource and Signalling Transport Layer Supervision	approved	F	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000234	25.413	080	1	3.1.0	R99	Clarification of when to release failed RABs at Relocation	approved	F	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000234	25.413	081	1	3.1.0	R99	Interactions between RAB Assignment messages	approved	C	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000234	25.413	082	1	3.1.0	R99	Cause values are missing for Abstract Syntax Errors	approved	F	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000235	25.413	083	5	3.1.0	R99	Interaction between Class 2 messages and the RELOCATION REQUIRED message.	approved	C	3.2.0	UTRAN Iu interface RANAP signalling	R3

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RP-000234	25.413	085	1	3.1.0	R99	RRC container references	approved	C	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000234	25.413	086	1	3.1.0	R99	RNC-ID needed in connectionless messages sent from RNC	approved	D	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000235	25.413	088	7	3.1.0	R99	Mapping between RAB-ID and DCH is missing in Relocation container	approved	F	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000234	25.413	089	2	3.1.0	R99	Rules for messages that shall contain the CN Domain indicator IE	approved	F	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000234	25.413	090	1	3.1.0	R99	IEs missing within Reset Resource messages	approved	F	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000234	25.413	091	2	3.1.0	R99	Range of the Signalling Connection Identifier IE	approved	F	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000234	25.413	092	2	3.1.0	R99	Inclusion of PDP type in RANAP	approved	F	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000234	25.413	093	2	3.1.0	R99	Support of RRC session releasing	approved	C	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000234	25.413	096	1	3.1.0	R99	Correction of RANAP tabular notation and ASN.1	approved	D	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000235	25.413	098	1	3.1.0	R99	Proposed removing constrained statement in Location Report (RANAP)	approved	F	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000235	25.413	099	3	3.1.0	R99	Modification of CN Broadcast Information	approved	C	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000235	25.413	100	1	3.1.0	R99	Iu user plane version negotiation for TrFO	approved	F	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000234	25.413	101		3.1.0	R99	Handling of presence field	approved	F	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000234	25.413	102		3.1.0	R99	Clarification of notations used in RANAP	approved	D	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000235	25.413	104	1	3.1.0	R99	Description of interaction between Relocation Resource Allocation procedure and Iu Release procedure is incomplete	approved	F	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000234	25.413	105		3.1.0	R99	Clarification that Basic PER is used	approved	F	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000235	25.413	106	1	3.1.0	R99	Clarification of handling of priority and pre-emption	approved	F	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000234	25.413	107		3.1.0	R99	New text for RAB Assignment misplaced	approved	D	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000235	25.413	108		3.1.0	R99	No priority from CN for Security Algorithms	approved	C	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000235	25.413	110		3.1.0	R99	Definition of the Relation between the Tabular Format and ASN.1 in RANAP	approved	F	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000235	25.413	111	2	3.1.0	R99	Clarification to RANAP Message Syntax	approved	F	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000236	25.413	112	1	3.1.0	R99	Change of the RANAP IMEI coding to hexadecimal from present TBCD	approved	C	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000235	25.413	113	1	3.1.0	R99	Clarification for Relocation Resource Allocation procedure	approved	F	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000235	25.413	114	1	3.1.0	R99	d-RNTI allocation during Relocation	approved	C	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000236	25.413	115	2	3.1.0	R99	Combined ASN.1 definition based on agreed CRs	approved	F	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000235	25.413	116		3.1.0	R99	Edirotial Correction to the maxSDU-size in RANAP ASN.1	approved	D	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000235	25.413	117		3.1.0	R99	Clarification on Security Mode Control	approved	F	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000235	25.413	118		3.1.0	R99	Indication of discontinuous transfer for NT data in RAB assignment	approved	C	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000235	25.413	119		3.1.0	R99	Maximum value of IE 'RAB Subflow Combination bit rate'	approved	D	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000235	25.413	120	1	3.1.0	R99	Charging issues during RAB modification	approved	F	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000235	25.413	121	1	3.1.0	R99	Section 9.1 alignment	approved	D	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000235	25.413	122		3.1.0	R99	Adjusting the presentation of EP descriptions to follow specirfication notations	approved	D	3.2.0	UTRAN Iu interface RANAP signalling	R3
RP-000235	25.413	123	1	3.1.0	R99	NAS transparent container in RAB ASSIGNMENT REQUEST and RELOCATION REQUEST messages for codec negotialion purposes	approved	C	3.2.0	UTRAN Iu interface RANAP signalling	R3

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RP-000237	25.414	015	1	3.3.0	R99	Clarification of ATM cell format	approved	F	3.4.0	UTRAN Iu interface data transport & transport signalling	R3
RP-000237	25.414	016		3.3.0	R99	Updating the RFC 1483 to RFC 2684	approved	F	3.4.0	UTRAN Iu interface data transport & transport signalling	R3
RP-000237	25.414	017		3.3.0	R99	Alignment of clause 7with clause 6	approved	F	3.4.0	UTRAN Iu interface data transport & transport signalling	R3
RP-000238	25.415	017		3.2.0	R99	Correction of PDU type	approved	F	3.3.0	UTRAN Iu interface user plane protocols	R3
RP-000238	25.415	018		3.2.0	R99	Addition of table headings	approved	D	3.3.0	UTRAN Iu interface user plane protocols	R3
RP-000238	25.415	019	1	3.2.0	R99	Clarification of FQC description	approved	F	3.3.0	UTRAN Iu interface user plane protocols	R3
RP-000238	25.415	020		3.2.0	R99	Version of the specified mode	approved	F	3.3.0	UTRAN Iu interface user plane protocols	R3
RP-000238	25.415	021		3.2.0	R99	Clarification of Payload CRC Field (Iu FP)	approved	F	3.3.0	UTRAN Iu interface user plane protocols	R3
RP-000238	25.415	022	2	3.2.0	R99	Iu user plane version negotiation for TrFO	approved	C	3.3.0	UTRAN Iu interface user plane protocols	R3
RP-000238	25.415	023		3.2.0	R99	CRC of Frame Payload Part	approved	D	3.3.0	UTRAN Iu interface user plane protocols	R3
RP-000238	25.415	024		3.2.0	R99	RFC set for Initialisation	approved	F	3.3.0	UTRAN Iu interface user plane protocols	R3
RP-000238	25.415	025		3.2.0	R99	Figures with spare extension	approved	D	3.3.0	UTRAN Iu interface user plane protocols	R3
RP-000238	25.415	026	1	3.2.0	R99	Limiting length of Spare Extension over Iu	approved	C	3.3.0	UTRAN Iu interface user plane protocols	R3
RP-000238	25.415	027		3.2.0	R99	emoving redundant specification from Iu UP	approved	F	3.3.0	UTRAN Iu interface user plane protocols	R3
RP-000239	25.419	001	1	3.0.0	R99	Section 9.1 alignment	approved	D	3.1.0	UTRAN Iu interface: Cell broadcast protocols between SMS-CBC and RNC	R3
RP-000239	25.419	002	1	3.0.0	R99	Clarification of which ASN.1	approved	F	3.1.0	UTRAN Iu interface: Cell broadcast protocols between SMS-CBC and RNC	R3
RP-000239	25.419	003		3.0.0	R99	Clarification of notations used in SABP	approved	D	3.1.0	UTRAN Iu interface: Cell broadcast protocols between SMS-CBC and RNC	R3
RP-000239	25.419	004		3.0.0	R99	Insertion of missing chapter header	approved	D	3.1.0	UTRAN Iu interface: Cell broadcast protocols between SMS-CBC and RNC	R3
RP-000239	25.419	005	2	3.0.0	R99	Introduction of the description of the message type IE	approved	F	3.1.0	UTRAN Iu interface: Cell broadcast protocols between SMS-CBC and RNC	R3
RP-000239	25.419	006	2	3.0.0	R99	ntroduction of "Presence" Information element for extension constraits	approved	F	3.1.0	UTRAN Iu interface: Cell broadcast protocols between SMS-CBC and RNC	R3
RP-000239	25.419	007		3.0.0	R99	Connection of the tabular format/ASN.1 for the cause IE	approved	F	3.1.0	UTRAN Iu interface: Cell broadcast protocols between SMS-CBC and RNC	R3
RP-000239	25.419	008		3.0.0	R99	Clarification of criticality modelling and protocol error identity	approved	F	3.1.0	UTRAN Iu interface: Cell broadcast protocols between SMS-CBC and RNC	R3
RP-000239	25.419	009		3.0.0	R99	Introduction of "rapporteur number" into criticality	approved	C	3.1.0	UTRAN Iu interface: Cell broadcast protocols between SMS-CBC and RNC	R3
RP-000239	25.419	010	1	3.0.0	R99	Clariification to SABP message syntax.	approved	F	3.1.0	UTRAN Iu interface: Cell broadcast protocols between SMS-CBC and RNC	R3
RP-000240	25.422	004	1	3.3.0	R99	Clarification of ATM cell format	approved	F	3.4.0	UTRAN Iur interface signalling transport	R3
RP-000240	25.422	005	1	3.3.0	R99	Correction to version number of SCTP and M3UA	approved	F	3.4.0	UTRAN Iur interface signalling transport	R3
RP-000241	25.423	069	1	3.1.0	R99	Measurement filtering parameters	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000241	25.423	070	1	3.1.0	R99	Introduction of RTT measurement	approved	B	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000241	25.423	072	1	3.1.0	R99	Alignment of Transaction ID IE with NBAP	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000243	25.423	074	6	3.1.0	R99	Modifications related to DSCH and [TDD USCH] on Iur	approved	C	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000241	25.423	075	1	3.1.0	R99	Add "NULL" for only one component to choose in ASN.1 CHOICE type-25.423.	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3

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RP-000241	25.423	076	1	3.1.0	R99	Change INTEGER to ENUMERATED for IB SG REP IE and TGL IE--25.423	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000241	25.423	077	2	3.1.0	R99	Clarification on the Combining Control field	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000241	25.423	078	2	3.1.0	R99	Correction to the limited power increase parameter	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000241	25.423	079	1	3.1.0	R99	DCH information response in RL Reconfiguration Ready message	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000241	25.423	082	1	3.1.0	R99	Modification to TFS definition [RNSAP]	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000243	25.423	084	3	3.1.0	R99	Number of DL channelisation code	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000241	25.423	086		3.1.0	R99	Introduction of RLS in 25.423	approved	C	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000242	25.423	087	1	3.1.0	R99	Clarification of Radio Link Reconfiguration with CCTrCH and DPCH deletion in TDD	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000241	25.423	088		3.1.0	R99	RNSAP range bounds in ASN.1 description: FDD parts	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000243	25.423	089	5	3.1.0	R99	Timing adjustment IE for Closed loop Tx Diversity mode	approved	B	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000243	25.423	090	3	3.1.0	R99	DL Initial Power after Handover	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000241	25.423	092		3.1.0	R99	RNSAP range bounds, TDD parts	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000243	25.423	094	1	3.1.0	R99	More stringent power control behaviour specification in RNSAP	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000241	25.423	095		3.1.0	R99	Handling of closed loop timing mode over RNSAP	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000241	25.423	096		3.1.0	R99	Out-of Sync RNSAP	approved	B	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000242	25.423	097		3.1.0	R99	Editorial correction for RNSAP	approved	D	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000242	25.423	098		3.1.0	R99	Addition criticality information to the CHOICE tags(RNSAP)	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000242	25.423	099		3.1.0	R99	Correction of tabular format	approved	D	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000243	25.423	102	1	3.1.0	R99	Introduction of Rx Timing Deviation measurement for TDD for location services	approved	B	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000243	25.423	103	2	3.1.0	R99	Change of definition of the Quality Estimation (QE) for TDD	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000242	25.423	104		3.1.0	R99	Measurement periods and accuracy for TDD	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000242	25.423	105		3.1.0	R99	Add Block STTD Indicator to TDD Neighbouring Cell Information	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000243	25.423	106	2	3.1.0	R99	RNSAP support for switching from CELL-DCH to CELL-FACH	approved	C	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000241	25.423	107		3.1.0	R99	Clarification that basic Per is used	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000243	25.423	108	2	3.1.0	R99	Downlink power balancing	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000242	25.423	109		3.1.0	R99	RL Set info in Dedicated measurement initiation request	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000242	25.423	110		3.1.0	R99	Introduction of first RLS indicator	approved	B	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000241	25.423	111		3.1.0	R99	Handling of presence field	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000241	25.423	112		3.1.0	R99	Basic protocol robustness	approved	C	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000243	25.423	113	2	3.1.0	R99	Transport bearer related parameters	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000241	25.423	114		3.1.0	R99	Addition of DL TPC step sizes	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000241	25.423	115		3.1.0	R99	Correction of reference handling and some other editorial issues	approved	D	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000243	25.423	116	1	3.1.0	R99	Correction of CR implementation on version 3.0.0	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000243	25.423	117	2	3.1.0	R99	Alignment of Common TrCH init with RRC	approved	C	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000241	25.423	118		3.1.0	R99	Selection of secondary S-CCPCH in RNSAP	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000242	25.423	119		3.1.0	R99	Clarification of notations used in RNSAP	approved	D	3.2.0	UTRAN Iur interface RNSAP signalling	R3

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RP-000243	25.423	120	1	3.1.0	R99	Definition of UE context	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000242	25.423	121		3.1.0	R99	Crossing signalling between the Physical Channel Reconfiguration procedure and other procedures.	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000242	25.423	122		3.1.0	R99	Mismatch between measurement type and object	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000242	25.423	123		3.1.0	R99	Remocal of the DedicatedMeasurement Type	approved	D	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000242	25.423	124		3.1.0	R99	Correction of STTD Indicator IE	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000243	25.423	125	1	3.1.0	R99	Correction of DPCH Constant value IE	approved	C	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000244	25.423	126	2	3.1.0	R99	Update on compressed mode handling	approved	C	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000243	25.423	127	1	3.1.0	R99	Reference for the limited power increase algorithm	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000243	25.423	128	2	3.1.0	R99	Handling of measurements non available	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000242	25.423	129		3.1.0	R99	Tx diversity indicator in neighboring cell information	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000242	25.423	130		3.1.0	R99	Editorial corrections for RNSAP (IEs)	approved	D	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000242	25.423	131		3.1.0	R99	Definition of the Relation between the Tabular Format and ASN.1 in RNSAP	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000242	25.423	132	1	3.1.0	R99	Clarification to RNSAP Message Syntax	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000243	25.423	133	2	3.1.0	R99	LCS support on Iur	approved	B	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000242	25.423	135		3.1.0	R99	Updated CR on cause values on msg and RL level in RNSAP (update TDOC R3-001121/CR073r1)	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000242	25.423	137		3.1.0	R99	Alignment of Diversity Indication IE between tabular format and ASN.1	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000243	25.423	138		3.1.0	R99	Section 9.1 alignment	approved	D	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000242	25.423	139		3.1.0	R99	Rapporteur update to RNSAP symbol update	approved	D	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000243	25.423	140	1	3.1.0	R99	Transforming tabular format Choices to ASN.1 for NBAP	approved	D	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000244	25.423	141		3.1.0	R99	RNSAP ASN.1 merge file	approved	F	3.2.0	UTRAN Iur interface RNSAP signalling	R3
RP-000245	25.424	004	1	3.2.0	R99	Clarification of ATM cell format	approved	F	3.3.0	UTRAN Iur interface data transport & transport signalling for CCH data streams	R3
RP-000246	25.425	014		3.1.0	R99	Addition of protocol version	approved	F	3.2.0	UTRAN Iur interface user plane protocols for CCH data streams	R3
RP-000246	25.425	015		3.1.0	R99	Scheduling of SDU delivery from DRNC	approved	F	3.2.0	UTRAN Iur interface user plane protocols for CCH data streams	R3
RP-000246	25.425	016	3	3.1.0	R99	Selection of S-CCPCH in the FACH data transfer procedure	approved	F	3.2.0	UTRAN Iur interface user plane protocols for CCH data streams	R3
RP-000247	25.426	002	2	3.2.0	R99	SCTP corrections for ALCAP	approved	F	3.3.0	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	R3
RP-000248	25.427	017	1	3.2.0	R99	Change quality estimate to 8 bits	approved	F	3.3.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	R3
RP-000248	25.427	019	4	3.2.0	R99	Change of definition of the quality estimate (QE)	approved	B	3.3.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	R3
RP-000248	25.427	020		3.2.0	R99	Clarification of Payload CRC Field (DCH FP)	approved	F	3.3.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	R3
RP-000248	25.427	023	1	3.2.0	R99	Change of definition of the Quality Estimation (QE) for TDD	approved	F	3.3.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	R3
RP-000248	25.427	024		3.2.0	R99	Addition of protocol version	approved	F	3.3.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	R3

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RP-000248	25.427	025	1	3.2.0	R99	Reference for the definition of invalid CFN.	approved	F	3.3.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	R3
RP-000249	25.430	009		3.1.0	R99	Update TS25.430 Cell model so that number of PICH in a Cell equals 0-i (same bound as set for number of Secondary CCPCH in a Cell).	approved	F	3.2.0	UTRAN Iub Interface: General Aspects and Principles	R3
RP-000249	25.430	010		3.1.0	R99	Correction of Common resources in Node B	approved	F	3.2.0	UTRAN Iub Interface: General Aspects and Principles	R3
RP-000253	25.433	068	10	3.1.0	R99	NBAP Signalling support for CPCH	approved	B	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000250	25.433	082	1	3.1.0	R99	Introduction of state information in procedure description	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000250	25.433	083	1	3.1.0	R99	Measurement filtering parameters	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000250	25.433	084	1	3.1.0	R99	Introduction of RTT measurement	approved	B	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000250	25.433	087	2	3.1.0	R99	Clarification of system info broadcast procedure	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000250	25.433	088	2	3.1.0	R99	Addition of FP PC transmission timing IE in Cell Setup	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000250	25.433	089	3	3.1.0	R99	Sync Parameter configuration via NBAP	approved	B	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000250	25.433	090	1	3.1.0	R99	Add "NULL" for only one component to choose in ASN.1 CHOICE type-25.433.	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000250	25.433	091	1	3.1.0	R99	Change INTEGER to ENUMERATED for Paging Indicator Length, IB SG REP IE and TGL IE-25.433	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000250	25.433	092	2	3.1.0	R99	Correction on the definition of RSSI parameter	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000250	25.433	093	3	3.1.0	R99	Clarification on the Combining Control field: Update to R3-001209	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000250	25.433	094	2	3.1.0	R99	Correction to the limited power increase parameter	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000252	25.433	096	5	3.1.0	R99	Addition of limited power increase parameters in Cell Setup and Reconfiguration	approved	C	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000250	25.433	097	1	3.1.0	R99	DCH and DSCH information response in RL Reconfiguration Ready message	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000250	25.433	100	1	3.1.0	R99	Modification to TFS definition [NBAP]	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000250	25.433	102	1	3.1.0	R99	Introduction of RLS in 25.433	approved	C	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000251	25.433	103	1	3.1.0	R99	Clarification of Radio Link Reconfiguration with CCTrCH and DPCH deletion in TDD	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000250	25.433	104		3.1.0	R99	NBAP range bounds in ASN.1 description: FDD parts	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000252	25.433	107	3	3.1.0	R99	UL Power Clarification for Node B generated SIB in TDD	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000250	25.433	109		3.1.0	R99	NBAP range bounds, TDD parts	approved	B	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000252	25.433	110	2	3.1.0	R99	More stringent power control behaviour specification in NBAP	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000252	25.433	112	1	3.1.0	R99	Editorial correction for NBAP ASN.1	approved	D	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000251	25.433	113		3.1.0	R99	(ASN.1) Error Indication and Private message for common procedure	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000250	25.433	118	1	3.1.0	R99	Introduction of Rx Timing Deviation measurement for TDD for locations services	approved	B	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000252	25.433	119	2	3.1.0	R99	Change of definition of the Quality Estimation (QE) for TDD	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000251	25.433	120		3.1.0	R99	Measurement periods and accuracy for TDD	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000252	25.433	121	1	3.1.0	R99	Range bounds related to TFCS, TFS and PDSCH code mapping	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000250	25.433	122		3.1.0	R99	Clarification that basid Per is used	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3

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RP-000252	25.433	123	3	3.1.0	R99	Downlink power balancing	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000252	25.433	124	1	3.1.0	R99	Alignment of Diversity Indication IE between tabular format and ASN.1	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000251	25.433	125		3.1.0	R99	AICH Transmissing Timing IE corrections	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000251	25.433	126		3.1.0	R99	Message type IE corrections	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000251	25.433	127		3.1.0	R99	RACH Slot format IE mismatch	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000251	25.433	128	1	3.1.0	R99	Introduction of first RLS indicator	approved	B	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000250	25.433	130		3.1.0	R99	Handling of presence field	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000250	25.433	131		3.1.0	R99	Basic protocol robustness	approved	C	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000250	25.433	132		3.1.0	R99	Granularity of Max DL power capability/transmission power	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000252	25.433	133	2	3.1.0	R99	Transport bearer related parameters	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000252	25.433	134	1	3.1.0	R99	Clarification on "ALLNBCC"	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000251	25.433	135		3.1.0	R99	Addition of DL TPC step sizes	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000252	25.433	136	1	3.1.0	R99	PRACH scambling code word	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000252	25.433	137	1	3.1.0	R99	Ambiguous CTrCh Setup Resp	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000252	25.433	138	1	3.1.0	R99	Simplified fault handling for CTrCh Reconfiguration	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000251	25.433	139		3.1.0	R99	Clarification of notations used in NBAP	approved	D	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000251	25.433	140		3.1.0	R99	Definition Node B and CRNC communication contexts	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000251	25.433	141	1	3.1.0	R99	Mismatch between measurement type and object	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000251	25.433	142		3.1.0	R99	Clarification of Common measurement object IE	approved	D	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000252	25.433	145	2	3.1.0	R99	Introduction of SFN IE	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000253	25.433	146	1	3.1.0	R99	Update on compressed mode handling	approved	C	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000252	25.433	147	2	3.1.0	R99	Alignment of System Information	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000252	25.433	148	2	3.1.0	R99	Reference for the limited power increase algorithm	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000252	25.433	149	2	3.1.0	R99	Handling of measurements non available	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000251	25.433	150	1	3.1.0	R99	Correction of CR implementation on version	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000251	25.433	151		3.1.0	R99	Editorial corrections for NBAP (IEs)	approved	D	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000251	25.433	152		3.1.0	R99	Definition of the Relation between the Tabular Format and ASN.1 in NBAP	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000252	25.433	153	2	3.1.0	R99	Clarification to NBAP Message Syntax	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000251	25.433	154		3.1.0	R99	Correction of reference handling and some other editorial issues	approved	D	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000252	25.433	156	2	3.1.0	R99	Power Offset for S-CCPCH	approved	B	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000251	25.433	158		3.1.0	R99	Updated CR on cause values on msg and RL level in NBAP (update TDOC R3-001120/CR086r1)	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000251	25.433	159		3.1.0	R99	DL ISCP values for Node B	approved	B	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000251	25.433	160		3.1.0	R99	Section 9.1 alignment	approved	D	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000252	25.433	162		3.1.0	R99	Corrections on inconsistency sync channel definition for TDDs	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000252	25.433	163	1	3.1.0	R99	Transforming tabular format Choices to ASN.1 for RNSAP	approved	D	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000253	25.433	164		3.1.0	R99	NBAP ASN.1 merge file	approved	F	3.2.0	UTRAN Iub interface NBAP signalling	R3
RP-000254	25.435	015	3	3.2.0	R99	Clarification of the correspondence of the Cell SFN to the CFN indicated in the PCH frame.	approved	F	3.3.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-000254	25.435	016	1	3.2.0	R99	Update of Paging Indication bitmap description	approved	F	3.3.0	UTRAN Iub interface user plane protocols for CCH data streams	R3

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RP-000254	25.435	018	1	3.2.0	R99	Change of definition of the Quality Estimation (QE) for TDD	approved	F	3.3.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-000254	25.435	019	1	3.2.0	R99	Zero bit transport block Handling for USCH	approved	F	3.3.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-000254	25.435	020	1	3.2.0	R99	Modification of number of PI for TDD	approved	F	3.3.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-000254	25.435	021		3.2.0	R99	Addition of protocol version	approved	F	3.3.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-000228	25.922	003	1	3.1.0	R99	Stage 2 description for Handover to UTRAN	approved	F	3.2.0	Radio Resource Management Strategies	R2
RP-000229	25.926	003	4	3.0.0	R99	Updated Ad Hoc changes	approved	F	3.1.0	UE Radio Access capabilities definition	R2
RP-000229	25.926	008		3.0.0	R99	CPCH note to the the parameter definitions	approved	F	3.1.0	UE Radio Access capabilities definition	R2
RP-000276	25.944	001	2	3.0.0	R99	Corrections to align with "Typical radio parameter sets" from ISG	approved	F	3.1.0	Channel coding and multiplexing examples	R1
SP-000262	26.093	002		3.1.0	R99	Re-scheduling of stolen SID_UPDATE Frames for AMR	approved	A	3.2.0	AMR speech Codec; Source Controlled Rate operation	S4
SP-000263	26.111	004		3.1.0	R99	Changes to editorial notes	approved	F	3.2.0	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	S4
SP-000264	26.131	001	2	3.0.0	R99	Addition of a chapter pointing to ITU-T Recommendations for extended parameters	approved	B	3.1.0	Narrow Band (3.1kHz) Speech & Video Telephony Terminal Acoustic Characteristics	S4
SP-000264	26.131	002		3.0.0	R99	Listener side tone (LSTR) and talker side tone (STMR) requirements	approved	F	3.1.0	Narrow Band (3.1kHz) Speech & Video Telephony Terminal Acoustic Characteristics	S4
SP-000264	26.131	003	1	3.0.0	R99	Change of Handset and headset UE receiving sensitivity/frequency characteristic mask	approved	F	3.1.0	Narrow Band (3.1kHz) Speech & Video Telephony Terminal Acoustic Characteristics	S4
SP-000264	26.131	004	1	3.0.0	R99	Acoustic requirements for Handheld-type hands-free user equipment	approved	F	3.1.0	Narrow Band (3.1kHz) Speech & Video Telephony Terminal Acoustic Characteristics	S4
NP-000223	27.001	015		3.4.0	R99	Missing Asymmetry preference indication in Table B. 5.a	approved	F	3.5.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-000223	27.001	016		3.4.0	R99	Residual bit error ratio in Transparent Data	approved	F	3.5.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-000223	27.001	017		3.4.0	R99	Adding the value of GBR of NT services	approved	F	3.5.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-000227	27.001	018		3.4.0	R99	Application of multi media in GSM	approved	F	3.5.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-000228	27.001	019		3.4.0	R99	Removal of packet access service	approved	F	3.5.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-000223	27.001	020		3.4.0	R99	WAIUR in case of HO between UMTS and GSM	approved	F	3.5.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-000229	27.001	021		3.4.0	R99	Adaptations for UMTS	approved	C	3.5.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-000223	27.001	022		3.4.0	R99	Indication of discontinuous transfer for NT data	approved	C	3.5.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-000225	27.001	023		3.4.0	R99	ndication of WAIUR 14.4kbit/s in case of UMTS FAX	withdrawn	F		General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3

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NP-000229	27.002	004		3.3.0	R99	Adaptations for UMTS	approved	C	3.4.0	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	N3
NP-000229	27.003	005		3.3.0	R99	Adaptations for UMTS	approved	C	3.4.0	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	N3
TP-000073	27.007	033		3.4.0	R99	+CSDF and +CCLK (4 digits for year field)	approved	B	3.5.0	AT command set for 3G User Equipment (UE)	T2
TP-000073	27.007	034		3.4.0	R99	APN presentation	approved	F	3.5.0	AT command set for 3G User Equipment (UE)	T2
TP-000073	27.007	035		3.4.0	R99	+CAJOIN also serves to join an ongoing group or a broadcast call	approved	F	3.5.0	AT command set for 3G User Equipment (UE)	T2
TP-000073	27.007	036		3.4.0	R99	+CAULEV, the uplink status presentation in a Voice Group Call	approved	F	3.5.0	AT command set for 3G User Equipment (UE)	T2
TP-000073	27.007	037		3.4.0	R99	CME ERROR extensions for ASCI Commands	approved	F	3.5.0	AT command set for 3G User Equipment (UE)	T2
TP-000073	27.007	038		3.4.0	R99	Correction of the description of the +CRC	approved	F	3.5.0	AT command set for 3G User Equipment (UE)	T2
TP-000073	27.007	039		3.4.0	R99	Definition of the abbreviation of MT	approved	F	3.5.0	AT command set for 3G User Equipment (UE)	T2
TP-000073	27.007	040		3.4.0	R99	Packet Domain QoS AT-commands	approved	F	3.5.0	AT command set for 3G User Equipment (UE)	T2
TP-000073	27.103	001		3.0.0	R99	Introduction of PUSH and TARGET	approved	F	3.1.0	Wide Area Network Synchronisation	T2
NP-000289	29.002	115	1	3.4.0	R99	Activation of TDPs in the call related CSIs on DP basis	approved	F	3.5.0	Mobile Application Part (MAP)	N4
NP-000290	29.002	117	1	3.4.0	R99	Using DSD to delete CCBS-B from the subscriber	approved	A	3.5.0	Mobile Application Part (MAP)	N4
NP-000291	29.002	118	1	3.4.0	R99	Indication in PRN of support of Long FTNs	approved	F	3.5.0	Mobile Application Part (MAP)	N4
NP-000299	29.002	120	1	3.4.0	R99	QoS-Subscribed field enhancements	approved	F	3.5.0	Mobile Application Part (MAP)	N4
NP-000294	29.002	121		3.4.0	R99	Correction of introduction of additional service parameters for inter-system handover	approved	F	3.5.0	Mobile Application Part (MAP)	N4
NP-000289	29.002	122	2	3.4.0	R99	Proposed information flow on NSDC	approved	C	3.5.0	Mobile Application Part (MAP)	N4
NP-000289	29.002	124	3	3.4.0	R99	CAMEL Subscription Info	approved	F	3.5.0	Mobile Application Part (MAP)	N4
NP-000296	29.002	125		3.4.0	R99	Clarification to GMLC List definition	approved	A	3.5.0	Mobile Application Part (MAP)	N4
NP-000289	29.002	127	1	3.4.0	R99	Optionality of parameters in d-csi and in sms-csi	approved	F	3.5.0	Mobile Application Part (MAP)	N4
NP-000294	29.002	130		3.4.0	R99	Version 3 Tags for handover messages for R99	approved	F	3.5.0	Mobile Application Part (MAP)	N4
NP-000371	29.002	132		3.4.0	R99	Correction of version handling at dialogue establishment	approved	A	3.5.0	Mobile Application Part (MAP)	N4
NP-000371	29.002	133	1	3.4.0	R99	Various corrections and/or cleanup to 29.002	approved	F	3.5.0	Mobile Application Part (MAP)	N4
NP-000371	29.002	134		3.4.0	R99	Correction of errors in SDL for Macro Receive_Open_Ind	approved	A	3.5.0	Mobile Application Part (MAP)	N4
NP-000370	29.002	135	1	3.4.0	R99	Addition of charging characteristics per PDP context	approved	B	3.5.0	Mobile Application Part (MAP)	N4
NP-000326	29.002	138		3.4.0	R99	Clarification of SAI-ack segmentation procedure	approved	F	3.5.0	Mobile Application Part (MAP)	N4
NP-000296	29.002	139	1	3.4.0	R99	Indication of unsupported position method	approved	A	3.5.0	Mobile Application Part (MAP)	N4
NP-000318	29.002	141		3.4.0	R99	Clarification for ReportSM-DeliveryStatus operation	approved	A	3.5.0	Mobile Application Part (MAP)	N4
NP-000297	29.002	142	1	3.4.0	R99	Addition of a parameter in the subsequent Handover from UMTS to GSM with Multicall	approved	C	3.5.0	Mobile Application Part (MAP)	N4
NP-000297	29.002	143		3.4.0	R99	Editorial correction to MSC-A handover SDLs	approved	D	3.5.0	Mobile Application Part (MAP)	N4
NP-000318	29.002	144	1	3.4.0	R99	Use of NAM paramter with MAP-INSERT-SUBSCRIBER-DATA service between HLR and SGSN	approved	A	3.5.0	Mobile Application Part (MAP)	N4

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NP-000287	29.002	145		3.4.0	R99	Addition of state attributes in Forward group call signalling	approved	F	3.5.0	Mobile Application Part (MAP)	N4
NP-000287	29.002	146		3.4.0	R99	New user error 'target cell outside group call area' in MAP Prepare Handover message	approved	F	3.5.0	Mobile Application Part (MAP)	N4
NP-000327	29.002	148	4	3.5.0	R00	Changes to the MAP protocol machine for secure MAP transport	approved	B	4.0.0	Mobile Application Part (MAP)	N4
NP-000371	29.002	149		3.4.0	R99	Correction to the description of MAP-MO-Forward-Short-Message service	approved	A	3.5.0	Mobile Application Part (MAP)	N4
NP-000223	29.007	015		3.4.0	R99	Handover between 3G MSCs	approved	F	3.5.0	General requirements on Interworking between the PLMN and the ISDN or PSTN	N3
NP-000223	29.007	016		3.4.0	R99	Deletion of lower user rates in UMTS	approved	F	3.5.0	General requirements on Interworking between the PLMN and the ISDN or PSTN	N3
NP-000229	29.007	017		3.4.0	R99	Fax	approved	F	3.5.0	General requirements on Interworking between the PLMN and the ISDN or PSTN	N3
NP-000229	29.007	018		3.4.0	R99	Clarification of the VMSC behaviour in case of interworking	approved	C	3.5.0	General requirements on Interworking between the PLMN and the ISDN or PSTN	N3
NP-000223	29.007	019		3.4.0	R99	Clarification for 56 and 64 kbit/s	approved	F	3.5.0	General requirements on Interworking between the PLMN and the ISDN or PSTN	N3
NP-000229	29.007	020		3.4.0	R99	ISDN TA function in case of bit transparent 56 kbit/s (RDI) and 64kbit/s (UDI)	approved	F	3.5.0	General requirements on Interworking between the PLMN and the ISDN or PSTN	N3
NP-000227	29.007	021		3.4.0	R99	33.6 kbit/s for multimedia	approved	F	3.5.0	General requirements on Interworking between the PLMN and the ISDN or PSTN	N3
NP-000376	29.060	084		3.4.0	R99	16-bit PDCP sequence numbers in GTP header	approved	F	3.5.0	GPRS Tunnelling protocol (GPT) across the Gn and Gp interface	N4
NP-000370	29.060	085		3.4.0	R99	Mandatory inclusion of IMSI in SGSN Context Response if P-TMSI Signature Mismatch	approved	C	3.5.0	GPRS Tunnelling protocol (GPT) across the Gn and Gp interface	N4
NP-000371	29.060	086	1	3.4.0	R99	Encoding of spare IMSI Digits	approved	A	3.5.0	GPRS Tunnelling protocol (GPT) across the Gn and Gp interface	N4
NP-000376	29.060	087	1	3.4.0	R99	Reliable delivery of signalling messages	approved	F	3.5.0	GPRS Tunnelling protocol (GPT) across the Gn and Gp interface	N4
NP-000371	29.060	088		3.4.0	R99	Possible cause codes for Relocation Cancel Response	approved	F	3.5.0	GPRS Tunnelling protocol (GPT) across the Gn and Gp interface	N4
NP-000376	29.060	089		3.4.0	R99	Condition for evaluating the sequence number fields in PDP context	approved	F	3.5.0	GPRS Tunnelling protocol (GPT) across the Gn and Gp interface	N4
NP-000376	29.060	090	1	3.4.0	R99	Target RNC Information	approved	F	3.5.0	GPRS Tunnelling protocol (GPT) across the Gn and Gp interface	N4
NP-000376	29.060	091	1	3.4.0	R99	Change of the length of TI	approved	F	3.5.0	GPRS Tunnelling protocol (GPT) across the Gn and Gp interface	N4
NP-000318	29.060	092	1	3.4.0	R99	Clean up for 29.060	approved	F	3.5.0	GPRS Tunnelling protocol (GPT) across the Gn and Gp interface	N4
NP-000376	29.060	093	2	3.4.0	R99	Clarification on the TEID handling	approved	F	3.5.0	GPRS Tunnelling protocol (GPT) across the Gn and Gp interface	N4
NP-000299	29.060	094	1	3.4.0	R99	QoS Profile IE modification	approved	F	3.5.0	GPRS Tunnelling protocol (GPT) across the Gn and Gp interface	N4
NP-000376	29.060	096		3.4.0	R99	Restart counter in Echo Response	approved	F	3.5.0	GPRS Tunnelling protocol (GPT) across the Gn and Gp interface	N4

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NP-000376	29.060	097	1	3.4.0	R99	Clarification on the use of TEID in the GTP-C header	approved	F	3.5.0	GPRS Tunnelling protocol (GPT) across the Gn and Gp interface	N4
NP-000376	29.060	098		3.4.0	R99	Add APN IE for PDU Notification Reject Request message	approved	F	3.5.0	GPRS Tunnelling protocol (GPT) across the Gn and Gp interface	N4
NP-000376	29.060	099	1	3.4.0	R99	Addition of response code Delete PDP Context Response	approved	F	3.5.0	GPRS Tunnelling protocol (GPT) across the Gn and Gp interface	N4
NP-000376	29.060	100	1	3.4.0	R99	Introduction of a different port number for GTP-C and GTP-U	approved	F	3.5.0	GPRS Tunnelling protocol (GPT) across the Gn and Gp interface	N4
NP-000370	29.060	101	1	3.4.0	R99	Addition of charging characteristics per PDP context	approved	B	3.5.0	GPRS Tunnelling protocol (GPT) across the Gn and Gp interface	N4
NP-000318	29.060	102		3.4.0	R99	Alignment of text with tables	approved	F	3.5.0	GPRS Tunnelling protocol (GPT) across the Gn and Gp interface	N4
NP-000375	29.060	105		3.4.0	R99	Race Conditions Avoidance	postponed	F		GPRS Tunnelling protocol (GPT) across the Gn and Gp interface	N4
NP-000376	29.060	106		3.4.0	R99	Removal of Connection oriented paths	approved	F	3.5.0	GPRS Tunnelling protocol (GPT) across the Gn and Gp interface	N4
NP-000376	29.060	108		3.4.0	R99	The use of the Sequence number in GTP-C	approved	F	3.5.0	GPRS Tunnelling protocol (GPT) across the Gn and Gp interface	N4
NP-000376	29.060	109		3.4.0	R99	the N-PDU number in GTP-C	approved	F	3.5.0	GPRS Tunnelling protocol (GPT) across the Gn and Gp interface	N4
NP-000292	29.060	110	1	3.4.0	R99	Editorial modifications	approved	D	3.5.0	GPRS Tunnelling protocol (GPT) across the Gn and Gp interface	N4
NP-000292	29.060	111	1	3.4.0	R99	Editorial modifications concerning GTP-U and GTP-C	approved	D	3.5.0	GPRS Tunnelling protocol (GPT) across the Gn and Gp interface	N4
NP-000376	29.060	112		3.4.0	R99	Introducing Supported Extension Headers Notification to GTP-U	approved	F	3.5.0	GPRS Tunnelling protocol (GPT) across the Gn and Gp interface	N4
NP-000376	29.060	113		3.4.0	R99	Missing IEs in GTP-C Error Indication	approved	F	3.5.0	GPRS Tunnelling protocol (GPT) across the Gn and Gp interface	N4
NP-000376	29.060	114		3.4.0	R99	Clarification of the Cause of Create PDP Context Response	approved	F	3.5.0	GPRS Tunnelling protocol (GPT) across the Gn and Gp interface	N4
NP-000376	29.060	115		3.4.0	R99	Clarification of the TEID for Signalling	approved	F	3.5.0	GPRS Tunnelling protocol (GPT) across the Gn and Gp interface	N4
NP-000376	29.060	116		3.4.0	R99	Clarification on the TEID for Signalling of the PDU Notification Reject Request	approved	F	3.5.0	GPRS Tunnelling protocol (GPT) across the Gn and Gp interface	N4
NP-000376	29.060	117	2	3.4.0	R99	Clarification of the conditional information elements	approved	F	3.5.0	GPRS Tunnelling protocol (GPT) across the Gn and Gp interface	N4
NP-000318	29.060	119		3.4.0	R99	Clarification on the use of SGSN address at PDU notification procedure	approved	F	3.5.0	GPRS Tunnelling protocol (GPT) across the Gn and Gp interface	N4
NP-000251	29.078	062		3.3.0	R99	Clarification of collectedDigits parameter	approved	F	3.4.0	CAMEL; Stage 3	N2
NP-000251	29.078	064		3.3.0	R99	SII2 CCBS treatment indicator default	approved	F	3.4.0	CAMEL; Stage 3	N2
NP-000251	29.078	065		3.3.0	R99	Remove of SII2 frw CCBS treatment ind	approved	F	3.4.0	CAMEL; Stage 3	N2
NP-000251	29.078	066		3.3.0	R99	Correction to Normative References	approved	F	3.4.0	CAMEL; Stage 3	N2
NP-000251	29.078	067	1	3.3.0	R99	Alignment of PDP address according to [29.060]	approved	F	3.4.0	CAMEL; Stage 3	N2
NP-000251	29.078	068		3.3.0	R99	Detailed specification of the Control Relationship for the ApplyChargingGPRS procedure.	approved	F	3.4.0	CAMEL; Stage 3	N2
NP-000251	29.078	069	4	3.3.0	R99	Various corrections and updates for 29.078	approved	F	3.4.0	CAMEL; Stage 3	N2
NP-000251	29.078	071		3.3.0	R99	Maximum length of cause parameter	approved	F	3.4.0	CAMEL; Stage 3	N2

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NP-000251	29.078	072		3.3.0	R99	Maximum length of CAMEL call result	approved	F	3.4.0	CAMEL; Stage 3	N2
NP-000249	29.078	073		3.3.0	R99	removal of the SII2 Connected Number TreatmentIndicatorDefault Value	approved	F	3.4.0	CAMEL; Stage 3	N2
NP-000249	29.078	076	1	3.3.0	R99	Correction of CAP Object Identifiers	approved	F	3.4.0	CAMEL; Stage 3	N2
NP-000249	29.078	077	1	3.3.0	R99	Correction of GPRS operation Procedures	approved	F	3.4.0	CAMEL; Stage 3	N2
NP-000249	29.078	078		3.3.0	R99	Correction on Quality of Service (GPRS)	approved	F	3.4.0	CAMEL; Stage 3	N2
NP-000249	29.078	079		3.3.0	R99	Clean-up the Monitoring state User Interaction	approved	F	3.4.0	CAMEL; Stage 3	N2
NP-000249	29.078	080	1	3.3.0	R99	GPRS Charging ID Type Definition	approved	F	3.4.0	CAMEL; Stage 3	N2
NP-000249	29.078	081	2	3.3.0	R99	GPRS AC/ACR procedure description	approved	F	3.4.0	CAMEL; Stage 3	N2
NP-000249	29.078	083		3.3.0	R99	Removal of ActivityTestSMS operation	approved	F	3.4.0	CAMEL; Stage 3	N2
NP-000249	29.078	084	1	3.3.0	R99	PDPid in the EntityReleasedGPRS operation	approved	F	3.4.0	CAMEL; Stage 3	N2
NP-000249	29.078	085	1	3.3.0	R99	Specification of segmented GPRS Dialogues	approved	F	3.4.0	CAMEL; Stage 3	N2
NP-000250	29.078	086		3.3.0	R99	Reset Timer GPRS	approved	F	3.4.0	CAMEL; Stage 3	N2
NP-000280	29.078	087	3	3.3.0	R99	Introduction of GPRS reference in TCAP dialogue portion	approved	C	3.4.0	CAMEL; Stage 3	N2
NP-000250	29.078	088		3.3.0	R99	Corrections to MO-SMS	approved	F	3.4.0	CAMEL; Stage 3	N2
NP-000250	29.078	089		3.3.0	R99	Corrections to Common CAP types	approved	F	3.4.0	CAMEL; Stage 3	N2
NP-000250	29.078	090		3.3.0	R99	Corrections to CAP for circuit switched calls	approved	F	3.4.0	CAMEL; Stage 3	N2
NP-000250	29.078	091	1	3.3.0	R99	Corrections to CAP for GPRS	approved	F	3.4.0	CAMEL; Stage 3	N2
NP-000251	29.078	092	2	3.3.0	R99	Module IMPORT references	approved	D	3.4.0	CAMEL; Stage 3	N2
NP-000250	29.078	094	1	3.3.0	R99	General enhancements of GPRS Event Specific Information	approved	F	3.4.0	CAMEL; Stage 3	N2
NP-000242	29.078	096	2	3.3.0	R99	Clarification of encoding of CollectedDigits	approved	A	3.4.0	CAMEL; Stage 3	N2
NP-000250	29.078	097	1	3.3.0	R99	two changes in the class	approved	F	3.4.0	CAMEL; Stage 3	N2
NP-000250	29.078	098		3.3.0	R99	Addition of Location Information to Initial DP GPRS	approved	F	3.4.0	CAMEL; Stage 3	N2
TP-000094	31.101	011		3.1.0	R99	Error detection and character repetition	approved	F	3.2.0	UICC / Terminal Interface; Physical and Logical Characteristics	T3
TP-000094	31.101	012		3.1.0	R99	Use of status codes 6200, 6400 and 6500	approved	F	3.2.0	UICC / Terminal Interface; Physical and Logical Characteristics	T3
TP-000094	31.101	013		3.1.0	R99	Correction of P2 value for the ACTIVATE and DEACTIVATE commands	approved	F	3.2.0	UICC / Terminal Interface; Physical and Logical Characteristics	T3
TP-000094	31.101	014		3.1.0	R99	Clarification of the UICC characteristics byte	approved	F	3.2.0	UICC / Terminal Interface; Physical and Logical Characteristics	T3
TP-000094	31.101	015		3.1.0	R99	Correction of ACTIVATE/DEACTIVATE commands	approved	F	3.2.0	UICC / Terminal Interface; Physical and Logical Characteristics	T3
TP-000094	31.101	016		3.1.0	R99	Clarification of the file descriptor	approved	F	3.2.0	UICC / Terminal Interface; Physical and Logical Characteristics	T3
TP-000094	31.101	017		3.1.0	R99	Selection by path correction	approved	F	3.2.0	UICC / Terminal Interface; Physical and Logical Characteristics	T3
TP-000094	31.101	018	1	3.1.0	R99	Correction of ATR examples	approved	F	3.2.0	UICC / Terminal Interface; Physical and Logical Characteristics	T3
TP-000094	31.101	019		3.1.0	R99	SEARCH RECORD command: alignment with ISO/IEC 7816-9	approved	F	3.2.0	UICC / Terminal Interface; Physical and Logical Characteristics	T3
TP-000094	31.101	020		3.1.0	R99	Correction to T=0 mechanism	approved	F	3.2.0	UICC / Terminal Interface; Physical and Logical Characteristics	T3
TP-000094	31.101	021	2	3.1.0	R99	Alignment with new S1 R99 requirements on application selection	approved	F	3.2.0	UICC / Terminal Interface; Physical and Logical Characteristics	T3

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TP-000094	31.101	022		3.1.0	R99	Correction of the application activation termination precedures	approved	F	3.2.0	UICC / Terminal Interface; Physical and Logical Characteristics	T3
TP-000095	31.102	027	1	3.1.0	R99	Introduction of the PLMN selection preference indicator	postponed	B		Characteristics of the USIM Application	T3
TP-000095	31.102	028		3.1.0	R99	removal of EUIC feature from R99	approved	F	3.2.0	Characteristics of the USIM Application	T3
TP-000095	31.102	029		3.1.0	R99	Alignment with 33.102 Replace COUNT by START	approved	F	3.2.0	Characteristics of the USIM Application	T3
TP-000095	31.102	030		3.1.0	R99	PLMN Selection additions	postponed	F		Characteristics of the USIM Application	T3
TP-000095	31.102	031		3.1.0	R99	Alignment to GSM 11.11 - Introduction of CPBCCH information and Investigation Scan indicator	approved	F	3.2.0	Characteristics of the USIM Application	T3
TP-000095	31.102	032	2	3.1.0	R99	HPLMN Length	approved	B	3.2.0	Characteristics of the USIM Application	T3
TP-000095	31.102	033	1	3.1.0	R99	LAI, RAI and CNL : alignment with GSM 04.08	approved	F	3.2.0	Characteristics of the USIM Application	T3
TP-000095	31.102	034		3.1.0	R99	Deletion of EF(LOCIGSM) and EF(LOCIGPRS)	approved	F	3.2.0	Characteristics of the USIM Application	T3
TP-000095	31.102	035		3.1.0	R99	Files to be read at USIM initialization	approved	F	3.2.0	Characteristics of the USIM Application	T3
TP-000095	31.102	036		3.1.0	R99	Alignment to GSM 11.11 regarding Terminology	postponed	F		Characteristics of the USIM Application	T3
TP-000095	31.102	037		3.1.0	R99	Alignment with 33.102 regarding key set identifier	approved	F	3.2.0	Characteristics of the USIM Application	T3
TP-000095	31.102	038	2	3.1.0	R99	Addition of SFI values to files read at initialisation of the USIM application	approved	F	3.2.0	Characteristics of the USIM Application	T3
TP-000095	31.102	039		3.1.0	R99	Support of voltage classes	approved	F	3.2.0	Characteristics of the USIM Application	T3
TP-000110	31.102	040		3.1.0	R99	Addition of files for MExE	approved	B	3.2.0	Characteristics of the USIM Application	T3
TP-000095	31.102	041		3.1.0	R99	Alignment with 33.102 regarding conversion functions	approved	F	3.2.0	Characteristics of the USIM Application	T3
TP-000095	31.102	042		3.1.0	R99	Addition of procedures for reading and updating the content of the Enabled Services Table.	approved	F	3.2.0	Characteristics of the USIM Application	T3
TP-000095	31.102	043		3.1.0	R99	Correction of the application activation termination procedures	approved	F	3.2.0	Characteristics of the USIM Application	T3
TP-000096	31.111	001		3.0.0	R99	Release 99 alignement of 31.111 with GSM 11.14	approved	F	3.1.0	USIM Application Toolkit (USAT)	T3
TP-000096	31.111	003		3.0.0	R99	Correction of SAT commands for using GPRS in bearer independent protocol feature	approved	F	3.1.0	USIM Application Toolkit (USAT)	T3
TP-000096	31.111	004		3.0.0	R99	Clarification of ME/SIM interface for bearer independent protocol feature	approved	F	3.1.0	USIM Application Toolkit (USAT)	T3
SP-000240	32.005	001		3.0.0	R99	Circuit domain charging enhancements on CAMEL phase 3	approved	B	3.1.0	GSM call and event data for the circuit switched domain	S5
SP-000236	32.015	005		3.1.1	R99	Correction of ASN.1 for QoS 'Delay Class'	approved	F	3.2.0	GSM charging PS domain	S5
SP-000237	32.015	006		3.1.1	R99	Draft update of document for 3G Publication	approved	F	3.2.0	GSM charging PS domain	S5
SP-000238	32.015	007		3.1.1	R99	Principles for accurate volume counting	approved	B	3.2.0	GSM charging PS domain	S5
SP-000239	32.015	008		3.1.1	R99	Packet domain charging enhancements on CAMEL phase 3	approved	F	3.2.0	GSM charging PS domain	S5
SP-000246	32.015	009		3.1.1	R99	GPRS charging enhancement, Addition of charging characteristics per PDP context characteristics per PDP context	approved	B	3.2.0	GSM charging PS domain	S5
SP-000225	32.101	004		3.1.1	R99	Add and Update Correct Normative Reference	approved	F	3.2.0	3G Telecom Management principles and high level requirements	S5
SP-000226	32.101	005		3.1.1	R99	Terminology correction	approved	F	3.2.0	3G Telecom Management principles and high level requirements	S5
SP-000227	32.102	003		3.1.1	R99	Clarification of compliance conditions	approved	F	3.2.0	3G Telecom Management architecture	S5
SP-000228	32.102	004		3.1.1	R99	Update ITU-T TMN related reference material	approved	F	3.2.0	3G Telecom Management architecture	S5
SP-000229	32.102	005		3.1.1	R99	Definition of the Mandatory/Optional/Conditional qualifiers used in the IRPs	approved	D	3.2.0	3G Telecom Management architecture	S5

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SP-000230	32.102	006		3.1.1	R99	Correction of erroneous editing and usage of undefined term	approved	D	3.2.0	3G Telecom Management architecture	S5
SP-000231	32.104	003		3.1.1	R99	Measurement definition template	approved	C	3.2.0	3G Performance Management	S5
SP-000232	32.104	004		3.1.1	R99	Inclusion of XML file format definition	approved	B	3.2.0	3G Performance Management	S5
SP-000233	32.104	005		3.1.1	R99	Example of XML file format for PM result files	approved	B	3.2.0	3G Performance Management	S5
SP-000234	32.104	006		3.1.1	R99	Addition of missing abbreviations	approved	D	3.2.0	3G Performance Management	S5
SP-000241	32.106	001		3.0.1	R99	Split of TS - Part 1: Main part of spec - Concept and Requirements	approved	F	3.1.0	3G Configuration Management	S5
SP-000242	32.106	002		3.0.1	R99	Split of TS - Part 2: Notification IRP Information Service (IS)	approved	F	3.1.0	3G Configuration Management	S5
SP-000243	32.106	003		3.0.1	R99	Split of TS - Part 3: Notification IRP CORBA SS	approved	F	3.1.0	3G Configuration Management	S5
SP-000244	32.106	004		3.0.1	R99	Split of TS - Part 4: Notification IRP CMIP SS	approved	F	3.1.0	3G Configuration Management	S5
SP-000245	32.106	005		3.0.1	R99	Split of TS - Part 8: Name Convention for Managed Objects	approved	F	3.1.0	3G Configuration Management	S5
SP-000247	32.111	001		3.0.1	R99	Split of TS - Part 1: Main part of spec – Requirements	approved	F	3.1.0	3G Fault Management	S5
SP-000248	32.111	002		3.0.1	R99	Split of TS - Part 1: Main part of spec - Merging of Clause X into Clause 4, etc.	approved	F	3.1.0	3G Fault Management	S5
SP-000249	32.111	003		3.0.1	R99	Split of TS - Part 1: Main part of spec – Alignment of FM requirements with IRP, etc.	approved	F	3.1.0	3G Fault Management	S5
SP-000252	32.111	004		3.0.1	R99	Split of TS - Part 2: Alarm IRP Information Service (IS)	approved	F	3.1.0	3G Fault Management	S5
SP-000253	32.111	005		3.0.1	R99	Split of TS - Part 3: Alarm IRP CORBA Solution Set (SS)	approved	F	3.1.0	3G Fault Management	S5
SP-000254	32.111	006		3.0.1	R99	Split of TS - Part 4: Alarm IRP CMIP Solution Set (SS)	approved	F	3.1.0	3G Fault Management	S5
SP-000272	33.102	080		3.4.0	R99	Clarification on ciphering and integrity protection at intersystem handover	approved	F	3.5.0	Security Architecture	S3
SP-000272	33.102	083		3.4.0	R99	Authentication and key agreement (minimal)	approved	F	3.5.0	Security Architecture	S3
SP-000272	33.102	084		3.4.0	R99	Conversion functions for GSM-UMTS interoperation	approved	F	3.5.0	Security Architecture	S3
SP-000272	33.102	088	2	3.4.0	R99	Initialisation of synchronisation for ciphering and integrity protection	approved	F	3.5.0	Security Architecture	S3
SP-000274	33.102	089		3.4.0	R99	Addition of another variant of sequence number generation	approved	C	3.5.0	Security Architecture	S3
SP-000272	33.102	090		3.4.0	R99	Clarification of BEARER and DIRECTION parameters	approved	F	3.5.0	Security Architecture	S3
SP-000274	33.102	091		3.4.0	R99	Inclusion of the radio bearer identity to the integrity mechanism	approved	C	3.5.0	Security Architecture	S3
SP-000273	33.102	092		3.4.0	R99	Removal of enhanced user identity confidentiality	approved	F	3.5.0	Security Architecture	S3
SP-000272	33.102	093		3.4.0	R99	Removal of network domain security	approved	F	3.5.0	Security Architecture	S3
SP-000272	33.102	094		3.4.0	R99	Cipher and integrity key update once every 24 hours	approved	F	3.5.0	Security Architecture	S3
SP-000272	33.102	095		3.4.0	R99	Handling of emergency call	rejected	F		Security Architecture	S3
SP-000349	33.102	095	1	3.4.0	R99	Handling of emergency call (revised during TSG-SA)	postponed	F		Security Architecture	S3
SP-000272	33.102	096		3.4.0	R99	Clarification on the HFN handling	approved	F	3.5.0	Security Architecture	S3
SP-000271	33.102	097	1	3.4.0	R99	Align of note and star in figure 18	approved	D	3.5.0	Security Architecture	S3
SP-000272	33.102	098		3.4.0	R99	Security mode set-up procedure	approved	F	3.5.0	Security Architecture	S3
SP-000272	33.102	100		3.4.0	R99	Replace COUNT by STARTCS and STARTPS	approved	F	3.5.0	Security Architecture	S3
SP-000273	33.102	102		3.4.0	R99	Removal of NW Wide Encryption	approved	F	3.5.0	Security Architecture	S3
SP-000271	33.102	103	2	3.4.0	R99	Clarification on terminology in user domain	approved	D	3.5.0	Security Architecture	S3
SP-000273	33.103	007		3.2.0	R99	Removal of EUIC from 33.103	approved	F	3.3.0	Security Integration Guidelines	S3
SP-000273	33.103	008		3.2.0	R99	Removal of MAP Security from 33.103	approved	F	3.3.0	Security Integration Guidelines	S3
SP-000271	33.103	009		3.2.0	R99	SQN length	approved	F	3.3.0	Security Integration Guidelines	S3

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SP-000271	33.105	011		3.3.0	R99	Clarification of BEARER and DIRECTION parameters	approved	F	3.4.0	Cryptographic Algorithm requirements	S3
TP-000090	34.121	001		3.0.1	R99	Editorial corrections to clauses 2, 3, 4 and 5.1	approved	D	3.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-000090	34.121	002		3.0.1	R99	Modifications to clause 5.4 "Output Power Dynamics in the Uplink"	approved	C	3.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-000090	34.121	003		3.0.1	R99	Out-of-synchronisation handling of the UE	approved	B	3.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-000090	34.121	004		3.0.1	R99	Modifications to clauses 5.8, 5.9, 5.10 and 5.11	approved	D	3.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-000090	34.121	005		3.0.1	R99	Modifications to Chapter 6 "Receiver Characteristics"	approved	F	3.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-000090	34.121	006		3.0.1	R99	Modifications to Annex D, Annex E, Annex G and Annex H	approved	F	3.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-000090	34.121	007		3.0.1	R99	Interpretation of measurement results	rejected	B		Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-000090	34.121	008		3.0.1	R99	Modifications to clauses 5.5, 5.6 and 5.7	approved	F	3.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-000090	34.121	009		3.0.1	R99	Modifications to Chapter 7 "Performance requirements"	approved	F	3.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-000090	34.121	010		3.0.1	R99	Modifications to test power control in downlink	approved	F	3.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-000090	34.121	011		3.0.1	R99	Modifications to clause 5.13 "Transmit Modulation"	approved	F	3.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-000090	34.121	012		3.0.1	R99	Modifications to test for inner loop power control in the uplink	approved	F	3.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-000090	34.121	013		3.0.1	R99	Revision of Annex B: Global in-channel Tx test	approved	F	3.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-000090	34.121	014		3.0.1	R99	Blind transport format detection	approved	B	3.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-000090	34.121	015		3.0.1	R99	Removal of Annex I "Open Items"	approved	D	3.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-000090	34.121	016		3.0.1	R99	Modifications to Chapter 8 "Requirements for support of RRM"	approved	C	3.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-000090	34.121	017		3.0.1	R99	Modifications to Annex C "Measurement channels"	approved	F	3.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-000090	34.121	018		3.0.1	R99	Idle mode test cases (test of performance requirements)	approved	F	3.1.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1

Annex G: Status of CRs to GSM Specifications after SA #8 meeting

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
SP-000194	02.16	A009		4.6.0	P2	Deletion of unnecessary information about phases and releases in clause 2	approved	F	4.7.0	International Mobile Station Equipment Identities (IMEI)	S1
SP-000194	02.16	A010		5.1.0	R96	Deletion of unnecessary information about phases and releases in clause 2	approved	F	5.2.0	International Mobile Station Equipment Identities (IMEI)	S1
SP-000194	02.16	A011		6.1.0	R97	Deletion of unnecessary information about phases and releases in clause 2	approved	F	6.2.0	International Mobile Station Equipment Identities (IMEI)	S1
SP-000194	02.16	A012		7.1.0	R98	Deletion of unnecessary information about phases and releases in clause 2	approved	F	7.2.0	International Mobile Station Equipment Identities (IMEI)	S1
SP-000206	02.43	A003		7.2.0	R98	Clarification of requirements and editorial changes	approved	F	7.3.0	Support of Localised Service Area (SoLSA); Service description; Stage 1	S1
SP-000197	02.60	A026		7.4.0	R98	Deletion of IHOSS (Point to Point Octet Stream Service)	approved	F	7.5.0	General Packet Radio Service Stage 1 Description	S1
NP-000295	03.03	A042	1	4.10.0	Ph2	Editorial Modification of section 6.2.2	approved	D	4.11.0	Numbering, Addressing and Identification	N4
NP-000295	03.03	A043	1	5.3.0	R96	Editorial Modification of section 6.2.2	approved	D	5.4.0	Numbering, Addressing and Identification	N4
NP-000295	03.03	A044	1	6.5.0	R97	Editorial Modification of section 6.2.2	approved	D	6.6.0	Numbering, Addressing and Identification	N4
NP-000295	03.03	A045	1	7.4.0	R98	Editorial Modification of section 6.2.2	approved	D	7.5.0	Numbering, Addressing and Identification	N4
NP-000369	03.03	A046		5.3.0	R96	Hexa IMEI	postponed	A		Numbering, Addressing and Identification	N4
NP-000369	03.03	A047		4.10.0	2	Hexa IMEI	postponed	C		Numbering, Addressing and Identification	N4
NP-000369	03.03	A048		6.5.0	R97	Hexa IMEI	postponed	A		Numbering, Addressing and Identification	N4
NP-000369	03.03	A049		7.4.0	R98	Hexa IMEI	postponed	A		Numbering, Addressing and Identification	N4
NP-000371	03.03	A050		6.5.0	R97	Use of 3 Digit MNCs in GTP for Release 97	approved	F	6.6.0	Numbering, Addressing and Identification	N4
TP-000098	03.19	A002	1	7.1.0	R98	Clarifications of EVENT_FORMATTED_SMS_PP_UPD, applet example	approved	F	7.2.0	GSM API for SIM toolkit stage 2	T3
SP-000283	03.32	A006		7.0.0	R98	Addition of new geographic shape descriptions for LCS	approved	F	7.1.0	Universal Geographical Area Description (GAD)	S2
TP-000098	03.48	A011		8.2.0	R98	Definition of the TAR for the Card Manager	approved	F	8.3.0	Security Mechanisms for SIM Toolkit Application - Stage 2	T3
NP-000241	03.78	A155	2	6.6.0	R97	gsmSSF DP handling in CF	approved	F	6.7.0	CAMEL Phase 2 (stage 2)	N2
NP-000241	03.78	A156	2	7.3.0	R98	gsmSSF DP handling in CF	approved	A	7.4.0	CAMEL Phase 2 (stage 2)	N2
NP-000240	03.78	A157	2	6.6.0	R97	Usage of Announcement Suppression Indicator	approved	F	6.7.0	CAMEL Phase 2 (stage 2)	N2
NP-000240	03.78	A158	2	7.3.0	R98	Usage of Announcement Suppression Indicator	approved	A	7.4.0	CAMEL Phase 2 (stage 2)	N2
NP-000268	04.08	A1015		7.7.0	R98	Alignment on ISDN BC Coding	approved	A	7.8.0	Mobile Radio Interface - Layer 3 Specification	N1
NP-000268	04.08	A1017		6.10.0	R97	Alignment on ISDN BC Coding	approved	A	6.11.0	Mobile Radio Interface - Layer 3 Specification	N1
NP-000268	04.08	A1019		5.16.0	R96	Alignment on ISDN BC Coding	approved	A	5.17.0	Mobile Radio Interface - Layer 3 Specification	N1
NP-000269	04.08	A1027	1	7.7.0	R98	Clarification on local and foreign TLLI management	approved	A	7.8.0	Mobile Radio Interface - Layer 3 Specification	N1
NP-000269	04.08	A1029	1	6.10.0	R97	Clarification on local and foreign TLLI management	approved	F	6.11.0	Mobile Radio Interface - Layer 3 Specification	N1
NP-000303	04.08	A1031	1	7.7.0	R98	Support of GEA/2 Encryption Algorithm	rejected	F		Mobile Radio Interface - Layer 3 Specification	N1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
NP-000296	04.30	A002		7.1.0	R98	Correction of MO-LR procedure for LCS	approved	F	7.2.0	Location Services LCS Stage 3 SS (MO-LR)	N4
NP-000269	04.64	A142	2	8.3.0	R99	Change of the GMM Ready Timer behaviour	approved	F	8.4.0	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	N1
NP-000288	04.80	A017		7.2.0	R98	Correction of definition of Deflected-to number	approved	F	7.3.0	Mobile Radio Interface Layer 3 - Supplementary Services Specification Formats and Coding	N4
SP-000262	06.93	A008		7.3.0	R98	Re-scheduling of stolen SID_UPDATE Frames for AMR	approved	C	7.4.0	Discontinuous Transmission (DTX) for Adaptive Multi-Rate speech traffic channels	S4
NP-000290	09.02	A286	1	6.7.0	R97	Using DSD to delete CCBS-B from the subscriber	approved	F	6.8.0	Mobile Application Part (MAP) Specification	N4
NP-000290	09.02	A287	1	7.4.0	R98	Using DSD to delete CCBS-B from the subscriber	approved	A	7.5.0	Mobile Application Part (MAP) Specification	N4
NP-000371	09.02	A288		4.18.0	Ph2	Correction of version handling at dialogue establishment	approved	F	4.19.0	Mobile Application Part (MAP) Specification	N4
NP-000371	09.02	A289		5.14.1	R96	Correction of version handling at dialogue establishment	approved	A	5.15.0	Mobile Application Part (MAP) Specification	N4
NP-000371	09.02	A290		6.7.0	R97	Correction of version handling at dialogue establishment	approved	A	6.8.0	Mobile Application Part (MAP) Specification	N4
NP-000371	09.02	A291		7.4.0	R98	Correction of version handling at dialogue establishment	approved	A	7.5.0	Mobile Application Part (MAP) Specification	N4
NP-000371	09.02	A292		6.7.0	R97	Correction of errors in SDL for Macro Receive_Open_Ind	approved	F	6.8.0	Mobile Application Part (MAP) Specification	N4
NP-000371	09.02	A293		7.4.0	R98	Correction of errors in SDL for Macro Receive_Open_Ind	approved	A	7.5.0	Mobile Application Part (MAP) Specification	N4
NP-000296	09.02	A295	1	7.4.0	R98	Indication of unsupported position method	approved	F	7.5.0	Mobile Application Part (MAP) Specification	N4
NP-000318	09.02	A296		6.7.0	R97	Clarification for ReportSM-DeliveryStatus operation	approved	F	6.8.0	Mobile Application Part (MAP) Specification	N4
NP-000318	09.02	A297		7.4.0	R98	Clarification for ReportSM-DeliveryStatus operation	approved	A	7.5.0	Mobile Application Part (MAP) Specification	N4
NP-000318	09.02	A298	1	6.7.0	R97	Use of NAM parameter with MAP-INSERT-SUBSCRIBER-DATA service between HLR and SGSN	approved	F	6.8.0	Mobile Application Part (MAP) Specification	N4
NP-000318	09.02	A299	1	7.4.0	R98	Use of NAM parameter with MAP-INSERT-SUBSCRIBER-DATA service between HLR and SGSN	approved	A	7.5.0	Mobile Application Part (MAP) Specification	N4
NP-000371	09.02	A300		4.18.0	Ph2	Correction to the description of MAP-Forward-Short-Message service	approved	F	4.19.0	Mobile Application Part (MAP) Specification	N4
NP-000371	09.02	A301		5.14.1	R96	Correction to the description of MAP-MO-Forward-Short-Message service	approved	A	5.15.0	Mobile Application Part (MAP) Specification	N4
NP-000371	09.02	A302		6.7.0	R97	Correction to the description of MAP-MO-Forward-Short-Message service	approved	A	6.8.0	Mobile Application Part (MAP) Specification	N4
NP-000371	09.02	A303		7.4.0	R98	Correction to the description of MAP-MO-Forward-Short-Message service	approved	A	7.5.0	Mobile Application Part (MAP) Specification	N4

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
NP-000371	09.60	A084	1	7.4.0	R98	Encoding of spare IMSI Digits	approved	F	7.5.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol GPT) across the Gn and Gp Interface	N4
NP-000371	09.60	A085		6.7.0	R97	Use of 3 Digit MNCs in GTP for R'97	approved	F	6.8.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol GPT) across the Gn and Gp Interface	N4
NP-000242	09.78	A075	2	6.4.0	R97	Clarification of encoding of CollectedDigits	approved	F	6.5.0	CAMEL Application Part phase 2 (stage 3)	N2
NP-000242	09.78	A076	2	7.0.0	R98	Clarification of encoding of CollectedDigits	approved	A	7.1.0	CAMEL Application Part phase 2 (stage 3)	N2
SP-000235	12.15	A020		7.5.0	R98	Correction of ASN.1 for QoS 'Delay Class'	approved	F	7.6.0	General Packet Radio Service (GPRS); GPRS Charging	S5