3GPP TSG-T (Terminals) Meeting #11
Palm Springs, USA, 14 - 16 March, 2001

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Technical Specification Group Services and System Aspects

Draft report

Meeting #10, Bangkok, Thailand, 11-14 December 2000

Source: **Secretary TSG SA, Maurice Pope**

Title: **Draft Report of TSG SA meeting #10, version 0.0.4**

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1 Opening of the meeting

Ms. Polly Holcombe welcomed delegates to the 2nd anniversary meeting of 3GPP TSGs, on behalf of the meeting hosts, Unisys (Malaysia) and provided an opening address concerning the development, current position and future of the Asian telecommunications market. TSG SA were wished a successful meeting.

2 Approval of the Agenda

The Chairman, Mr. Niels Peter Skov Andersen opened the meeting and introduced the draft agenda, provided in TD SP-000500 which was approved without change. The report of the PCG meeting The available documents were allocated to their respective agenda items.

The Chairman reminded delegates of the need to declare any essential Intellectual Property Rights (IPRs) that they may hold, related to the work programme and systems of 3GPP, to their respective Partner SDO.

3 Approval of the meeting report of TSG SA Meeting #9

TD SP-000501 The report of the last meeting was approved without change.

4 Items for immediate consideration

The report of the Service Vision and Scenarios workshop in TD SP-000647 (agenda item 5) was presented before consideration of the inputs under this agenda item.

NOTE: These documents were presented as a basis for discussions under agenda item 8.9.

TD SP-000609 Design objectives of the IP Multimedia Subsystem Release 5, A comparison of views. This was introduced by BT. It presents some solutions and the amount of information copied from the CS domain to the IMS domain for each solution. It was clarified that this contribution had been presented to the joint SA WG1/SA WG2 meeting in New Jersey, the difference being that the revision marks had been accepted for this contribution.

TD SP-000606 Requirements For Release 5 IM Sub-system. This was introduced by BT and identified key requirements and key decisions that should be made at this TSG SA meeting from the BT perspective. It asked TSG SA to decide upon the following:

1. Should IMS be able to connect calls through to PSTN and CS (i.e. do we include the CSCF/MGCF/MGW interfaces)?
2. Should IMS service control interfaces to the CSCF be standardised?
3. Should the relevant parts of the IMS service control enable the re-use of existing service platforms (i.e. those covered in today's CS world)?

BT believes that the answers to all 3 questions should be "YES".

TD SP-000607 The use of CAMEL for the Release 5 IM Sub-system. This contribution was presented by BT and asked for clarification on how CAMEL will be used in the IM Subsystem. It proposes that in view of the different requirements that the two solutions are satisfying, both be progressed within 3GPP. Specifically:

1. the specification of CAMEL with MINIMAL changes/enhancements, primarily for the support of voice services using existing service platforms;
2. the specification of a new interface for the IMS (a need to initiate new work items as necessary in SA and CN to progress the development of a new purpose designed solution for all IMS services, to be specified as part of Release 5).

The progression of this work is seen by BT to be an urgent requirement.

TD SP-000641 IP Multimedia/Multiple Application/Telephony Usage Aspects. This contribution was presented by Ericsson and aimed at facilitating forthcoming discussions on what is an IP multimedia application in relation to multiple applications and Telephony. Aspects of new and existing revenue streams were also considered.

TD SP-000642 Analysis of design criteria for IMS in Release 5. This contribution was presented by Ericsson and concluded that Release 5 for IMS focus should be to create new services and not redevelop CS domain services and that interworking with CS domain services should not limit the IMS development.

TD SP-000643 Design objective of the IP Multimedia Subsystem Release 5, a comparison of views. This contribution was presented by Ericsson and attempted to add further clarity in the differences between the different approaches by focusing on what Ericsson consider to be the most relevant differences between the BT contribution (TD SP-000609) and the Ericsson view.

It was suggested that rather than picking a single solution proposal that the best points of each were chosen,

to allow full flexibility in the operators choice. However, this needs to be tempered by the need for quick implementation which may limit the choices which can be made.

TD SP-000644 Design Objectives for IM in R5: Points to Consider. This contribution was introduced by Alcatel and presents the proposals which were refined by 3G.IP and several other companies and which were made available in TD SP-000609. It proposes to choose the compromise solution (Solution "C" of the scenarios) which offers maximum flexibility and provides a future-safe evolution of 3G networks. Alcatel saw the biggest barrier to solution "D" to be the interworking between CS and IM domains.

TD SP-000617 Services Interworking for the IM Subsystem. This was introduced by Nortel Networks and recommends that users should be able to meet all their communications needs (including voice) through the exclusive use of the IMS; the IMS voice service should include the capability to place calls to and receive calls from legacy users on the CS-domain and PSTN and the level of legacy interworking standardised by 3GPP needs to be decided bearing in mind the importance of the legacy environment, but also the key requirement for the IMS to provide innovative and differentiated services. TSG SA were asked to endorse these points and ask the sub-committees to update the scope and work-plan for the IMS accordingly.

Delegates were asked to consider the above 8 documents for discussion under agenda item 8.9.

It was suggested that the tables are taken for background information in order to establish a consensus later in the week rather than trying to modify the content of the tables. The aim is to provide the right flexibility to allow the different deployment requirements of operators and to allow timely specification work.

5 Reports from TSG SA ad-hoc meetings

TD SP-000647 Report of Workshop on Service Vision and Scenarios. This was presented by Mr. M. Clayton, MCC. It was noted that this had been discussed in SA WG1 and some other WGs. The report was then noted.

6 Letters / Reports from other groups

6.1 TSG T, TSG CN, TSG RAN, TSG GERAN

TD SP-000505 LS from RAN WG2 on Requirements for PLMN selection and reselection. This provided some points identified for PLMN selection/re-selection, highlighting that the PLMN selection procedure could take a large amount of time in the 3GPP environment. Potential solutions to reduce this were proposed. It was suggested that a workshop could be used to progress toward a common understanding of the PLMN selection before too much work is done in this area. It was agreed that a suitable period for such a workshop will be considered. As a minimum, SA WG1, CN WG1, RAN WG2, RN WG4, GERAN WG1 should be represented at this workshop. The Chairman undertook to arrange the details of the workshop and inform TSG SA and relevant WGs.

TD SP-000583 Invitation to send contributions to the TR 21.905 (3GPP Vocabulary). This was introduced by the SA WG1 Chairman and requests contributions for the Vocabulary document as the number of contributions had been very low. It was recognised that a common terminology was important for the consistency of the specifications across 3GPP. The contribution also suggested the merging of the content of TS 41.004 (GSM vocabulary document) into TS 21.905. It was agreed that if the merging was feasible, then it should be done. The SA WG1 Chairman mentioned that a CR had been produced to merge the documents, which was dealt with under agenda item 7.1.3. This was noted.

TD SP-000584 LS on TR 21.905: Vocabulary for 3GPP Specifications. This highlighted differences in the vocabulary document and the SA WG1 chairman agreed to input this to the next SA WG1 meeting. The TSG SA Chairman noted that some of the definitions were radio related and that the document should be reviewed with respect to the RAN vocabulary document. The TSG RAN Chairman reported that the RAN WG4 were going to check this and report any problems to SA WG1. The TSG SA Chairman asked the TSG RAN Chairman to ensure that the Rapporteur contacted the responsible people directly to resolve any vocabulary issues.

TD SP-000639 LS from TSG T on T WG1 work programme for Rel4 and Rel5. The TSG T Chairman introduced this contribution, which provides a request from T WG1 for information on conformance testing from other WGs for the approach that should be taken and whether some functions outside of the "core" functions required conformance test specifications. The LS was also sent to TSG RAN, but had not been sent to TSG RAN#10; it was explained that the LS should be forwarded to the relevant WGs of the addressed TSGs. It was expected that a discussion on this would be held during the presentation of the report from TSG T under agenda Item 8.3.1. All WGs were asked to check their work and identify which areas require conformance testing for interoperability and to keep T WG1 informed of the requirements, and the conformance testing work going on in the WGs, so that T WG1 can monitor the overall testing work for consistency and to avoid duplication of work.

TD SP-000632 LS on Discussion document on UE functionality split over physical devices (revision of TD SP-000616). This was sent to SA WG3, TSG T, T WG1 and CN WG1 (copied to TSG SA for information). The potential use of Bluetooth technology to extend the UICC for in-vehicle use is considered, and the Security issues involved for this need to be checked (by SA WG3). Other practical issues were also raised in this LS (e.g. multiple-user charging, multiple applications in use, etc.) and some architectural models detailed. The interaction with RAN on the use of Bluetooth was also identified as an issue and TSG RAN were asked to look at the models with respect to potential problems. SA WG1 were also asked to look into the service impacts of the different models, in particular for the Emergency Call aspects in the multiple USIM environment. The SA WG1 Chairman suggested that the service aspects should be studied in order to identify which scenario(s) are required to be supported. T WG2 and SA WG1 Chairmen were asked to discuss a way to handle the work in a good time frame for the inclusion in Release 4. SA WG3 were also asked to study the scenarios and models for Security impact before the next TSG T meeting, as CRs will need to presented to TSG T#11 to complete this for Release 4. It was suggested that the layer 3 call control handling in the TE should also be considered.

This was considered a serious problem, and action needs to be taken to minimise the security risks. It was agreed that SA WG1 and T WG2 need to look at the requirements and work organisation, and SA WG3 should study the security impacts of the identified models. Other groups would be asked to study the other impacts (e.g. Network performance, prevention of overload/Network breakdown risk).

6.2 Partners and their bodies

TD SP-000585 Convergence of QoS approaches in 3GPP and TIPHON. This LS was provided to TSG SA for information and SA WG1 and SA WG2 were asked to consider this LS with the view to have alignment on the QoS approaches.

TD SP-000634 Draft Report of 3GPP PCG#5. The TSG SA Chairman presented the draft report of the PCG Meeting#5. The TSG SA Chairman had presented the report of TSG SA activities and issues. Mr. Michael Färber and Mr. Marc Grant were appointed as Vice Chairmen for TSG GERAN and Mr. N. P. Andersen had been asked to continue as convenor of TSG GERAN until elections were held in April 2001. The PCG Chairman elections took place and Mr. Akio Sasaki was appointed as PCG Chairman for 2001. TSG SA congratulated him on the appointment.

<Review of the assigned responsibilities within the TSGs to be undertaken by an ad hoc group under the leadership of Dr Bailey, taking into account the progress being made with the transferred GSM activities and the relative work loads resulting from the current assignments.>

The report was noted.

TD SP-000635 Draft Report of 3GPP OP#4. The TSG SA Chairman presented the draft report of the OP meeting#4. The Partners approved the revised Terms of Reference for TSG CN and TSG T and confirmed that wherever possible, additional requirements mandated by regulators should be clearly indicated in the superset of 3GPP specifications. The report was noted.

TD SP-000636 Text of draft RFC describing the 3GPP/IETF collaboration, as submitted to IETF process. In order to follow the IETF working procedure, the text of an agreement for collaboration had been issued as an RFC, which was provided here for information. The details of the document were presented briefly by the TSG SA Chairman and delegates were encouraged to read the detail off-line. The document was then noted. Candidates for the IETF collaboration rapporteur were requested after TSG SA Meeting#09, and one candidature had been received; the TSG SA Chairman had recommended the candidate for this post, which had received no adverse comment, and therefore Ileana Leuca had been appointed to this position.

TD SP-000662 Liaison statement – GPRS Roaming problem. This was presented and discussed with TD SP-000666 (this document was therefore noted).

TD SP-000666 GPRS Attach/registration Reject causes. This proposes that CN WG1 is mandated to update the specifications to cover the GPRS requirements of GSMA. This had been discussed in TSG CN, and it covered some situations that had not been considered when defining the work. TSG CN had tasked CN1 to find a suitable solution by TSG CN #11. TSG SA therefore noted this.

6.3 Others

TD SP-000502 Application on external devices. This reply LS to T WG2 was copied to TSG SA for information. It was presented by the TSG SA Chairman and was noted. The ability to test the results of the combination of several Units in the UE was also noted to be a requirement.

TD SP-000608 3G.IP Study on Architecture Enhancements Post Release 5. This was presented by BT and asks where the Post-Release 5 architecture enhancements will be discussed. It was clarified that the source of the contribution was 3G-IP. The validity of receiving contributions from an MRP rather than a 3GPP

Individual Member was questioned. It was thought that the 3G-IP body had identified that they had done some work, and were asking TSG SA whether they wish to continue this work, as they considered it more appropriate that the work was done in 3GPP. After some discussion, it was agreed that in principle, contributions should be from 3GPP Individual Members, but inputs can be accepted from Partners as TSGs or WGs sometimes receive Liaison statements which they need to be able to respond to. Inputs from MRPs should not influence the technical discussion of the TSGs. It was decided to re-submit this contribution for discussion under agenda item 8.10 with an appropriate source (see TD SP-000654).

TD SP-000640 Relationship between 3GPP and the "DVB" (replaces TD SP-000633). This was presented by the TSG SA Chairman and requests the use of UMTS for the DVB downlink and asks that this is worked on in 3GPP. The SA WG1 Chairman reported that this had been presented in their group, but no discussion had ensued. It was reported that the dialogue requested from DVB in June 2000 had not really occurred, and any additional standardisation requirements had not been studied or identified. The document was therefore noted and the TSG SA Chairman would respond to any queries on progress that any standardisation requirements would need to be identified by DVB.

7 Reports from TSG SA Working Groups

7.1 TSG SA WG1

7.1.1 Report from TSG SA WG1 and review of progress

TD SP-000531 Status report from SA WG1 to SA#10. This was presented by the SA WG1 Chairman using the slides provided in TD SP-000530. He reported that fairly good progress had been made in SA WG1, and that relatively few Release 1999 CRs were presented to TSG SA for approval. Release 4 was fairly stable with some CRs for approval.

7.1.2 Questions for advice from TSG SA WG1

How to handle deletion of handover requirements not supported by Release 1999 (SP-000534). It was clarified that there were no longer concerns on this issue and relevant CRs from SA WG1 can be agreed (see agenda item 7.1.3).

TSG SA/SA WG2 are asked to confirm that the architecture supports the introduction of IP Multimedia session control in CAMEL Phase 4 (SP-000538).

The impact of the New Jersey SA WG1/SA WG2 meeting on this was questioned. This issue was postponed to agenda item 8.9.

TD SP-000646 Reply to LS on Operator Determined Barring of Packet Oriented Services. This was for information from SA WG1 and was noted by TSG SA.

7.1.3 Approval of contributions from TSG SA WG1

CRs:

TD SP-000532 CRs to 22.041 on Operator Determined Barring of Packet Oriented Services (R99). These CRs were approved. It was suggested that this is removed from Release 1999 and re-introduced in Rel4. It was noted that both CRs were based on version 3.1.0 (typographical error to be corrected in CR database). It was also noted that TD SP-000618 contained a proposal for a WI related to this with CN WG4 as prime responsible group with dependencies in SA WG1 and SA WG2.

TD SP-000533 CRs to 22.101 on Deleting Encrypted USIM-ME interface (R99). These CRs were approved.

TD SP-000534 CRs to 22.129 on Handover requirements (R99). It was noted that there had been an objection to these CRs in SA WG1 and TSG SA Plenary were asked to confirm that these requirements were removed from Release 1999. These CRs were approved.

TD SP-000535 CRs to 22.105 on Alignment of delay definition (R99, Rel4). The meaning of end-to-end and round-trip delay was questioned (with respect to the ITU definitions). It was clarified that this is PLMN to Network Border. The table heading then appeared to be ambiguous and it was suggested to keep the definition of end-to-end in the specification. These CRs were discussed off-line and modified accordingly, and provided in TD SP-000683 which was approved.

TD SP-000536 CRs to 02.78 and 22.078 on Support of CAMEL Phase 1 and 2 (R97/98/99). These CRs were approved.

TD SP-000537 CRs to 22.078 on Introduction of GGSN Address (R99). These CRs were approved. It was noted that the Rel4 and Rel5 CRs were Category “A”.

TD SP-000658 (replaces TD SP-000538) CRs to 22.078 to correct misalignments (R99). It was noted that the editor's notes in CR062 should have been removed. The completeness on IM Subsystem was unstable, so CR074 was withdrawn. CR072 and CR063 were approved. The editor's notes in CR062 were removed and the revised CR was presented in TD SP-000688 which was then approved. The full set of approved CRs with editorial errors removed was re-created after the meeting, for convenience, in TD SP-000698. (This document contains the full set of approved CRs for this set of CRs, except CR074, which was withdrawn).

TD SP-000539 CR to 22.001 on Subscription Check (Rel4). This CR was approved.

TD SP-000540 CR to 22.003 on Removal of TS61 and TS62 in NT mode from GSM in Rel4 and later releases (Rel4). This CR did not display the revision marks and so was re-issued in TD SP-000687 which was approved. It was noted that this means that **GSM TS 03.46 is not to be issued in Rel4**.

TD SP-000541 CRs to 22.038 on LS on USAT local link mechanism and impact on TS 22.038 (Rel4/Rel5). It was reported that there had been an objection that there would not be sufficient time to complete the Security checks for Release 4. It was agreed that this is approved and the security aspects should be checked and if any problems are found, then the changes can be removed again. These CRs were then approved.

TD SP-000542 CRs to 22.060 for corrections (Rel4). These CRs were approved. It was noted that CR019 was approved as Category "A" as it corresponds to a correction to an earlier Release and that the header of CR020 contained a typographical error.

TD SP-000543 CR to 22.067 on Introduction of definition of called party pre-emption (Rel4). This CR was approved.

TD SP-000544 CRs to 22.071 (Rel4). These CRs were approved. It was noted that CR019 was approved as Category "B".

TD SP-000545 CRs to 22.078 on mid call event (Rel5). These CRs were approved.

TD SP-000546 CRs to 22.101 on Support of UMTS AKA for GSM only mobiles (Rel4/Rel5). France Telecom reported that they had reconsidered these CRs and requested that they can withdraw them for further study of the issues raised. It was also reported that T WG1 would like more time to review the impact of this CR although they didn't have any particular objection to the CR. It was decided to postpone these CRs for further study of the impact and SA WG1 and T WG1 were asked to keep SA WG3 informed of the activities.

TD SP-000547 CR to 22.105 on Correction to list of access dependent features (Rel4). This CR was approved.

TD SP-000548 CR to 22.140 on Incorporating Instant Messaging Capabilities in MMS (Rel4). There was an objection on the grounds that 3GPP should not be specifying the Instant Messaging service. T WG2 reported that there were some differences within T WG2 to include this in Rel4 and it was considered to need further discussion. This CR was rejected.

TD SP-000659 (replaces TD SP-000549) CRs to 21.905 on introduction of definitions and abbreviations (Rel4). These CRs were approved. It was noted that **this means that TS 41.104, Rel4 will not be created**. It was noted that the definition of UE as agreed in TSG SA#6 (Korea) was still not included in 21.905 and SA WG1 were asked to include a CR to do this at TSG SA meeting#11.

TD SP-000550 CRs to 02.68, 02.69, 42.068 and 42.069 to correction incorrect implementation of CR on CCBS interaction (R99/Rel4). These CRs were approved.

WI descriptions:

TD SP-000553 Various WIDs for information and approval. These WI descriptions were approved. It was noted that the appropriate AT commands would need to be created to allow TE display of operator name for the WI Description for "Service Provider Name". The target date for the study was noted to be TSG SA#11.

Specifications and Reports:

TD SP-000551 TS 22.127 "Service Requirement for the Open Services Access (OSA) Stage 1" version 2.0.0 for approval. This TS was approved as Rel4 (version 4.0.0) and placed under TSG SA Change Control.

TD SP-000552 TS 22.228 “Service requirements for the IP Multimedia Core Network Subsystem (Stage 1)” version 2.0.0 for approval. This TS was approved as Rel5 (version 5.0.0) and placed under TSG SA Change Control. It was noted that the Emergency Calls section was immature in TS 22.101 (which is referenced in TS 22.228), and the need for the Emergency Call procedure to be clarified for IM Subsystem and further consideration should be made by SA WG1. It was also noted that the last but 1 bullet of section 6 needed further elaboration and that approval of this TS at this time did not equate to approval of all the items in the document (i.e. necessary changes can still be made via CRs). SA WG1 were asked to look at these issues and make changes via CRs.

The SA WG1 Chairman announced his decision to resign his position as Chairman and informed the meeting that an election for his replacement would be held in February 2001. He had held the Chairmanship of SMG 1 and SA WG1 for the past 7 years, and thanked all SA WG1 delegates for their contributions and activity in the group. He also thanked Mr. Michael Clayton for his support as Technical Secretary for the WG, and Mr. Roger Tarazi for his good work in this function before Mr. Clayton.

The TSG SA Chairman thanked Mr. Alan Cox for all his work chairing SA WG1 over the years and he was applauded by the meeting.

7.2 TSG SA WG2

7.2.1 Report from TSG SA WG2 and review of progress

TD SP-000660 SA WG2 status report to TSG SA#10. This was presented by the SA WG2 Chairman. The SA WG2 Chairman was asked if he had any comments on the IMS Architecture. He reported that there had been a contribution in SA WG2 from BT, which had resulted in some comments, and some discussion in SA WG2.

7.2.2 Questions for advice from TSG SA WG2

TD SP-000656 Liaison on Usage of CAMEL for IM subsystem. This LS from the joint SA WG1/SA WG2 meeting asked TSG SA to provide guidance on aspects need to be taken into account when the decision is made regarding which mechanisms between CSCF and Service Platform are selected for use in IM CN SS.

The document was postponed for discussion under agenda item 8.9.

7.2.3 Approval of contributions from TSG SA WG2

CRs:

TD SP-000587 CRs on 23.002. These CRs were approved. It was noted that S2-002084 was 23.002 CR 026r1

TD SP-000588 CRs on 23.060. These CRs, except S2-002084 were approved. (i.e. only those presented in the cover page table, The CR of S2-002084 had been approved in TD SP-000587).

TD SP-000668 (revision of TD SP-000589) CR001r2 to 23.101: Incorporation of the UE definition. There was some discussion over the figure 2 in the CR as there was some confusion over the meaning of the UICC (USIM) meaning and the inclusion of the UICC inside the handset. After some discussion over this it was decided that figure 2 would need to be redrafted to make it clearer and provided in TD SP-000695. The reference to 04.02 was corrected to 24.002, the editors note removed and the revised CR001r4 provided in TD SP-000697 which was then approved.

TD SP-000590 CR on 23.127. This CR was approved. It was noted that the CR was category “F”.

TD SP-000591 CRs on 23.107. These CRs were approved.

TD SP-000592 CRs on 23.121. These CRs were approved.

TD SP-000593 CR on 23.171. This CR was approved.

WI descriptions:

TD SP-000599 LS and WI on Open LCS Interfaces in UMTS and GERAN. This LS proposes a workshop to include other groups affected by the proposed open LCS interfaces WI in order to define practical timescales for the work. A date which could allow all relevant parties to attend the workshop was being sought, and it was hoped to hold this in January 2001. The SA WG2 Chairman asked TSG SA to confirm whether a workshop was needed for this. There was support from the floor, and TSG SA noted the need for a workshop and asked SA WG2 to set this up and report to TSG SA on the timescales for the WI, in order to decide how the work can be done for Rel4/Rel5, possibly requiring the split of the WI between Releases. A request for clarity on the work plan was requested for the work on this WI. It was confirmed that this was already requested of SA WG2 and progress of the WI should be easily tracked on the project plan. It was clarified that the workshop was expected to analyse the necessary work and propose achievable timescales for the

work, in order to decide what can be completed for Rel4/Rel5. The TSG RAN Chairman asked whether the workshop should be held before approving the WI. The SA Chairman responded that TSG SA were responsible for the WI from the TSG SA point of view and the other affected TSGs are responsible for the creation and approval of their own work items to support this WI and SA WG2 should provide the architectural framework before the other groups could finalise their work. The TSG SA WI should be used as a framework for the complete feature. It was noted that the LS to TSG RAN asking for approval of a related WI before the approval in TSG SA was premature. There was lengthy discussion on the creation of the WI before the workshop, it was decided that the inclusion of the technical solution information should not be included in the WI description (i.e. the inclusion of the interfaces to be used) should be removed as the choice of technology would be dependent upon the results of the workshop. The second sentence and bullet points of Section 4 were deleted and the table in section 10 was revised accordingly. The updated WI description was provided in TD SP-000685 which was approved. It was agreed that a workshop should be held and the date was decided during the meeting (8-12 January?).

It was concluded that WIs can be approved to provide the framework for other groupos to define the details of the related work in other TSGs.

TD SP-000669 (revision of TD SP-000600 due to distribution error with the document) Revised WI on FS of an Architecture for Push Services. This update to the WI was approved.

TD SP-000601 WI on Mobile IP Enhancements. This document was withdrawn.

Specifications and Reports:

TD SP-000594 TS 23.207 v.1.0.0: "End-to-End QoS Concept and Architecture". This TS was presented to TSG SA for information and was noted.

TD SP-000595 TS 23.221 v.1.0.0: "Architectural requirements". This TS was presented to TSG SA for information at present because it includes both Rel4 and Rel5 items, and was noted. It was noted that this TS was expected to be presented for approval at TSG SA meeting #11.

TD SP-000596 TS 23.271 v.2.0.0: "Functional stage 2 description of LCS". This TS was presented to TSG SA for approval. The TS was approved as version 4.0.0 and placed under TSG SA Change Control.

TD SP-000597 TR 23.873 v.1.0.0 on Split Architecture. This TS was presented to TSG SA for information and was noted.

TD SP-000598 TS 23.228 v.1.4.0 on IM Subsystem with list of open issues. This TS was presented to TSG SA for information. TSG SA were asked to confirm that there are no concerns with the content and direction of the document as it currently is. No concerns or comments were stated and delegates were invited to check the document and provide input to SA WG2 in good time before submission for approval at TSG SA meeting #11. This TS was then noted.

7.3 TSG SA WG3

7.3.1 Report from TSG SA WG3 and review of progress

TD SP-000620 was presented by the SA WG3 Chairman using slides provided in TD SP-000664.

The SA WG3 Chairman reported that Release 1999 work was complete and only a small number of corrections were ongoing to the Release 1999 Security documents. The main focus for the forthcoming meetings was Rel4.

The additional threats of the IM Subsystem was questioned. It was clarified that the operator of the IM Subsystem may not be operator of the visited PLMN and the relationship model is not as in traditional PLMN roaming. It was confirmed that this mechanism did not introduce any additional complexity, and provided the operator with the control over where the security mechanism is terminated.

The Network Domain Security was clarified as being 2 parts, the MAP Security for CS Domain (e.g. SS7) and the use of IPSec for PS domain. The use of MAPSec and IPSec was further discussed after the LS to SA in TD SP-000622.

The authentication was clarified to take place in the UICC. The IMEI has not been considered as a security element by SA WG3, as it is not considered to be a secured element of the UICC.

It was reported that there had been dialogue between C. Brookson, Chairman of the GSM Association Security group, and ETSI on the development of the A5/3 security algorithm.

TD SP-000621 Report of SA WG3 ad-hoc meeting and draft report of meeting #16. These were provided for information and was noted.

7.3.2 Questions for advice from TSG SA WG3

TD SP-000622 LS from SA WG3: Security risks in introduction phase of MAP security. SA WG3 informed TSG SA that work was ongoing to secure MAP for Rel4 and Rel5. The benefit of MAP Security is dependent upon both operators involved in a signalling communication having an acceptable level of MAP Security. To address this problem SA WG3 requested that TSG SA endorse that there is a need for a cut-off date for the introduction of enhanced MAP Security, and to ask the GSM Association to propose a suitable date for the introduction of this. It was clarified that this was proposed for UMTS, but application also to GSM would be an advantage security-wise, but this was proposed at this time. The fact that not all UMTS operators were members of the GSM Association was raised, and that this may not be the best body to decide on a cut-off date. The TSG SA Chairman proposed that some text should be added to the MAP Security specification to advise that the mechanism is only useful if all interconnected operators also implement MAP Security. The competence for the appropriate level of security was a matter for SA WG3. The impact of enciphering MAP on international gateways was questioned. It was reported that MAP is an end-to-end protocol and is carried transparently and the ciphering of the content should have no impact on the SCCP nodes. It was proposed that other groups are also considered for the liaison from TSG SA. It was concluded that SA WG3 were requested to ensure that the warning about MAP security is included in the relevant specifications.

7.3.3 Approval of contributions from TSG SA WG3

CRs:

TD SP-000623 CRs 002 and 003 to 03.33: Addition of parameters to the X3-Interface. These CRs were approved. It was noted that the X-interface is outside of the standardisation and therefore the CRs were approved as Category “F” and “A” respectively.

TD SP-000624 CRs 004 and 005 to 03.33: Deletion of mono-mode and addition of optimal routeing. These CRs were updated to correct the text editorially: “may not be available” to “may be unavailable” and provided in TD SP-000670 which was approved.

TD SP-000625 CR001 to 33.107: Addition of parameters to the X3-Interface. This CR was approved.

TD SP-000626 6 CRs to 33.102. These CRs were approved.

TD SP-000627 CR015 to 33.105: Layer 2 related corrections. This CR was approved.

WI descriptions:

TD SP-000628 Revised WI: FIGS/IST work item description. This revised WI was approved.

Specifications and reports:

The SA WG3 Chairman reported that the network domain security documents (TS 33.200 and TR 33.800) were under e-mail review and approval in SA WG3 and would be sent to TSG SA e-mail list for information and presented to TSG SA meeting #11 for approval. A letter from the document rapporteur was provided in TD SP-000631 and was noted.

TD SP-000631 Letter from editor of TS 33.200 / TR 33.800 to SA WG3 Chairman concerning delay. This was covered in the report from the SA WG3 Chairman and noted.

TD SP-000629 33.909 v1.0.0: Report on the Evaluation of 3GPP Standard Confidentiality and Integrity Algorithms. This was presented for approval and was approved as version 3.0.0 and placed under TSG SA Change Control.

TD SP-000630 SAGE deliverables 1, 2, 3 & 4. These reports were provided by ETSI SAGE and were presented to TSG SA for approval. TSG SA were also asked to forward to the Organisational Partners for publication. Deliverables 1, 3 and 4 were approved an update to the C-code of deliverable 2 was provided in TD SP-000673 and was approved. **MCC were asked to ensure that these documents are sent to the Organisational Partners**.

7.4 TSG SA WG4

7.4.1 Report from TSG SA WG4 and review of progress

TD SP-000554 TSG S4 Status Report at TSG-SA#10. The SA WG4 Chairman presented the report. The results of the AMR wideband selection process phase was provided and the results of each selection test detailed. Further details were provided in TD SP-000555. It was recommended from the results of these selection tests that Candidate Codec 3 (Nokia) should be chosen as the AMR WB Codec. ITU-T SG 16 had proposed a further possibility for harmonisation by offering to include the AMR WB Codec chosen at TSG SA meeting #10 as a candidate Codec in the ITU-T selection process.

The optional use of AMR WB Codec for voice was questioned. The SA WG4 Chairman responded that this

follows the same reasoning as the GSM Codec in that there is one mandatory (default) Codec and Optional Codecs to be selected.

It was reported that the work for Global Text Telephony is well advanced, although it is planned for Rel5. The TSG CN Chairman commented that the work completed so far was the “short-term” phase and the long-term phase would need more time to complete. The additional code points needed in TSG CN was not considered as a problem, and the short-term phase could be included in Rel4.

It was asked whether the TFO Codec was compatible with Release 1999. The SA WG4 Chairman responded that the Codec was to be mandatory for Rel4. The Release 1999 AMR is not compatible for GSM Release 1999.

7.4.2 Questions for advice from TSG SA WG4

TD SP-000555 Results of AMR Wideband (AMR-WB) Codec Selection Phase. SA WG4 recommended the selection of Candidate Codec 3 (Nokia) as the 3GPP AMR WB Codec and asked TSG SA to approve this selection. This recommendation was approved.

TSG SA was requested to authorise ETSI to pay the laboratories involved in the AMR WB Codec selection tests that were performed. This request was approved.

7.4.3 Approval of contributions from TSG SA WG4

CRs:

TD SP-000572 CRs 06.51 - A009 to A 013 on Definition of the homing frame for the alternative EFR implementation (Phase 2 until R99). These CRs were approved.

TD SP-000581 Test vectors associated to 06.54 (TD SP-000573). These were approved as part of TD SP-000573.

TD SP-000573 CRs 06.54 - A007 to A011 on Correction to the test vectors of the alternative EFR version (Phase 2 until R99). These CRs were approved.

TD SP-000574 CRs TS 06.93 & TS 26.093 on Re-scheduling of stolen SID_UPDATE frames for AMR and clarification of Hangover period after Handover (R98 to Rel4). These CRs were approved.

TD SP-000575 CR TS 26.102 - CR005 on AMR interface to Iu (R99). This CR was approved. It was confirmed that CR005 was classified as Category “F”.

TD SP-000576 CRs TS 26.103 CR004, CR005 and CR006 (all Rel4). These CRs were approved.

TD SP-000577 CRs TS 26.104 - CR001 and CR002 on "AMR speech Codec; Floating point C-Code" (R99 and Rel4). These CRs were approved.

TD SP-000653 (replaces TD SP-000578) CR TS 26.111 - CR005r1 on MPEG4 visual simple profile @ level 0 (R99). This CR was approved.

TD SP-000579 CRs TR 26.911 - CR006, CR007 and CR008 on Annex K submodes of H.263 video Codec for 3G-H324 specification + correction (R99 and Rel4). These CRs were approved.

Specifications and Reports:

With regards to TD SP-000569 and TD SP-000570 a discussion over their suitability for Rel4 considering there seemed to be no significant impact on the 3GPP Rel4 specification set. It was considered that the core network could handle this in Rel4 in a number of ways and inclusion in Rel4 would be an advantage for the “short-term” phase. The regulatory aspects for Emergency Calls in North America was checked it was confirmed that these aspects would be contributed to by the North American Partner members. It was agreed to consider these specifications for approval in Rel4 subject to confirmation of completion of related work by TSG SA meeting #11.

TD SP-000569 Cellular Text Telephone Modem; General Description (3G TS 26.226 version 2.0.0 Rel5). This TS was approved as **version 4.0.0 (Rel4)** and placed under TSG SA Change Control. (short-term Phase of TFO).

TD SP-000570 Cellular Text Telephone Modem; Transmitter Bit Exact C-Code (3G TS 26.230 version 2.0.0 Rel5) This TS was approved as **version 4.0.0 (Rel4)** and placed under TSG SA Change Control. (short-term Phase of TFO).

TD SP-000580 Deliverables from the 3G AMR-NB testing laboratories. The payment by ETSI of the testing laboratories for their work was approved.

TD SP-000556 AMR Wideband Speech Codec; General Description (3G TS 26.171 version 1.0.0 Rel4). This

TS was provided for information and was noted.

TD SP-000557 ANSI-C code for the Adaptive Multi Rate Wideband speech Codec (3G TS 26.173 version 1.0.0 Rel4) This TS was provided for information and was noted.

TD SP-000663 (replaced TD SP-000558) AMR Wideband speech Codec; Transcoding functions (3G TS 26.190 version 1.0.0 Rel4). This TS was provided for information and was noted.

TD SP-000559 AMR Wideband Speech Codec; Error concealment of erroneous or lost frames (3G TS 26.191 version 1.0.0 Rel4). This TS was provided for information and was noted.

TD SP-000560 AMR Wideband Speech Codec; Comfort noise aspects (3G TS 26.192 version 1.0.0 Rel4). This TS was provided for information and was noted.

TD SP-000561 AMR Wideband Speech Codec; Source Controlled Rate operation (3G TS 26.193, version 1.0.0 Rel4). This TS was provided for information and was noted.

TD SP-000562 AMR Wideband speech Codec; Voice Activity Detector (VAD) (3G TS 26.194 version 1.0.0 Rel4). This TS was provided for information and was noted.

TD SP-000563 AMR Wideband Speech Codec; Frame Structure (3G TS 26.201 version 1.0.0 Rel4). This TS was provided for information and was noted.

TD SP-000564 AMR wideband speech Codec; Interface to Iu and Uu (3G TS 26.202 version 1.0.0 Rel4). This TS was provided for information and was noted.

Concerning TD SP-000565 and TD SP-000566: There was some concern expressed about the lack of input to these documents, and that many topics were not included (e.g. PDP contexts). The warning about continuing with work without the architectural issues being resolved was noted, and should be avoided in the specification work. The two specifications should include the word “transparent” in their titles to reflect the type of services. It was also noted that the Scope of the documents also appeared to be outside of the mandate of SA WG4, but should really be an SA WG2 document. This should be considered.

TD SP-000565 Packet-switched Streaming Services (PSS); General Description (3G TS 26.233 version 1.0.0 Rel4). This TS was provided for information and was noted.

TD SP-000566 Packet-switched Streaming Services (PSS); Protocols and Codecs (3G TS 26.234 version 1.0.0 Rel4). This TS was provided for information and was noted.

TD SP-000567 Packet Switched Conversational Multimedia Applications; Default Codecs (3G TS 26.235 version 1.0.0 Rel4). The SA WG4 Chairman was asked to contact the SA WG1 and T WG2 Chairmen to ensure information is provided on the documents to initiate discussions on the document contents and impacts. This specification should include the word “transparent” in the title to reflect the type of service. This TS was provided for information and was noted.

TD SP-000568 In-band Tandem Free Operation (TFO) of Speech Codecs; Stage 3 - Service Description; (3G TS 28.062 version 1.0.0 Rel4). The TSG SA Chairman requested that relevant groups be sent information about the development of this document. This TS was provided for information and was noted.

TD SP-000571 Cellular Text Telephone Modem; Minimum Performance Requirements (3G TS 26.231 version 1.0.0 Rel5). This TS was provided for information and was noted.

SA WG4 were asked to put Cellular Text Telephone Modem work into Rel4 on the work plan, instead of leaving it in the GTT feature (for Rel5); it was noted that development of the signalling aspects should not be needed, but the architectural issues could require further work.

7.5 TSG SA WG5

7.5.1 Report from TSG SA WG5 and review of progress

TD SP-000512 Status report from SA WG5 to SA#10. This report was presented by the SA WG5 Chairman using the slides provided in TD SP-000671. It was reported SA WG5 have completed Release 1999 work, including provision of all parts of TS 32.106. Other highlights of their work were:

- Definition and planning of Release 4 and 5 work
- Coordination/communication with other groups within 3GPP
- Interaction with external organizations

7.5.2 Questions for advice from TSG SA WG5

TSG SA were asked for advice about the placing of the work of GSM 12.21 and GSM 12.22, which are currently under SA5 custody, in GERAN WG3. This was considered to be an error in the list of

responsibilities for the documents and therefore the list will be updated accordingly by MCC.

7.5.3 Approval of contributions from TSG SA WG5

CRs:

TD SP-000516 CRs to Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain (32.015). These CRs were approved.

TD SP-000517 CR to 3G Performance Management (32.104). This CR was approved.

TD SP-000518 CRs to Telecommunication Management; Configuration Management; Part 2: Notification Integration Reference Point; Information Service version 1 (32.106-2). These CRs were approved.

TD SP-000519 CRs to Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA Solution Set version 1:1 (32.106-3). These CRs were approved.

TD SP-000520 CRs to Telecommunications Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service (32.111-2). These CRs were approved.

TD SP-000521 CRs to Telecommunications Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1 (32.111-3). These CRs were approved.

TD SP-000522 CR to 3G Telecom Management principles and high level requirements (32.101). This CR was approved.

TD SP-000523 CRs to Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain (32.005). A concern was raised over CR002, which is made changes to the charging record parameters only to the Release 1999 specification, but not to GSM 12.05, it was clarified that the handling of harmonising the 3G and 2G specifications needs further study in SA WG5. It was asked whether multimode had been considered in the charging parameters where information will be needed to be equivalent for both 3G and 2G systems. It was decided to reject this CR at this time and SA WG5 were asked to study the implications for multimode usage. (These CRs were approved, except CR002 which was rejected). The approved CRs were provided after the meeting, for convenience, in TD SP-000699.

WI descriptions:

TD SP-000524 SA5 proposed Work-Plan & Work Items for Release 4/5. This provided updates to Work Items as requested at TSG SA meeting #09 and 5 new WIs. These Work Item descriptions were approved.

Specifications and Reports:

TD SP-000513 32.106-5 (v2.0.0) Configuration Management; Part 5: Basic Configuration Management IRP: Information Model Version 1 (Release 1999). This TS was approved as version 3.0.0 (Release 1999) and placed under TSG SA Change Control.

TD SP-000514 32.106-6 (v1.0.0) Configuration Management; Part 6: Basic Configuration Management IRP CORBA Solution Set Version 1:1. This TS was approved as version 3.0.0 (Release 1999) and placed under TSG SA Change Control.

TD SP-000515 32.106-7 (v1.0.0) Configuration Management; Part 7: Basic Configuration Management IRP CMIP Solution Set Version 1:1. This TS was approved as version 3.0.0 (Release 1999) and placed under TSG SA Change Control.

SA WG5 requested withdrawal of TS 32.105 from release 1999. TSG SA noted that the document was not under change control and that it would not be produced for Release 1999.

TD SP-000525 ITU-T SG 4 issues (WP 3/4 TMN wireless work, WP 4/4 TMN CORBA framework). This lists the e-mail exchange between the SA WG5 Chairman and ITU-T SG 4. SA WG5 ask if it is acceptable for the SA WG5 Chairman to go to the ITU-T SG 4 meetings and present the concerns of 3GPP with the ITU-T SG4 COBRA management tools. This proposal was endorsed by TSG SA.

7.6 3GPP Work plan

TD SP-000674 (revision of TD SP-000603) MCC review of the Work Plan. Alain Sultan (MCC) introduced this document which was a more readable extract of the Work Plan provided in TD SP-000602. It provides the information on the status of each Feature, as identified by MCC support. This was considered a useful overview of the Project Plan. It was noted that not all of the changes received at the other TSG meeting #10 from the previous week had been included in this presentation. The Wideband Telephony Service work item needed to be considered by the TSGs to determine which Release it can be expected to be completed for (Rel4/Rel5). Comments were requested to be sent directly to Alain Sultan. It was clarified that each TSG is responsible to the updating of it's own work items, and for the MCC support for each WG to update the

individual WG items, with agreement of the WG. Cross TSG dependencies could be handled either by liaison between the TSGs, or via MCC support passing information to each other for raising in the responsible WGs. Problems should be resolved by raising them to the TSG SA level for decision. The update of the project plan is dealt with by Alain Sultan, but consistency checks should be performed by MCC, coordinated by Alain Sultan.

TD SP-000602 Work Plan version Dec. 5th. This was provided to give more detailed information to that in the extract in TD SP-000674). The cover sheet contained some general information for people not familiar with the work plan. Tracking changes to the Project Plan had been identified as a problem, and a proposal for dealing with this was provided in TD SP-000604.

TD SP-000604 Work Plan Change Tracking Procedures. This proposed a mechanism to track changes made to the work plan by use of a document which detailed the changes produced since last TSG SA Plenary. The CAMEL phase 4 work plan in particular was questioned in that the Charging requirements start in June 2001, whereas others start in January. This was explained to be due to the responsibility split between the Building Blocks to different WGs. A question on the report on Creation and deletion of building blocks being under the decision of MCC was questioned. It was recognised that a Feature or Building Block would usually have an associated WI description, and is controlled in the approval and removal at TSG level. Work Tasks on the other hand, may not have associated WI descriptions and changes to these need to be made in a visible and traceable way.

The proposal to review the work plan in this way earlier in the meeting was made. The SA Chairman considered it reasonable to present this after the reports of the WGs, but it was up to each TSG to decide where to place this presentation on their agendas.

An aim is to have the work plan available in advance of the meeting, in order to allow time for review before the meeting and contributions to update the plan made. A request was therefore made to provide the plan to the TSGs via e-mail lists before each TSG meeting.

TD SP-000605 TE&I generic WI. This proposes to create a “Joker” Work Item to contain items which are not relevant for inclusion as a stand alone item. It suggested that only one item should be produced to hold items from all TSGs. An example is the production of miscellaneous small CRs which do not justify a work item, but which need to have a Work Item identity for traceability. The principle of this was agreed by TSG SA, but the mechanism to implement it should be studied to make it easy to use.

7.7 Review of TSG SA Release 1999 completion

No contributions were dealt with under this agenda item.

7.8 Review of TSG SA Release 4 status

No contributions were dealt with under this agenda item.

7.9 Review of TSG SA Release 5 status

No contributions were dealt with under this agenda item.

7.10 Review of TSG SA work programme

TD SP-000619 Work Item Description: Intra Domain Connection of RAN Nodes to Multiple CN Nodes: Overall System Architecture. This was submitted by Vodafone and contains a proposal for a Work Item in TSG SA, and annexed corresponding Work Items for other TSGs. It proposes a study for a means to provide Radio Network Controllers/BSCs connecting to multiple MSCs/SGSNs for reduced signalling overhead and more efficient hardware utilisation. There was some confusion over the suggestion that switches would serve smaller areas. This was explained to be the effect of increased subscriber base; increased mobility of subscribers between MSC service areas will not need to trigger so many MSCs for location updates, etc.

SA WG2 had discussed this proposal and it was reported that there had been no conclusion on this item. An e-mail approval procedure was launched and the conclusion was that there was a concern raised as the content had not been fully handled in SA WG2 and it was taken off of e-mail approval again.

There was an objection from Alcatel in the light of steadily growing performance of platforms. Due to this, it was commented that the necessity of such a function at the time of its introduction is no longer required. It was further commented that a well-balanced network in terms of performance will not require such mechanisms. Despite these comments TSG SA decided to put this Work Item description forward to further elaboration.

TSG SA agreed in principle with the proposal and it was approved.

7.11 Letters to other groups

No contributions were dealt with under this agenda item.

7.12 Other issues

No contributions were dealt with under this agenda item.

8 Technical coordination with TSG CN, TSG RAN, TSG T and TSG GERAN

8.1 Report from TSG CN

8.1.1 Report and questions for discussion from TSG CN

TD SP-000649 CN Status Report#10. This was presented by the TSG CN Chairman using the slides provided in TD SP-000650.

CN confirmed that support of CAMEL Phase 2 implies support for CAMEL Phase 1

Lossless relocation for UMTS (Release 1999) solution is to use Y shaped tunnels. Bearer independent CS Network (Rel4): TS 23.205 and TS 29.323 were provided for information.

V.44 support agreed for SNDCP (Rel4).

Intention to create new WI for ODB in GPRS (Rel4) – urgently needed for fraud prevention on GPRS. Proposed WI description in TD SP-000618.

IP Multimedia is making good progress.

Transcoder Free Operation (TrFO) has progressed very well and is on target for Rel4.

Service Modification without pre-notification (Rel4) WI has lost much of its support, and will be deleted if SA WG1 requirement is removed.

Context for Positive Authentication reporting. SA WG3 require Positive. Authentication Reporting but CN are reluctant to do this without a service requirement for 3GPP-3GPP2 interworking. A Liaison Statement was provided in TD SP-000638.

3 CRs to TS 23.127 had been endorsed for TSG SA to approve (in TD SP-000637).

TD SP-000638 Liaison statement on 3GPP-3GPP2 Inter-system roaming. The SA WG3 Chairman clarified that the work on Positive Authentication Reporting was needed in order to finalise the Authentication procedures and if it is not done in 3GPP TSG CN then 3GPP2 will define their own mechanism for their own requirement of positive authentication reporting. There was some call for a clarification of the Context. It was clarified that the provision of the function did not mean that it had to be used by 3GPP Operators, although they may choose to use it, but this would prevent a different mechanism being introduced in 3GPP2, which may mean a substantial change to the 3GPP system if ever roaming is required. There was some discussion and finally it was agreed that the definition in a serving node of whether positive authentication reporting is required would be handled administratively (as was the intention of SA WG3) and CN would take note of this in specifying the protocol and procedures for positive authentication reporting.

TD SP-000637 LS from CN on maintenance of TS 23.127. The LS was noted. The CRs 040, 041 and 042 were allocated numbers and provided in TD SP-000680 which were approved.

8.1.2 Information on Release 1999, Release 4 and Release 5 status in TSG CN

No contributions were dealt with under this agenda item.

8.1.3 Information on status and changes to deliverables

New Wis:

TD SP-000618 Work Item Description for Release 4: ODB (Operator Determined Barring for PS Domain). This proposes a Work Item for the Stage 2 in SA WG2. The TSG CN chairman reported that the WI had not been approved at the meeting, and it was to be reviewed and considered for approval at CN#11. **SA WG2 were asked to create a work item for this** as the need for this work was confirmed.

CSCF-HSS (Cx) I/f

SS#7 over IP

ASCI

Intra-domain connection of RAN Nodes

8.2 Report from TSG RAN

8.2.1 Report and questions for discussion from TSG RAN

TD SP-000665 TSG-RAN#10 Meeting Report. The TSG RAN Chairman presented his report of Progress at TSG RAN #10. He reported that the meeting had completed without the long working hours previously experienced. There was still much work on Release 1999, including around 475 Release 1999 CRs. He reported that Release 1999 is becoming stabilised. RAN WG1 had moved most of their work to Rel4 and Rel5, and Release 1999 is low activity. RAN WG2 made many corrections on the RRC and most of the WG meeting time is spent on Release 1999, however, there were no more open issues remaining in WG2. RAN WG3 does not have a Chairman, and the Vice Chairman is acting as Chairman. The Delay Budget TR 25.932 had been approved which will need discussion in SA WG2. RAN WG4 are making their major corrections to the RRM, and consider their Release 1999 work as becoming stabilised. The ITU-R ad-hoc group revised the procedure to update IMT-2000, but the 3GPP draft update was not approved in ITU-R.

The workload in MCC is still very high, particularly for WG2 and WG3. ARIB support for implementation of CRs has been successful and will continue.

RAN had agreed to hold a Workshop on UTRAN evolution (as announced in TD SP-000648). A Workshop on PLMN selection was also requested by TSG RAN to TSG SA.

The RAN Chairman concluded:

- Still, work on R'99 is remaining, especially in RAN2 and RAN3.
- Discussion on Rel 4 has started, and making progress, especially in WG1.
- Very limited RAN3 delegates attend RAN plenary. More attendance is encouraged.

The discussion on Compressed mode was raised, and it was reported that very little discussion had occurred.

Header Compression work planning was questioned. F. Courau responded that the IETF were working on this and TSG RAN are dependent on this. The release for this work was clarified, as the Project Plan states Rel5 and it was thought that it should be Rel4 WI.

The support of QoS was questioned. It was reported that this was ongoing and on target.

8.2.2 Information on Release 1999, Release 4 and Release 5 status in TSG RAN

Improved usage of downlink resources has been moved to Rel5.

8.2.3 Information on status and changes to deliverables

Deleted WIs:

Requirements on equipment

Smart Antenna

New WIs:

Intra Domain Connection of RAN Nodes to Multiple CN Nodes: Overall System Architecture. This WI was approved in principle, but was dependent of the approval of the Feature in TSG SA (which had been approved) and therefore was considered approved by TSG RAN.

Multicast capability in RAN – this WI will be proposed to TSG SA first.

UTRAN O&M procedures: More detailed information from SA WG5 is necessary for RAN WG3 to discuss this.

RAN small technical enhancements. This WI will be removed following the main "TEI" agreed by TSG SA.

TD SP-000648 Announcement of Workshop on UTRAN Evolution. This workshop status of current situation of UTRAN in Rel4 and RAN architecture status, and discussion on possible improvements. The output should be a properly developed WI for IP-based UTRAN. The invitation was noted. SA WG2 are invited for the Architectural issues SA WG3 for Security issues.

Approved TRs:

TR25.836, 25.841, 25.843

RAN WG3 have created their own TRs for internal use, but none of these were approved.

TR 25.840 was not approved as WG2 and WG4 need to add more detail, for re-submission at RAN#11

25.954 was not approved as some operators have concerns over BS-BS interference case is not fully analysed.

8.3 Report from TSG T

8.3.1 Report and questions for discussion from TSG T

TD SP-000652 T#10 Status Report. The progress report of TSG T was presented by the TSG T Chairman.

T WG1:

TS 34.121 - Terminal Conformance Specification, Radio Transmission and Reception (FDD)

Issues:

- Test Tolerance / Combined Uncertainty / Measurement Uncertainty
- Total Test time: Some proposals reviewed; no conclusion yet!
- RRM: Work only starting now due to Core specification instability

TS 34.122 - Terminal Conformance Specification, Radio Transmission and Reception (TDD)

Issues

- Still few contributions and from a limited number of companies

TS 34.123-1 - User Equipment (UE) Conformance Specification, Part 1 – Conformance specification

- almost complete

TS 34.124 & TS 34.926 are finalized & ready to be transferred to RAN4.

Measurement Uncertainty: T1/RF will complete regulatory critical test items in TS 34.121 by TSG-T#11. T1/RF's Draft CRs will be endorsed by RAN4 in January and to be approved by T1/RF in March 2001.

T WG2:

Good Progress on Rel4

- MExE Release 4 Content Complete
  - Classmark3 based on k-java & User Profile included
  - Security concerns addressed
- UE Capability Requirements Report: No further work in T2 planned
  - Some Risk
- Data Constructs for Rel-4: Needs input from other WGs
- MMS Progressing
  - Streaming added & Specification updated to be less WAP-specific
  - IP and WAP implementations in Annexes
- AT Commands
  - Some recent work on AT commands related to (U)SIM functions
  - More work needed, in many areas, many groups adding new features which cannot be controlled by AT commands, e.g. "Network Name". WGs are invited to consider AT commands when adding new features.

High Risk:

- Terminal Local Model: Still needs much more work
- Alternatives to AT Commands
  - Discussions at Oxford Workshop and follow-on
  - No substantial work in T2
  - A possibility for Release 5 but this depends on getting an agreed framework

Other items

- No input on Bearer Modification without pre-notification

- Limited input from VHE groups on terminal aspects of VHE
- No input on terminal impacts of Location Services
- No input on application aspects of ensuring reliable QoS for PS Domain

Rel-5 Preview

- MExE Rel-5

Draft WID almost ready

VHE User Profile

ECMA “Common Language Infrastructure” Support as Classmark 4

- Terminal Local Model

Unlikely to be complete in Rel-4

- Synchronisation

Smooth Upgrade Path from Release 99 Sync to “SyncML” compatibility

- Multimedia Messaging

Further refinements

- Terminal aspects of Global Text Telephony
- Terminal impact for VHE/OSA Enhancements

Security Issues with External Connections (TD SP-000632):

- Example of “Car Pooling in the Wireless Lane” considered.
- Major problems with “transferring” identity from handheld phone to car-phone.

Carry second smart card from same operator and insert in car (car environment issues); Transfer secret information from handheld card into in-car card (severe security implications).

Enable USIM interface over local wireless link (security implications as whatever encryption is put over this link, it will be broken eventually).

T WG3:

Release 99 test specifications were approved (MCC Task 162)

- TS 31.120 (TP-000204): UICC-Terminal Interface; Physical, electrical and logical test specification
- TS 31.121 (TP-000205): UICC-Terminal Interface; USIM Application Test specification
- TS 31.122 (TP-000206): USIM conformance test specification

Specifications were presented for information

- TS 22.112 (TP-000207): (U)SIM toolkit Interpreter - stage 1
- 3GPP 11.13 (TP-000208): Test specification for the SIM API

Rel4:

Work item "USAT local link” to allow the use of other bearers such as RS232, Bluetooth, …

Expected to be finalised at TSG-T #11 (subject to resolution of security issues)

- Work item “CPHS features”

Standardises the previously proprietary CPHS features

Expected to be finalised at TSG-T #11

- First draft of the Technical Report on SIM/USIM inter-working has been reviewed

Expected to be presented to TSG-T #11 as v1.0.0

- No progress on UICC database work item – most likely to be moved to Rel-5
- Progress on UICC/terminal interface speed enhancement

Feasibility study expected at next meeting

- TSG-SA advice sought about USIM support for Rel-4 GSM only terminal

ETSI Project Smart Card Platform (EP SCP):

Progress Report for information.

ETSI TS 102 221 Terminal - UICC interface

ETSI TS 102 222 Administrative Commands

Technology Independent Card Application Toolkit specification (Based on TS 31.111 USAT)

MCC Testing Task Forces:

MCC Task 162: Three test specifications on USIM and UICC/USIM interface approved at TSG T #10

MCC Task 160: Drafted 110 Test Cases, 500 Test Cases will be completed by June 2001. T WG1 recommends advance of 2002 funding (18 MM) to 2001 to supplement insufficient voluntary contribution and this was endorsed by TSG T#10. TSG SA noted that this was a result of the advancing of the budget from 2001 into 2000 and would probably cause the same shortage for 2002.

MCC Task 161: The four experts have been working on the development of L2 PDCP & BMC, L2 MAC, Intersystem HO (CS) and review and refinement of RRC test (was resolved by voluntary means). Task 161 completed and the project is closed.

Discussion needed in TSG-SA #10:

T WG1 proposed new MCC Task Force:

The on-going updates and changing of the core specifications is leading to an unexpectedly large amount of time being spent maintaining already implemented Test Cases in TTCN. MCC estimates 8 MM required for this new task. Delivery schedule and funding for Rel4 and Rel5 will be provided at TSG-T #11 by MCC.

Testing of Applications (LS in TD SP-000639)

T1 has put together a tentative list of features (MExE, OSA, IP, …) and guidance needed on Requirements and Responsibility.

Support of USIM functionality by GSM Rel4 terminals:

Should GSM only Rel4 terminals be mandated to support USIM functionality? (i.e. 3GPP TS 31.102 and ETSI TS 102 221). TSG SA supported the view of TSG T that GSM only Rel4 terminals shall be **mandated** to support USIM functionality.

TD SP-000651 LS on Terminal Capabilities. This provides some ways of providing the Terminal Capabilities information, e.g. by using a Capability Store and the use of Classmarks, and pointed out the areas where study is required to produce an efficient and useful system, and for the standardisation of interfaces.

TSG CN had considered it premature to start work before the service requirements were clarified by TSG SA. Many other issues had been identified (frequency of TC information update, multiple Bluetooth devices causing frequent registration, etc.). It was agreed that this issue was complicated and required a fuller study. It was therefore agreed to forward the LS to SA WG1 for an analysis from the service viewpoint. It was also recognised that there may be some impact on RAN WGs.

TD SP-000657 TS 27.104 v. 0.1.1 Objects and other constructs for use in data synchronisation. WGs were asked to identify additional objects and data types, which need synchronisation, to be included in this specification. The document was noted. Delegates were asked to provide input to T WG2.

8.3.2 Information on Release 1999, Release 4 and Release 5 status in TSG T

The definition of work program including work tasks for Rel4 is ongoing. Work tasks for Rel-4 will be linked to tasks in the core groups. Work Program will be presented as part of the general work plan by MCC.

8.3.3 Information on status and changes to deliverables

Specification for Information/Discussion (TD SP-000657)

TS 27.104: “vObjects and other Constructs for use in Data Synchronisation”

- T2 is producing a specification identifying the types of data which need to be synchronised

Locally or between UE and Network Application

- T2 needs information from all groups on any data types required to be synchronised within the UE or between UE and Network

- This is particularly relevant to VHE

Terminal Capabilities (TD SP-000651)

- Operators concerned that information about Terminal Capabilities is not available in the application layer of the network
- Discussion document prepared to raise awareness and seek solution
- Need for a workshop across WGs?

Issues on External Interfaces

- Need for

Common high level protocols interfacing to specific low level interface

Overall system security thinking in development of External Interfaces outside 3GPP

- Model for UE architecture

Multiple serial-link model or a completely IP-based model?

8.4 Report from TSG GERAN

8.4.1 Report and questions for discussion from TSG GERAN

TD SP-000610 GERAN Status Report#2. The TSG GERAN Chairman provided a report of the progress of TSG GERAN and the highlights of GERAN meeting #02. He reported that 2 Vice Chairmen had been elected for GERAN, Mr. Michael Färber, and Mr. Marc Grant (SPC). GERAN is structured with 4 WGs: WG1: Radio Aspects, WG2: Protocol Aspects, WG3: Base Station Testing and O&M and WG4: Terminal Testing. The GERAN Work Plan had been integrated into main 3GPP Work Plan and more than 30 Work Items had been adopted, covering:

- GERAN/UTRAN interface evolution 1 (Iups) (Feature)
- GERAN/UTRAN interface evolution 2 (Iucs) (Feature)
- Low chip rate TDD interworking with GERAN (Building Block)
- GERAN improvements 1 (Gb over Ip) (Feature)
- GERAN improvements 2 (Gb enhancements) (Feature)
- GERAN radio interface evolution (Feature)
- 700 MHz spectrum support (Feature)
- Support of WB AMR in GERAN incl. testing (3 Building Blocks)
- Location Services in GERAN including testing (5 Building Blocks)

GSM – 3G interworking had been reviewed again and was considered stable. DTM (Dual Transfer Mode) had been completed, including EGPRS support (R99). EDGE R99 was stable. Support of GSM in 700 MHz band –expected completion January 2001. Specifications to make GSM in 400 MHz bands release independent completed. GERAN have some concern on the overhead of integrity protection of messages and the feasibility of implementation. For GPRS R97, R98 and R99 a problem regarding contention resolution was identified. The main open issue remaining is, that in case of networks not utilising ciphering for GPRS the Mobile station might during contention resolution react to PACKET DOWNLINK ASSIGNMENT or PACKET TIMESLOT RECONFIGURE messages intended to another mobile station. Fixing this will require retrofitting of Mobile stations.

Other areas in GERAN of GPRS were reported to be stable for R97, R98 and R99.

Concern about the complexity and potential undiscovered errors in the RATSCCH – S4 indicated need for RATSCCH for TFO. AMR adaptation requirements clarified in GSM 05.09 (R98 & R99). Work on LCS in GERAN well underway, LCS for PS is new relatively to R99. A study is ongoing on potential problems reported with LCS Layer 3 signalling, introduced in R98 and R99 to allow pre-emption of LCS messages by RR messages.

The TSG GERAN relationship with TSG T was presented: GERAN WG4 is responsible for Access Stratum (AS) related to GERAN, T WG1 is responsible for Access Stratum (AS) related to UTRAN. Dual mode testing split following the core specifications:

- GERAN WG4 responsible for GSM to 3G HO/Cell selection;

- T WG1 responsible for 3G to GSM HO/Cell selection.

Split is now implemented as above except for Cell selection/re-selection, for which test cases still are in a TSG T WG1 specification.

It was reported that the consequences for testing for the non-access stratum need to be considered for any change of the availability of single-mode GSM tests.

The transfer of GSM specifications into GERAN was highlighted, and a renumbering of specifications had occurred in order to bring them into a common specification set:

- Old GSM specification numbers and version numbers are kept for Phase 1, Phase 2, R96, R97, R98, and R99;
- For Releases after R99 specification numbering to follow 3GPP format xx.yyy and version number aligned with other TSGs, e.g. next release will be version 4.x.y.
- New specification numbers to be derived from the old specification number
  ab.cd=> (40+ab).0cd
  e.g.
  05.08 => 45.008

The next meeting of TSG GERAN (#03) was planned for 15 - 19 January 2001 in Boston, USA

The pre-emption of LCS messages applicability to Emergency Call procedures was questioned. The TSG GERAN Chairman responded that this is layer 3 pre-emption, which would reduce the chances of an Emergency Call from being dropped (the feature was introduced in order to guarantee the connection, in particular for Emergency Call requirements).

It was clarified that the 400 MHz band work was completed to make it Release independent, and it was agreed that all frequency bands would be made Release independent, but that each frequency band would require specific work and only 400 MHz had been completed so far. (Release independent is taken in TSG GERAN to mean R97 onwards).

8.4.2 Information on Release 1999, Release 4 and Release 5 status in TSG GERAN

No contributions were dealt with under this agenda item.

8.4.3 Information on status and changes to deliverables

No contributions were dealt with under this agenda item.

8.5 Letters to other groups

No contributions were dealt with under this agenda item.

8.6 Review of Release 1999 specification set

TD SP-000526 CR001 to 01.01. This CR was approved.

TD SP-000527 CR003 to 21.101. This CR was approved.

TD SP-000528 Specs status list prior to TSGs#10. This was provided for information and was noted.

TD SP-000529 Specs status list at end of TSG SA#10. This was completed after the meeting and distributed for comment.

8.7 General aspects of Release handling and definition

TD SP-000615 (revision of TD SP-000509) Changes to stock text in the "References" clause of 3GPP specs. The proposed changes to the references text for 3GPP TSs and TRs was approved. **The WG and TSG officials were asked to note the last line of the document, and to check the references of the documents under their responsibility**.

8.8 Review of Release 4 status and content

TD SP-000507 21.102 v1.1.0 "3rd Generation mobile system Release 4 Specifications" Approval of this document, with complete information was expected to be presented to TSG SA meeting #11. This document was then noted. This opened the question to TSG SA how we wish to produce the Release 4 set of specifications. It was suggested that all documents not specifically stated as not part of Release 4 will be upgraded to Release 4 by MCC. This suggestion was approved.

TD SP-000614 (revision of TD SP-000508). 41.102 "GSM specification set (Release 4)".. It was noted that the tables are to be merged into a new layout. The document was then noted. As for TD SP-000507, it was agreed that documents will be upgraded to Release 4 by MCC unless explicitly excluded by the WG

Chairman.

TD SP-000674 MCC review of the Work Plan. Delegates were asked to check this document. It was then noted.

TD SP-000672 Unfinished items proposed for inclusion in Rel4. This was introduced by the TSG RAN Chairman and provides the incomplete Work Items ("Open Items") for Release 4, as was produced for Release 1999 at TSG SA meeting #06. The items included were targeted for completion in March 2001. It was noted that there was still a lot of work needed for the completion of the functionality for Release 4 and Members should concentrate on providing the necessary resources to do this. The work Item number was questioned, and it was explained that this was an internal RAN identity, and do not refer to the work plan. The document was then noted. **All members were asked to concentrate on the Release 4 open items in all TSGs, and in particular, on the open items which have other, completed work items which are dependent upon the completion of these open work items.**

The status of the Wideband AMR Codec related Work Items should be checked to see if it can be completed for Release 4. TSG RAN Chairman reported that completion was unlikely, but that this would be verified.

An updated work plan was requested from Alain Sultan, MCC in order to facilitate the completion of Release 4 decisions at TSG SA meeting #11. This was provided in TD SP-000692 (update to the work plan provided in TD SP-000602) and a potential error was reported on the Work Item ID 859 (Evolutions of the transport in the CN). MCC were asked to check this and correct the work plan as appropriate. The correction is shown in the table below.

WI ID	Name	Responsible group	Acronym	Release
859	IP Transport of CN protocols (e.g., CAP, MAP)	WG CN4	IPinCN	Rel4

It was reported that the information on GERAN Release 4 Work Items would be updated in a similar way at their next TSG meeting. Co-ordination of GERAN meetings with the other TSG meetings schedule was under consideration to reduce this alignment problem with the project co-ordination.

WID 1829: Wide area data synchronisation will be corrected to Rel4 (from Rel5).

The definition of Release 4, extracted from the Project Plan is attached as **Annex G** to this report.

It was noted that an extract of the Project Plan was also available in TD SP-000692 for Release 5.

MCC were asked to take this annex to provide an overview of the Release 4 work plan and provided to all 3GPP WGs. Changes to this would need to be tracked, and any changes explained in detail at TSG SA meeting #11.

8.9 Review of Release 5 status and content

The documents which had been introduced under agenda item 4 were discussed under this agenda item, after a brief re-cap by the source companies.

TD SP-000606 Requirements For Release 5 IM Sub-system. This was presented under agenda item 4.

TD SP-000607 The use of CAMEL for the Release 5 IM Sub-system. This was presented under agenda item 4.

TD SP-000609 Design objectives of the IP Multimedia Subsystem Release 5, A comparison of views. This was presented under agenda item 4.

TD SP-000617 Services Interworking for the IM Subsystem. This was presented under agenda item 4.

TD SP-000641 IP Multimedia/Multiple Application/Telephony Usage Aspects. This was presented under agenda item 4.

TD SP-000642 Analysis of design criteria for IMS in R5. This was presented under agenda item 4.

TD SP-000643 Design objective of the IP Multimedia Subsystem Release 5, a comparison of views. This was presented under agenda item 4.

TD SP-000644 Design Objectives for IM in R5: Points to Consider. This was presented under agenda item 4.

TD SP-000656 Liaison on Usage of CAMEL for IM subsystem. This document was postponed from agenda item 7.2.2 to this item for discussion.

TD SP-000675 IMS Principles. This was presented by Vodafone, and suggests some working principles:

1. The IMS should be designed for MM streams to allow operators to offer a diversity of new

services.

2. The IMS should evolve Post-Release 5 to provide for the user an interface that is at least as good as the Release 5 interface.
3. Ensure that service control logic can be separated from the service routeing logic. Vendor independence needs to be ensured and the interface should be open.
4. The separation of the functions needs to be adequate to allow the provision of existing services.

It was asked that the statement in point 2 should be separated out into 2 separate proposals. Point 3 was clarified as a wish to separate the function which routes service packets from the logic which does the service control, and to ensure that each of these functions could be bought from different vendors if required. The terminology “open” interface was clarified as technically open, rather than regulatorily open or that a third party can connect at the service control.

TD SP-000691 (revision of TD SP-000686) IM Subsystem development focus. This was presented by Telia and supports the position that the main goal for the IM Subsystem must be to focus on new services for the IM Subsystem, to ensure basic voice inter-working capability between users in PS and CS networks and to make interfaces as simple as possible, thus minimising vendor specific versions.

The TSG SA Chairman stated that all contributions seemed to say similar things and the main conflict was on the prioritisation of the work needed to realise the functionality. The TSG SA Chairman suggested that TSG SA should provide the interconnection on CS and PS domains for telephony and the service control aspects. There was some clarification on the requirement for using voice over CS related to Multimedia calls – to have the option to use the IMS to carry telephony as well as multimedia calls in order to maximise the Release 5 investment that will be needed by operators. In principle, a multimedia session can be defined as a single component session, including just voice. However Ericsson suggested that the voice-only case should not be something to concentrate upon, but the main focus should be on multimedia. BT agreed that the target is multimedia but the existing investment will require a focus on voice in order to migrate the existing users and enhance the service offering over time.

The TSG CN Chairman reported that they had approved a work item for transport from the IMS to the CS domain as this was considered to be a necessary part of the Release 5 requirements.

It was summarised that there would be a need for a call originated in the IMS domain to be terminated in the CS domain and that voice would be a component of the IMS. The need to study the service control aspects was generally agreed. It was also stated that services should be allowed to develop on a specific platform, instead of trying to specify the services themselves.

Conclusion:

It was agreed that we need to focus upon the provision of new services in order to provide the necessary capabilities. We will not specify the services themselves, but we need to produce both basic and advanced examples which can be used to verify that the capabilities are present. SA WG1 were asked to produce these examples.

It was agreed that the IMS shall support voice capabilities and it shall be possible to have basic voice calls between IMS users and users in the CS domain/PSTN-style networks.

Service control: There had been a position to create a new system for service control, and a position to utilise CAMEL for this.

Ericsson stated their position that CAMEL should not be assumed to be the mechanism, but not precluding that the two mechanisms could exist on the same service platform.

BT see the need for a new interface between the CSCF and IMS, which is not CAMEL and should not be called CAMEL. It would exploit some of the work that has gone into CAMEL. CAMEL could be used in the first instance for voice services for quick deployment and reuse of existing operators’ investments. There will be a need for the IMS platform to interwork with the CS network and CAMEL will have a role here. The new interface should be the focus of the work now.

Nortel Networks see 2 examples: CAMEL as a way to provide a transition for CS services into the IMS network, and CAMEL could be used between a Home and Visited network, which means embedding CAMEL into the core parts of the IMS, which would be difficult to remove. Large packages would be required with all-or-none support by networks.

Mannesmann stated that the re-use of CAMEL should be tempered against the possibility of a new system which may be cheaper and easier to operate; CAMEL should only be used if no better solution is available.

Vodafone proposed that there was not much difference between the above statements, and they do not talk about CAMEL in their proposal, but suggest that the end result is to know what is happening in the remote end and acting appropriately. SA WG1 should be asked to put this into the correct service context and specify the requirements, rather than the technical solution. The actual mechanism chosen was not important, but the end result is to have the necessary functionality.

The SA WG2 Chairman stated that agreement upon the requirements here would be useful for their work.

The proposal given in bullet item 3. of TD SP-000675 was considered and some modifications discussed to address all the positions stated. The following text was agreed for the service control of the IM Subsystem:

It must be possible to separate the logic which controls IP multimedia services from the SIP session control and the user plane

- Communication between the service control logic, the SIP session control and the user plane must be over open interfaces, to allow multi-vendor sourcing.
- The development of new logic and functions for the multi-media services will offer an opportunity for the improvement of the service creation environment. However the separation of the service control logic from the SIP session control and the user plane must also offer the possibility to re-use existing investment in control platforms, service logic design, subscriber databases, subscriber administration and billing systems which have been developed for existing services, where this is technically and economically viable.
- The use of multiple points of service control for the different components of an instance of IP multimedia session is a source of problems; SA WG2 are asked to take note of this in their choice of architecture.

SA WG1 and SA WG2 are encouraged to propose their own solution in line with the recommendations above.

A liaison statement containing the above text was produced in TD SP-000694 which was modified (as shown in this report) and provided in TD SP-000696 and approved.

TD SP-000565 Packet-switched Streaming Services (PSS); General Description (3G TS 26.233 version 1.0.0 Release 4). This was for information and introduced by Alain Sultan, MCC and was noted.

8.10 Beyond Current work plan (Vision, Phasing, etc.)

TD SP-000654 3G.IP Study on Architecture Enhancements Post Rel5. This was introduced by Mr. K. Holley, on behalf of 3G.IP. The SA WG2 Chairman proposed that his WG should finish their current work before studying solutions for future work. The understanding of the background of this document would be aided by finding out what the requirements were which led to the proposed architecture. The TSG SA Chairman suggested that TSG SA should examine the requirements before asking SA WG2 to go ahead and study the resulting architecture proposals. Mr. Holley stated that 3G.IP started from a brainstorming on the possibilities, rather than starting with requirements as done in 3GPP. The SA WG2 Chairman suggested that a second workshop should be set up to discuss the Post Rel5 architecture. It was noted that this was a technical solution and could be used when the requirements are known in 3GPP. Delegates were invited to study the proposals for future use.

8.11 Other issues

TD SP-000667 Workshop on "Assessing the requirements for Deploying Key 3 G Services". The UMTS Forum workshop was presented by Antonella Napolitano, BLU SpA. The objectives of the workshop were to Assess the requirements for deploying key 3G services. TSG SA noted this workshop.

9 Project Management

9.1 Review of work programme

There were no contributions under this agenda item. The work plan was generally reviewed under agenda item 8.

9.2 Working methods

TD SP-000613 (revision of TD SP-000506) CRs 011r1, 012r1 and 013r1 to 21.900. It was noted that CR013r1 had an error on the cover sheet, and was to TR 21.900. The document was corrected and provided in TD SP-000693. These CRs (011r1, 012r1 and 013r2) were approved.

9.3 Other issues

TD SP-000684 Status Report on IETF Activities from IETF Liaison. This was presented by G. Schlanger,

AT&T, and reported on the issues of interest at the IETF. The TSG RAN Chairman reported that there was a question from TSG RAN which was not dealt with in the report. It was felt that he should contact the liaison officer by e-mail in order to determine the status of this in the IETF. It was noted that the IETF dependency should be included in the 3GPP Work Plan, and MCC were asked to find a suitable method of flagging this. WG Chairmen were asked to then give relevant information to MCC. The report was noted and the liaison officer thanked for providing it.

TD SP-000679 Example Presentation. This was introduced by K. Holley and was noted. This can be used for presentations in 3GPP meetings.

10 Project support

TD SP-000678 Report of Support Team activities. The report was presented by Mr. A. Scrase, MCC. It was noted that Ban Al-Bakri would be leaving at the end of January and candidates for the post are required. Ban had provided invaluable support to MCC and was thanked for her dedication and hard work. It was reported that Michael Clayton will no longer be sponsored by the GSM Association and the SA WG1 Chairman had asked that efforts are made to keep his valuable expertise in MCC, negotiations are ongoing to obtain a new sponsor for him.

TSG SA were asked whether the PDF format for documents was useful. Around 50% of those present indicated that they used them. A request for Automatic document numbering to be extended to WG meetings. It was reported that a web-based system should be available some time in January for use by the working groups. The use of this locally at meetings is not currently possible. The report was then noted.

11 Postponed issues from earlier in the meeting

There were no items dealt with under this agenda item.

12 Work plan and future meetings

TD SP-000676 (revision of TD SP-000612) Calendar of meetings. This was introduced by Mr. A Scrase and asked TSG SA to confirm the dates for 2001 and to note the proposed dates for 2002. The dates were confirmed and the document noted.

TD S3-000464 contained a list of future meetings (some minor changes were announced, which are reflected in the table below). A summary of the future meeting dates are given below.

TSG	No.	Date	Venue	Host
GERAN	#03	15 - 19 January 2001	TBD	TBD
CN	#11	14 - 16 March 2001	Palm Springs, USA	T1
RAN	#11	14 - 16 March 2001	Palm Springs, USA	T1
T	#11	14 - 16 March 2001	Palm Springs, USA	T1
SA	#11	19 - 22 March 2001	Palm Springs, USA	T1
GERAN	#04	02 - 06 April 2001	TBD	TBD
GERAN	#05	28 May - 01 June 2001	TBD	TBD
CN	#12	13 - 15 June 2001	Stockholm, Sweden	Ericsson
RAN	#12	13 - 15 June 2001	Stockholm, Sweden	Ericsson
T	#12	13 - 15 June 2001	Stockholm, Sweden	Ericsson
SA	#12	18 - 21 June 2001	Stockholm, Sweden	Ericsson
GERAN	#06	27 - 31 August 2001	TBD	TBD
CN	#13	19 - 21 September 2001	TBD, China	Lucent Technologies, CWTS
RAN	#13	19 - 21 September 2001	TBD, China	Lucent Technologies, CWTS
T	#13	19 - 21 September 2001	TBD, China	Lucent Technologies, CWTS
SA	#13	24 - 27 September 2001	TBD, China	Lucent Technologies, CWTS
GERAN	#07	26 - 30 November 2001	TBD	TBD
CN	#14	12 - 14 December 2001	TBD, Japan	TTC
RAN	#14	12 - 14 December 2001	TBD, Japan	TTC
T	#14	12 - 14 December 2001	TBD, Japan	TTC
SA	#14	17 - 20 December 2001	TBD, Japan	TTC
CN	#15	<March 2002>	TBD, Korea	TTA
RAN	#14	<March 2002>	TBD, Korea	TTA
T	#14	<March 2002>	TBD, Korea	TTA
SA	#14	<March 2002>	TBD, Korea	TTA

TD SP-000677 Proposed Work Shop on Location Services. This was introduced by Mannesmann and proposed a workshop on LCS with the following Objectives:

- To provide background information on the existing service requirements, and architectures in GSM, GERAN, and UMTS, and
- To identify areas of divergence, and
- To reach agreement regarding the provision of functionally similar open interfaces and protocols within the 3GPP Specifications (UTRAN, GERAN, CN, SA), and
- To identify impacted specifications, and
- To reach agreement on the way forward with this initiative, and
- To make recommendations regarding work plan impacts.

The proposal for this workshop was approved earlier in the meeting and objectives of the workshop were approved. (Proposed date of the workshop: 11-12 January 2001)

TD SP-000xxx Letter from GERAN LCS group. This proposed co-locating the LCS workshop with their next meeting. The host of the workshop, Mr. A. Cox (Vodafone) was asked to consider this and respond quickly on the TSG SA and GERAN LCS e-mail lists.

Secretary's note: I CANNOT FIND THE ABOVE LETTER.

Workshop on UTRAN Evolution: It was suggested that this workshop could be co-located with the PLMN selection/cell selection and handover workshop. This would be checked with the host (planned for 1st week February 2001) and report to the TSG SA e-mail list.

13 Any other business

TD SP-000655 Generic Top Level Domain for mobile terminals and services. This was presented by Nokia and proposed that 3GPP Partners, its Members, and its Market Representation Partners are invited to act together and join in the founding members and promoters of the new mobile Top Level Domain. It was outside of the mandate of TSG SA to support such an activity, but TSG SA members may take note of the invitation. The document was therefore noted.

TD SP-000689 MSEQ Presentation. This was presented by C. Comps, Alcatel and gave an overview of the MSEQ market analysis and features, which was noted.

TD SP-000690 Specification MSEQ multimedia file format. This was presented by C. Comps, Alcatel and gave a complete technical specification of the MSEQ file format, which was noted. It was also noted that the MSEQ file format was available licence-free from Alcatel.

14 Close of meeting

The TSG SA Chairman thanked the hosts, Unisys, for the meeting facilities, the delegates for their co-operation and hard work during the meeting and closed the meeting.

Annex A: Co-ordinates of TSG and WG Officials

A.1 TSG SA Officials

Position	Name	Company	e-mail	Telephone	Fax	(Mobile Tel.)
TSG SA Officials:						
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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	
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Vice Chairman	Vacancy					
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TSG SA WG4 Officials:						
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Vice Chairman	Vacancy					
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TSG SA WG5 Officials:						
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Vice Chairman	Michael Truss	Motorola	trussm@cork.cig.mot.com	+353 21 511 327	+353 21 357 635	
Vice Chairman	Vacancy					
Secretary	Adrian Zoicas	3GPP Support Team	adrian.zoicas@etsi.fr	+33 4 92 94 42 21	+33 4 92 38 52 21	

A.2 TSG CN Officials

Position	Name	Company	e-mail	Telephone	Fax	(Mobile Tel.)
TSG CN Officials:						
Chairman	Stephen Hayes	Ericsson	stephen.hayes@ericsson.com	+1 972 583 5773	+1 972 644 3036	
Vice Chairman	Ian Park	Vodafone	ian.park@vf.vodafone.co.uk	+44 1635 673 527	+44 1635 233 562	
Vice Chairman	Hiroshi Nakamura	NTT DoCoMo	naka@nw.yrp.nttdocomo.co.jp	+81 468 40 3332	+81 468 40 3781	
Secretary	David Boswarthick	3GPP Support Team	david.boswarthick@etsi.fr	+33 4 92 94 42 78	+33 4 93 65 28 17	
TSG CN WG1 Officials:						
Chairman	Hannu Hietalahti	Nokia	hannu.hietalahti@nokia.com	+358 40 502 1724	+358 10 505 7999	
Vice Chairman	Andrew Howell	Motorola Ltd	andrew.howell@motorola.com	+44 1256 790 170	+44 1256 790 190	+44 77 85 363 850
Vice Chairman	Vacancy					
Secretary	Ban Al Bakri	3GPP Support Team	Ban.AlBakri@etsi.fr	+33 4 92 94 43 09	+33 4 93 65 28 17	
TSG CN WG2 Officials:						
Chairman	Keijo Palviainen	NOKIA	keijo.palviainen@nokia.com	+358 9 511 69669	+358 9 5112 9253	
Vice Chairman	Michel Grech	Lucent Technologies N. S. UK	grech@lucent.com	+44 1793 736 110	+44 1793 883 815	
Vice Chairman	Vacancy					
Secretary	Per J. Jorgensen	3GPP Support Team	PerJohan.Jorgensen@etsi.fr	+33 4 92 94 42 31	+33 4 93 65 28 17	
TSG CN WG3 Officials:						
Chairman	Norbert Klehn	Siemens	norbert.klehn@icn.siemens.de	+49 30 386 290 90	+49 30 386 44255	
Vice Chairman	Achim Braun	Alcatel	achim.braun@alcatel.de	+49 711 8214 1817	+49 711 8214 1177	
Vice Chairman	Vacancy					
Secretary	David Boswarthick	3GPP Support Team	david.boswarthick@etsi.fr	+33 4 92 94 42 78	+33 4 93 65 28 17	
TSG CN WG4 Officials:						
Chairman	Yun-Chao Hu	Ericsson	yun-chao.hu@ericsson.co.jp	+81 3 5216 9085	+81 3 5216 9047	
Vice Chairman	Teemu Mäkinen	Nokia	Teemu.Makinen@nokia.com	+358 405 077 283	+358 9 511 232 07	
Vice Chairman	Vacancy					
Secretary	Kimmo Kinnunen	3GPP Support Team	kimmo.kymalainen@etsi.fr	+33 4 92 94 42 38	+33 4 93 65 28 17	
TSG CN WG5 Officials:						
Chairman	Lucas Klostermann	ERICSSON L.M	lucas.klostermann@etm.111.se	+31 161 299 057	+31 161 247 742	
Vice Chairman	Chelo Abarca	ALCATEL France	chelo.abarca@alcatel.fr	+33 1 69 63 14 11	+33 1 69 63 17 89	
Vice Chairman	Vacancy					
Secretary	Per J. Jorgensen	3GPP Support Team	PerJohan.Jorgensen@etsi.fr	+33 4 92 94 42 31	+33 4 93 65 28 17	

A.3 TSG RAN Officials

Position	Name	Company	e-mail	Telephone	Fax	(Mobile Tel.)
TSG RAN Officials:						
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Vice Chairman	Francois Courau	Alcatel	francois.courau@alcatel.fr	+33 1 30 77 94 68	+33 1 30 67 94 30	+33 6 08 82 20 22
Vice Chairman	Donald Zelmer	Bell South	Don_Zelmer@bscc.bls.com	+1 404 249 3689	+1 404 249 5157	
Secretary	Hans van der Veen	3GPP Support Team	Hans.vanderVeen@etsi.fr	+33 4 92 94 42 61	+33 4 92 38 49 46	+33 6 74 40 83 64
TSG RAN WG1 Officials:						
Chairman	Antti Toskala	Nokia	Antti.Toskala@nokia.com	+358 9 511 38221	+358 9 511 38452	
Vice Chairman	Takehiro Nakamura	NTT DoCoMo	takehiro@wsp.yrp.nttdocomo.co.jp	+81 468 40 3190	+81 468 40 3840	
Vice Chairman	Vacancy					
Secretary	Shinobu Ikeda	3GPP Support Team	Shinobu.Ikeda@etsi.fr	+33 4 92 94 42 06	+33 4 93 65 28 17	
TSG RAN WG2 Officials:						
Chairman	Denis Fauconnier	Nortel	dfauconn@nortelnetworks.com	+33 1 39 44 52 87	+33 1 39 44 50 12	
Vice Chairman	Mikko Rinne	Nokia	mikko.j.rinne@research.nokia.com	+358 9 4376 6825	+358 9 4376 6856	
Vice Chairman	Vacancy					
Secretary	Hans van der Veen	3GPP Support Team	Hans.vanderVeen@etsi.fr	+33 4 92 94 42 61	+33 4 92 38 49 46	+33 6 74 40 83 64
TSG RAN WG3 Officials:						
Chairman	Per Willars	Ericsson	per.willars@era.ericsson.se	+46 70 652 1192	+46 8 404 9500	+46-8-7573448
Vice Chairman	Jean-Marie Calmel	Nortel	calmel@nortel.com	+33 1 39 44 52 82	+33 1 39 44 50 54	
Vice Chairman	Vacancy					
Secretary	Carolyn Taylor	3GPP Support Team	carolyn.taylor@etsi.fr	+33 4 92 94 43 52	+33 4 93 65 28 17	
TSG RAN WG4 Officials:						
Chairman	Howard Benn	Motorola	bennh@ecid.cig.mot.com	+44 1 793 566266	+44 1 793 566225	
Vice Chairman	Eisuke Fukuda	Fujitsu	e.fukuda@fujitsu.co.uk	+44 181 606 4473	+44 181 606 4539	
Vice Chairman	Vacancy					
Secretary	Cesar Gutierrez	3GPP Support Team	cesar.gutierrez@etsi.fr	+33 4 92 94 43 21	+33 4 92 38 52 59	
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Contact person	Nicola Magnani	CSELT	nicola.magnani@cselt.it	+39 011 228 7089	+39 011 228 5295	

A.4 TSG T Officials

Position	Name	Company	e-mail	Telephone	Fax	(Mobile Tel.)
TSG T Officials:						
Chairman	Sang-Keun Park	Samsung	skpark@khgw.info.samsung.co.kr	+82 331 280 9835	+82 331 280 1660	
Vice Chairman	Ed Ehrlich	Nokia	ed.ehrlich@nokia.com	+1 972 894 4495	+1 972 894 5525	
Vice Chairman	Kevin Holley	BT	kevin.holley@bt.com	+44 1473 605604	+44 1473 623794	
Secretary	Michael Sanders	3GPP Support Team	michael.sanders@etsi.fr	+33 4 9294 4290	+33 4 92 38 5290	
TSG T WG1 Officials:						
Chairman	Bjarke Nielsen	Qualcomm	bnielsen@qualcomm.com	+49 89 7414 0806	+49 8442 916 349	+49 170 5488 456
Vice Chairman	Peter George	Anritsu UK	peterg@anritsu.co.uk	+44 143 874 0011	+44 143 874 0202	
Vice Chairman	Vacancy					
Secretary	Lidia Salmeron	3GPP Support Team	lidia.salmeron@etsi.fr	+33 4 92 94 43 49	+33 4 93 65 28 17	
TSG T WG2 Officials:						
Chairman	Kevin Holley	BT	kevin.holley@bt.com	+44 1473 605604	+44 1473 623794	
Vice Chairman	Peter Neumann	Siemens	peter.neumann@mch.siemens.de	+49 89 72 23 67 18	+49 89 72 23 70 78	
Vice Chairman	Toshihiro Shimizu	Matsushita Communication	toshi.shimizu@mci.co.uk	+44 16 35 87 04 66	+44 16 35 87 13 45	
Secretary	Friedhelm Rodermund	3GPP Support Team	friedhelm.rodermund@etsi.fr	+33 4 92 94 43 24	+33 4 93 65 28 17	
TSG T WG3 Officials:						
Chairman	Klaus Vedder	Giesecke & Devrient	klaus.vedder@gdm.de	+49 89 4119 1542	+49 89 4119 1540	
Vice Chairman	Guenter Maringer	T-Mobil	guenter.maringer@t-mobil.de	+49 228 936 1249	+49 228 936 881249	
Vice Chairman	Vacancy					
Secretary	Michael Sanders	3GPP Support Team	michael.sanders@etsi.fr	+33 4 9294 4290	+33 4 92 38 5290	

A.5 TSG GERAN Officials

Position	Name	Company	e-mail	Telephone	Fax	(Mobile Tel.)
TSG GERAN Officials:						
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Vice Chairman	Michael Färber	Siemens	michael.faerber@icn.siemens.de	+49 89722 24935	+49 89722 24450	+49 171 334 0786
Vice Chairman	Marc Grant	SBC Communications	marc.grant@sbc.com	+1 512 372 5834	+1 512 372 5891	+1 925 3477
Secretary	Paolo Usai	3GPP Support Team	paolo.usai@etsi.fr	+33 4 92 94 42 36	+33 4 92 38 5206	+33 6 74 40 83 73
TSG GERAN WG1 Officials:						
Convenor	Niels Andersen	MOTOROLA	npa001@email.mot.com	+45 43 48 81 10	+45 43 48 80 01	+45 4018 4793
Vice Chairman	Vacancy					
Vice Chairman	Vacancy					
Secretary	Paolo Usai	3GPP Support Team	paolo.usai@etsi.fr	+33 4 92 94 42 36	+33 4 92 38 5206	+33 6 74 40 83 73
TSG GERAN WG2 Officials:						
Chairman	Bruno Landais	Alcatel France	Bruno.Landais@alcatel.fr	+33 6 70 03 20 65	+33 1 30 77 94 30	
Vice Chairman	Vacancy					
Vice Chairman	Vacancy					
Secretary	Gert Thomasen	3GPP Support Team	gert.thomasen@etsi.fr	+33 4 92 94 43 84	+33 4 93 65 28 17	
TSG GERAN WG3 Officials:						
Chairman	Äke Busin	Ericsson	ake.busin@era.ericsson.se	+46 8 757 2231	+46 8 404 5590	+46 8 757 2231
Vice Chairman	Vacancy					
Vice Chairman	Vacancy					
Secretary	Friedhelm Rodermund	3GPP Support Team	friedhelm.rodermund@etsi.fr	+33 4 92 94 43 24	+33 4 93 65 28 17	
TSG GERAN WG4 Officials:						
Chairman	Jean-Marc Recouvreux	Alcatel	jean-marc.recouvreux@alcatel.fr	+33 1 55 66 33 87	+33 1 55 66 64 02	
Vice Chairman	Tim Beard	Anite	tim.beard@anitetelecoms.com	+44 1252 775 337	+44 1252 775 299	
Vice Chairman	Vacancy					
Secretary	Lidia Salmeron	3GPP Support Team	lidia.salmeron@etsi.fr	+33 4 92 94 43 49	+33 4 93 65 28 17	

Annex B: List of documents

Number	Title	Source	Agenda item	Replaced by	Comment
SP-000500	Draft agenda for SA Meeting #10	Chairman			Approved
SP-000501	Draft report of SA meeting #09	Secretary			Approved
SP-000502	Application on external devices	GSM Certification Forum and EICTA CCIG			Noted
SP-000503	WITHDRAWN: Allocated in error			WITHDRAWN	-
SP-000504	WITHDRAWN: Allocated in error			WITHDRAWN	-
SP-000505	LS on Requirements for PLMN selection and reselection	RAN WG2			Workshop to be arranged by SA Chairman
SP-000506	Reserved for CR to 21.900	MCC		SP-000613	-
SP-000507	21.102 v1.1.0 "3rd Generation mobile system Release 4 Specifications"	MCC	8.8		Noted. MCC to upgrade of all R99 docs to Rel4, unless indicated otherwise by WGs
SP-000508	41.001 "GSM specification set (Release 4)"	MCC	8.8	SP-000614	-
SP-000509	Changes to stock text in the "References" clause of 3GPP specs	MCC	8.7	SP-000615	-
SP-000510	Change Requests raising a spec to a later Release	MCC	8.7	WITHDRAWN	-
SP-000511	Status report from SA WG5 to SA#10 (presentation) – Source: Chairman	SA WG5	7.5.1	SP-000671	-
SP-000512	Status report from SA WG5 to SA#10 (Word) – Source: Secretary	SA WG5	7.5.1		Noted
SP-000513	32.106-5 (v2.0.0) Configuration Management; Part 5: Basic Configuration Management IRP: Information Model Version 1 (Release 1999)	SA WG5	7.5.3		Approved (v3.0.0)
SP-000514	32.106-6 (v1.0.0) Configuration Management; Part 6: Basic Configuration Management IRP CORBA Solution Set Version 1:1	SA WG5	7.5.3		Approved (v3.0.0)
SP-000515	32.106-7 (v1.0.0) Configuration Management; Part 7: Basic Configuration Management IRP CMIP Solution Set Version 1:1	SA WG5	7.5.3		Approved (v3.0.0)
SP-000516	CRs to Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain (32.015)	SA WG5	7.5.3		Approved
SP-000517	CRs to 3G Performance Management (32.104)	SA WG5	7.5.3		Approved
SP-000518	CRs to Telecommunication Management; Configuration Management; Part 2: Notification Integration Reference Point; Information Service version 1 (32.106-2)	SA WG5	7.5.3		Approved
SP-000519	CRs to Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA Solution Set version 1:1 (32.106-3)	SA WG5	7.5.3		Approved
SP-000520	CRs to Telecommunications Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service (32.111-2)	SA WG5	7.5.3		Approved
SP-000521	CRs to Telecommunications Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1 (32.111-3)	SA WG5	7.5.3		Approved
SP-000522	CRs to 3G Telecom Management principles and high level requirements (32.101)	SA WG5	7.5.3		Approved
SP-000523	CRs to Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain (32.005)	SA WG5	7.5.3	SP-000699	CR002 rejected revised doc with other CRs
SP-000524	SA5 proposed Work-Plan & Work Items for Release 4/5	SA WG5	7.5.3		Approved
SP-000525	ITU-T SG 4 issues (WP 3/4 TMN wireless work, WP 4/4 TMN CORBA framework) – Source: Chairman	SA WG5	7.5.3		Endorsed
SP-000526	CR001 to 01.01	MCC	8.6		Approved
SP-000527	CR003 to 21.101	MCC	8.6		Approved
SP-000528	Specs status list prior to TSGs#10	MCC	8.6		Noted
SP-000529	Specs status list at end of TSG SA#10	MCC	8.6		completed after the meeting
SP-000530	Presentation of Status report from SA WG1 to SA#10	SA WG1 Chairman	7.1.1		Noted
SP-000531	Status report from SA WG1 to SA#10	SA WG1 Chairman	7.1.1		Noted

Number	Title	Source	Agenda item	Replaced by	Comment
SP-000532	CRs to 22.041 on Operator Determined Barring of Packet Oriented Services (R99)	SA WG1	7.1.3		Approved
SP-000533	CRs to 22.101 on Deleting Encrypted USIM-ME interface (R99)	SA WG1	7.1.3		Approved
SP-000534	CRs to 22.129 on Handover requirements (R99)	SA WG1	7.1.3		Approved
SP-000535	CR to 22.105 on Alignment of delay definition (R99)	SA WG1	7.1.3	SP-000683	-
SP-000536	CRs to 02.78 and 22.078 on Support of CAMEL Phase 1 and 2 (R97/98/99)	SA WG1	7.1.3		Approved
SP-000537	CRs to 22.078 on Introduction of GGSN Address (R99)	SA WG1	7.1.3		Approved
SP-000538	CRs to 22.078 to correct misalignments (R99)	SA WG1	7.1.3	SP-000658	-
SP-000539	CR to 22.101 on Subscription Check (R4)	SA WG1	7.1.3		Approved
SP-000540	CR to 22.003 on Removal of TS61 and TS62 in NT mode from GSM in Rel-4 and later releases (R4)	SA WG1	7.1.3	SP-000681	-
SP-000541	CRs to 22.038 on LS on USAT local link mechanism and impact on TS 22.038 (R4/R5)	SA WG1	7.1.3		Approved Security aspects to be checked
SP-000542	CRs to 22.060 for corrections (R4)	SA WG1	7.1.3		Approved
SP-000543	CR to 22.067 on Introduction of definition of called party pre-emption (R4)	SA WG1	7.1.3		Approved
SP-000544	CRs to 22.071 (R4)	SA WG1	7.1.3		Approved
SP-000545	CRs to 22.078 on mid call event (R5)	SA WG1	7.1.3		Approved
SP-000546	CRs to 22.101 on Support of UMTS AKA for GSM only mobiles (R4/R5)	SA WG1	7.1.3		Postponed for SA WG1/T WG1 impact analysis
SP-000547	CR to 22.105 on Correction to list of access dependent features (R4)	SA WG1	7.1.3		Approved
SP-000548	CR to 22.140 on Incorporating Instant Messaging Capabilities in MMS (R4)	SA WG1	7.1.3		Rejected
SP-000549	CRs to 21.905 on introduction of definitions and abbreviations (R4)	SA WG1	7.1.3	SP-000659	-
SP-000550	CRs to 02.68, 02.69, 42.068 and 42.069 to correction incorrect implementation of CR on CCBS interaction (R99/R4)	SA WG1	7.1.3		Approved
SP-000551	TS 22.127 “Service Requirement for the Open Services Access (OSA) Stage 1” version 2.0.0 for approval	SA WG1	7.1.3		Approved (v4.0.0)
SP-000552	TS 22.228 “Service requirements for the IP Multimedia Core Network Subsystem (Stage 1)” version 2.0.0 for approval	SA WG1	7.1.3		Approved (v5.0.0). Note: Emergency call needs elaboration in 22.101
SP-000553	Various WIDs for information and approval	SA WG1	7.1.3		Approved
SP-000554	TSG S4 Status Report at TSG-SA#10	SA WG4 Chairman	7.4.1		Noted.
SP-000555	Results of AMR Wideband (AMR-WB) Codec Selection Phase	SA WG4	7.4.3		Payment of labs for AMR WB Codec testing Approved
SP-000556	AMR Wideband Speech Codec; General Description (3G TS 26.171 version 1.0.0 Release 4)	SA WG4	7.4.1		Noted.
SP-000557	ANSI-C code for the Adaptive Multi Rate Wideband speech codec (3G TS 26.173 version 1.0.0 Release 4)	SA WG4	7.4.1		Noted.
SP-000558	AMR Wideband speech codec; Transcoding functions (3G TS 26.190 version 1.0.0 Release 4)	SA WG4	7.4.1	SP-000663	-
SP-000559	AMR Wideband Speech Codec; Error concealment of erroneous or lost frames (3G TS 26.191 version 1.0.0 Release 4)	SA WG4	7.4.1		Noted.
SP-000560	AMR Wideband Speech Codec; Comfort noise aspects (3G TS 26.192 version 1.0.0 Release 4)	SA WG4	7.4.1		Noted.
SP-000561	AMR Wideband Speech Codec; Source Controlled Rate operation (3G TS 26.193, version 1.0.0 Release 4)	SA WG4	7.4.1		Noted.
SP-000562	AMR Wideband speech codec; Voice Activity Detector (VAD) (3G TS 26.194 version 1.0.0 Release 4)	SA WG4	7.4.1		Noted.
SP-000563	AMR Wideband Speech Codec; Frame Structure (3G TS 26.201 version 1.0.0 Release 4)	SA WG4	7.4.1		Noted.
SP-000564	AMR wideband speech codec; Interface to Iu and Uu (3G TS 26.202 version 1.0.0 Release 4)	SA WG4	7.4.1		Noted.
SP-000565	Packet-switched Streaming Services (PSS); General Description (3G TS 26.233 version 1.0.0 Release 4)	SA WG4	7.4.1		Noted.
SP-000566	Packet-switched Streaming Services (PSS); Protocols and Codecs (3G TS 26.234 version 1.0.0 Release 4)	SA WG4	7.4.1		Noted.

Number	Title	Source	Agenda item	Replaced by	Comment
SP-000567	Packet Switched Conversational Multimedia Applications; Default Codecs (3G TS 26.235 version 1.0.0 Release 4)	SA WG4	7.4.1		Noted.
SP-000568	In-band Tandem Free Operation (TFO) of Speech Codecs; Stage 3 - Service Description; (3G TS 28.062 version 1.0.0 Release 4)	SA WG4	7.4.1		Noted.
SP-000569	Cellular Text Telephone Modem; General Description (3G TS 26.226 version 2.0.0 Release 5)	SA WG4	7.4.3		Approved (v4.0.0)
SP-000570	Cellular Text Telephone Modem; Transmitter Bit Exact C-Code (3G TS 26.230 version 2.0.0 Release 5)	SA WG4	7.4.3		Approved (v4.0.0)
SP-000571	Cellular Text Telephone Modem; Minimum Performance Requirements (3G TS 26.231 version 1.0.0 Release 5)	SA WG4	7.4.1		Noted.
SP-000572	CRs 06.51 - A009 to A 013 on Definition of the homing frame for the alternative EFR implementation (Phase 2 until R99)	SA WG4	7.4.3		Approved
SP-000573	CRs 06.54 - A007 to A011 on Correction to the test vectors of the alternative EFR version (Phase 2 until R99)	SA WG4	7.4.3		Approved
SP-000574	CRs TS 06.93 & TS 26.093 on Re-scheduling of stolen SID_UPDATE frames for AMR and clarification of Hangover period after Handover (R98 until Release 4)	SA WG4	7.4.3		Approved
SP-000575	CR TS 26.102 - 005 on AMR interface to Iu (R99)	SA WG4	7.4.3		Approved
SP-000576	CRs TS 26.103 004 to 006 (all Release 4)	SA WG4	7.4.3		Approved
SP-000577	CRs TS 26.104 - 001-002 on "AMR speech Codec; Floating point C-Code" (R99 and Release 4)	SA WG4	7.4.3		Approved
SP-000578	CR TS 26.111 - 005 rev1 on MPEG4 visual simple profile @ level 0 (R99)	SA WG4	7.4.3	SP-000653	-
SP-000579	CRs TS 26.911 - 006 to 008 on Annex K submodes of H.263 video codec for 3G-H324 specification + correction (R99 and Release 4)	SA WG4	7.4.3		Approved
SP-000580	Deliverables from the 3G AMR-NB testing laboratories	SA WG4	7.4.1, 7.4.3		Approved (payment of AMR NB testing labs)
SP-000581	Test vectors associated to 06.54 (SP-000573)	SA WG4	7.4.3		Approved as part of SP-000573
SP-000582	Test sequences associated to TS 26.231 (SP-000571)	SA WG4	7.4.3	WITHDRAWN	-
SP-000583	Invitation to send contributions to the TR 21.905 (3GPP Vocabulary)	SA WG1			Noted. Feasibility on merging 41.004 with 21.905 to be studied
SP-000584	LS on TR 21.905: Vocabulary for 3GPP Specifications	T WG1	8.3		RAN WG4 rapporteur to review and contact responsible people
SP-000585	Convergence of QoS approaches in 3GPP and TIPHON	ETSI EP TIPHON			Noted. SA WG1/SA WG2 to consider for alignment of QoS
WITHDRAWN	WITHDRAWN			WITHDRAWN	-
SP-000587	CRs on 23.002	SA WG2	7.2.3		Approved
SP-000588	CRs on 23.060	SA WG2	7.2.3		Approved
SP-000589	CRs on 23.101	SA WG2	7.2.3	SP-000668	-
SP-000590	CRs on 23.127	SA WG2	7.2.3		Approved (Cat F)
SP-000591	CRs on 23.107	SA WG2	7.2.3		Approved
SP-000592	CRs on 23.121	SA WG2	7.2.3		Approved
SP-000593	CRs on 23.171	SA WG2	7.2.3		Approved
SP-000594	TS 23.207 v.1.0.0: "End-to-End QoS Concept and Architecture"	SA WG2	7.2.3		Noted
SP-000595	TS 23.221 v.1.0.0: "Architectural requirements"	SA WG2	7.2.3		Noted
SP-000596	TS 23.271 v.2.0.0: "Functional stage 2 description of LCS"	SA WG2	7.2.3		Approved (v4.0.0)
SP-000597	TR 23.873 v.0.4.0 on Split Architecture	SA WG2	7.2.3		Noted
SP-000598	TS 23.228 v.1.4.0 on IM Subsystem with list of open issues	SA WG2	7.2.3		Noted

Number	Title	Source	Agenda item	Replaced by	Comment
SP-000599	LS and WI on Open LCS Interfaces in UMTS and GERAN	SA WG2	7.2.3	SP-000685	-
SP-000600	Revised WI on FS of an Architecture for Push Services	SA WG2	7.2.3	SP-000669	-
SP-000601	WI on Mobile IP Enhancements	SA WG2	7.2.3	WITHDRAWN	-
SP-000602	Work Plan version Dec. 5th	MCC	7		Noted
SP-000603	MCC review of the Work Plan	MCC	7	SP-000674	-
SP-000604	Work Plan Change Tracking Procedures	MCC	7		Noted
SP-000605	TE&I generic WI	MCC	7		Priciple agreed. Mechanism should be made easy to use
SP-000606	Requirements For Release 5 IM Sub-system	BT	5		Conclusion reported under 8.9
SP-000607	The use of CAMEL for the Release 5 IM Sub-system	BT	5		Conclusion reported under 8.9
SP-000608	3G.IP Study on Architecture Enhancements Post R5	BT	6.2	WITHDRAWN	-
SP-000609	Design objectives of the IP Multimedia Subsystem Release 5, A comparison of views	BT	5		Conclusion reported under 8.9
SP-000610	GERAN Status Report#2	GERAN	8.4.1		Noted
SP-000611	Withdrawn			WITHDRAWN	-
SP-000612	Calendar of meetings	MCC	12	SP-000676	-
SP-000613	CR to 21.900	MCC		SP-000693	-
SP-000614	41.102 "GSM specification set (Release 4)"	MCC	8.8		Noted that the tables are to be merged into a new layout
SP-000615	Changes to stock text in the "References" clause of 3GPP specs	MCC	8.7		Approved. WG/TSG officials to check references to their docs.
SP-000616	LS on Discussion document on UE functionality split over physical devices	T WG2		SP-000632	-
SP-000617	Services Interworking for the IM Subsystem	Nortel Networks	8.9		Conclusion reported under 8.9
SP-000618	Work Item Description for Release 4: ODB (Operator Determined Barring for PS Domain)	NEC	6.1		Need for this work was confirmed
SP-000619	Work Item Description: Intra Domain Connection of RAN Nodes to Multiple CN Nodes: Overall System Architecture	Vodafone	9.1		Approved
SP-000620	SA WG3 Status Report to TSG SA#10	SA WG3 Chairman	7.3.1		Noted
SP-000621	Report of SA WG3 ad-hoc meeting and draft report of meeting #16	SA WG3 Chairman	7.3.1		Noted
SP-000622	LS from SA WG3: Security risks in introduction phase of MAP security	SA WG3	7.3.2		Add text to MAP sec spec to advise danger of roaming to operators not implementing MAPSec
SP-000623	CRs 002 and 003 to 03.33: Addition of parameters to the X3-Interface	SA WG3	7.3.3		Approved (Cat F, A)
SP-000624	CRs 004 and 005 to 03.33: Deletion of mono-mode and addition of optimal routeing	SA WG3	7.3.3	SP-000670	-
SP-000625	CR001 to 33.107: Addition of parameters to the X3-Interface	SA WG3	7.3.3		Approved
SP-000626	6 CRs to 33.102	SA WG3	7.3.3		Approved
SP-000627	CR015 to 33.105: Layer 2 related corrections	SA WG3	7.3.3		Approved
SP-000628	Revised WI: FIGS/IST work item description	SA WG3	7.3.3		Approved
SP-000629	33.909 v1.0.0: Report on the Evaluation of 3GPP Standard Confidentiality and Integrity Algorithms	SA WG3	7.3.3		Approved (v3.0.0)
SP-000630	SAGE deliverables 1, 2, 3 & 4	SA WG3	7.3.3		Del. 1, 3 & 4 Approved (v3.0.0). Del 2 revised in SP-000673. **MCC to send to Org Partners**

Number	Title	Source	Agenda item	Replaced by	Comment
SP-000631	Letter from editor of TS 33.200 / TR 33.800 to SA WG3 Chairman concerning delay	SA WG3 Chairman	7.3.1		Noted
SP-000632	LS on Discussion document on UE functionality split over physical devices (rev of SP-000616)	T WG2	8.3		SA WG1/T WG2 to look at the requirements and work organisation, SA WG3 to study the security impacts
SP-000633	Broadcasting and Multimedia convergence - Presentation	Centro Ricerche e Innovazione Tecnologica	6.3	SP-000640	-
SP-000634	Draft Report of 3GPP PCG#5	Chairman	6.3		Noted
SP-000635	Draft Report of 3GPP OP#4	Chairman	6.3		Noted
SP-000636	Text of draft RFC describing the 3GPP/IETF collaboration, as submitted to IETF process	Chairman	6.3		Noted Ileana Leuca appointed IETF collaboration rapporteur
SP-000637	LS from CN on maintenance of TS 23.127	TSG CN	8.1		Noted
SP-000638	LS from CN on intersystem roaming	TSG CN	8.1		CN to take note of this in specifying the protocol and procedures for PAR
SP-000639	LS from TSG T on T WG1 work programme for Rel4 and Rel5	TSG T	6.1		All WGs to check their WP for conformance testing requirements and report to T WG1
SP-000640	Relationship between 3GPP and the "DVB"	TSG SA Chairman	6.3		Noted. DVB should identify standardisation requirements
SP-000641	IP Multimedia/Multiple Application/Telephony Usage Aspects	Ericsson	5		Conclusion reported under 8.9
SP-000642	Analysis of design criteria for IMS in R5	Ericsson	5		Conclusion reported under 8.9
SP-000643	Design objective of the IP Multimedia Subsystem Release 5, a comparison of views.	Ericsson	5		Conclusion reported under 8.9
SP-000644	Design Objectives for IM in R5: Points to Consider	Alcatel	5		Conclusion reported under 8.9
SP-000645	Invitation to send contributions to the TR 21.905 (3GPP Vocabulary)	SA1	7.1.1	WITHDRAWN	-
SP-000646	Reply to LS on Operator Determined Barring of Packet Oriented Services (N4-001080)	SA1	7.1.3		Noted
SP-000647	Report of Workshop on Service Vision and Scenarios	SA1	5		Noted
SP-000648	Announcement of Workshop on UTRAN Evolution	RAN Drafting Group	8.2.2		Noted
SP-000649	CN Status Report#10	CN	8.1		Noted
SP-000650	CN Status Report#10 (Slides Presentation)	CN	8.1		Presented/noted
SP-000651	LS on Terminal Capabilities	T WG2	8.3.1		LS to be forwarded to SA WG1 for analysis
SP-000652	T#10 Status Report	TSG T	8.3.1		Presented/noted
SP-000653	CR TS 26.111 - 005 rev1 on MPEG4 visual simple profile @ level 0 (R99)	SA WG4	7.4.3		Approved
SP-000654	3G.IP Study on Architecture Enhancements Post R5	BT	6.2		Noted Delegates asked to study proposals
SP-000655	Generic Top Level Domain for mobile terminals and services	Nokia	13		Noted
SP-000656	Liaison on Usage of CAMEL for IM subsystem	SA2 drafting meeting	7.2.1		Conclusion reported under 8.9

Number	Title	Source	Agenda item	Replaced by	Comment
SP-000657	TS 27.104 v. 0.1.1 Objects and other constructs for use in data synchronisation	TSG T	8.3.1		Noted
SP-000658	CRs to 22.078 to correct misalignments (R99)	SA WG1	7.1.3	SP-000698	-
SP-000659	CRs to 21.905 on introduction of definitions and abbreviations (R4)	SA WG1	7.1.3		Approved
SP-000660	SA2 status report to SA#10	SA WG2 Chairman	7.2.1		Presented/noted
SP-000661	Discussion document on UE functionality split over physical devices	TSG-T2	8.3.1	WITHDRAWN	-
SP-000662	Liaison statement – GPRS Roaming problem	GSM Association – IREG GPRS Working Party	8.1		Noted
SP-000663	AMR Wideband speech codec; Transcoding functions (3G TS 26.190 version 1.0.0 Release 4)	SA WG4	7.4.1		Noted
SP-000664	Slides Presentation SA WG3 Status Report to TSG SA#10	SA WG3 Chairman	7.3.1		Presented/noted
SP-000665	TSG-RAN#10 Meeting Report	RAN Chairman	8.2.1		Presented/noted
SP-000666	GPRS Attach/registration Reject causes	Blu S.p.A.	8.1.1		Noted
SP-000667	Workshop on "Assessing the requirements for Deploying Key 3 G Services"	UMTS Forum 3GPP CG Chairperson	8.11		Workshop noted
SP-000668	CR 23.101 Incorporation of the UE definition	Alcatel		SP-000695	-
SP-000669	Revised WI on FS of an Architecture for Push Services	SA WG2	7.2.3		Approved
SP-000670	CRs 004 and 005 to 03.33: Deletion of mono-mode and addition of optimal routeing	SA WG3	7.3.3		Approved
SP-000671	Status report from SA WG5 to SA#10 (presentation) – Source: Chairman	SA WG5	7.5.1		Presented/noted
SP-000672	Unfinished items proposed for inclusion in Rel-4	TSG-RAN	8.8		Noted **All to concentrate on the Release 4 open items**
SP-000673	SAGE Deliverable_2_Milenage_doc1_v1_1	SA WG3	7.3.3		Approved (v3.0.0)
SP-000674	MCC review of the Work Plan	MCC	7		Noted
SP-000675	IMS Principles	Vodafone, Mannesmann	8.9		Conclusion reported under 8.9
SP-000676	Calendar of meetings	MCC	12		The dates were confirmed (Noted)
SP-000677	Proposed Work Shop on Location Services	Mannesmann, Pacific Bell Wireless	12		Objectives of workshop approved
SP-000678	Report of Support Team activities	MCC (Adrian Scrase)	12		Noted
SP-000679	Example Presentation	Kevin Holley	12		Noted
SP-000680	CRs to TS 23.127	TSG CN	8.1.1		Approved
SP-000681	CR to 22.003 on Removal of TS61 and TS62 in NT mode from GSM in Rel-4 and later releases (R4)	SA WG1	7.1.3	SP-000687	-
SP-000682	CR to 22.078 to correct misalignments (R99)	SA WG1	7.1.3	SP-000688	-
SP-000683	CR to 22.105 on Alignment of delay definition (R99)	SA WG1	7.1.3		Approved
SP-000684	Status Report on IETF Activities from IETF Liaison_	AT&T (Ileana Leuca)	9.3		Noted
SP-000685	LS and WI on Open LCS Interfaces in UMTS and GERAN	SA WG2	7.2.3		WI description approved. Workshop agreed
SP-000686	IM Subsystem development focus	Telia AB	8.9	SP-000691	-
SP-000687	CR to 22.003 on Removal of TS61 and TS62 in NT mode from GSM in Rel-4 and later releases (R4)	SA WG1	7.1.3		Approved
SP-000688	CR to 22.078 to correct misalignments (R99)	SA WG1	7.1.3	SP-000698	-
SP-000689	MSEQ Presentation	Alcatel	13		Presented/noted
SP-000690	Specification MSEQ multimedia file format	Alcatel	13		Noted
SP-000691	IM Subsystem development focus	Telia AB	8.9		Conclusion reported under 8.9
SP-000692	Work Plan version Dec. 13th	MCC			Error corrected. Rel4 Work Plan in Annex G
SP-000693	CR to 21.900	MCC			Approved
SP-000694	Proposed Liaison statement on IP Multimedia sessions	Vodafone	8.9	SP-000696	-
SP-000695	CR 23.101 Incorporation of the UE definition Revision 3	Alcatel		SP-000697	-
SP-000696	Liaison statement on IP Multimedia sessions	SA WG	8.9		Approved
SP-000697	CR 23.101 Incorporation of the UE definition Revision 3	Alcatel			Approved

Number	Title	Source	Agenda item	Replaced by	Comment
SP-000698	CRs to 22.078 to correct misalignments (R99) - (Final set from SP-000538)	SA WG1	7.1.3		Approved (created after meeting with approved CRs)
SP-000699	CRs to Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain (32.005)	SA WG5	7.5.3		Approved (created after meeting with approved CRs)

Annex C: List of attendees and TSG SA Voting List

C.1 List of Attendees

The attached list has not been verified: Please check that your attendance is recorded here:

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Mr. Keiichi Nakayama	ARIB	k-naka@arib.or-jp	+81 3 3592 1103		+81 3 3510 8594	3GPPORG_REP	
Ms. Antonella Napolitano	BLU S.p.a	antonella.napolitano@mail.blu.it		+39 380 5023666	+39 06 59449 521	3GPPMEMBER	IT
Dr. Peter Neumann	SIEMENS AG	peter.neumann@mch.siemens.de	+49 17 28 90 44 28	+49 89 72 23 67 18	+49 89 72 23 70 78	3GPPMEMBER	DE
Mr. Bjarke Nielsen	QUALCOMM EUROPE S.A.R.L.	bnielsen@qualcomm.com	+49 89 1705488 456	+49 89 74140806	+49 89 7414 0808	3GPPMEMBER	DE
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Mr. Ian David Chalmers Park	VODAFONE Group Plc	ian.park@vf.vodafone.co.uk	+44 7785 300 290	+44 1635 673527	+44 1635 233562	3GPPMEMBER	GB
Mr. Hannu Pirila	NOKIA Corporation	hannu.i.pirila@nokia.com		+358 10 505 4536	+358 10 505 4770	3GPPMEMBER	FI
Mr. Mario Polosa	BLU S.p.a	mpolosa@mail.blu.it		+39 06 59 44 94 78	+39 06 59 44 95 21	3GPPMEMBER	IT
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Dr. Gary Schlanger	AT&T Corp.	gschlanger@home.com	+1 973 454 7230	+1 973 736 5348	+1 603 676 9637	3GPPMEMBER	US
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C.2 List of eligible Voting members for TSG SA#11

The attached list is dependent upon the information in C.1 and Individual Member companies who are recorded as attending TSG SA Meetings #09 or #08 (representation of an Individual Member at any of TSG SA Meetings #08, #09 or #10).

Voting list for 3GPP TSG SA
(Technical Specification Group - Services and System Aspects)

List Created on: 20 Dec 2000

This report shows the 3GPP Member Companies on the Voting List for **TSG SA Meeting #11**
Inclusion on the list is obtained by attending a meeting of **TSG SA**
A company is removed from this list if it is not represented at any of the 3 previous meetings of this group.
If you believe your company should be included in this list, please provide supporting information to MCC, the 3GPP Support Team at: 3gppcontact@etsi.fr

Organisation Name	Organisation Status	Partner
3COM	3GPPMEMBER	ETSI
Accord Networks (UK) Ltd	3GPPMEMBER	ETSI
AirNet Communications Corp.	3GPPMEMBER	ETSI
AIRTEL Movil SA	3GPPMEMBER	ETSI
ALCATEL BELL	3GPPMEMBER	ETSI
ALCATEL France	3GPPMEMBER	ETSI
ALCATEL SEL AG	3GPPMEMBER	ETSI
AT&T Corp.	3GPPMEMBER	T1
Beijing Pacific LinkAir Communications, Inc.	3GPPMEMBER	CWTS
Bellsouth Cellular	3GPPMEMBER	T1
BLU S.p.a	3GPPMEMBER	ETSI
BUNDESMINISTERIUM FUR WIRTSCHAFT	3GPPMEMBER	ETSI
BOUYGUES Telecom	3GPPMEMBER	ETSI
BT	3GPPMEMBER	ETSI
BT Cellnet	3GPPMEMBER	ETSI
CATT	3GPPMEMBER	CWTS
CEGETEL	3GPPMEMBER	ETSI
CETECOM GmbH - Certification and Testing in Communications	3GPPMEMBER	ETSI
China Mobile Company Corporation (CMCC)	3GPPMEMBER	CWTS
Cisco Systems Inc.	3GPPMEMBER	ETSI
Cisco Systems Inc.	3GPPMEMBER	T1
CMG Telecommunications & Utilities B.V.	3GPPMEMBER	ETSI
COMNEON GmbH & Co	3GPPMEMBER	ETSI
COMPAQ Computer SpA	3GPPMEMBER	ETSI
Conexant Systems, Inc.	3GPPMEMBER	T1
DACOM Corporation	3GPPMEMBER	TTA
Dansk MobilTelefon I/S	3GPPMEMBER	ETSI
DDI Corporation Japan	3GPPMEMBER	ARIB
Deutsche Telekom MobilNet GmbH	3GPPMEMBER	ETSI
diAx Telecommunications	3GPPMEMBER	ETSI
DoCoMo Europe S.A.	3GPPMEMBER	ETSI
DTI - Department of Trade and Industry	3GPPMEMBER	ETSI
E-PLUS Mobilfunk	3GPPMEMBER	ETSI
ERA-GSM POLSKA TELEFONIA CYFROWA SP. Z O.O.	3GPPMEMBER	ETSI
Ericsson Incorporated	3GPPMEMBER	T1
Ericsson Korea	3GPPMEMBER	TTA
Telefon AB LM Ericsson	3GPPMEMBER	ETSI
Electronics & Telecommunications Research Institute	3GPPMEMBER	TTA
FEEI - Fachverband der Elektro- und Elektronikindustrie Bereich Technik	3GPPMEMBER	ETSI
Finnet Group	3GPPMEMBER	ETSI
France Telecom R&D	3GPPMEMBER	ETSI
FUJITSU Europe Telecom R & D Centre	3GPPMEMBER	ETSI
Fujitsu Limited	3GPPMEMBER	ARIB
Fujitsu Limited	3GPPMEMBER	TTC
GIESECKE & DEVRIENT GmbH	3GPPMEMBER	ETSI
Golden Bridge Technology Inc.	3GPPMEMBER	T1
HEWLETT-PACKARD France	3GPPMEMBER	ETSI
Hutchison 3G UK Limited	3GPPMEMBER	ETSI
HYUNDAI ELECTRONICS INDUSTRIES	3GPPMEMBER	TTA
IAEI - Israel Association of Electronics Industries	3GPPMEMBER	ETSI
ICP - Instituto das Comunicacoes de Portugal	3GPPMEMBER	ETSI
Integrated Information & Communication Systems GmbH	3GPPMEMBER	ETSI
InterWAVE Communications International B.V.	3GPPMEMBER	ETSI
Japan Telecom Co. Ltd	3GPPMEMBER	ARIB
Korea Telecom Corp.	3GPPMEMBER	TTA
Korea Telecom Freetel	3GPPMEMBER	TTA
KPN - Koninklijke PTT Nederland NV	3GPPMEMBER	ETSI

Voting list for 3GPP TSG SA
(Technical Specification Group - Services and System Aspects)

List Created on: 20 Dec 2000

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3gppcontact@etsi.fr

Organisation Name	Organisation Status	Partner
LG Technology Center Europe	3GPPMEMBER	ETSI
LG Information & Communications	3GPPMEMBER	TTA
Lucent Technologies	3GPPMEMBER	T1
Lucent Technologies Network System GmbHs	3GPPMEMBER	ETSI
Lucent Technologies Business Communications Systems & Micro Electronics GmbH	3GPPMEMBER	ETSI
Lucent Technologies EMEA B.V.	3GPPMEMBER	ETSI
Lucent Technologies Japan Ltd.	3GPPMEMBER	TTC
Lucent Technologies Network Systems UK	3GPPMEMBER	ETSI
MANNESMANN Mobilfunk GmbH	3GPPMEMBER	ETSI
MARCONI COMMUNICATIONS	3GPPMEMBER	ETSI
MATAV Hungarian Telecommunications Company Limited	3GPPMEMBER	ETSI
Materna GmbH	3GPPMEMBER	ETSI
Matsushita Communication Industrial Co, Ltd	3GPPMEMBER	ARIB
MAX.MOBIL. TELEKOMMUNIKATION SERVICE GMBH	3GPPMEMBER	ETSI
MICROSOFT EUROPE SARL	3GPPMEMBER	ETSI
ISTITUTO SUPERIORE DELLE COMUNICAZIONI E DELLE TECNOLOGIE DELL' INFORMAZIONE	3GPPMEMBER	ETSI
Mitsubishi Electric Co.	3GPPMEMBER	ARIB
MITSUBISHI Electric Telecom Europe S.A.	3GPPMEMBER	ETSI
MOTOROLA A/S	3GPPMEMBER	ETSI
Motorola Electronics & Communications Inc.,	3GPPMEMBER	TTA
MOTOROLA GmbH	3GPPMEMBER	ETSI
Motorola Inc.	3GPPMEMBER	T1
MOTOROLA INDIA ELECTRONICS LTD	3GPPMEMBER	ETSI
MOTOROLA Ltd	3GPPMEMBER	ETSI
MOTOROLA S.A.	3GPPMEMBER	ETSI
MOTORAOLA SEMICONDUCTOR ISRAEL LTD	3GPPMEMBER	ETSI
NATIONAL RADIOCOMMUNICATIONS AGENCY	3GPPMEMBER	ETSI
NEC Corporation	3GPPMEMBER	ARIB
NEC Corporation	3GPPMEMBER	TTC
NOKIA Corporation	3GPPMEMBER	ETSI
Nokia Telecommunications Inc.	3GPPMEMBER	T1
NOKIA UK Ltd	3GPPMEMBER	ETSI
Nortel Networks (USA)	3GPPMEMBER	T1
NORTEL NETWORKS (EUROPE)	3GPPMEMBER	ETSI
Norwegian Post and Telecommunications Authority	3GPPMEMBER	ETSI
National Transcommunications Ltd	3GPPMEMBER	ETSI
Nippon Telegraph and Telephone Corporation (NTT)	3GPPMEMBER	TTC
NTT MOBILE COMMUNICATIONS NETWORK INC.	3GPPMEMBER	ARIB
NTT Mobile Communications Network, Inc. (NTT DoCoMo)	3GPPMEMBER	TTC
OKI Electric Europe GmbH	3GPPMEMBER	ETSI
OKi Electric Industry Co., Ltd	3GPPMEMBER	ARIB
OMNITEL Pronto Italia SpA	3GPPMEMBER	ETSI
One 2 One Personal Commmunications Limited	3GPPMEMBER	ETSI
ORANGE PCS LTD	3GPPMEMBER	ETSI
Pacific Bell Wireless	3GPPMEMBER	T1
PANASONIC Deutschland GmbH c/o Matsushita European Technology Center (E-TEC)	3GPPMEMBER	ETSI
PHILIPS CONSUMER COMMUNICATION	3GPPMEMBER	ETSI
Portugal Telecom SA	3GPPMEMBER	ETSI
Polska Telefonia Komorkowa CENTERTEL Sp.z.o.o.	3GPPMEMBER	ETSI
QUALCOMM EUROPE S.A.R.L.	3GPPMEMBER	ETSI
RadioScape Limited	3GPPMEMBER	ETSI
RITT	3GPPMEMBER	CWTS
SAGEM Group	3GPPMEMBER	ETSI
SAMSUNG Electronics Research Institute	3GPPMEMBER	ETSI
Samsung Electronics Ind. Co., Ltd.	3GPPMEMBER	TTA
SBC Communications Inc.	3GPPMEMBER	T1
SCHLUMBERGER Automatic Test Equipment	3GPPMEMBER	ETSI
Secrétariat d'Etat à l'Industrie	3GPPMEMBER	ETSI
SHARP Corporation	3GPPMEMBER	ARIB
SIEMENS AG	3GPPMEMBER	ETSI
SIEMENS ATEA NV	3GPPMEMBER	ETSI
SIEMENS Information and Communication Networks SpA	3GPPMEMBER	ETSI

Voting list for 3GPP TSG SA
(Technical Specification Group - Services and System Aspects)

List Created on: 20 Dec 2000

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A company is removed from this list if it is not represented at any of the 3 previous meetings of this group.
If you believe your company should be included in this list, please provide supporting information to MCC, the 3GPP Support Team at:
3gppcontact@etsi.fr

Organisation Name	Organisation Status	Partner
Siemens K.K.	3GPPMEMBER	ARIB
Siemens K.K.	3GPPMEMBER	TTC
SONERA Corporation	3GPPMEMBER	ETSI
SONY Corporation	3GPPMEMBER	ARIB
SWISSCOM SA	3GPPMEMBER	ETSI
SYMMETRY COMMUNICATIONS SYSTEMS INC.	3GPPMEMBER	ETSI
SYNOPSYS GmbH	3GPPMEMBER	ETSI
TEKTRONIX GmbH & Co KG	3GPPMEMBER	ETSI
Telcordia Technologies Inc.	3GPPMEMBER	T1
TELECOM ITALIA S.p.A.	3GPPMEMBER	ETSI
Telecom Modus Limited	3GPPMEMBER	ETSI
TELEFONICA DE ESPAÑA SA	3GPPMEMBER	ETSI
Telekom Austria Aktiengesellschaft	3GPPMEMBER	ETSI
Telelogic AB	3GPPMEMBER	ETSI
Telenor AS	3GPPMEMBER	ETSI
TELIA AB	3GPPMEMBER	ETSI
Telrad Networks Ltd.	3GPPMEMBER	ETSI
Universite Libre de Bruxelles	3GPPMEMBER	ETSI
Unisys Deutschland GmbH	3GPPMEMBER	ETSI
VIP-NET GSM d.o.o.	3GPPMEMBER	ETSI
Vodafone Belgium S.A/N.V.	3GPPMEMBER	ETSI
VODAFONE Group Plc	3GPPMEMBER	ETSI
VoiceStream Wireless Corporation	3GPPMEMBER	T1
WAVECOM SA	3GPPMEMBER	ETSI
WIND TELECOMUNICAZIONI SPA	3GPPMEMBER	ETSI
Zhongxing Telecom Ltd.	3GPPMEMBER	CWTS

Annex D: Status list of Specifications and Reports after TSG SA Meeting #10 ("December 2000 Release")

TO BE ADDED

3GPP Specifications and reports

GSM Release 1999 onwards specifications and reports

Annex E: List of Change Requests and their status after TSG SA Meeting #10

MAY BE UPDATED

E.1 CRs from SA WG1:

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-000545	22.078	073		5.0.0	Rel-5	Criteria for the Mid-Call event detection point	approved	C	5.1.0	CAMEL; Stage 1
SP-000534	22.129	016		4.0.0	Rel-4	Handover requirements	approved	A	4.1.0	Handover Requirements between UMTS and GSM or other Radio Systems
SP-000537	22.078	066		4.0.0	Rel-4	Introduction of GGSN Address	approved	A	4.1.0	CAMEL; Stage 1
SP-000659	21.905	005	1	4.0.0	Rel-4	Inclusion of GSM 01.04 v 7.0.0 acronyms and abbreviations in the vocabulary	approved	B	4.1.0	3G Vocabulary
SP-000698	22.078	062	5	3.5.0	R99	Alignment with stage 2 & 3, and editorial clarification	approved	F	3.6.0	CAMEL; Stage 1
SP-000546	22.101	061		5.0.0	Rel-5	Support of UMTS AKA for GSM only mobiles	withdrawn	B		UMTS Service principles
SP-000683	22.105	029		4.0.0	Rel-4	Alignment of delay definition	approved	A	4.1.0	Services & Service capabilities
SP-000687	22.003	004	1	4.0.0	Rel-4	Removal of TS61 and TS62 in NT mode from GSM in Rel-4 and later releases	approved	C	4.1.0	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)
SP-000541	22.038	007		5.0.0	Rel-5	LS on USAT local link mechanism and impact on TS 22.038	approved	B	5.1.0	SIM application toolkit (SAT); Stage 1
SP-000547	22.105	029		4.0.0	Rel-4	Correction to list of access dependent features.	approved	B	4.1.0	Services & Service capabilities
SP-000537	22.078	067		5.0.0	Rel-5	Introduction of GGSN Address	approved	A	5.1.0	CAMEL; Stage 1
SP-000540	22.003	004		4.0.0	Rel-4	Removal of TS61 and TS62 in NT mode from GSM in Rel-4 and later releases	revised	C		Circuit Teleservices supported by a Public Land Mobile Network (PLMN)
SP-000536	22.078	071		3.5.0	R99	Support of CAMEL Phase 1 and 2	approved	A	3.6.0	CAMEL; Stage 1
SP-000537	22.078	065		3.5.0	R99	Introduction of GGSN Address	approved	F	3.6.0	CAMEL; Stage 1
SP-000532	22.041	003		3.1.0	R99	Operator Determined Barring of Packet Oriented Services	approved	F	3.2.0	Operator Determined Call Barring
SP-000698	22.078	063		5.0.0	Rel-5	Introduction of Call Party Handling	approved	B	5.1.0	CAMEL; Stage 1
SP-000688	22.078	062	4	3.5.0	R99	Alignment with stage 2 & 3, and editorial clarification	revised	F		CAMEL; Stage 1
SP-000538	22.078	062	3	3.4.1	R99	Alignment with stage 2 & 3, and editorial clarification	withdrawn	F		CAMEL; Stage 1
SP-000549	21.905	005		3.2.0	Rel-4	Inclusion of GSM 01.04 v 7.0.0 acronyms and abbreviations in the vocabulary	withdrawn	B		3G Vocabulary
SP-000544	22.071	021		4.1.0	Rel-4	Location Service Request	approved	B	4.2.0	Location Services (LCS); Stage 1
SP-000536	02.78	A042		6.4.0	R97	Support of CAMEL Phase 1 and 2	approved	F	6.5.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service definition (Stage 1)
SP-000542	22.060	019		4.1.0	Rel-4	Removal of PTM-G service	approved	A	4.2.0	General Packet Radio Service (GPRS); Stage 1
SP-000532	22.041	004		3.1.0	Rel-4	Operator Determined Barring of Packet Oriented Services	approved	B	4.0.0	Operator Determined Call Barring
SP-000550	42.069	001		4.0.1	Rel-4	Correction of implementation of Clarification of interaction with CCBS service	approved	A	4.1.0	Voice Broadcast Service (VBS) - Stage 1
SP-000541	22.038	006		4.0.0	Rel-4	LS on USAT local link mechanism and impact on TS 22.038	approved	B	4.1.0	SIM application toolkit (SAT); Stage 1
SP-000659	21.905	004		4.0.0	Rel-4	Introduces ASCI definition	approved	B	4.1.0	3G Vocabulary
SP-000543	22.067	002		3.0.1	Rel-4	Introduces definition of called party pre-emption	approved	B	4.0.0	enhanced Multi-Level Precedence and Pre-emption service (eMLPP) - Stage 1
SP-000539	22.001	005		4.0.0	Rel-4	Subscription Check	approved	B	4.1.0	Principles of CircuitTelecommunication Services Supported by a Public Land Mobile Network (PLMN)

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-000658	22.078	074		5.0.0	Rel-5	Introduction of IP multimedia sessions control in CAMEL Phase 4	withdrawn	B		CAMEL; Stage 1
SP-000546	22.101	060		4.1.0	Rel-4	Support of UMTS AKA for GSM only mobiles	withdrawn	B		UMTS Service principles
SP-000548	22.140	003		4.0.1	Rel-4	Incorporating Instant Messaging Capabilities in MMS	rejected	B		Multimedia Messaging Service Stage 1
SP-000533	22.101	057		3.11.0	R99	Deleting Encrypted USIM-ME interface	approved	F	3.12.0	UMTS Service principles
SP-000683	22.105	028		3.9.0	R99	Alignment of delay definition	approved	F	3.10.0	Services & Service capabilities
SP-000533	22.101	059		5.0.0	Rel-5	Deleting Encrypted USIM-ME interface	approved	A	5.1.0	UMTS Service principles
SP-000550	02.69	A015		8.0.0	R99	Correction of implementation of Clarification of interaction with CCBS service	approved	F	8.1.0	Voice Broadcast Service (VBS) - Stage 1
SP-000544	22.071	020		4.1.0	Rel-4	Periodic Location Reporting	approved	B	4.2.0	Location Services (LCS); Stage 1
SP-000544	22.071	023		4.1.0	Rel-4	Addition of achieved location information accuracy with reference to TS 23.032	approved	C	4.2.0	Location Services (LCS); Stage 1
SP-000533	22.101	058		4.1.0	Rel-4	Deleting Encrypted USIM-ME interface	approved	A	4.2.0	UMTS Service principles
SP-000538	22.078	072		3.4.1	R99	Removal of Volume charging for GPRS Session	withdrawn	F		CAMEL; Stage 1
SP-000544	22.071	022		4.1.0	Rel-4	Periodic Location Reporting amendment	approved	C	4.2.0	Location Services (LCS); Stage 1
SP-000542	22.060	020		4.1.0	Rel-4	Push Service	approved	C	4.2.0	General Packet Radio Service (GPRS); Stage 1
SP-000535	22.105	028		3.9.0	R99	Alignment of delay definition	revised	A		Services & Service capabilities
SP-000534	22.129	015		3.4.0	R99	Handover requirements	approved	F	3.5.0	Handover Requirements between UMTS and GSM or other Radio Systems
SP-000550	42.068	001		4.0.1	Rel-4	Correction of implementation of Clarification of interaction with CCBS service	approved	A	4.1.0	Voice Group Call Service (VGCS) - Stage 1
SP-000544	22.071	019		4.1.0	Rel-4	Privacy Exception List	approved	B	4.2.0	Location Services (LCS); Stage 1
SP-000698	22.078	072	1	3.5.0	R99	Removal of Volume charging for GPRS Session	approved	F	3.6.0	CAMEL; Stage 1
SP-000550	02.68	A014		8.0.0	R99	Correction of implementation of Clarification of interaction with CCBS service	approved	F	8.1.0	Voice Group Call Service (VGCS) - Stage 1
SP-000536	02.78	A043		7.0.0	R98	Support of CAMEL Phase 1 and 2	approved	A	7.1.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service definition (Stage 1)
SP-000545	22.078	068		5.0.0	Rel-5	Enhancement to the Mid Call event to include out band information	approved	B	5.1.0	CAMEL; Stage 1

E.2 CRs from SA WG2:

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-000588	23.060	191	3	3.5.0	R99	Clarification of derivation of TEID	approved	F	3.6.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-000593	23.171	005		3.1.0	R99	Adding a chapter "MT-LR without HLR Query - applicable to North America Emergency Calls only" to TS 23.171	approved	B	3.2.0	Functional stage 2 description of location services in UMTS
SP-000588	23.060	194		3.5.0	R99	LS on MS Network Capability Conflict	approved	F	3.6.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-000680	23.127	042		3.2.0	R99	getCriteria has superfluous assignmentID parameter.	approved	F	3.3.0	Virtual Home Environment - Stage 2
SP-000591	23.107	036		3.4.0	R99	Streaming Delay Attribute	approved	D	3.5.0	Quality of Service, Concept and Architecture
SP-000587	23.002	024		5.0.0	Rel-5	CAMEL for the PS domain	approved	F	5.1.0	Network Architecture
SP-000592	23.121	063		3.4.0	R99	Removal of Combined update towards the HLR for a combined 3G (MSC/VLR+SGSN) configuration	approved	F	3.5.0	Architecture Requirements for release 99

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-000588	23.060	189		3.5.0	R99	Correction of the definition of class-C mobile	approved	F	3.6.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-000587	23.002	023		4.0.0	Rel-4	CAMEL for the PS domain	approved	F	4.1.0	Network Architecture
SP-000588	23.060	190	1	3.5.0	R99	Correction of Fig. 5 and Fig. 13	approved	F	3.6.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-000591	23.107	033		3.4.0	R99	Scope of TS23.107	approved	D	3.5.0	Quality of Service, Concept and Architecture
SP-000591	23.107	035		3.4.0	Rel-4	Scope of TS23.107	approved	D	4.0.0	Quality of Service, Concept and Architecture
SP-000588	23.060	184		3.5.0	R99	Clarification of Routing Area update in PMM-Connected mode	approved	F	3.6.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-000588	23.060	188	1	3.5.0	R99	Adding security parameters to SGSN MM Context	approved	F	3.6.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-000589	23.101	001	1	3.0.1	R99	CR on UE/MS definitions	revised	F		General UMTS Architecture
SP-000587	23.002	026	1	4.0.0	Rel-4	Introduction of Iu-CS and Iu-PS interfaces to BSS of type GERAN in the network architecture for REL-4	approved	B	4.1.0	Network Architecture
SP-000680	23.127	040		3.2.0	R99	Removal of the parameter service Properties in the method selectService	approved	F	3.3.0	Virtual Home Environment - Stage 2
SP-000588	23.060	196		3.5.0	R99	Removal of mapping Priority property in CS into QoS	approved	F	3.6.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-000695	23.101	001	3	3.0.1	R99	CR on UE/MS definitions	revised	F		General UMTS Architecture
SP-000588	23.060	183	2	3.5.0	R99	MS permanent (static) PDP address allocation by External PDN	approved	F	3.6.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-000591	23.107	039		3.4.0	Rel-4	Asymmetric Transfer Delay	approved	F	4.0.0	Quality of Service, Concept and Architecture
SP-000588	23.060	192		3.5.0	R99	Addition of the Camel Application Part interface to logical architecture.	approved	F	3.6.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-000590	23.127	019		3.2.0	R99	Alignment with 29.198 in getTerminalCapabilities()	approved	F	3.3.0	Virtual Home Environment - Stage 2
SP-000697	23.101	001	4	3.0.1	R99	CR on UE/MS definitions	approved	F	3.1.0	General UMTS Architecture
SP-000587	23.002	022		3.3.0	R99	CAMEL for the PS domain	approved	F	3.4.0	Network Architecture
SP-000588	23.060	185		3.5.0	R99	Correction to the Inters system change procedures	approved	F	3.6.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-000588	23.060	195	2	3.5.0	R99	Dynamic IP v6 address allocation	approved	F	3.6.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-000668	23.101	001	2	3.0.1	R99	CR on UE/MS definitions	revised	F		General UMTS Architecture
SP-000680	23.127	041		3.2.0	R99	Missing setCallBackWithSessionID	approved	F	3.3.0	Virtual Home Environment - Stage 2

E.3 CRs from SA WG3:

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-000626	33.102	130		3.6.0	R99	Re-transmission of authentication request using the same quintet	approved	F	3.7.0	Security Architecture
SP-000624	03.33	004		7.1.0	R98	Deletion of mono-mode and addition of optimal routeing	revised	F		Lawful Interception - stage 2
SP-000623	03.33	002		7.1.0	R98	Addition of parameters to the X3-Interface	approved	F	7.2.0	Lawful Interception - stage 2
SP-000626	33.102	129		3.6.0	R99	Corrections on ciphering and integrity protection	approved	F	3.7.0	Security Architecture
SP-000627	33.105	015		3.5.0	R99	Layer 2 related corrections	approved	F	3.6.0	Cryptographic Algorithm requirements
SP-000626	33.102	131		3.6.0	R99	Corrections to Counter Check procedure	approved	F	3.7.0	Security Architecture

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-000626	33.102	132		3.6.0	R99	Intersystem handover for CS Services – from GSM BSS to UTRAN	approved	F	3.7.0	Security Architecture
SP-000626	33.102	133		3.6.0	R99	Correction on use of GSM MS classmark in UMTS	approved	F	3.7.0	Security Architecture
SP-000624	03.33	005		8.0.0	R99	Deletion of mono-mode and addition of optimal routeing	revised	A		Lawful Interception - stage 2
SP-000626	33.102	134		3.6.0	R99	START value handling for MS with a GSM SIM inserted	approved	F	3.7.0	Security Architecture
SP-000623	03.33	003		8.0.0	R99	Addition of parameters to the X3-Interface	approved	A	8.1.0	Lawful Interception - stage 2
SP-000670	03.33	004	1	7.1.0	R98	Deletion of mono-mode and addition of optimal routeing	approved	F	7.2.0	Lawful Interception - stage 2
SP-000670	03.33	005	1	8.0.0	R99	Deletion of mono-mode and addition of optimal routeing	approved	A	8.1.0	Lawful Interception - stage 2
SP-000625	33.107	001		3.0.0	R99	Addition of parameters to the X3-Interface	approved	F	3.1.0	Lawful interception architecture and functions

E.4 CRs from SA WG4:

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-000572	06.51	A009		4.1.0	Ph2	Definition of the homing frame for the alternative EFR implementation	approved	F	4.2.0	GSM Enhanced full rate speech processing functions: General description
SP-000573	06.54	A007		4.1.0	Ph2	Correction to the test vectors of the alternative EFR version	approved	F	4.2.0	Test sequences for the GSM Enhanced Full Rate (EFR)
SP-000575	26.102	005	1	3.1.0	R99	AMR interface to Iu	approved	F	3.2.0	AMR speech Codec; Interface to Iu and Uu
SP-000573	06.54	A011		8.1.0	R99	Correction to the test vectors of the alternative EFR version	approved	A	8.2.0	Test sequences for the GSM Enhanced Full Rate (EFR)
SP-000576	26.103	004		3.0.0	Rel-4	Introduction of Codec Type Bit-Map for Codec Negotiation	approved	B	4.0.0	Codec lists
SP-000572	06.51	A012		7.1.0	R98	Definition of the homing frame for the alternative EFR implementation	approved	A	7.2.0	GSM Enhanced full rate speech processing functions: General description
SP-000576	26.103	005		3.0.0	Rel-4	Introduction of Selected Codec Type for Codec Negotiation	approved	B	4.0.0	Codec lists
SP-000574	26.093	004		3.2.0	Rel-4	Re-scheduling of stolen SID_UPDATE frames for AMR (Part 2)	approved	A	4.0.0	AMR speech Codec; Source Controlled Rate operation
SP-000574	26.093	006		3.2.0	Rel-4	Re-scheduling of stolen SID_UPDATE frames by SID_FIRST frames for AMR	approved	A	4.0.0	AMR speech Codec; Source Controlled Rate operation
SP-000653	26.111	005	1	3.3.0	R99	MPEG4 visual simple profile @ level 0	approved	F	3.4.0	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324
SP-000573	06.54	A008		5.2.0	R96	Correction to the test vectors of the alternative EFR version	approved	A	5.3.0	Test sequences for the GSM Enhanced Full Rate (EFR)
SP-000572	06.51	A013		8.1.0	R99	Definition of the homing frame for the alternative EFR implementation	approved	A	8.2.0	GSM Enhanced full rate speech processing functions: General description
SP-000573	06.54	A010		7.1.0	R98	Correction to the test vectors of the alternative EFR version	approved	A	7.2.0	Test sequences for the GSM Enhanced Full Rate (EFR)
SP-000577	26.104	002		3.0.0	Rel-4	AMR Core Frame bit ordering (AMR speech Codec; Floating point C-Code)	approved	A	4.0.0	AMR speech Codec; Floating point C-Code
SP-000572	06.51	A010		5.2.0	R96	Definition of the homing frame for the alternative EFR implementation	approved	A	5.3.0	GSM Enhanced full rate speech processing functions: General description
SP-000572	06.51	A011		6.1.0	R97	Definition of the homing frame for the alternative EFR implementation	approved	A	6.2.0	GSM Enhanced full rate speech processing functions: General description
SP-000574	26.093	003	1	3.2.0	R99	Re-scheduling of stolen SID_UPDATE frames for AMR (Part 2)	approved	A	3.3.0	AMR speech Codec; Source Controlled Rate operation

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-000576	26.103	006		3.0.0	Rel-4	Clarification for the use of the Codec List Information Element	approved	F	4.0.0	Codec lists
SP-000574	06.93	A009	1	7.4.0	R98	Re-scheduling of stolen SID_UPDATE frames for AMR (Part 2)	approved	F	7.5.0	Discontinuous Transmission (DTX) for Adaptive Multi-Rate speech traffic channels
SP-000574	26.093	005		3.2.0	R99	Re-scheduling of stolen SID_UPDATE frames by SID_FIRST frames for AMR Clarification of Hangover period after Handover	approved	A	3.3.0	AMR speech Codec; Source Controlled Rate operation
SP-000579	26.911	007		3.2.1	Rel-4	Annex K submodes of H.263 video codec for 3G-H324 specification	approved	A	4.0.0	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide
SP-000579	26.911	006	1	3.2.1	R99	Annex K submodes of H.263 video codec for 3G-H324 specification	approved	F	3.3.0	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide
SP-000579	26.911	008		3.2.1	R99	Editorial changes due to Correction of TS 26.111	approved	F	3.3.0	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide
SP-000577	26.104	001		3.0.0	R99	AMR Core Frame bit ordering (AMR speech Codec; Floating point C-Code)	approved	F	3.1.0	AMR speech Codec; Floating point C-Code
SP-000573	06.54	A009		6.1.0	R97	Correction to the test vectors of the alternative EFR version	approved	A	6.2.0	Test sequences for the GSM Enhanced Full Rate (EFR)
SP-000574	06.93	A010		7.4.0	R98	Re-scheduling of stolen SID_UPDATE frames by SID_FIRST frames for AMR Clarification of Hangover period after Handover	approved	F	7.5.0	Discontinuous Transmission (DTX) for Adaptive Multi-Rate speech traffic channels

E.5 CRs from SA WG5:

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-000518	32.106-2	001		3.1.0	R99	Consistent description of Event types and Extended event types	approved	F	3.2.0	Telecommunication Management; Configuration Management; Part 2: Notification Integration Reference Point; Information Service version 1
SP-000520	32.111-2	003		3.2.0	R99	Incorrect modifiable attributes	approved	F	3.3.0	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service
SP-000520	32.111-2	004		3.2.0	R99	Add acknowledgement information to getAlarmList result	approved	F	3.3.0	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service
SP-000516	32.015	014		3.3.0	R99	Ambiguities in Packet Transfer Command IE & Data Record Packet IE	approved	F	3.4.0	Telecommunications Management; Charging and billing; GSM call and event data for the Packet Switched (PS) domain
SP-000516	32.015	013		3.3.0	R99	Alignment of Triggers for S-CDR closure	approved	F	3.4.0	Telecommunications Management; Charging and billing; GSM call and event data for the Packet Switched (PS) domain
SP-000516	32.015	015		3.3.0	R99	Inconsistency of Charging Characteristic size	approved	F	3.4.0	Telecommunications Management; Charging and billing; GSM call and event data for the Packet Switched (PS) domain
SP-000516	32.015	019		3.3.0	R99	Correction of ASN.1 errors	approved	F	3.4.0	Telecommunications Management; Charging and billing; GSM call and event data for the Packet Switched (PS) domain

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-000521	32.111-3	001	1	3.2.0	R99	Allow “Structured Event Filterable Body Fields” to be absent if parameters are not used	approved	F	3.3.0	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1
SP-000518	32.106-2	002		3.1.0	R99	Correction of parameter inconsistency in operation unsubscribe	approved	F	3.2.0	Telecommunication Management; Configuration Management; Part 2: Notification Integration Reference Point; Information Service version 1
SP-000521	32.111-3	005		3.2.0	R99	Inconsistent qualifiers	approved	F	3.3.0	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1
SP-000516	32.015	017		3.3.0	R99	Correction of parameter CallEventRecord	approved	F	3.4.0	Telecommunications Management; Charging and billing; GSM call and event data for the Packet Switched (PS) domain
SP-000519	32.106-3	001	1	3.1.0	R99	Add pragma statement to Notification IRP IDL	approved	F	3.2.0	Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1
SP-000520	32.111-2	005		3.2.0	R99	Identification of valid Event Types and Extended Event Types within Notifications	approved	F	3.3.0	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service
SP-000522	32.101	006		3.2.0	R99	Update references to allow both CORBA Versions 2.1 and 2.3	approved	F	3.3.0	3G Telecom Management principles and high level requirements
SP-000521	32.111-3	002	1	3.2.0	R99	Specific behaviour of the Iterator	approved	F	3.3.0	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1
SP-000699	32.005	004		3.2.0	R99	Correction of parameter CallEventRecord	approved	F	3.3.0	Telecommunications Management; Charging and billing; GSM call and event data for the Circuit Switched (CS) domain
SP-000519	32.106-3	004		3.1.0	R99	Ensure consistency with IDL exception	approved	F	3.2.0	Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1
SP-000519	32.106-3	003		3.1.0	R99	Spelling Errors in the CORBA IDL	approved	F	3.2.0	Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1
SP-000517	32.104	008		3.3.0	R99	Clarification of measurement definition template	approved	F	3.4.0	3G Performance Management
SP-000520	32.111-2	007		3.2.0	R99	Inconsistent behaviour for cleared not yet acknowledged alarms	approved	F	3.3.0	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service
SP-000516	32.015	016		3.3.0	R99	Alignment of ASN.1 for QoS attributes	approved	F	3.4.0	Telecommunications Management; Charging and billing; GSM call and event data for the Packet Switched (PS) domain
SP-000699	32.005	003		3.2.0	R99	Correction of parameter Location Area and Cell	approved	F	3.3.0	Telecommunications Management; Charging and billing; GSM call and event data for the Circuit Switched (CS) domain
SP-000516	32.015	018		3.3.0	R99	Correction of parameter Location Area and Cell	approved	F	3.4.0	Telecommunications Management; Charging and billing; GSM call and event data for the Packet Switched (PS) domain
SP-000519	32.106-3	002		3.1.0	R99	Correction of IDL Errors	approved	F	3.2.0	Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-000520	32.111-2	006		3.2.0	R99	A cleared Alarm shall be given perceived severity "Cleared" and nothing else	approved	F	3.3.0	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service
SP-000523	32.005	002		3.2.0	R99	Support 3G CS by adding "system type" parameter to CDRs (same as in 3G PS)	rejected	F		Telecommunications Management; Charging and billing; GSM call and event data for the Circuit Switched (CS) domain

E.6 CRs from TSG level:

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-000526	01.01	001		8.0.0	R99	Update list of R99 specs	approved	F	8.1.0	GSM R99 Specification set
SP-000693	21.900	013	2	3.4.0	R99	Release mechanisms	approved	F	3.5.0	3GPP Working methods
SP-000693	21.900	011	1	3.4.0	R99	Release numbers appearing in CR cover sheets	approved	F	3.5.0	3GPP Working methods
SP-000527	21.101	003		3.1.0	R99	Update list of R99 specs	approved	F	3.2.0	3rd Generation mobile system Release 1999 Specifications
SP-000506	21.900	011		3.4.0	R99	Release numbers appearing in CR cover sheets	revised	F		3GPP Working methods
SP-000693	21.900	012	1	3.4.0	R99	Clarification of the "freezing" of specifications	approved	F	3.5.0	3GPP Working methods

Annex F: Status of all 3GPP CRs after TSG SA #10 Meeting

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
GP-000547	05.02	A167		8.6.0	R99	Correction of NIB behaviour in COMPACT		F	8.7.0	Multiplexing and Multiple Access on the Radio Path	G1
GP-000841	05.02	A167	1	8.6.0	R99	Correction of NIB behaviour in COMPACT	rejected	F	8.7.0	Multiplexing and Multiple Access on the Radio Path	G1
GP-000570	05.02	A168		8.6.0	R99	Clarification of mapping of PDTCH and PCCCH		F	8.7.0	Multiplexing and Multiple Access on the Radio Path	G1
GP-000803	05.02	A168	1	8.6.0	R99	Clarification of mapping of PDTCH and PCCCH	agreed	F	8.7.0	Multiplexing and Multiple Access on the Radio Path	G1
GP-000572	05.02	A169		7.5.0	R98	Editorial corrections	agreed	F	7.6.0	Multiplexing and Multiple Access on the Radio Path	G1
GP-000573	05.02	A170		8.6.0	R99	Editorial corrections	agreed	F	8.7.0	Multiplexing and Multiple Access on the Radio Path	G1
GP-000575	05.02	A171		8.6.0	R99	Possible multislot configurations for GPRS		F	8.7.0	Multiplexing and Multiple Access on the Radio Path	G1
GP-000805	05.02	A171	1	8.6.0	R99	Possible multislot configurations for GPRS	agreed	F	8.7.0	Multiplexing and Multiple Access on the Radio Path	G1
GP-000540	05.03	A043		8.5.0	R99	Correction of errors in coding schemes	agreed	F	8.6.0	Channel Coding	G1
GP-000541	05.05	A174		8.6.0	R99	NER requirements for EGPRS		F	8.7.0	Radio Transmission and Reception	G1
GP-000845	05.05	A174	1	8.6.0	R99	NER requirements for EGPRS		F	8.7.0	Radio Transmission and Reception	G1
GP-000906	05.05	A174	2	8.6.0	R99	NER requirements for EGPRS	agreed	F	8.7.0	Radio Transmission and Reception	G1
GP-000543	05.05	A175		8.6.0	R99	Tolerance of BTS output power levels		F	8.7.0	Radio Transmission and Reception	G1
GP-000853	05.05	A175	1	8.6.0	R99	Tolerance of BTS output power levels	agreed	F	8.7.0	Radio Transmission and Reception	G1
GP-000671	05.05	A177		8.6.0	R99	Alignment of AM suppression requirements for PCS 1900 MS	agreed	F	8.7.0	Radio Transmission and Reception	G1
GP-000672	05.05	A178		8.6.0	R99	Testing of Blocking requirements for MXM 1900 BSS		F	8.7.0	Radio Transmission and Reception	G1
GP-000855	05.05	A178	1	8.6.0	R99	Testing of Blocking requirements for MXM 1900 BSS		F	8.7.0	Radio Transmission and Reception	G1
GP-000908	05.05	A178	2	8.6.0	R99	Testing of Blocking requirements for MXM 1900 BSS	agreed	F	8.7.0	Radio Transmission and Reception	G1
GP-000673	05.05	A179		8.6.0	R99	Testing of Intra BSS intermodulation attenation requirements for MXM 1900 BSS	agreed	F	8.7.0	Radio Transmission and Reception	G1
GP-000808	05.05	A180		8.6.0	R99	Alignment of AM suppression requirement for PCS 1900, MXM 1900, and PCS 1800 BTS		F	8.7.0	Radio Transmission and Reception	G1
GP-000549	05.08	A299		8.6.0	R99	EGPRS Channel Quality Report reporting period		C	8.7.0	Radio Subsystem Link Control	G1
GP-000843	05.08	A299	1	8.6.0	R99	EGPRS Channel Quality Report reporting period	agreed	C	8.7.0	Radio Subsystem Link Control	G1
GP-000577	05.08	A300		8.6.0	R99	GPRS neighbour cell measurement exceptions	agreed	F	8.7.0	Radio Subsystem Link Control	G1
GP-000579	05.08	A301		8.6.0	R99	Corrections to Handover and Cell re-selection		F	8.7.0	Radio Subsystem Link Control	G1
GP-000801	05.08	A301	1	8.6.0	R99	Corrections to Handover and Cell re-selection		F	8.7.0	Radio Subsystem Link Control	G1
GP-000904	05.08	A301	2	8.6.0	R99	Corrections to Handover and Cell re-selection	agreed	F	8.7.0	Radio Subsystem Link Control	G1
GP-000762	05.08	A302		8.6.0	R99	Corrections to Enhanced Measurement Reporting		F	8.7.0	Radio Subsystem Link Control	G1
GP-000871	05.08	A302	1	8.6.0	R99	Corrections to Enhanced Measurement Reporting	agreed	F	8.7.0	Radio Subsystem Link Control	G1
GP-000765	05.08	A303		8.6.0	R99	Maximum number of neighbour cell carriers to be monitored by the MS		F	8.7.0	Radio Subsystem Link Control	G1
GP-000873	05.08	A303	1	8.6.0	R99	Maximum number of neighbour cell carriers to be monitored by the MS	agreed	F	8.7.0	Radio Subsystem Link Control	G1
GP-000847	05.08	A304		7.5.0	R98	Discontinuous transmission		D	7.6.0	Radio Subsystem Link Control	G1

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GP-000876	05.08	A304	1	7.5.0	R98	Discontinuous transmission	agreed	D	7.6.0	Radio Subsystem Link Control	G1
GP-000848	05.08	A305		8.6.0	R99	Discontinuous transmission		A	8.7.0	Radio Subsystem Link Control	G1
GP-000877	05.08	A305	1	8.6.0	R99	Discontinuous transmission	agreed	A	8.7.0	Radio Subsystem Link Control	G1
GP-000851	05.08	A306		8.6.0	R99	Measurement requirements for COMPACT MS in the case of multislot allocation	agreed	F	8.7.0	Radio Subsystem Link Control	G1
GP-000650R	05.08	A307		8.6.0	R99	GPRS cell reselection with Packet Measurement Order		F	8.7.0	Radio Subsystem Link Control	G1
GP-000882R	05.08	A307	1	8.6.0	R99	GPRS cell reselection with Packet Measurement Order	agreed	F	8.7.0	Radio Subsystem Link Control	G1
GP-000857	05.09	A013		7.3.0	R98	Clarification on decision thresholds		F	7.4.0	Link Adaptation	G1
GP-000879	05.09	A013	1	7.3.0	R98	Clarification on decision thresholds	agreed	F	7.4.0	Link Adaptation	G1
GP-000858	05.09	A014		8.1.0	R99	Clarification on decision thresholds		A	8.2.0	Link Adaptation	G1
GP-000880	05.09	A014	1	8.1.0	R99	Clarification on decision thresholds	agreed	A	8.2.0	Link Adaptation	G1
GP-000859	05.09	A015		7.3.0	R98	Alignment of ACS change with Layer 3 signalling		F	7.4.0	Link Adaptation	G1
GP-000901	05.09	A015	1	7.3.0	R98	Alignment of ACS change with Layer 3 signalling	agreed	F	7.4.0	Link Adaptation	G1
GP-000860	05.09	A016		8.1.0	R99	Alignment of ACS change with Layer 3 signalling		A	8.2.0	Link Adaptation	G1
GP-000902	05.09	A016	1	8.1.0	R99	Alignment of ACS change with Layer 3 signalling	agreed	A	8.2.0	Link Adaptation	G1
GP-000565	05.10	A062		5.3.0	R96	Corrections to synchronized handover	agreed	F	5.4.0	Radio Subsystem Synchronization	G1
GP-000566	05.10	A063		6.6.0	R97	Corrections to synchronized handover	agreed	A	6.7.0	Radio Subsystem Synchronization	G1
GP-000567	05.10	A064		7.3.0	R98	Corrections to synchronized handover	agreed	A	7.4.0	Radio Subsystem Synchronization	G1
GP-000568	05.10	A065		8.5.0	R99	Corrections to synchronized handover	agreed	A	8.6.0	Radio Subsystem Synchronization	G1
GP-000613	05.10	A066		8.5.0	R99	Reaction time at packet assignment with polling request		F	8.6.0	Radio Subsystem Synchronization	G1
GP-000807	05.10	A066	1	8.5.0	R99	Reaction time at packet assignment with polling request		F	8.6.0	Radio Subsystem Synchronization	G1
GP-000903	05.10	A066	2	8.5.0	R99	Reaction time at packet assignment with polling request	agreed	F	8.6.0	Radio Subsystem Synchronization	G1
GP-000717	05.50	A023		8.2.0	R99	Align the Mixed-Mode IMD Test Bandwidth (annex U.2.3) with GSM 05.05 and GSM 11.21	postponed	F	8.3.0	Background for RF Requirements	G1
GP-000548	45.002	001		4.0.1	Rel-4	Correction of NIB behaviour in COMPACT		A	4.1.0	Multiplexing and Multiple Access on the Radio Path	G1
GP-000842	45.002	001	1	4.0.1	Rel-4	Correction of NIB behaviour in COMPACT	rejected	A	4.1.0	Multiplexing and Multiple Access on the Radio Path	G1
GP-000571	45.002	002		4.0.1	Rel-4	Clarification of mapping of PDTCH and PCCCH		A	4.1.0	Multiplexing and Multiple Access on the Radio Path	G1
GP-000804	45.002	002	1	4.0.1	Rel-4	Clarification of mapping of PDTCH and PCCCH	agreed	A	4.1.0	Multiplexing and Multiple Access on the Radio Path	G1
GP-000574	45.002	003		4.0.1	Rel-4	Editorial corrections (Rel 4)	agreed	A	4.1.0	Multiplexing and Multiple Access on the Radio Path	G1
GP-000576	45.002	004		4.0.1	Rel-4	Possible multislot configurations for GPRS		A	4.1.0	Multiplexing and Multiple Access on the Radio Path	G1
GP-000806	45.002	004	1	4.0.1	Rel-4	Possible multislot configurations for GPRS	agreed	A	4.1.0	Multiplexing and Multiple Access on the Radio Path	G1
GP-000542	45.005	001		4.0.1	Rel-4	NER requirements for EGPRS		A	4.1.0	Radio Transmission and Reception	G1
GP-000846	45.005	001	1	4.0.1	Rel-4	NER requirements for EGPRS		A	4.1.0	Radio Transmission and Reception	G1
GP-000907	45.005	001	2	4.0.1	Rel-4	NER requirements for EGPRS	agreed	A	4.1.0	Radio Transmission and Reception	G1
GP-000544	45.005	002		4.0.1	Rel-4	Tolerance of BTS output power levels		A	4.1.0	Radio Transmission and Reception	G1
GP-000854	45.005	002	1	4.0.1	Rel-4	Tolerance of BTS output power levels	agreed	A	4.1.0	Radio Transmission and Reception	G1
GP-000674	45.005	003		4.0.1	Rel-4	Alignment of AM suppression requirements for PCS 1900 MS	agreed	A	4.1.0	Radio Transmission and Reception	G1
GP-000675	45.005	004		4.0.1	Rel-4	Testing of Blocking requirements for MXM 1900 BSS		A	4.1.0	Radio Transmission and Reception	G1
GP-000856	45.005	004	1	4.0.1	Rel-4	Testing of Blocking requirements for MXM 1900 BSS	agreed	A	4.1.0	Radio Transmission and Reception	G1

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GP-000676	45.005	005		4.0.1	Rel-4	Testing of Intra BSS intermodulation attenuation requirements for MXM 1900 BSS	agreed	A	4.1.0	Radio Transmission and Reception	G1
GP-000809	45.005	006		4.0.1	Rel-4	Alignment of AM suppression requirement for PCS 1900, MXM 1900, and PCS 1800 BTS		A	4.1.0	Radio Transmission and Reception	G1
GP-000550	45.008	001		4.0.1	Rel-4	EGPRS Channel Quality Report reporting period		A	4.1.0	Radio Subsystem Link Control	G1
GP-000844	45.008	001	1	4.0.1	Rel-4	EGPRS Channel Quality Report reporting period	agreed	A	4.1.0	Radio Subsystem Link Control	G1
GP-000578	45.008	002		4.0.1	Rel-4	GPRS neighbour cell measurement exceptions	agreed	A	4.1.0	Radio Subsystem Link Control	G1
GP-000580	45.008	003		4.0.1	Rel-4	Corrections to Handover and Cell re-selection		A	4.1.0	Radio Subsystem Link Control	G1
GP-000802	45.008	003	1	4.0.1	Rel-4	Corrections to Handover and Cell re-selection		A	4.1.0	Radio Subsystem Link Control	G1
GP-000905	45.008	003	2	4.0.1	Rel-4	Corrections to Handover and Cell re-selection	agreed	A	4.1.0	Radio Subsystem Link Control	G1
GP-000651	45.008	004		4.0.1	Rel-4	GPRS cell reselection with Packet Measurement Order		A	4.1.0	Radio Subsystem Link Control	G1
GP-000883	45.008	004	1	4.0.1	Rel-4	GPRS cell reselection with Packet Measurement Order	agreed	A	4.1.0	Radio Subsystem Link Control	G1
GP-000763	45.008	005		4.0.1	Rel-4	Corrections to Enhanced Measurement Reporting		A	4.1.0	Radio Subsystem Link Control	G1
GP-000872	45.008	005	1	4.0.1	Rel-4	Corrections to Enhanced Measurement Reporting	agreed	A	4.1.0	Radio Subsystem Link Control	G1
GP-000766	45.008	006		4.0.1	Rel-4	Maximum number of neighbour cell carriers to be monitored by the MS		A	4.1.0	Radio Subsystem Link Control	G1
GP-000874	45.008	006	1	4.0.1	Rel-4	Maximum number of neighbour cell carriers to be monitored by the MS	agreed	A	4.1.0	Radio Subsystem Link Control	G1
GP-000849	45.008	007		4.0.1	Rel-4	Discontinuous transmission		A	4.1.0	Radio Subsystem Link Control	G1
GP-000878	45.008	007	1	4.0.1	Rel-4	Discontinuous transmission	agreed	A	4.1.0	Radio Subsystem Link Control	G1
GP-000852	45.008	008		4.0.1	Rel-4	Measurement requirements for COMPACT MS in the case of multislot allocation	agreed	A	4.1.0	Radio Subsystem Link Control	G1
GP-000520	04.18	A153		8.6.0	R99	Clarification of downlink bit	Approved	F	8.7.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000537	04.18	A154		8.6.0	R99	Correction of send sequence number handling	Approved	F	8.7.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000553	04.18	A155		8.6.0	R99	Second Part Packet Assignment in IA Rest octet	Approved	F	8.7.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000620	04.18	A156		8.6.0	R99	DTM: Packet Notification	Withdrawn	F	8.7.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000622	04.18	A157		8.6.0	R99	DTM: RR interaction with the datalink layer	Approved	F	8.7.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000624	04.18	A158		8.6.0	R99	DTM: DTM Reject with wait indication	Approved	F	8.7.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000626	04.18	A159		8.6.0	R99	DTM: Corrections to the abnormal cases	Revised	F	8.7.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000787	04.18	A159	1	8.6.0	R99	DTM: Corrections to the abnormal cases	Revised	F	8.7.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000795	04.18	A159	2	8.6.0	R99	DTM: Corrections to the abnormal cases	Approved	F	8.7.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000628	04.18	A160		8.6.0	R99	DTM: RR reallocation during packet access	Revised	F	8.7.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000789	04.18	A160	1	8.6.0	R99	DTM: RR reallocation during packet access	Revised	F	8.7.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000797	04.18	A160	2	8.6.0	R99	DTM: RR reallocation during packet access	Approved	F	8.7.0	Mobile Radio Interface - Layer 3 Specification RR part	G2

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
GP-000644	04.18	A161		8.6.0	R99	Enable several instances of SI18 and SI20	Approved	F	8.7.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000646	04.18	A162		8.6.0	R99	Inclusion of Cell Bar Qualify 2 in the neighbour cell descriptions in SI19	Approved	F	8.7.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000581	04.18	A163		8.6.0	R99	Editorials and corrections to GSM-UTRAN interworking	Revised	F	8.7.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000781	04.18	A163	1	8.6.0	R99	Editorials and corrections to GSM-UTRAN interworking	Revised	F	8.7.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000823	04.18	A163	2	8.6.0	R99	Editorials and corrections to GSM-UTRAN interworking	Approved	F	8.7.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000688	04.18	A164		8.6.0	R99	UTRAN Classmark Change : CSN1 corrections	Approved	F	8.7.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000690	04.18	A165		8.6.0	R99	3G Information : change from PSI3bis into PSI3ter	Withdrawn	F	8.7.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000694	04.18	A166		8.6.0	R99	Providing UE Capability and Security information to the BSC	Withdrawn	F	8.7.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000696	04.18	A167		8.6.0	R99	3G Cell Reselection list	Revised	F	8.7.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000838	04.18	A167	1	8.6.0	R99	3G Cell Reselection list	Approved	F	8.7.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000699	04.18	A168		8.6.0	R99	Handover to UMTS procedure, abnormal cases. MS Behaviour	Revised	F	8.7.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000826	04.18	A168	1	8.6.0	R99	Handover to UMTS procedure, abnormal cases. MS Behaviour	Approved	F	8.7.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000701	04.18	A169		8.6.0	R99	Indication of availability of UTRAN preconfigurations from the GSM BCCH	Revised	F	8.7.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000777	04.18	A169	1	8.6.0	R99	Indication of availability of UTRAN preconfigurations from the GSM BCCH	Approved	F	8.7.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000631	04.18	A171		8.6.0	R99	to reword § 3.4.12: This paragraph concerns MS in dedicated mode or in transmit mode the reading of PCH in group transmit mode is optional (GSM 03.68, v7.0.0 §11.3.1.3.c	Approved	F	8.7.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000730	04.18	A172		8.6.0	R99	RAB pre-configuration changes	Withdrawn	F	8.7.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000736	04.18	A173		8.6.0	R99	Editorial corrections	Approved	F	8.7.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000738	04.18	A174		8.6.0	R99	Cipher mode setting in HO command	Approved	F	8.7.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000749	04.18	A175		8.6.0	R99	DTM: Alignment of the intersystem handover procedure	Approved	F	8.7.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000751	04.18	A176		8.6.0	R99	Delivering UMTS frequency infomration to MSs not supporting CS services	Withdrawn	F	8.7.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000755	04.18	A177		8.6.0	R99	Deletion of the UE RAB pre-configuration message	Revised	F	8.7.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000779	04.18	A177	1	8.6.0	R99	Deletion of the UE RAB pre-configuration message	Approved	F	8.7.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000771	04.18	A178		8.6.0	R99	Multiblock allocation	Rejected	F	8.7.0	Mobile Radio Interface - Layer 3 Specification RR part	G2

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GP-000784	04.18	A179		8.6.0	R99	Introduction of UMTS PLMN Id in the pre-configuration indication set	Withdrawn	F	8.7.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000822	04.18	A180		8.6.0	R99	Support for interworking with 1.28 Mcps TDD cells	Approved	B	8.7.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000558	04.31	A015		7.2.0	R98	Corrections to RRLP specification	Revised	F	7.3.0	Location Services LCS RR LCS Protocol	G2
GP-000814	04.31	A015	1	7.2.0	R98	Corrections to RRLP specification	Approved	F	7.3.0	Location Services LCS RR LCS Protocol	G2
GP-000559	04.31	A016		8.1.0	R99	Corrections to RRLP specification	Revised	A	8.2.0	Location Services LCS RR LCS Protocol	G2
GP-000815	04.31	A016	1	8.1.0	R99	Corrections to RRLP specification	Approved	A	8.2.0	Location Services LCS RR LCS Protocol	G2
GP-000720	04.31	A017		7.2.0	R98	Correction of E-OTD Measurement Quality Indications	Revised	F	7.3.0	Location Services LCS RR LCS Protocol	G2
GP-000833	04.31	A017	1	7.2.0	R98	Correction of E-OTD Measurement Quality Indications	Approved	F	7.3.0	Location Services LCS RR LCS Protocol	G2
GP-000721	04.31	A018		8.1.0	R99	Correction of E-OTD Measurement Quality Indications	Revised	A	8.2.0	Location Services LCS RR LCS Protocol	G2
GP-000834	04.31	A018	1	8.1.0	R99	Correction of E-OTD Measurement Quality Indications	Approved	A	8.2.0	Location Services LCS RR LCS Protocol	G2
GP-000636	04.60	A900	1	8.6.0	R99	Clarification of assembling convention for RLC/MAC control blocks	Revised	A	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000811	04.60	A900	2	8.6.0	R99	Clarification of assembling convention for RLC/MAC control blocks	Approved	A	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000522	04.60	A901		8.6.0	R99	Clarification to Additional PSI messages struct in PSI2	Approved	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000518	04.60	A902		8.6.0	R99	Octet Alignment of RLC data octets	Withdrawn	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000519	04.60	A903		8.6.0	R99	GLOBAL_TFI in Packet PSI Status message	Revised	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000791	04.60	A903	1	8.6.0	R99	GLOBAL_TFI in Packet PSI Status message	Revised	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000895	04.60	A903	2	8.6.0	R99	GLOBAL_TFI in Packet PSI Status message	Approved	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2

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GP-000545	04.60	A904		8.6.0	R99	EGPRS editorial clarifications	Approved	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000546	04.60	A905		8.6.0	R99	Addition of a NIB flag for COMPACT TBF allocation	Rejected	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000552	04.60	A906		8.6.0	R99	PSI3 Change Mark in Packet Measurement Report message	Withdrawn	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000555	04.60	A907		8.6.0	R99	MS handling of control message not addressed to it	Approved	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000614	04.60	A908		8.6.0	R99	Correction on polling mechanism for Packet Control Acknowledgement	Revised	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000794	04.60	A908	1	8.6.0	R99	Correction on polling mechanism for Packet Control Acknowledgement	Approved	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000615	04.60	A909		8.6.0	R99	Editorial corrections on countdown and abnormal case	Approved	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000616	04.60	A910		8.6.0	R99	Measurement reporting in Packet Cell Change Failure	Withdrawn	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000634	04.60	A911		6.10.0	R97	Clarification of assembling convention for RLC/MAC control blocks	Revised	F	6.11.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2

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GP-000799	04.60	A911	1	6.10.0	R97	Clarification of assembling convention for RLC/MAC control blocks	Approved	F	6.11.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000635	04.60	A912		7.6.0	R98	Clarification of assembling convention for RLC/MAC control blocks	Revised	A	7.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000810	04.60	A912	1	7.6.0	R98	Clarification of assembling convention for RLC/MAC control blocks	Approved	A	7.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000639	04.60	A913		6.10.0	R97	Clarifications related to one-phase contention resolution	Revised	F	6.11.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000892	04.60	A913	1	6.10.0	R97	Clarifications related to one-phase contention resolution	Rejected	F	6.11.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000922	04.60	A913	2	6.10.0	R97	Clarifications related to one-phase contention resolution	Rejected	F	6.11.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000640	04.60	A914		7.6.0	R98	Clarifications related to one-phase contention resolution	Revised	A	7.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000893	04.60	A914	1	7.6.0	R98	Clarifications related to one-phase contention resolution	Rejected	A	7.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000923	04.60	A914	2	7.6.0	R98	Clarifications related to one-phase contention resolution	Rejected	A	7.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2

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GP-000641	04.60	A915		8.6.0	R99	Clarifications related to one-phase contention resolution	Revised	A	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000894	04.60	A915	1	8.6.0	R99	Clarifications related to one-phase contention resolution	Rejected	A	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000924	04.60	A915	2	8.6.0	R99	Clarifications related to one-phase contention resolution	Rejected	A	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000642	04.60	A916		8.6.0	R99	DTM: Correction of Packet Flow Context Procedures for exclusive allocation	Approved	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000643	04.60	A917		8.6.0	R99	Description of ACCESS_BURST_TYPE parameter	Approved	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000648	04.60	A918		8.6.0	R99	Correction of PSI6 / PSI7	Approved	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000653	04.60	A919		8.6.0	R99	EGPRS clarification on RLC block retransmission	Revised	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000896	04.60	A919	1	8.6.0	R99	EGPRS clarification on RLC block retransmission	Approved	D	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000562	04.60	A920		8.6.0	R99	Alignment of EGPRS quality parameter names with 05.08	Approved	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2

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GP-000563	04.60	A921		8.6.0	R99	Measurements and PACCH monitoring for fixed allocation	Approved	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000564	04.60	A922		8.6.0	R99	Clarification of polling response transmission	Revised	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000792	04.60	A922	1	8.6.0	R99	Clarification of polling response transmission	Approved	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000569	04.60	A923		8.6.0	R99	Clarification of mapping of PDTCH and PCCCH	Approved	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000583	04.60	A924		8.6.0	R99	Editorials and corrections to GSM-UTRAN interworking	Revised	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000783	04.60	A924	1	8.6.0	R99	Editorials and corrections to GSM-UTRAN interworking	Revised	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000825	04.60	A924	2	8.6.0	R99	Editorials and corrections to GSM-UTRAN interworking	Revised	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000891	04.60	A924	3	8.6.0	R99	Editorials and corrections to GSM-UTRAN interworking	Revised	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000898	04.60	A924	4	8.6.0	R99	Editorials and corrections to GSM-UTRAN interworking	Approved	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2

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GP-000606	04.60	A925		8.6.0	R99	NACC	Postponed	B	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000693	04.60	A926		8.6.0	R99	Providing UE Capability and Security information to the BSC	Withdrawn	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000698	04.60	A927		8.6.0	R99	Network commanded Cell Change order to 3G : Alignment Packet Idle mode/Packet Transfer mode	Approved	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000703	04.60	A928		8.6.0	R99	Indication of availability of UTRAN preconfigurations from the PBCCH	Withdrawn	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000704	04.60	A929		8.6.0	R99	Delivering UMTS frequency information to Mobile Stations not supporting CS services	Withdrawn	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000652	04.60	A941		8.6.0	R99	Default parameter values in Packet Measurement Order	Approved	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000740	04.60	A943		8.6.0	R99	Alignment of abnormal cases	Withdrawn	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000741	04.60	A944		8.6.0	R99	Bitmap generation	Approved	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000742	04.60	A945		8.6.0	R99	Multiblock allocation	Rejected	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2

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GP-000743	04.60	A946		8.6.0	R99	RLC receive window	Withdrawn	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000744	04.60	A947		8.6.0	R99	RLC window size for EGPRS	Revised	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000897	04.60	A947	1	8.6.0	R99	RLC window size for EGPRS	Approved	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000748	04.60	A948		8.6.0	R99	Change from PSI3bis into PSI3ter for the 3G Information	Revised	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000890	04.60	A948	1	8.6.0	R99	Change from PSI3bis into PSI3ter for the 3G Information	Revised	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000899	04.60	A948	2	8.6.0	R99	Change from PSI3bis into PSI3ter for the 3G Information	Approved	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000786	04.60	A949		8.6.0	R99	Change for the Introduction of UMTS PLMN Id in the pre-configuration indication set	Withdrawn	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000793	04.60	A950		8.6.0	R99	GSM to 1.28 Mcps TDD interworking	Withdrawn	F	8.7.0	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2
GP-000617	08.08	A225		8.6.0	R99	Correction to Source Identification	Approved	F	8.7.0	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	G2
GP-000618	08.08	A226		8.6.0	R99	DTM: Addition of Common Id procedure	Approved	F	8.7.0	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	G2

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GP-000560	08.16	A021	1	8.0.0	Rel-4	Support for Internet Protocol (IP as a Sub-Network Service Protocol)	Revised	B	4.0.0	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	G2
GP-000816	08.16	A021	2	8.0.0	Rel-4	Support for Internet Protocol (IP as a Sub-Network Service Protocol)	Revised	B	4.0.0	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	G2
GP-000835	08.16	A021	3	8.0.0	Rel-4	Support for Internet Protocol (IP as a Sub-Network Service Protocol)	Approved	B	4.0.0	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	G2
GP-000813	08.18	A107	2	8.4.0	R99	Leaky bucket synchronization in BSSGP	Revised	F	8.5.0	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	G2
GP-000900	08.18	A107	3	8.4.0	R99	Leaky bucket synchronization in BSSGP	Approved	F	8.5.0	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	G2
GP-000561	08.18	A108		8.4.0	Rel-4	Support for Zero Length Unitdata	Approved	B	4.0.0	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	G2
GP-000745	08.18	A109		8.4.0	R99	Blocking procedure	Revised	F	8.5.0	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	G2
GP-000817	08.18	A109	1	8.4.0	Rel-4	Blocking procedures	Postponed	C	4.0.0	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	G2
GP-000746	08.18	A110		8.4.0	R99	Flow control procedure	Revised	F	8.5.0	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	G2
GP-000818	08.18	A110	1	8.4.0	R99	Flow control procedures	Postponed	A	8.5.0	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	G2
GP-000819	08.18	A111		6.7.1	R97	Flow control procedures	Postponed	F	6.8.0	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	G2
GP-000820	08.18	A112		7.3.1	R98	Flow control procedures	Postponed	A	7.4.0	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	G2

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GP-000732	08.58	A055		8.5.0	R99	Correction 2G-3G Handover	Withdrawn	F	8.6.0	Base Station Controler - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	G2
GP-000747	08.58	A056		8.5.0	R99	New system information messages	Approved	F	8.6.0	Base Station Controler - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	G2
GP-000532	08.71	A005		7.3.0	R98	LCS	Approved	F	7.4.0	Location services (LCS) SMLC-BSS intface L 3	G2
GP-000533	08.71	A006		8.1.0	R99	LCS	Approved	A	8.2.0	Location services (LCS) SMLC-BSS intface L 3	G2
GP-000630	44.018	030		4.1.1	Rel-4	NOTIFICATION RESPONSE contents: The Group Call Reference and the Service sent within the NOTIFICATION RESPONSE message has to be identical with the received information	Approved	F	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000633	44.018	031		4.1.1	Rel-4	to reword § 3.4.12: This paragraph concerns MS in dedicated mode or in transmit mode the reading of PCH in group transmit mode is optional (GSM 03.68, v7.0.0 §11.3.1.3.c)	Revised	A	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000828	44.018	031	1	4.1.1	Rel-4	Mandatory use of SYSTEM INFORMATION TYPE 10	Approved	C	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000500	44.018	032		4.1.1	Rel-4	Support of reduced NCH monitoring	Approved	F	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000501	44.018	033		4.1.1	Rel-4	Sending of NLN and NLN status	Approved	F	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000502	44.018	034		4.1.1	Rel-4	Indication of no VGCS or VBS calls active in a cell	Approved	F	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000503	44.018	035		4.1.1	Rel-4	Action in group receive mode on entering new cell	Approved	F	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000504	44.018	036		4.1.1	Rel-4	Provision of NLN on SACCH	Approved	F	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000505	44.018	037		4.1.1	Rel-4	Support for interworking with 1.28 Mcps TDD cells	Revised	F	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000821	44.018	037	1	4.1.1	Rel-4	Support for interworking with 1.28 Mcps TDD cells	Approved	F	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000521	44.018	038		4.1.1	Rel-4	Clarification of downlink bit	Approved	A	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000538	44.018	039		4.1.1	Rel-4	Correction of send sequence number handling	Approved	A	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000554	44.018	040		4.1.1	Rel-4	Second Part Packet Assignment in IA Rest octet	Approved	A	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000621	44.018	041		4.1.1	Rel-4	DTM: Packet Notification	Withdrawn	A	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000623	44.018	042		4.1.1	Rel-4	DTM: RR interaction with the datalink layer	Approved	A	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000625	44.018	043		4.1.1	Rel-4	DTM: DTM Reject with wait indication	Approved	A	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000627	44.018	044		4.1.1	Rel-4	DTM: Corrections to the abnormal cases	Revised	A	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2

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GP-000788	44.018	044	1	4.1.1	Rel-4	DTM: Corrections to the abnormal cases	Revised	A	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000796	44.018	044	2	4.1.1	Rel-4	DTM: Corrections to the abnormal cases	Approved	A	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000629	44.018	045		4.1.1	Rel-4	DTM: RR reallocation during packet access	Revised	A	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000790	44.018	045	1	4.1.1	Rel-4	DTM: RR reallocation during packet access	Revised	A	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000798	44.018	045	2	4.1.1	Rel-4	DTM: RR reallocation during packet access	Approved	A	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000645	44.018	046		4.1.1	Rel-4	Enable several instances of SI18 and SI20	Approved	A	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000647	44.018	047		4.1.1	Rel-4	Inclusion of Cell Bar Qualify 2 in the neighbour cell descriptions in SI19	Approved	A	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000582	44.018	048		4.1.1	Rel-4	Editorials and corrections to GSM-UTRAN interworking	Revised	A	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000782	44.018	048	1	4.1.1	Rel-4	Editorials and corrections to GSM-UTRAN interworking	Revised	F	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000824	44.018	048	2	4.1.1	Rel-4	Editorials and corrections to GSM-UTRAN interworking	Approved	A	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000689	44.018	049		4.1.1	Rel-4	UTRAN Classmark Change : CSN1 corrections	Approved	F	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000691	44.018	050		4.1.1	Rel-4	3G Information : change from PSI3bis into PSI3ter	Withdrawn	A	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000695	44.018	051		4.1.1	Rel-4	Providing UE Capability and Security information to the BSC	Withdrawn	A	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000697	44.018	052		4.1.1	Rel-4	3G Cell Reselection list	Revised	A	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000839	44.018	052	1	4.1.1	Rel-4	3G Cell Reselection list	Approved	A	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000700	44.018	053		4.1.1	Rel-4	Handover to UMTS procedure, abnormal cases. MS Behaviour	Revised	A	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000827	44.018	053	1	4.1.1	Rel-4	Handover to UMTS procedure, abnormal cases. MS Behaviour	Approved	A	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000702	44.018	054		4.1.1	Rel-4	Indication of availability of UTRAN preconfigurations from the GSM BCCH	Revised	A	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000778	44.018	054	1	4.1.1	Rel-4	Indication of availability of UTRAN preconfigurations from the GSM BCCH	Approved	A	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000737	44.018	058		4.1.1	Rel-4	Editorial corrections	Approved	A	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000739	44.018	059		4.1.1	Rel-4	Cipher mode setting in HO command	Approved	A	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000750	44.018	060		4.1.1	Rel-4	DTM: Alignment of the intersystem handover procedure	Approved	F	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000752	44.018	061		4.1.1	Rel-4	Delivering UMTS frequency infomration to MSs not supporting CS services	Withdrawn	A	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000731	44.018	062		4.1.1	Rel-4	RAB pre-configuration changes	Withdrawn	A	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2

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GP-000756	44.018	063		4.1.1	Rel-4	Deletion of the UE RAB pre-configuration message	Revised	A	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000780	44.018	063	1	4.1.1	Rel-4	Deletion of the UE RAB pre-configuration message	Approved	A	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000767	44.018	064		4.1.1	Rel-4	Precision on reduced monitoring	Revised	F	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000830	44.018	064	1	4.1.1	Rel-4	Precision on reduced monitoring	Approved	F	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000772	44.018	065		4.1.1	Rel-4	Multiblock allocation	Rejected	A	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000785	44.018	066		4.1.1	Rel-4	Introduction of UMTS PLMN Id in the pre-configuration indication set	Withdrawn	A	4.2.0	Mobile Radio Interface - Layer 3 Specification RR part	G2
GP-000497	48.008	014		4.1.1	Rel-4	Notification response procedure precision"	Revised	F	4.2.0	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	G2
GP-000837	48.008	014	1	4.1.1	Rel-4	Notification response procedure precision	Approved		4.2.0	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	G2
GP-000619	48.008	015		4.1.1	Rel-4	DTM: Addition of Common Id procedure	Approved	A	4.2.0	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	G2
GP-000864	11.21	A135	1	8.4.0	R99	Modification of complete conformance, AM suppression	approved	F	8.5.0	GSM Radio Aspects Base Station System Equipment Specification	G3
GP-000515	11.21	A136		8.4.0	R99	Relaxation of PDTCH/CS-4 C/I requirements	approved	F	8.5.0	GSM Radio Aspects Base Station System Equipment Specification	G3
GP-000866	11.21	A137	2	8.4.0	R99	Additions to facilitate test on MXM systems	approved	F	8.5.0	GSM Radio Aspects Base Station System Equipment Specification	G3
GP-000525	11.21	A138		8.4.0	R99	Change of referenced specification for test site requirements for Radiated Spurious Emissions, Base Station testing	approved	F	8.5.0	GSM Radio Aspects Base Station System Equipment Specification	G3
GP-000865	11.21	A139	1	8.4.0	R99	BTS output power capability and requirements with 8PSK	approved	F	8.5.0	GSM Radio Aspects Base Station System Equipment Specification	G3
GP-000493	11.10-3	C471		4.29.0	Ph2	Changes to TC_26_6_4_1	approved	F	4.30.0	Layer3 (L3) Abstract Test Suite (ATS)	G4
GP-000493	11.10-3	C472		4.29.0	Ph2	Correction to TC_26_5_6_3	approved	F	4.30.0	Layer3 (L3) Abstract Test Suite (ATS)	G4
GP-000493	11.10-3	C473		4.29.0	Ph2	PIXIT change to TC_26_8_1_4_3_1	approved	F	4.30.0	Layer3 (L3) Abstract Test Suite (ATS)	G4
GP-000493	11.10-3	C474		4.29.0	Ph2	Addition of Test Case 33.6 to Layer 3 ATS	approved	B	4.30.0	Layer3 (L3) Abstract Test Suite (ATS)	G4
GP-000493	11.10-3	C475		4.29.0	Ph2	PIXIT change to TC_26_6_12_4	approved	F	4.30.0	Layer3 (L3) Abstract Test Suite (ATS)	G4
GP-000493	11.10-3	C476		4.29.0	Ph2	Training sequence code PIXIT changes to TC_26_11_2_1 and TC_26_11_2_2_1	approved	F	4.30.0	Layer3 (L3) Abstract Test Suite (ATS)	G4
GP-000493	11.10-3	C477		4.29.0	Ph2	Addition of Test Case 20.19 to Cell Selection ATS	approved	B	4.30.0	Layer3 (L3) Abstract Test Suite (ATS)	G4
GP-000493	11.10-3	C478		4.29.0	Ph2	PIXIT change in test step 'VarInit_fix_Dual' for test cases 20.20.1, 20.20.2 and 20.11.2.1	approved	F	4.30.0	Layer3 (L3) Abstract Test Suite (ATS)	G4
GP-000495	11.10-4	A002		5.1.0	R96	Editorial and coding corrections	approved	F	5.2.0	SIM Application Toolkit conformance specification	G4
GP-000489	51.010-1	001		4.0.1	Rel-4	Applicabilty of 2 new GPRS tests 20.22.8 and 20.22.9	approved	F	4.1.0	Conformance Specification	G4
GP-000491	51.010-1	002		4.0.1	Rel-4	PIXIT information for SoLSA	approved	B	4.1.0	Conformance Specification	G4
GP-000492	51.010-1	003		4.0.1	Rel-4	Test case 31.3.1.4 – Additions to test procedure	approved	F	4.1.0	Conformance Specification	G4
GP-000492	51.010-1	004		4.0.1	Rel-4	Test case 31.3.1.5 – Additions to test procedure.	approved	F	4.1.0	Conformance Specification	G4

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GP-000492	51.010-1	005		4.0.1	Rel-4	TC 31.4.3.1.2 - Alignment of Expected Sequence with the Test Procedure description	approved	F	4.1.0	Conformance Specification	G4
GP-000492	51.010-1	006		4.0.1	Rel-4	TC 31.4.3.5 –Corrections of the Method of test according to the core specification GSM 04.84	approved	F	4.1.0	Conformance Specification	G4
GP-000490	51.010-1	007		4.0.1	Rel-4	Introduction of PCS 1900 into section 23	approved	B	4.1.0	Conformance Specification	G4
GP-000490	51.010-1	008		4.0.1	Rel-4	Introduction of PCS 1900 into section 26.3	approved	B	4.1.0	Conformance Specification	G4
GP-000490	51.010-1	009		4.0.1	Rel-4	Introduction of PCS 1900 into section 26.5	approved	B	4.1.0	Conformance Specification	G4
GP-000490	51.010-1	010		4.0.1	Rel-4	Introduction of PCS 1900 into section 26.6	approved	B	4.1.0	Conformance Specification	G4
GP-000490	51.010-1	011		4.0.1	Rel-4	Introduction of PCS 1900 into section 26.7	approved	B	4.1.0	Conformance Specification	G4
GP-000490	51.010-1	012		4.0.1	Rel-4	Introduction of PCS 1900 into section 26.8	approved	B	4.1.0	Conformance Specification	G4
GP-000490	51.010-1	013		4.0.1	Rel-4	Introduction of PCS 1900 into section 30	approved	B	4.1.0	Conformance Specification	G4
GP-000490	51.010-1	014		4.0.1	Rel-4	Introduction of PCS 1900 into section 34	approved	B	4.1.0	Conformance Specification	G4
GP-000492	51.010-1	015		4.0.1	Rel-4	Correction for testcase 31.4.3.1.1	approved	D	4.1.0	Conformance Specification	G4
GP-000492	51.010-1	016		4.0.1	Rel-4	Correction for testcase 31.4.3.1.2	approved	D	4.1.0	Conformance Specification	G4
GP-000492	51.010-1	017		4.0.1	Rel-4	Correction for testcase 31.4.3.1.3	approved	D	4.1.0	Conformance Specification	G4
GP-000492	51.010-1	018		4.0.1	Rel-4	Correction for testcase 31.4.3.2	approved	D	4.1.0	Conformance Specification	G4
GP-000488	51.010-1	019		4.0.1	Rel-4	Addition of EDGE test cases to the applicability table	approved	B	4.1.0	Conformance Specification	G4
GP-000488	51.010-1	020		4.0.1	Rel-4	Introduction of 8PSK test equipment measurement uncertainties in Annex 5	approved	B	4.1.0	Conformance Specification	G4
GP-000488	51.010-1	021		4.0.1	Rel-4	COMPACT Signal Strength test case	approved	B	4.1.0	Conformance Specification	G4
GP-000488	51.010-1	022		4.0.1	Rel-4	COMPACT Cell Selection and Re-selection	approved	B	4.1.0	Conformance Specification	G4
GP-000488	51.010-1	023		4.0.1	Rel-4	EDGE Timing advance and absolute delay	approved	B	4.1.0	Conformance Specification	G4
GP-000492	51.010-1	024		4.0.1	Rel-4	Clause 31.4. Problem with test for call state U0	approved	F	4.1.0	Conformance Specification	G4
GP-000492	51.010-1	025		4.0.1	Rel-4	Test case 31.4.3.1.3 – Incorrect name for timer T in Test Purpose statement	approved	F	4.1.0	Conformance Specification	G4
GP-000487	51.010-1	026		4.0.1	Rel-4	Correction to the numbering of sections and procedures of AMR tests in section 26.16	approved	D	4.1.0	Conformance Specification	G4
GP-000490	51.010-1	027		4.0.1	Rel-4	Inclusion of PCS1900 in clauses 12, 13 and 14	approved	B	4.1.0	Conformance Specification	G4
GP-000492	51.010-1	028		4.0.1	Rel-4	Clause 31.4.2.1.2.1. Correction to MPTY Auxiliary states.	approved	F	4.1.0	Conformance Specification	G4
GP-000492	51.010-1	029		4.0.1	Rel-4	Alignment of the AoC test case with the specification	approved	F	4.1.0	Conformance Specification	G4
GP-000492	51.010-1	030		4.0.1	Rel-4	26.10.2.1: mismatching value and use of the Extension Indication about the BCCH channel list, and inconsistencies in the measurement report list of ARFCNs	approved	F	4.1.0	Conformance Specification	G4
GP-000490	51.010-1	031		4.0.1	Rel-4	Introduction of PCS 1900 into section 40	approved	B	4.1.0	Conformance Specification	G4
GP-000490	51.010-1	032		4.0.1	Rel-4	Introduction of PCS 1900 into sections 1 to 10	approved	B	4.1.0	Conformance Specification	G4
GP-000490	51.010-1	033		4.0.1	Rel-4	Introduction of PCS 1900 into section 41	approved	B	4.1.0	Conformance Specification	G4
GP-000490	51.010-1	034		4.0.1	Rel-4	Introduction of PCS 1900 into section 42	approved	B	4.1.0	Conformance Specification	G4
GP-000491	51.010-1	035		4.0.1	Rel-4	Introduction of new cell selection and reselection test cases for SoLSA	approved	B	4.1.0	Conformance Specification	G4
GP-000491	51.010-1	036		4.0.1	Rel-4	Replacement of current chapter 26.15	approved	B	4.1.0	Conformance Specification	G4
GP-000491	51.010-1	037		4.0.1	Rel-4	Addition of SoLSA test cases to the applicability table	approved	B	4.1.0	Conformance Specification	G4
GP-000489	51.010-1	038		4.0.1	Rel-4	Clarification of GPRS Receive Initial Conditions	approved	F	4.1.0	Conformance Specification	G4
GP-000489	51.010-1	039		4.0.1	Rel-4	Clarification of GPRS Transmitter Initial Conditions	approved	F	4.1.0	Conformance Specification	G4
GP-000489	51.010-1	040		4.0.1	Rel-4	Clarification of GPRS Timing advance and absolute delay Conditions	approved	F	4.1.0	Conformance Specification	G4
GP-000492	51.010-1	041		4.0.1	Rel-4	Correction for testcase 31.4.3.4	approved	F	4.1.0	Conformance Specification	G4
GP-000492	51.010-1	042		4.0.1	Rel-4	Correction for testcase 31.4.3.5	approved	F	4.1.0	Conformance Specification	G4

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GP-000489	51.010-1	043		4.0.1	Rel-4	Medium Access Control (MAC) Medium Access Control (MAC) Procedures on PCCCH in idle mode	approved	F	4.1.0	Conformance Specification	G4
GP-000489	51.010-1	044		4.0.1	Rel-4	Dynamic Allocation in Packet Transfer Mode	approved	F	4.1.0	Conformance Specification	G4
GP-000489	51.010-1	045		4.0.1	Rel-4	TC's section 41 – Channel combination v) instead of iv) and vii)	approved	D	4.1.0	Conformance Specification	G4
GP-000489	51.010-1	046		4.0.1	Rel-4	The ARFCN list encoding for DCS in 42.1.2.2.3 cannot use Bit Map 0 format.	approved	F	4.1.0	Conformance Specification	G4
GP-000489	51.010-1	047		4.0.1	Rel-4	Incorrect References in Specific Message Contents of 41.1.3	approved	F	4.1.0	Conformance Specification	G4
GP-000489	51.010-1	048		4.0.1	Rel-4	Mis-alignment between the "Test Procedure" and "Expected Sequence" of test case 42.3.1.1.7.	approved	F	4.1.0	Conformance Specification	G4
GP-000489	51.010-1	049		4.0.1	Rel-4	Test case 42.3.1.1.4 - inconsistencies between "Test Procedure" and "Expected Sequence" along with chronologically errors in "Expected Sequence"	approved	F	4.1.0	Conformance Specification	G4
GP-000489	51.010-1	050		4.0.1	Rel-4	GPRS Paging tests on CCCH for GPRS service	approved	F	4.1.0	Conformance Specification	G4
GP-000489	51.010-1	051		4.0.1	Rel-4	TC 41.2.2.4 – Correction of Expected sequence numbering	approved	F	4.1.0	Conformance Specification	G4
GP-000489	51.010-1	052		4.0.1	Rel-4	TC 41.2.3.1 – Correction of Specific message contents	approved	F	4.1.0	Conformance Specification	G4
GP-000489	51.010-1	053		4.0.1	Rel-4	TC 41.2.3.2 – Correction of Specific message contents	approved	F	4.1.0	Conformance Specification	G4
GP-000489	51.010-1	054		4.0.1	Rel-4	TC 41.2.6.1 – Editorial modification of Section numbering	approved	D	4.1.0	Conformance Specification	G4
GP-000489	51.010-1	055		4.0.1	Rel-4	TBF release	approved	F	4.1.0	Conformance Specification	G4
GP-000489	51.010-1	056		4.0.1	Rel-4	GPRS Paging tests on PACCH for circuit-switched services	approved	F	4.1.0	Conformance Specification	G4
GP-000489	51.010-1	057		4.0.1	Rel-4	SS Initial Conditions of 41.1	approved	F	4.1.0	Conformance Specification	G4
GP-000489	51.010-1	058		4.0.1	Rel-4	Incorrect quotations from 0408 leading to unnecessary requirements in 41.1.5.	approved	F	4.1.0	Conformance Specification	G4
GP-000489	51.010-1	059		4.0.1	Rel-4	41.1.2 Applicability, SS Broadcast Information and Pack Paging Request 1A MI Types	approved	F	4.1.0	Conformance Specification	G4
GP-000489	51.010-1	060		4.0.1	Rel-4	Incorrect "timeslot allocation" value in 42.1.2.1.6 PSI type 2 message contents	approved	F	4.1.0	Conformance Specification	G4
GP-000489	51.010-1	061		4.0.1	Rel-4	Correction of GPRS Mobility Management	approved	F	4.1.0	Conformance Specification	G4
GP-000489	51.010-1	062		4.0.1	Rel-4	Measurement Reports and Cell Change Order Procedures	approved	F	4.1.0	Conformance Specification	G4
GP-000489	51.010-1	063		4.0.1	Rel-4	TC 41.4.2.1 – Not tested Conformance requiremens removed. Corrections in Test purpose, Expected sequence.	approved	F	4.1.0	Conformance Specification	G4
GP-000489	51.010-1	064		4.0.1	Rel-4	Various Errors and Updates in Section 40	approved	F	4.1.0	Conformance Specification	G4
GP-000489	51.010-1	065		4.0.1	Rel-4	GPRS SNDCP Tests	approved	F	4.1.0	Conformance Specification	G4
GP-000489	51.010-1	066		4.0.1	Rel-4	GPRS Receive Tests	approved	F	4.1.0	Conformance Specification	G4
GP-000494	51.010-3	001		4.0.0	Rel-4	Correction of the release number for User-to-Dispatcher, UUS and FM test cases	approved	F	4.1.0	Layer3 (L3) Abstract Test Suite (ATS)	G4
NP-000670	04.08	A105 1		6.12.1	R97	Correction of update status on Authentication Reject	approved	F	6.13.0	Mobile Radio Interface - Layer 3 Specification	N1
NP-000670	04.08	A105 3		7.9.1	R98	Correction of update status on Authentication Reject	approved	A	7.10.0	Mobile Radio Interface - Layer 3 Specification	N1
NP-000670	04.64	A145		8.5.0	R99	Correction in TOM protocol header	approved	F	8.6.0	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	N1

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NP-000670	04.64	A146		6.7.0	R97	Correction of IOV-UI negotiation	approved	F	6.8.0	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	N1
NP-000670	04.64	A147		7.3.0	R98	Correction of IOV-UI negotiation	approved	A	7.4.0	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	N1
NP-000670	04.64	A148		8.5.0	R99	Correction of IOV-UI negotiation	approved	A	8.6.0	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	N1
NP-000675	04.65	A072		8.1.0	Rel-4	Support of V.44 Data Compression in SNDCP	approved	C	4.0.0	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	N1
NP-000687	04.65	A073		8.1.0	R99	Support of V.44 Data Compression in SNDCP	rejected	F		Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	N1
NP-000673	09.08	A140		8.0.0	R99	Addition of Common Id procedure on the E-interface	approved	F	8.1.0	Application of the Base Station System Application Part (BSSAP) on the E-Interface	N1
NP-000671	23.009	013		3.4.0	R99	GSM to UMTS Handover: Directed Retry	approved	F	3.5.0	Handover procedures	N1
NP-000671	23.009	014		3.4.0	R99	GSM to UMTS Handover: MAP parameter Target Cell ID	approved	F	3.5.0	Handover procedures	N1
NP-000677	23.009	015	2	3.4.0	R99	GSM to UMTS Handover: Location Reporting in 3G MSC B	withdrawn	F		Handover procedures	N1
NP-000724	23.009	015	2	3.4.0	R99	GSM to UMTS Handover: Location Reporting in 3G MSC B	approved	F	3.5.0	Handover procedures	N1
NP-000671	23.009	016	1	3.4.0	R99	Subsequent Handover procedure corrections	approved	F	3.5.0	Handover procedures	N1
NP-000671	23.009	017	3	3.4.0	R99	Missing Subsequent Handover scenarios	approved	F	3.5.0	Handover procedures	N1
NP-000686	23.009	018	2	3.4.0	R99	GSM to UMTS Handover: Location Reporting in 3G MSC B - SDIs	withdrawn	F		Handover procedures	N1
NP-000673	23.009	019		3.4.0	R99	Reference clean-up	approved	F	3.5.0	Handover procedures	N1
NP-000671	23.009	020	1	3.4.0	R99	Indication of Intra-MSC Intersystem handover from 3G_MSC-B to MSC-A/3G_MSC-A	approved	F	3.5.0	Handover procedures	N1
NP-000671	23.009	021	1	3.4.0	R99	UMTS to GSM handover: Directed Retry	approved	F	3.5.0	Handover procedures	N1
NP-000674	23.034	005		3.2.0	R99	Terminology corrections	approved	F	3.3.0	High Speed Circuit Switched Data (HSCSD) - Stage 2	N1
NP-000674	23.122	010	1	3.4.2	R99	Correction of terminology "In UMTS", "In GSM"	approved	F	3.5.0	Non Access Stratum functions related to Mobile Station (MS) in idle mode	N1
NP-000671	23.122	012		3.4.2	R99	Restoration of figure A.1	approved	F	3.5.0	Non Access Stratum functions related to Mobile Station (MS) in idle mode	N1
NP-000671	23.122	013		3.4.2	R99	Alignment of figure 2a with PLMN selection for UMTS	approved	F	3.5.0	Non Access Stratum functions related to Mobile Station (MS) in idle mode	N1
NP-000673	24.002	001	2	3.0.0	R99	CR 24.002 on Adaptations for UMTS	approved	F	3.1.0	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	N1
NP-000673	24.007	024		3.5.0	R99	Removal of Flow Id from RR-SAP	approved	F	3.6.0	Mobile Radio Interface Signalling Layer 3 - General Aspects	N1
NP-000670	24.007	025	1	3.5.0	R99	RABMAS-SAP and RABMSM-SAP adaptation for Handling of unsynchronized PDP contexts	approved	F	3.6.0	Mobile Radio Interface Signalling Layer 3 - General Aspects	N1

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NP-000671	24.007	027		3.5.0	R99	Updating CS/PS protocol architecture figure with RABM	approved	F	3.6.0	Mobile Radio Interface Signalling Layer 3 - General Aspects	N1
NP-000671	24.007	028		3.5.0	R99	Alignment of 24.007 to other specs	approved	F	3.6.0	Mobile Radio Interface Signalling Layer 3 - General Aspects	N1
NP-000671	24.008	240	2	3.5.0	R99	Correction on TFT setting condition	approved	F	3.6.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1
NP-000667	24.008	262	1	4.0.0	Rel-4	The Group or Broadcast Call Reference from the mobile station to the network	approved	C	4.1.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1
NP-000668	24.008	263	1	3.5.0	R99	Introduction of EGPRS for DTM	approved	F	3.6.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1
NP-000669	24.008	264	1	4.0.0	Rel-4	GSM 700 addition into MS classmark & radio access capability IE	approved	F	4.1.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1
NP-000670	24.008	267		3.5.0	R99	Clarification to the network initiated GPRS detach procedure (IMSI detach)	approved	F	3.6.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1
NP-000670	24.008	268		4.0.0	Rel-4	Clarification to the network initiated GPRS detach procedure (IMSI detach)	approved	A	4.1.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1
NP-000670	24.008	269	2	3.5.0	R99	Unsynchronized PDP contexts handling - MS less	approved	F	3.6.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1
NP-000670	24.008	271	1	3.5.0	R99	APN used for detection of duplicated PDP context activation	approved	F	3.6.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1
NP-000670	24.008	277		3.5.0	R99	Correction of update status on Authentication Reject	approved	A	3.6.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1
NP-000670	24.008	278		4.0.0	Rel-4	Correction of update status on Authentication Reject	approved	A	4.1.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1
NP-000671	24.008	282		3.5.0	R99	Description of Timer T3317on expiry	approved	F	3.6.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1
NP-000671	24.008	283		4.0.0	Rel-4	Description Of Timer T3317 on expiry	approved	A	4.1.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1
NP-000671	24.008	284		3.5.0	R99	RR connection replaced with PS signalling connection	approved	F	3.6.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1
NP-000671	24.008	285	2	3.5.0	R99	Removal of "recently deactivated" condition for PDP contexts and some references corrections	approved	F	3.6.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1

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NP-000671	24.008	286	2	4.0.0	Rel-4	Removal of "recently deactivated" condition for PDP contexts and some references corrections	approved	A	4.1.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1
NP-000672	24.008	289	2	3.5.0	R99	The application of security procedures to emergency calls	approved	F	3.6.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1
NP-000672	24.008	290	2	4.0.0	Rel-4	The application of security procedures to emergency calls	approved	A	4.1.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1
NP-000671	24.008	294	1	3.5.0	R99	Updating of Bearer Capability IE	approved	F	3.6.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1
NP-000671	24.008	295	1	4.0.0	Rel-4	Updating of Bearer Capability IE	approved	A	4.1.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1
NP-000673	24.008	300		3.5.0	R99	3.1 kHz multimedia calls at 33.6 kbit/s data rate	approved	F	3.6.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1
NP-000673	24.008	301		4.0.0	Rel-4	3.1 kHz multimedia calls at 33.6 kbit/s data rate	approved	A	4.1.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1
NP-000673	24.008	302		3.5.0	R99	32 kbit/s UDI/RDI multimedia	approved	F	3.6.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1
NP-000673	24.008	303		4.0.0	Rel-4	32 kbit/s UDI/RDI multimedia	approved	A	4.1.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1
NP-000670	24.008	306	1	3.5.0	R99	Clarification of response handling of Service Request	approved	F	3.6.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1
NP-000670	24.008	307	2	3.5.0	R99	Clarification of RAB re-establishment	approved	F	3.6.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1
NP-000672	24.008	308		3.5.0	R99	Correction of the timer list	approved	F	3.6.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1
NP-000670	24.008	309	1	3.5.0	R99	Correction of PDP context duplication handling	approved	F	3.6.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1
NP-000676	24.008	310	1	4.0.0	Rel-4	Change of reference to 26.103 for use of codec bitmap in the Supported Codec List	approved	F	4.1.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1
NP-000668	24.008	311		4.0.0	Rel-4	Introduction of EGPRS for DTM	approved	A	4.1.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1
NP-000670	24.008	312		4.0.0	Rel-4	Clarification of response handling of Service Request	approved	A	4.1.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1

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NP-000670	24.008	313		4.0.0	Rel-4	Clarification of RAB re-establishment	approved	A	4.1.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1
NP-000670	24.008	314		4.0.0	Rel-4	APN used for detection of duplicated PDP context activation	approved	A	4.1.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1
NP-000670	24.008	315	1	4.0.0	Rel-4	Unsynchronized PDP contexts handling - MS less	approved	A	4.1.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1
NP-000671	24.008	317		4.0.0	Rel-4	Correction on TFT setting condition	approved	A	4.1.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1
NP-000672	24.008	318		4.0.0	Rel-4	Correction of the timer list	approved	A	4.1.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1
NP-000670	24.008	319		4.0.0	Rel-4	Correction of PDP context duplication handling	approved	A	4.1.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1
NP-000670	24.008	320		3.5.0	R99	DRX parameter range correction	approved	F	3.6.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1
NP-000670	24.008	321		4.0.0	Rel-4	DRX parameter range correction	approved	A	4.1.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1
NP-000671	24.008	323		4.0.0	Rel-4	RR connection replaced with PS signalling connection	approved	A	4.1.0	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	N1
NP-000674	24.011	011	1	3.4.0	R99	Terminology CR	approved	F	3.5.0	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	N1
NP-000673	24.011	012		3.4.0	R99	Modifications of references	approved	F	3.5.0	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	N1
NP-000674	29.018	011		3.4.1	R99	Terminology corrections	approved	F	3.5.0	Serving GPRS Support Mode SGSN - Visitors Location Register (VLR); Gs Interface Layer 3 Specification	N1
NP-000667	43.068	004		4.1.1	Rel-4	Call Waiting is not applicable to an originator/talker in dedicated mode	approved	F	4.2.0	Voice Group Call Service (VGCS); Stage 2	N1
NP-000667	43.068	005		4.1.1	Rel-4	Wrong Field Name for OTDI	approved	F	4.2.0	Voice Group Call Service (VGCS); Stage 2	N1
NP-000667	43.068	006	1	4.1.1	Rel-4	DTMF precision	approved	F	4.2.0	Voice Group Call Service (VGCS); Stage 2	N1
NP-000667	43.069	003		4.1.1	Rel-4	Call Waiting is not applicable to an originator in dedicated mode	approved	F	4.2.0	Voice Broadcast service (VBS); Stage 2	N1
NP-000667	43.069	004		4.1.1	Rel-4	Wrong Field Name for OTDI	approved	F	4.2.0	Voice Broadcast service (VBS); Stage 2	N1
NP-000667	43.069	005	1	4.1.1	Rel-4	DTMF precision	approved	F	4.2.0	Voice Broadcast service (VBS); Stage 2	N1
NP-000614	03.78	A159	5	6.7.0	R97	Correction on CF notification	Approved	F	6.8.0	CAMEL Phase 2; Stage 2	N2
NP-000614	03.78	A160	5	7.4.0	R98	Correction on CF notification	Approved	A	7.5.0	CAMEL Phase 2; Stage 2	N2
NP-000615	23.078	221	3	3.6.0	R99	Correction on CAMEL CF and OR	Approved	F	3.7.0	CAMEL Stage 2	N2
NP-000615	23.078	222	1	3.6.0	R99	Corrections in clauses 3 and 4	Approved	F	3.7.0	CAMEL Stage 2	N2

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NP-000615	23.078	223	1	3.6.0	R99	Clarification for the relationship for DPs	Approved	F	3.7.0	CAMEL Stage 2	N2
NP-000615	23.078	224	2	3.6.0	R99	Clarification for the CUG data in Initial DP	Approved	F	3.7.0	CAMEL Stage 2	N2
NP-000615	23.078	225	1	3.6.0	R99	Correction on the SDL CAMEL_Store_Destination_Address	Approved	F	3.7.0	CAMEL Stage 2	N2
NP-000615	23.078	226		3.6.0	R99	Correction on the SDL gsmSSF	Approved	F	3.7.0	CAMEL Stage 2	N2
NP-000615	23.078	228	3	3.6.0	R99	Correction for ambiguous description in clause 10 and 11	Approved	F	3.7.0	CAMEL Stage 2	N2
NP-000615	23.078	229	1	3.6.0	R99	Clarification on GPRS 'guard timer'	Approved	F	3.7.0	CAMEL Stage 2	N2
NP-000615	23.078	230	1	3.6.0	R99	Specifying timer range values	Approved	F	3.7.0	CAMEL Stage 2	N2
NP-000615	23.078	231		3.6.0	R99	Correction to 'Initial DP SMS' Information Flow	Approved	F	3.7.0	CAMEL Stage 2	N2
NP-000616	23.078	232	4	3.6.0	R99	First set of corrections of paragraph 6 GPRS	Revised	F		CAMEL Stage 2	N2
NP-000714	23.078	232	4	3.6.0	R99	First set of corrections of paragraph 6 GPRS	Approved	F	3.7.0	CAMEL Stage 2	N2
NP-000615	23.078	233	3	3.6.0	R99	Second set of corrections of paragraph 6 GPRS	Approved	F	3.7.0	CAMEL Stage 2	N2
NP-000615	23.078	235		3.6.0	R99	Correction on error implementing a CR 23.078-159r1	Approved	F	3.7.0	CAMEL Stage 2	N2
NP-000615	23.078	236		3.6.0	R99	Correction on error implementing a CR 23.078-194r3	Approved	F	3.7.0	CAMEL Stage 2	N2
NP-000615	23.078	237		3.6.0	R99	CallGap IF correction	Approved	F	3.7.0	CAMEL Stage 2	N2
NP-000615	23.078	238		3.6.0	R99	CAMEL3 removal of duplicate RAI	Approved	F	3.7.0	CAMEL Stage 2	N2
NP-000618	23.078	239		3.6.0	R99	Check_Gap_Criteria correction	Approved	F	3.7.0	CAMEL Stage 2	N2
NP-000615	23.078	244		3.6.0	R99	GsmSSF state transition in the case of Abandon/Disconnect is armed as an EDP-N, or when they are not armed	Approved	F	3.7.0	CAMEL Stage 2	N2
NP-000616	23.078	247		3.6.0	R99	Request more than one SS data and/or CSI in one ATSI request	Rejected	F		CAMEL Stage 2	N2
NP-000616	23.078	248	2	3.6.0	R99	Improved description of the location information in SGSN	Revised	F		CAMEL Stage 2	N2
NP-000714	23.078	248	2	3.6.0	R99	Improved description of the location information in SGSN	Approved	F	3.7.0	CAMEL Stage 2	N2
NP-000714	23.078	249	2	3.6.0	R99	Error handling in ATSI	Approved	F	3.7.0	CAMEL Stage 2	N2
NP-000616	23.078	249	2	3.6.0	R99	Error handling in ATSI	Revised	F		CAMEL Stage 2	N2
NP-000616	23.078	250	2	3.6.0	R99	Additional clarification for ATM	Revised	F		CAMEL Stage 2	N2
NP-000714	23.078	250	2	3.6.0	R99	Additional clarification for ATM	Approved	F	3.7.0	CAMEL Stage 2	N2
NP-000714	23.078	255		3.6.0	R99	Introduction of GGSN Address	Approved	F	3.7.0	CAMEL Stage 2	N2
NP-000616	23.078	255		3.6.0	R99	Introduction of GGSN Address	Revised	F		CAMEL Stage 2	N2
NP-000715	29.078	118	3	3.5.0	R99	Correction on CAMEL CF and OR	Approved	F	3.6.0	CAMEL; Stage 3	N2
NP-000617	29.078	118	3	3.5.0	R99	Correction on CAMEL CF and OR	Revised	F		CAMEL; Stage 3	N2
NP-000617	29.078	119		3.5.0	R99	Correction of Cause and GPRSCause	Revised	F		CAMEL; Stage 3	N2
NP-000715	29.078	119		3.5.0	R99	Correction of Cause and GPRSCause	Approved	F	3.6.0	CAMEL; Stage 3	N2
NP-000715	29.078	121	1	3.5.0	R99	Correction to CAP3 GPRS-cause	Approved	F	3.6.0	CAMEL; Stage 3	N2
NP-000617	29.078	121	1	3.5.0	R99	Correction to CAP3 GPRS-cause	Revised	F		CAMEL; Stage 3	N2
NP-000617	29.078	122	2	3.5.0	R99	CAMEL3 removal of duplicate RAI	Revised	F		CAMEL; Stage 3	N2
NP-000715	29.078	122	2	3.5.0	R99	CAMEL3 removal of duplicate RAI	Approved	F	3.6.0	CAMEL; Stage 3	N2
NP-000617	29.078	123		3.5.0	R99	Editorial replacement of TCAP by TC	Revised	D		CAMEL; Stage 3	N2
NP-000617	29.078	124	1	3.5.0	R99	Editoral corrections to stage 3	Revised	D		CAMEL; Stage 3	N2
NP-000741	29.078	124	2	3.5.0	R99	Corrections to ASN.1 errors	Approved	F	3.6.0	CAMEL; Stage 3	N2
NP-000723	29.078	124	2	3.5.0	R99	Editoral corrections to stage 3	Revised	F		CAMEL; Stage 3	N2
NP-000617	29.078	125	1	3.5.0	R99	Corrections of the stage 3 inconsistences	Revised	F		CAMEL; Stage 3	N2
NP-000715	29.078	125	1	3.5.0	R99	Corrections of the stage 3 inconsistences	Approved	F	3.6.0	CAMEL; Stage 3	N2
NP-000617	29.078	126		3.5.0	R99	"ElapsedTime" ASN.1 Type Correction (in ACR-GPRS)	Revised	F		CAMEL; Stage 3	N2
NP-000715	29.078	126		3.5.0	R99	"ElapsedTime" ASN.1 Type Correction (in ACR-GPRS)	Approved	F	3.6.0	CAMEL; Stage 3	N2

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NP-000715	29.078	127	1	3.5.0	R99	CAMEL3 ASN.1 reserved word "ms" replacement by "mobile"	Approved	F	3.6.0	CAMEL; Stage 3	N2
NP-000617	29.078	127	1	3.5.0	R99	CAMEL3 ASN.1 reserved word "ms" replacement by "mobile"	Revised	F		CAMEL; Stage 3	N2
NP-000715	29.078	128	3	3.5.0	R99	Correction of Apply Charging Report parameter definition	Approved	F	3.6.0	CAMEL; Stage 3	N2
NP-000617	29.078	128	3	3.5.0	R99	Correction of Apply Charging Report parameter definition	Revised	F		CAMEL; Stage 3	N2
NP-000715	29.078	130	1	3.5.0	R99	Addition of a parameter to indicate the SAI	Approved	F	3.6.0	CAMEL; Stage 3	N2
NP-000617	29.078	130	1	3.5.0	R99	Addition of a parameter to indicate the SAI	Revised	F		CAMEL; Stage 3	N2
NP-000617	29.078	131		3.5.0	R99	Correction of Apply Charging Report GPRS definition	Revised	F		CAMEL; Stage 3	N2
NP-000715	29.078	131		3.5.0	R99	Correction of Apply Charging Report GPRS definition	Approved	F	3.6.0	CAMEL; Stage 3	N2
NP-000715	29.078	135	1	3.5.0	R99	Introduction of GGSN Address	Approved	F	3.6.0	CAMEL; Stage 3	N2
NP-000617	29.078	135	1	3.5.0	R99	Introduction of GGSN Address	Revised	F		CAMEL; Stage 3	N2
NP-000715	29.078	136	1	3.5.0	R99	Introduction of ellipsis for GPRS CAPv3	Approved	F	3.6.0	CAMEL; Stage 3	N2
NP-000617	29.078	136	1	3.5.0	R99	Introduction of ellipsis for GPRS CAPv3	Revised	F		CAMEL; Stage 3	N2
NP-000604	03.10	A013		8.2.0	R99	TCH/F32.0 reference models	approved	F	8.3.0	GSM Public Land Mobile Network (PLMN) Connection Types	N3
NP-000606	03.10	A014		8.3.0	Rel-4	Removal of BS 30 NT	approved	C	4.0.0	GSM Public Land Mobile Network (PLMN) Connection Types	N3
NP-000604	04.21	A020		8.2.0	R99	Removal of the 1200/75 bit/s data rate and general clean-up	approved	F	8.3.0	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	N3
NP-000605	04.21	A021		8.2.0	R99	Handover for 56kbit/s	approved	F	8.3.0	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	N3
NP-000606	04.21	A022		8.3.0	Rel-4	Removal of BS 30 NT	approved	C	4.0.0	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	N3
NP-000604	08.20	A009		8.2.0	R99	Removal of the 1200/75 bit/s data rate and general clean-up	approved	F	8.3.0	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	N3
NP-000605	23.910	018		3.2.0	R99	Handover for 56kbit/s	approved	F	3.3.0	Circuit Switched Data Bearer Services	N3
NP-000605	23.910	019		4.0.1	Rel-4	Handover for 56kbit/s	approved	A	4.1.0	Circuit Switched Data Bearer Services	N3
NP-000604	27.001	041		3.6.0	R99	Correction for 32 kbit/s UDI/RDI	approved	F	3.7.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-000604	27.001	042		4.1.0	Rel-4	Correction for 32 kbit/s UDI/RDI	approved	A	4.2.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-000606	27.001	043		4.1.0	Rel-4	Removal of BS 30 NT	approved	C	4.2.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-000605	27.001	044		4.1.0	Rel-4	Handover for 56kbit/s	approved	A	4.2.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-000605	27.001	045		3.6.0	R99	Handover for 56kbit/s	approved	F	3.7.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-000606	27.003	007		3.5.0	Rel-4	Removal of BS 30 NT	approved	C	4.0.0	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	N3
NP-000605	29.007	031		3.6.0	R99	Handover for 56kbit/s	approved	F	3.7.0	General requirements on Interworking between the PLMN and the ISDN or PSTN	N3
NP-000605	29.007	032		4.0.0	Rel-4	Handover for 56kbit/s	approved	A	4.1.0	General requirements on Interworking between the PLMN and the ISDN or PSTN	N3

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NP-000606	29.007	033		4.0.0	Rel-4	Removal of BS 30 NT	approved	C	4.1.0	General requirements on Interworking between the PLMN and the ISDN or PSTN	N3
NP-000722	03.67	A006	3	7.1.0	R98	removal of wrong description	approved	F	7.2.0	Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2	N4
NP-000646	09.02	A308	2	7.6.0	R98	Corrections and clarifications for USSD procedures on the HLR - gsmSCF interface	approved	A	7.7.0	Mobile Application Part (MAP) Specification	N4
NP-000646	09.02	A309	2	6.9.0	R97	Corrections and clarifications for USSD procedures on the HLR - gsmSCF interface	approved	F	6.10.0	Mobile Application Part (MAP) Specification	N4
NP-000635	09.02	A313		6.9.0	R97	Clarification in supported Camel Phases	approved	F	6.10.0	Mobile Application Part (MAP) Specification	N4
NP-000635	09.02	A314		7.6.0	R98	Clarification in supported Camel Phases	approved	A	7.7.0	Mobile Application Part (MAP) Specification	N4
NP-000642	23.003	024		3.6.0	R99	Moving of Annex A to 3G TS 23.003.	approved	F	3.7.0	Numbering, Addressing and Identification	N4
NP-000650	23.018	064		4.0.0	Rel-4	Tidying up of Process Subs_FSM and inter-process signals.	approved	C	4.1.0	Basic Call Handling - Technical realisation	N4
NP-000639	23.067	002	2	3.1.0	R99	Recommendation to include priority in the call proceeding message if the network is supporting eMLPP.	approved	F	3.2.0	Enhanced Multi-Level Precedence and Preemption Service (EMLPP) - Stage 2	N4
NP-000649	23.067	004		3.1.0	Rel-4	VGCS, VBS and eMLPP are not specific for this document. Those abbreviations are already described in 21.905.	approved	D	4.0.0	Enhanced Multi-Level Precedence and Preemption Service (EMLPP) - Stage 2	N4
NP-000649	23.067	005	1	3.1.0	Rel-4	To describe the MS solution when priority in paging and setup are not the same	approved	C	4.0.0	Enhanced Multi-Level Precedence and Preemption Service (EMLPP) - Stage 2	N4
NP-000649	23.067	006	1	3.1.0	Rel-4	Automatic answering	approved	C	4.0.0	Enhanced Multi-Level Precedence and Preemption Service (EMLPP) - Stage 2	N4
NP-000722	23.067	007	3	3.1.0	R99	Rewording of the automatic answering to avoid any misunderstanding, and to underline that automatic answering applies in idle mode or in case of called party preemption	approved	A	3.2.0	Enhanced Multi-Level Precedence and Preemption Service (EMLPP) - Stage 2	N4
NP-000639	23.067	008	1	3.1.0	R99	UTMS	approved	F	3.2.0	Enhanced Multi-Level Precedence and Preemption Service (EMLPP) - Stage 2	N4
NP-000648	23.079	016	2	3.6.0	Rel-4	Introduction of CAMEL support for OR	postponed	B	4.0.0	Support of Optimal Routeing - Phase 1 - Stage 2	N4
NP-000640	23.082	009	1	3.4.0	R99	Correction of message between VLR and HLR.	approved	F	3.5.0	Call Forwarding (CF) Supplementary Services - Stage 2	N4
NP-000639	24.067	001	1	3.0.0	R99	eMLPP correction for GSM/UMTS use	approved	F	3.1.0	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP) - Stage 3	N4
NP-000639	24.067	002	3	3.0.0	R99	eMLPP correction for GSM/UMTS use	approved	F	3.1.0	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP) - Stage 3	N4
NP-000646	29.002	166	3	4.1.0	Rel-4	Corrections and clarifications for USSD procedures on the HLR - gsmSCF interface	approved	A	4.2.0	Mobile Application Part (MAP)	N4
NP-000646	29.002	167	3	3.6.0	R99	Corrections and clarifications for USSD procedures on the HLR - gsmSCF interface	approved	A	3.7.0	Mobile Application Part (MAP)	N4
NP-000716	29.002	190	1	3.6.0	R99	Corrections of ISD data structure for CAME phase 3	approved	F	3.7.0	Mobile Application Part (MAP)	N4
NP-000716	29.002	191	1	4.1.0	Rel-4	Corrections of ISD data structure for CAME phase 3	approved	A	4.2.0	Mobile Application Part (MAP)	N4
NP-000647	29.002	192	2	3.6.0	R99	USSD corrections for Follow Me	approved	F	3.7.0	Mobile Application Part (MAP)	N4
NP-000647	29.002	193	2	4.1.0	Rel-4	USSD corrections for Follow Me	approved	A	4.2.0	Mobile Application Part (MAP)	N4
NP-000643	29.002	195	1	3.6.0	R99	GSM to 3G Handover: MAP parameter Target Cell ID	approved	F	3.7.0	Mobile Application Part (MAP)	N4
NP-000643	29.002	196	1	4.1.0	Rel-4	GSM to 3G Handover: MAP parameter Target Cell ID	approved	A	4.2.0	Mobile Application Part (MAP)	N4

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NP-000643	29.002	197		3.6.0	R99	ASN.1 description of TargetCellId in MAP	approved	F	3.7.0	Mobile Application Part (MAP)	N4
NP-000643	29.002	198		4.1.0	Rel-4	ASN.1 description of TargetCellId in MAP	approved	A	4.2.0	Mobile Application Part (MAP)	N4
NP-000643	29.002	199	1	3.6.0	R99	IMSI in MAP PREPARE_HANDOVER	approved	F	3.7.0	Mobile Application Part (MAP)	N4
NP-000643	29.002	200	1	4.1.0	Rel-4	IMSI in MAP PREPARE_HANDOVER	approved	A	4.2.0	Mobile Application Part (MAP)	N4
NP-000643	29.002	207	1	3.6.0	R99	Alignment of the Target RNC-ID	approved	F	3.7.0	Mobile Application Part (MAP)	N4
NP-000643	29.002	208	1	4.1.0	Rel-4	Alignment of the Target RNC-ID	approved	A	4.2.0	Mobile Application Part (MAP)	N4
NP-000643	29.002	209		3.6.0	R99	Transport of long RANAP messages on MAP-E interface	approved	F	3.7.0	Mobile Application Part (MAP)	N4
NP-000716	29.002	210	1	3.6.0	R99	Indroduction of GGSN address	approved	F	3.7.0	Mobile Application Part (MAP)	N4
NP-000716	29.002	211	1	4.1.0	Rel-4	Indroduction of GGSN address	approved	A	4.2.0	Mobile Application Part (MAP)	N4
NP-000643	29.002	212		4.1.0	Rel-4	Transport of long RANAP messages on MAP-E interface	approved	A	4.2.0	Mobile Application Part (MAP)	N4
NP-000636	29.002	213		3.6.0	R99	ATSI correction	rejected	F		Mobile Application Part (MAP)	N4
NP-000636	29.002	214		4.1.0	Rel-4	ATSI correction	rejected	A		Mobile Application Part (MAP)	N4
NP-000643	29.010	008		3.3.0	R99	GSM to 3G Handover: Location Reporting in 3G_MSC-B	approved	F	3.4.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4
NP-000643	29.010	009		3.3.0	R99	GSM to 3G Handover: Chosen IEs in Handover Request Ack	approved	F	3.4.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4
NP-000643	29.010	010		3.3.0	R99	GSM to 3G Handover: MAP parameter Target Cell ID	approved	F	3.4.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4
NP-000643	29.010	011	1	3.3.0	R99	GSM/UMTS Interworking: Mapping of cause codes	approved	F	3.4.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4
NP-000641	29.060	136	2	3.6.0	R99	Compatibility GTPv0/GTPv1 in case of SGSN change	approved	F	3.7.0	GPRS Tunnelling protocol (GTP) across the Gn and Gp interface	N4
NP-000642	29.060	149		3.6.0	R99	Clarification on the use of Teardown Indicator	approved	F	3.7.0	GPRS Tunnelling protocol (GTP) across the Gn and Gp interface	N4
NP-000642	29.060	150		3.6.0	R99	Correction to the PDU Notification	approved	F	3.7.0	GPRS Tunnelling protocol (GTP) across the Gn and Gp interface	N4
NP-000641	29.060	151	1	3.6.0	R99	Editorial corrections	approved	F	3.7.0	GPRS Tunnelling protocol (GTP) across the Gn and Gp interface	N4
NP-000642	29.060	152		3.6.0	R99	Moving informative Annex A from 3G TS 29.060 and making it normative.	approved	F	3.7.0	GPRS Tunnelling protocol (GTP) across the Gn and Gp interface	N4
NP-000641	29.060	153	2	3.6.0	R99	Selecting GGSN IP address	approved	F	3.7.0	GPRS Tunnelling protocol (GTP) across the Gn and Gp interface	N4

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NP-000638	29.060	154	1	3.6.0	R99	Removal of 'Version not Supported' for GTP-U	approved	F	3.7.0	GPRS Tunnelling protocol (GTP) across the Gn and Gp interface	N4
NP-000637	29.060	157		3.6.0	R99	Correction of Security parameters length	approved	F	3.7.0	GPRS Tunnelling protocol (GTP) across the Gn and Gp interface	N4
NP-000641	29.060	159		3.6.0	R99	MS Network Capability in MM context	approved	F	3.7.0	GPRS Tunnelling protocol (GTP) across the Gn and Gp interface	N4
NP-000637	29.060	161		3.6.0	R99	Clarifications to the usage of CKSN and KSI for security type 0	approved	F	3.7.0	GPRS Tunnelling protocol (GTP) across the Gn and Gp interface	N4
NP-000622	29.198	025		3.1.0	R99	Removal of the originatingAddress from the connectReq method in IpDataSession	Withdrawn	F		Open Services Architecture API part 1	N5
NP-000700	29.198	025		3.1.0	R99	Removal of the originatingAddress from the connectReq method in IpDataSession	Revised	F		Open Services Architecture API part 1	N5
NP-000718	29.198	025		3.1.0	R99	Removal of the originatingAddress from the connectReq method in IpDataSession	Approved	F	3.2.0	Open Services Architecture API part 1	N5
NP-000622	29.198	026	1	3.1.0	R99	Alignment between new ETSI document for common data and TS29.198	Withdrawn	F		Open Services Architecture API part 1	N5
NP-000718	29.198	026	1	3.1.0	R99	Alignment between new ETSI document for common data and TS29.198	Approved	F	3.2.0	Open Services Architecture API part 1	N5
NP-000700	29.198	026	1	3.1.0	R99	Alignment between new ETSI document for common data and TS29.198	Revised	F		Open Services Architecture API part 1	N5
NP-000700	29.198	027		3.1.0	R99	Correction of the type TpTerminalCapabilities	Revised	F		Open Services Architecture API part 1	N5
NP-000718	29.198	027		3.1.0	R99	Correction of the type TpTerminalCapabilities	Approved	F	3.2.0	Open Services Architecture API part 1	N5
NP-000622	29.198	027		3.1.0	R99	Correction of the type TpTerminalCapabilities	Withdrawn	F		Open Services Architecture API part 1	N5
NP-000700	29.198	028		3.1.0	R99	Incorrect Date and Time example in Data Definitions	Revised	F		Open Services Architecture API part 1	N5
NP-000622	29.198	028		3.1.0	R99	Incorrect Date and Time example in Data Definitions	Withdrawn	F		Open Services Architecture API part 1	N5
NP-000718	29.198	028		3.1.0	R99	Incorrect Date and Time example in Data Definitions	Approved	F	3.2.0	Open Services Architecture API part 1	N5
NP-000622	29.198	029		3.1.0	R99	Double IDL definition for TpGCCSException	Withdrawn	F		Open Services Architecture API part 1	N5
NP-000700	29.198	029		3.1.0	R99	Double IDL definition for TpGCCSException	Revised	F		Open Services Architecture API part 1	N5
NP-000718	29.198	029		3.1.0	R99	Double IDL definition for TpGCCSException	Approved	F	3.2.0	Open Services Architecture API part 1	N5
NP-000700	29.198	030		3.1.0	R99	Parameter EnabledOrDisbled in TpServiceTypeDescription	Revised	F		Open Services Architecture API part 1	N5
NP-000718	29.198	030		3.1.0	R99	Parameter EnabledOrDisbled in TpServiceTypeDescription	Approved	F	3.2.0	Open Services Architecture API part 1	N5
NP-000622	29.198	030		3.1.0	R99	Parameter EnabledOrDisbled in TpServiceTypeDescription	Withdrawn	F		Open Services Architecture API part 1	N5
NP-000700	29.198	031		3.1.0	R99	readonly is an IDL keyword	Revised	F		Open Services Architecture API part 1	N5
NP-000718	29.198	031		3.1.0	R99	readonly is an IDL keyword	Approved	F	3.2.0	Open Services Architecture API part 1	N5
NP-000622	29.198	031		3.1.0	R99	readonly is an IDL keyword	Withdrawn	F		Open Services Architecture API part 1	N5
NP-000700	29.198	032		3.1.0	R99	Error correction in the Scope definition, section 1	Revised	F		Open Services Architecture API part 1	N5
NP-000622	29.198	032		3.1.0	R99	Error correction in the Scope definition, section 1	Withdrawn	F		Open Services Architecture API part 1	N5
NP-000718	29.198	032		3.1.0	R99	Error correction in the Scope definition, section 1	Approved	F	3.2.0	Open Services Architecture API part 1	N5
NP-000622	29.198	033	1	3.1.0	R99	Missing syntax and semantics description for security parameter	Withdrawn	F		Open Services Architecture API part 1	N5
NP-000718	29.198	034		3.1.0	R99	Specific exceptions for method invocations in invalid states	Approved	F	3.2.0	Open Services Architecture API part 1	N5
NP-000622	29.198	034		3.1.0	R99	Specific exceptions for method invocations in invalid states	Withdrawn	F		Open Services Architecture API part 1	N5
NP-000700	29.198	034		3.1.0	R99	Specific exceptions for method invocations in invalid states	Revised	F		Open Services Architecture API part 1	N5
NP-000700	29.198	035		3.1.0	R99	Unclear default value for TpAccessType	Revised	F		Open Services Architecture API part 1	N5

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NP-000718	29.198	035		3.1.0	R99	Unclear default value for TpAccessType	Approved	F	3.2.0	Open Services Architecture API part 1	N5
NP-000622	29.198	035		3.1.0	R99	Unclear default value for TpAccessType	Withdrawn	F		Open Services Architecture API part 1	N5
NP-000718	29.198	036	1	3.1.0	R99	Unclear description for TpAuthType	Approved	F	3.2.0	Open Services Architecture API part 1	N5
NP-000622	29.198	036	1	3.1.0	R99	Unclear description for TpAuthType	Withdrawn	F		Open Services Architecture API part 1	N5
NP-000700	29.198	036	1	3.1.0	R99	Unclear description for TpAuthType	Revised	F		Open Services Architecture API part 1	N5
NP-000622	29.198	037		3.1.0	R99	TpInterfaceName in method obtainInterface()	Withdrawn	F		Open Services Architecture API part 1	N5
NP-000718	29.198	037		3.1.0	R99	TpInterfaceName in method obtainInterface()	Approved	F	3.2.0	Open Services Architecture API part 1	N5
NP-000700	29.198	037		3.1.0	R99	TpInterfaceName in method obtainInterface()	Revised	F		Open Services Architecture API part 1	N5
NP-000718	29.198	038		3.1.0	R99	Correction on numbering in TpCallAppInfoType	Approved	F	3.2.0	Open Services Architecture API part 1	N5
NP-000622	29.198	038		3.1.0	R99	Correction on numbering in TpCallAppInfoType	Withdrawn	F		Open Services Architecture API part 1	N5
NP-000700	29.198	038		3.1.0	R99	Correction on numbering in TpCallAppInfoType	Revised	F		Open Services Architecture API part 1	N5
NP-000622	29.198	039		3.1.0	R99	Addition of MonitorMode in TpCallEventInfo	Withdrawn	F		Open Services Architecture API part 1	N5
NP-000700	29.198	039		3.1.0	R99	Addition of MonitorMode in TpCallEventInfo	Revised	F		Open Services Architecture API part 1	N5
NP-000718	29.198	039		3.1.0	R99	Addition of MonitorMode in TpCallEventInfo	Approved	F	3.2.0	Open Services Architecture API part 1	N5
NP-000718	29.198	040		3.1.0	R99	Renaming of P_CALL_REPORT_REFUSED_BUSY	Approved	F	3.2.0	Open Services Architecture API part 1	N5
NP-000622	29.198	040		3.1.0	R99	Renaming of P_CALL_REPORT_REFUSED_BUSY	Withdrawn	D		Open Services Architecture API part 1	N5
NP-000700	29.198	040		3.1.0	R99	Renaming of P_CALL_REPORT_REFUSED_BUSY	Revised	D		Open Services Architecture API part 1	N5
NP-000700	29.198	043		3.1.0	R99	Removal of the parameter serviceProperties in the method selectService	Revised	F		Open Services Architecture API part 1	N5
NP-000622	29.198	043		3.1.0	R99	Removal of the parameter serviceProperties in the method selectService	Withdrawn	F		Open Services Architecture API part 1	N5
NP-000718	29.198	043		3.1.0	R99	Removal of the parameter serviceProperties in the method selectService	Approved	F	3.2.0	Open Services Architecture API part 1	N5
NP-000700	29.198	044		3.1.0	R99	Inclusion of missing state transitions in case call related information could not be retrieved.	Revised	F		Open Services Architecture API part 1	N5
NP-000718	29.198	044		3.1.0	R99	Inclusion of missing state transitions in case call related information could not be retrieved.	Approved	F	3.2.0	Open Services Architecture API part 1	N5
NP-000622	29.198	044		3.1.0	R99	Inclusion of missing state transitions in case call related information could not be retrieved.	Withdrawn	F		Open Services Architecture API part 1	N5
NP-000623	29.998	004		3.1.0	R99	Removing the restriction of not being able to invoke subsequent routeReq methods	Revised	F		Open Services Architecture API part 2	N5
NP-000720	29.998	004		3.1.0	R99	Removing the restriction of not being able to invoke subsequent routeReq methods	Approved	F	3.2.0	Open Services Architecture API part 2	N5
NP-000720	29.998	005		3.1.0	R99	Method and operation name corrections and other clarifications in the mapping document	Approved	F	3.2.0	Open Services Architecture API part 2	N5
NP-000623	29.998	005		3.1.0	R99	Method and operation name corrections and other clarifications in the mapping document	Revised	D		Open Services Architecture API part 2	N5
NP-000720	29.998	006		3.1.0	R99	Removal gsmSCFAddress from AnyTimeInterrogationErr in periodicLocationReportErr	Approved	F	3.2.0	Open Services Architecture API part 2	N5
NP-000623	29.998	006		3.1.0	R99	Removal gsmSCFAddress from AnyTimeInterrogationErr in periodicLocationReportErr	Revised	F		Open Services Architecture API part 2	N5
NP-000623	29.998	007		3.1.0	R99	Chapter numbering corrections	Revised	D		Open Services Architecture API part 2	N5
NP-000742	29.998	007	1	3.1.0	R99	Chapter numbering corrections	Approved	F	3.2.0	Open Services Architecture API part 2	N5
NP-000721	29.998	007	1	3.1.0	R99	Chapter numbering corrections	Revised	F		Open Services Architecture API part 2	N5
NP-000720	29.998	008		3.1.0	R99	TriggeredLocationReportErr mapping from a failed AnyTimeModification	Approved	F	3.2.0	Open Services Architecture API part 2	N5

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NP-000623	29.998	008		3.1.0	R99	TriggeredLocationReportErr mapping from a failed AnyTimeModification	Revised	F		Open Services Architecture API part 2	N5
NP-000623	29.998	009		3.1.0	R99	Timestamp in triggeredLocationInformation CSE SCS's local time	Revised	F		Open Services Architecture API part 2	N5
NP-000720	29.998	009		3.1.0	R99	Timestamp in triggeredLocationInformation CSE SCS's local time	Approved	F	3.2.0	Open Services Architecture API part 2	N5
NP-000623	29.998	010		3.1.0	R99	Corrections to the scope in order to allow HLR/SCS configuration in addition to SCS/CSE	Revised	F		Open Services Architecture API part 2	N5
NP-000720	29.998	010		3.1.0	R99	Corrections to the scope in order to allow HLR/SCS configuration in addition to SCS/CSE	Approved	F	3.2.0	Open Services Architecture API part 2	N5
RP-000537	25.211	079	2	3.4.0	R99	Clarification of downlink phase reference	approved	F	3.5.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-000537	25.211	083	1	3.4.0	R99	DL Transmission in the case of invalid data frames	approved	F	3.5.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-000537	25.211	084	-	3.4.0	R99	Clarification of figure 28	approved	F	3.5.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-000537	25.211	087	-	3.4.0	R99	RACH message part length	approved	F	3.5.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-000537	25.211	088	-	3.4.0	R99	Clarifications on power control preambles	approved	F	3.5.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-000537	25.211	089	1	3.4.0	R99	Proposed CR to 25.211 for transfer of CSICH Information from Layer 3 Specification	approved	F	3.5.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-000537	25.211	090	-	3.4.0	R99	PCPCH/DL-DPCCH Timing Relationship	approved	F	3.5.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-000538	25.212	094	2	3.4.0	R99	Correction of BTFD limitations	approved	F	3.5.0	Multiplexing and channel coding (FDD)	R1
RP-000538	25.212	096	-	3.4.0	R99	Compressed mode by puncturing	approved	F	3.5.0	Multiplexing and channel coding (FDD)	R1
RP-000538	25.212	097	-	3.4.0	R99	Clarification on the Ci formula	approved	D	3.5.0	Multiplexing and channel coding (FDD)	R1
RP-000538	25.212	099	-	3.4.0	R99	Editorial modification in RM section	approved	F	3.5.0	Multiplexing and channel coding (FDD)	R1
RP-000538	25.212	100	1	3.4.0	R99	Editorial corrections in TS 25.212	approved	F	3.5.0	Multiplexing and channel coding (FDD)	R1
RP-000538	25.212	101	-	3.4.0	R99	Correction to code block segmentation	approved	F	3.5.0	Multiplexing and channel coding (FDD)	R1
RP-000539	25.213	037	1	3.3.0	R99	Proposed removal of the option of secondary scrambling code for some downlink common channels	approved	F	3.4.0	Spreading and modulation (FDD)	R1
RP-000540	25.214	128	1	3.4.0	R99	Clarification of downlink quality measurement in SSDT	approved	F	3.5.0	Physical layer procedures (FDD)	R1
RP-000540	25.214	129	-	3.4.0	R99	Formula typography and reference corrections	approved	F	3.5.0	Physical layer procedures (FDD)	R1
RP-000540	25.214	130	1	3.4.0	R99	Radio link establishment and sync status reporting	approved	F	3.5.0	Physical layer procedures (FDD)	R1
RP-000540	25.214	133	-	3.4.0	R99	Correction of RACH/CPCH physical random access procedure	approved	F	3.5.0	Physical layer procedures (FDD)	R1
RP-000540	25.214	134	-	3.4.0	R99	Correction of uplink power control algorithm 2	approved	F	3.5.0	Physical layer procedures (FDD)	R1
RP-000540	25.214	135	1	3.4.0	R99	TPC command generation on downlink during RLS initialisation	approved	F	3.5.0	Physical layer procedures (FDD)	R1

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RP-000540	25.214	136	1	3.4.0	R99	Clarification of RACH behaviour at maximum and minimum power	approved	F	3.5.0	Physical layer procedures (FDD)	R1
RP-000540	25.214	137	-	3.4.0	R99	Clarifications on the description of the radio link establishment procedure (when no radio link exists)	approved	F	3.5.0	Physical layer procedures (FDD)	R1
RP-000540	25.214	138	1	3.4.0	R99	Corrections on power control preambles	approved	F	3.5.0	Physical layer procedures (FDD)	R1
RP-000540	25.214	139	1	3.4.0	R99	Clarification of RACH procedure	approved	F	3.5.0	Physical layer procedures (FDD)	R1
RP-000540	25.214	140	-	3.4.0	R99	Uplink power control in compressed mode	approved	F	3.5.0	Physical layer procedures (FDD)	R1
RP-000540	25.214	141	1	3.4.0	R99	Revision of the abbreviation list	approved	F	3.5.0	Physical layer procedures (FDD)	R1
RP-000541	25.215	069	3	3.4.0	R99	Support of parallel compressed mode patterns	approved	F	3.5.0	Physical layer; Measurements (FDD)	R1
RP-000541	25.215	074	1	3.4.0	R99	Clarification of SIRerror measurement during compressed mode	approved	F	3.5.0	Physical layer; Measurements (FDD)	R1
RP-000541	25.215	075	2	3.4.0	R99	Definition of UTRAN RSSI	approved	F	3.5.0	Physical layer; Measurements (FDD)	R1
RP-000541	25.215	076	1	3.4.0	R99	Clarification of GPS timing measurements	approved	F	3.5.0	Physical layer; Measurements (FDD)	R1
RP-000541	25.215	077	2	3.4.0	R99	Clarification of reference point for UE/UTRAN measurements	approved	F	3.5.0	Physical layer; Measurements (FDD)	R1
RP-000541	25.215	078	1	3.4.0	R99	Correction to measurement “Rx-Tx time difference”	approved	F	3.5.0	Physical layer; Measurements (FDD)	R1
RP-000541	25.215	080	1	3.4.0	R99	Clarifications to compressed mode usage	approved	F	3.5.0	Physical layer; Measurements (FDD)	R1
RP-000542	25.221	034	-	3.4.0	R99	Correction on TFCI & TPC Transmission	approved	F	3.5.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-000542	25.221	035	1	3.4.0	R99	Clarifications on Midamble Associations	approved	F	3.5.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-000542	25.221	036	-	3.4.0	R99	Clarification on PICH power setting	approved	F	3.5.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-000543	25.222	049	-	3.4.0	R99	Clarification on the Ci formula	approved	F	3.5.0	Multiplexing and channel coding (TDD)	R1
RP-000543	25.222	050	-	3.4.0	R99	Correction on TFCI & TPC Transmission	approved	F	3.5.0	Multiplexing and channel coding (TDD)	R1
RP-000543	25.222	053	1	3.4.0	R99	Editorial corrections in TS 25.222	approved	F	3.5.0	Multiplexing and channel coding (TDD)	R1
RP-000544	25.224	035	1	3.4.0	R99	Radio Link establishment and sync status reporting	approved	F	3.5.0	Pphysical layer procedures (TDD)	R1
RP-000544	25.224	040	-	3.4.0	R99	Clarification on PICH power setting	approved	F	3.5.0	Pphysical layer procedures (TDD)	R1
RP-000544	25.224	042	-	3.4.0	R99	Correction to TDD timing advance description	approved	F	3.5.0	Pphysical layer procedures (TDD)	R1
RP-000544	25.224	043	-	3.4.0	R99	Limit on maximum value of alpha used for open loop power control	approved	F	3.5.0	Pphysical layer procedures (TDD)	R1
RP-000545	25.225	018	2	3.4.0	R99	Corrections and Clarifications to 25.225	approved	F	3.5.0	Physical layer; Measurements (TDD)	R1
RP-000545	25.225	019	1	3.4.0	R99	Corrections and Clarifications to 25.225	approved	F	3.5.0	Physical layer; Measurements (TDD)	R1
RP-000545	25.225	020	1	3.4.0	R99	Clarification of measurement reference points	approved	F	3.5.0	Physical layer; Measurements (TDD)	R1
RP-000545	25.225	021	-	3.4.0	R99	Removal of incorrect note relating to RSCP measurements	approved	F	3.5.0	Physical layer; Measurements (TDD)	R1
RP-000546	25.944	003	2	3.2.0	R99	Corrections for FDD part of TR 25.944	approved	F	3.3.0	Channel coding and multiplexing examples	R1
RP-000546	25.944	004	-	3.2.0	R99	TDD related changes for TR25.944, update	approved	F	3.3.0	Channel coding and multiplexing examples	R1
RP-000563	25.302	072		3.6.0	R99	RACH model	approved	F	3.7.0	Services provided by the physical layer	R2
RP-000563	25.302	073		3.6.0	R99	Clarification of UTRAN SIR measurement	approved	F	3.7.0	Services provided by the physical layer	R2
RP-000563	25.302	074		3.6.0	R99	Removal of compressed mode measurement purpose "other"	approved	F	3.7.0	Services provided by the physical layer	R2

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RP-000563	25.302	075		3.6.0	R99	Removal of compressed mode measurement purpose "GSM"	approved	F	3.7.0	Services provided by the physical layer	R2
RP-000563	25.302	076		3.6.0	R99	Removal of physical channel BER measurement for TDD	approved	F	3.7.0	Services provided by the physical layer	R2
RP-000563	25.302	077		3.6.0	R99	CPCH model correction	approved	F	3.7.0	Services provided by the physical layer	R2
RP-000563	25.302	078	1	3.6.0	R99	Removal of FAUSCH and ODMA	approved	F	3.7.0	Services provided by the physical layer	R2
RP-000563	25.302	080	2	3.6.0	R99	Correction to transport channel mapping	approved	F	3.7.0	Services provided by the physical layer	R2
RP-000563	25.302	081		3.6.0	R99	Alignment of measurement reference description	approved	F	3.7.0	Services provided by the physical layer	R2
RP-000563	25.302	082		3.6.0	R99	Changing the name of “RSSI“ to “Received total wide band power“	approved	F	3.7.0	Services provided by the physical layer	R2
RP-000564	25.303	038	1	3.5.0	R99	Corrections to SRNS Relocation	approved	F	3.6.0	UE functions and inter-layer procedures in connected mode	R2
RP-000564	25.303	040		3.5.0	R99	Correction to Relocation text	approved	F	3.6.0	UE functions and inter-layer procedures in connected mode	R2
RP-000565	25.304	046	1	3.4.0	R99	Support for PLMN selection	approved	F	3.5.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-000565	25.304	049	1	3.4.0	R99	Correction of algorithm for paging channel selection	approved	F	3.5.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-000565	25.304	050		3.4.0	R99	Alignment of use of TEMP_OFFSET parameters with TS 25.331	approved	F	3.5.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-000565	25.304	051	2	3.4.0	R99	Clarifications and Editorial Corrections	approved	F	3.5.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-000565	25.304	052	1	3.4.0	R99	Clarifications to cell selection and reselection procedures	approved	F	3.5.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-000565	25.304	053		3.4.0	R99	Removal of immediate cell evaluation	approved	F	3.5.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-000565	25.304	054		3.4.0	R99	One step cell selection	approved	F	3.5.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-000566	25.305	025	1	3.3.0	R99	Editorial and Minor Technical Clean-up	approved	F	3.4.0	Stage 2 Functional Specification of Location Services in UTRAN (LCS)	R2
RP-000566	25.305	026		3.3.0	R99	Editorial corrections	approved	F	3.4.0	Stage 2 Functional Specification of Location Services in UTRAN (LCS)	R2
RP-000566	25.305	027		3.3.0	R99	Removal of SoLSA concepts	approved	F	3.4.0	Stage 2 Functional Specification of Location Services in UTRAN (LCS)	R2
RP-000566	25.305	029	1	3.3.0	R99	Signalling flows on Iub and Iur	approved	F	3.4.0	Stage 2 Functional Specification of Location Services in UTRAN (LCS)	R2
RP-000566	25.305	030	1	3.3.0	R99	LCS functionality during SRNS relocation	approved	F	3.4.0	Stage 2 Functional Specification of Location Services in UTRAN (LCS)	R2
RP-000566	25.305	031		3.3.0	R99	UE Search Correction from R2-001721 (CR 021r3)	approved	F	3.4.0	Stage 2 Functional Specification of Location Services in UTRAN (LCS)	R2
RP-000566	25.305	032	2	3.3.0	R99	Signaling Between RNC and Stand-Alone LMU	approved	F	3.4.0	Stage 2 Functional Specification of Location Services in UTRAN (LCS)	R2

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RP-000566	25.305	033	5	3.3.0	R99	Use of RTT measurements in the Assisted GPS procedure	approved	F	3.4.0	Stage 2 Functional Specification of Location Services in UTRAN (LCS)	R2
RP-000566	25.305	034	1	3.3.0	R99	LCS assistance data delivery	approved	F	3.4.0	Stage 2 Functional Specification of Location Services in UTRAN (LCS)	R2
RP-000566	25.305	035	2	3.3.0	R99	Description for frequency reference	approved	F	3.4.0	Stage 2 Functional Specification of Location Services in UTRAN (LCS)	R2
RP-000566	25.305	036	2	3.3.0	R99	Editorial clean-up	approved	F	3.4.0	Stage 2 Functional Specification of Location Services in UTRAN (LCS)	R2
RP-000566	25.305	038	2	3.3.0	R99	Clarification on information to be transferred between UTRAN nodes	approved	F	3.4.0	Stage 2 Functional Specification of Location Services in UTRAN (LCS)	R2
RP-000566	25.305	039	1	3.3.0	R99	Moving of semantic descriptions from RRC	approved	F	3.4.0	Stage 2 Functional Specification of Location Services in UTRAN (LCS)	R2
RP-000567	25.321	053	2	3.5.0	R99	Corrections to logical channel priorities in MAC Protocol	approved	F	3.6.0	Medium Access Control (MAC) Protocol Specification	R2
RP-000567	25.321	055	1	3.5.0	R99	Removal of FAUSCH	approved	F	3.6.0	Medium Access Control (MAC) Protocol Specification	R2
RP-000567	25.321	056	2	3.5.0	R99	General MAC clarification	approved	F	3.6.0	Medium Access Control (MAC) Protocol Specification	R2
RP-000567	25.321	057	1	3.5.0	R99	Error Handling in MAC	approved	F	3.6.0	Medium Access Control (MAC) Protocol Specification	R2
RP-000567	25.321	058	1	3.5.0	R99	Error handling for MAC RACH and CPCH transmission control procedure	approved	F	3.6.0	Medium Access Control (MAC) Protocol Specification	R2
RP-000567	25.321	059		3.5.0	R99	Inclusion of stage 3 for ciphering	approved	F	3.6.0	Medium Access Control (MAC) Protocol Specification	R2
RP-000568	25.322	080	1	3.4.0	R99	Length Indicator and PDU formats	approved	F	3.5.0	Radio Link Control (RLC) Protocol Specification	R2
RP-000568	25.322	083	3	3.4.0	R99	Clarification to the Estimated PDU Counter	approved	F	3.5.0	Radio Link Control (RLC) Protocol Specification	R2
RP-000568	25.322	084	2	3.4.0	R99	Model of UM and AM entities	approved	F	3.5.0	Radio Link Control (RLC) Protocol Specification	R2
RP-000568	25.322	085	1	3.4.0	R99	General RLC corrections	approved	F	3.5.0	Radio Link Control (RLC) Protocol Specification	R2
RP-000568	25.322	086	1	3.4.0	R99	General RLC corrections	approved	F	3.5.0	Radio Link Control (RLC) Protocol Specification	R2
RP-000568	25.322	087	5	3.4.0	R99	RLC timers	approved	F	3.5.0	Radio Link Control (RLC) Protocol Specification	R2
RP-000568	25.322	088	1	3.4.0	R99	Reset procedure	approved	F	3.5.0	Radio Link Control (RLC) Protocol Specification	R2
RP-000568	25.322	089	1	3.4.0	R99	Editorial corrections to RLC	approved	F	3.5.0	Radio Link Control (RLC) Protocol Specification	R2
RP-000568	25.322	090	2	3.4.0	R99	RLC UM protocol	approved	F	3.5.0	Radio Link Control (RLC) Protocol Specification	R2
RP-000568	25.322	092	2	3.4.0	R99	Clarification to window size parameters, MRW SUFI and window based polling	approved	F	3.5.0	Radio Link Control (RLC) Protocol Specification	R2
RP-000568	25.322	093	3	3.4.0	R99	General RLC Corrections	approved	F	3.5.0	Radio Link Control (RLC) Protocol Specification	R2
RP-000568	25.322	094	1	3.4.0	R99	RLC Reset handling	approved	F	3.5.0	Radio Link Control (RLC) Protocol Specification	R2

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RP-000568	25.322	095		3.4.0	R99	Inclusion of stage 3 for ciphering	approved	F	3.5.0	Radio Link Control (RLC) Protocol Specification	R2
RP-000569	25.324	006	1	3.2.0	R99	Correction to ANSI-41 Cell Broadcast Service	approved	F	3.3.0	Radio Interface for Broadcast/Multicast Services	R2
RP-000570	25.331	536		3.4.1	R99	Downlink outer-loop power control in compressed mode	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000570	25.331	537	1	3.4.1	R99	Correction in the use of “U-RNTI Short”	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000570	25.331	538		3.4.1	R99	Corrections related to UE Timing	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000570	25.331	539		3.4.1	R99	Corrections to SFN-SFN definition	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000570	25.331	541	1	3.4.1	R99	Corrections to definition and use of Activation Time	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000570	25.331	542		3.4.1	R99	Corrections to logical channel priorities	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000570	25.331	543	1	3.4.1	R99	Correction to codec negotiation	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000570	25.331	544	1	3.4.1	R99	CFN-SFN observed time difference measurement	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000570	25.331	545	1	3.4.1	R99	Correction to timing indication for hard handover	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000570	25.331	546	1	3.4.1	R99	UE Radio Access Capability Corrections	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000570	25.331	548	1	3.4.1	R99	RRC establishment and paging causes for NAS signalling	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000570	25.331	549		3.4.1	R99	Corrections to Intra-frequency measurements and Traffic volume measurements	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000570	25.331	551	1	3.4.1	R99	PRACH/RACH System information	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000570	25.331	553	1	3.4.1	R99	GSM Measurement reporting	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000570	25.331	554	1	3.4.1	R99	BLER measurement and quality target	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000570	25.331	556	1	3.4.1	R99	Clarification of PDCP sequence number window terminology	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000570	25.331	559	1	3.4.1	R99	Clarification on Error Handling	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000570	25.331	560		3.4.1	R99	Removal of compressed mode measurement purpose "other"	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000570	25.331	561		3.4.1	R99	Clarification of compressed mode measurement purpose "GSM"	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000570	25.331	564	2	3.4.1	R99	Reporting multiple GSM cells	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000571	25.331	566	1	3.4.1	R99	Number of RLs that can be removed in Active Set update	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000571	25.331	568	1	3.4.1	R99	Clarification on Segment Index	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2

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RP-000571	25.331	571	3	3.4.1	R99	RRC procedure performance requirements	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000571	25.331	572	1	3.4.1	R99	Correction of newInterSystemCellList and MeasurementControlSysInfo in ASN.1	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000571	25.331	573	4	3.4.1	R99	Removal of Flow Id concept while maintaining Iu interface flexibility	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000571	25.331	574	2	3.4.1	R99	Ciphering and reset	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000571	25.331	575	1	3.4.1	R99	Corrections and clarifications concerning inter-RAT change procedures	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000571	25.331	576	1	3.4.1	R99	General Security Clarifications	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000571	25.331	577		3.4.1	R99	Clarification on RB 0	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000571	25.331	578		3.4.1	R99	Clarification on the transition of RRC state	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000571	25.331	580	1	3.4.1	R99	UP measurements for RRC information to target RNC	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000571	25.331	581		3.4.1	R99	Correction on LCS reporting criteria	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000574	25.331	583	1	3.4.1	R99	CSICH Corrections	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000571	25.331	584	1	3.4.1	R99	Clarification to handling of satellite health issues	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000571	25.331	585		3.4.1	R99	Clarification on activation time	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000571	25.331	586		3.4.1	R99	Clarification on activation time for ciphering in TM	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000571	25.331	587	2	3.4.1	R99	Measurement procedures and messages	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000571	25.331	590	1	3.4.1	R99	Inter-RAT UE radio access capability	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000571	25.331	592	1	3.4.1	R99	Clarification on cell update/URA update procedures	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000571	25.331	595	4	3.4.1	R99	Protocol States and Process	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000571	25.331	596	1	3.4.1	R99	System Information	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000574	25.331	597	3	3.4.1	R99	RRC Connection Management Procedures, Generic procedures and actions	revised	F		Radio Resource Control (RRC) Protocol Specification	R2
RP-000669	25.331	597	4	3.4.1	R99	RRC Connection Management Procedures, Generic procedures and actions	revised	F		Radio Resource Control (RRC) Protocol Specification	R2
RP-000715	25.331	597	5	3.4.1	R99	RRC Connection Management Procedures, Generic procedures and actions	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000572	25.331	598	1	3.4.1	R99	Paging Procedures	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000572	25.331	599		3.4.1	R99	NAS signalling Procedures	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2

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RP-000572	25.331	600	3	3.4.1	R99	Radio Bearer Control Procedures	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000572	25.331	601	1	3.4.1	R99	Corrections to the Counter Check Procedure	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000572	25.331	602		3.4.1	R99	Tabular Information and ASN.1	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000572	25.331	604	2	3.4.1	R99	Corrections to Measurement Occasion concept	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000572	25.331	606		3.4.1	R99	Corrections concerning optimisation of RB information	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000572	25.331	608	1	3.4.1	R99	Corrections to security	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000572	25.331	609	1	3.4.1	R99	Ciphering activation time for DPCH	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000572	25.331	610		3.4.1	R99	Confirmation of signalling connection establishment	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000572	25.331	611	2	3.4.1	R99	RACH Sub-channel signalling	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000572	25.331	613	2	3.4.1	R99	Assistance data delivery for UP	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000572	25.331	614	1	3.4.1	R99	Clarification of LCS measurements	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000572	25.331	615	2	3.4.1	R99	Configuration of RLC PDU sizes for logical channels	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000574	25.331	616		3.4.1	R99	PICH power offset for TDD	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000572	25.331	617		3.4.1	R99	Correction for PDSCH power control for TDD	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000574	25.331	618		3.4.1	R99	Usage of dynamic spreading factor in uplink	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000572	25.331	619		3.4.1	R99	Correction of Midamble Shift for Burst Type 3	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000572	25.331	621		3.4.1	R99	Correction of text concerning Scheduling of System Information	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000572	25.331	622	1	3.4.1	R99	Alignment of GSM'99 BA Range concept and its inclusion in UTRA	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000572	25.331	623	1	3.4.1	R99	Clarification of RB mapping info	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000572	25.331	624	1	3.4.1	R99	Correction to UE multi-RAT capability	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000573	25.331	625		3.4.1	R99	Correction to PDCP sequence number exchange during hard handover	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000573	25.331	628	2	3.4.1	R99	DCH Quality Target	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000573	25.331	629	1	3.4.1	R99	Simultaneous release of RBs and signalling connection	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000573	25.331	630		3.4.1	R99	Correction on Transport Channel Reconfiguration	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2

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RP-000573	25.331	631		3.4.1	R99	Limitation of DRX cycle length	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000574	25.331	632		3.4.1	R99	Signalling of the alpha value in TDD for open loop power control	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000573	25.331	633		3.4.1	R99	Support for improved compressed mode handling for TDD measurements	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000573	25.331	636		3.4.1	R99	Usage of secondary CPICH and secondary scrambling code	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000573	25.331	639		3.4.1	R99	Expiration time of SIB type 7, 14	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000573	25.331	640		3.4.1	R99	Correction to integrity protection	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000864	25.331	641		3.4.1	R99	Downlink Outer Loop Control	approved	F	3.5.0	Radio Resource Control (RRC) Protocol Specification	R2
RP-000575	25.921	007		3.1.0	R99	Extension rules for supporting future releases	approved	F	3.2.0	Guidelines and principles for protocol description and error handling	R2
RP-000576	25.922	008		3.3.0	R99	PRACH/RACH configuration	approved	F	3.4.0	Radio Resource Management Strategies	R2
RP-000576	25.922	009	1	3.3.0	R99	Example of VCAM mapping rule	approved	F	3.4.0	Radio Resource Management Strategies	R2
RP-000576	25.922	010	1	3.3.0	R99	Predefined configurations for R'99	approved	F	3.4.0	Radio Resource Management Strategies	R2
RP-000576	25.922	011		3.3.0	R99	Utilisation of compressed mode for BSIC reconfirmation	approved	F	3.4.0	Radio Resource Management Strategies	R2
RP-000577	25.925	004	1	3.2.0	R99	Correction to ANSI-41 Cell Broadcast Service	approved	F	3.3.0	Radio Interface for Broadcast/Multicast Services	R2
RP-000578	25.926	014		3.2.0	R99	Removal of example RABs	approved	F	3.3.0	UE Radio Access capabilities definition	R2
RP-000578	25.926	015	2	3.2.0	R99	Correction on parameter "Maximum total number of transport blocks…"	approved	F	3.3.0	UE Radio Access capabilities definition	R2
RP-000578	25.926	016		3.2.0	R99	Change to UE multi-RAT capability	approved	F	3.3.0	UE Radio Access capabilities definition	R2
RP-000578	25.926	017	1	3.2.0	R99	Change from TR 25.926 to TS 25.306	approved	F	3.3.0	UE Radio Access capabilities definition	R2
RP-000579	34.109	005	1	3.1.0	R99	Setting up UE test loop for multiple radio bearer configurations	approved	F	3.2.0	Logical Test Interface (TDD and FDD)	R2
RP-000607	25.401	018	2	3.4.0	R99	Clarification to the Definition and Usage of Binding Id	approved	F	3.5.0	UTRAN Overall Description	R3
RP-000607	25.401	019		3.4.0	R99	Correction to CN distribution function	approved	F	3.5.0	UTRAN Overall Description	R3
RP-000608	25.402	010		3.3.0	R99	Timing Advance description correction	approved	F	3.4.0	Synchronisation in UTRAN Stage 2	R3
RP-000608	25.402	011		3.3.0	R99	Sync port accuracy	approved	F	3.4.0	Synchronisation in UTRAN Stage 2	R3
RP-000608	25.402	012		3.3.0	R99	UE synchronisation when UE chenges from CELL_FACH/PCH to CELL_DCH state.	approved	F	3.4.0	Synchronisation in UTRAN Stage 2	R3
RP-000609	25.410	005		3.2.0	R99	Editorial Modifications for 25.410	approved	D	3.3.0	UTRAN Iu Interface: General Aspects and Principles	R3
RP-000609	25.410	007	1	3.2.0	R99	Editorial corrections to 25.410	approved	F	3.3.0	UTRAN Iu Interface: General Aspects and Principles	R3
RP-000609	25.410	008	1	3.2.0	R99	Removal of CN Information Broadcast procedure from Iu interface: Update to R3-003253	approved	F	3.3.0	UTRAN Iu Interface: General Aspects and Principles	R3
RP-000610	25.411	002		3.2.0	R99	Editorial Modifications for 25.411	approved	D	3.3.0	UTRAN Iu interface Layer 1	R3
RP-000610	25.411	003	1	3.2.0	R99	Fractional ATM on Iu	rejected	F		UTRAN Iu interface Layer 1	R3
RP-000611	25.412	006		3.5.0	R99	Editorial Modifications for 25.412	approved	D	3.6.0	UTRAN Iu interface signalling transport	R3
RP-000611	25.412	007		3.5.0	R99	Corrections to SCTP and M3UA version numbers	approved	F	3.6.0	UTRAN Iu interface signalling transport	R3
RP-000611	25.412	008	1	3.5.0	R99	SCTP Stack verifications for Iu Interface signalling transport	approved	F	3.6.0	UTRAN Iu interface signalling transport	R3

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RP-000695	25.413	185		3.3.0	R99	Clarify the direction of LAI, RAC and SAI IEs in DIRECT TRANSFER message in tabular	approved	F	3.4.0	UTRAN Iu interface RANAP signalling	R3
RP-000695	25.413	186	1	3.3.0	R99	Correction of the behaviour of the Error Indication	approved	F	3.4.0	UTRAN Iu interface RANAP signalling	R3
RP-000695	25.413	187	1	3.3.0	R99	Clarification of Location Report Procedure	approved	F	3.4.0	UTRAN Iu interface RANAP signalling	R3
RP-000695	25.413	188	1	3.3.0	R99	Transfer Syntax Error description in RANAP	approved	F	3.4.0	UTRAN Iu interface RANAP signalling	R3
RP-000695	25.413	189	1	3.3.0	R99	Handling of the optional IEs inside the Criticality Diagnostics IE	approved	F	3.4.0	UTRAN Iu interface RANAP signalling	R3
RP-000695	25.413	190		3.3.0	R99	Protocol specification principles	approved	F	3.4.0	UTRAN Iu interface RANAP signalling	R3
RP-000695	25.413	191		3.3.0	R99	Editorial Corrections	approved	D	3.4.0	UTRAN Iu interface RANAP signalling	R3
RP-000695	25.413	194	1	3.3.0	R99	Handling Unknown Signalling Connection Identifiers in Reset	approved	F	3.4.0	UTRAN Iu interface RANAP signalling	R3
RP-000695	25.413	195	2	3.3.0	R99	Usage of cause values in RANAP	approved	F	3.4.0	UTRAN Iu interface RANAP signalling	R3
RP-000695	25.413	196	1	3.3.0	R99	Reducing the maximum number of signalling connection identities	approved	F	3.4.0	UTRAN Iu interface RANAP signalling	R3
RP-000695	25.413	197	2	3.3.0	R99	Correction to the Initiation of Relocation Cancel	approved	F	3.4.0	UTRAN Iu interface RANAP signalling	R3
RP-000695	25.413	198		3.3.0	R99	RRC container references	approved	F	3.4.0	UTRAN Iu interface RANAP signalling	R3
RP-000695	25.413	199		3.3.0	R99	Description of Target Cell ID	approved	F	3.4.0	UTRAN Iu interface RANAP signalling	R3
RP-000695	25.413	201	1	3.3.0	R99	Cause values not only for RAB modification	approved	F	3.4.0	UTRAN Iu interface RANAP signalling	R3
RP-000695	25.413	203	1	3.3.0	R99	RAB assignment response after successful Initialisation	approved	F	3.4.0	UTRAN Iu interface RANAP signalling	R3
RP-000695	25.413	204	1	3.3.0	R99	Clarification of DRX Cycle Length Coefficient range	approved	F	3.4.0	UTRAN Iu interface RANAP signalling	R3
RP-000695	25.413	205	2	3.3.0	R99	RAB configuration at modification	approved	F	3.4.0	UTRAN Iu interface RANAP signalling	R3
RP-000695	25.413	206	3	3.3.0	R99	Service based inter-system handover	approved	F	3.4.0	UTRAN Iu interface RANAP signalling	R3
RP-000695	25.413	207	1	3.3.0	R99	Clarification on rules for assigning criticality/presence values in standard releases later than R99	approved	F	3.4.0	UTRAN Iu interface RANAP signalling	R3
RP-000695	25.413	210	2	3.3.0	R99	Directed Retry UMTS->GS	approved	F	3.4.0	UTRAN Iu interface RANAP signalling	R3
RP-000613	25.413	211		3.3.0	R99	Correction the semantic description of data volume reporing indication in ASN.1	approved	F	3.4.0	UTRAN Iu interface RANAP signalling	R3
RP-000613	25.413	212	1	3.3.0	R99	Clarify the value of Report Area IE when the value of Event IE is “Stop”	approved	F	3.4.0	UTRAN Iu interface RANAP signalling	R3
RP-000613	25.413	213	1	3.3.0	R99	Pre-emption Handling Corrections	approved	F	3.4.0	UTRAN Iu interface RANAP signalling	R3
RP-000613	25.413	214		3.3.0	R99	Editorial Modifications for 25.413	approved	D	3.4.0	UTRAN Iu interface RANAP signalling	R3
RP-000613	25.413	219	4	3.3.0	R99	Reset resource procedure modification	approved	F	3.4.0	UTRAN Iu interface RANAP signalling	R3
RP-000613	25.413	221		3.3.0	R99	Re-ordering of paragraphs for RAB Assignment procedure text	approved	D	3.4.0	UTRAN Iu interface RANAP signalling	R3
RP-000613	25.413	222		3.3.0	R99	Elementary Procedure interference precedence	approved	F	3.4.0	UTRAN Iu interface RANAP signalling	R3
RP-000613	25.413	223	2	3.3.0	R99	Iu transport connection failure casue value	approved	F	3.4.0	UTRAN Iu interface RANAP signalling	R3
RP-000613	25.413	224		3.3.0	R99	Data volume reporting in Release Complete	approved	F	3.4.0	UTRAN Iu interface RANAP signalling	R3
RP-000613	25.413	225	1	3.3.0	R99	Reordering of paragraphs for Relocation Resource Allocation procedure text:	approved	F	3.4.0	UTRAN Iu interface RANAP signalling	R3
RP-000613	25.413	226		3.3.0	R99	CN Domain Indicator missing	approved	F	3.4.0	UTRAN Iu interface RANAP signalling	R3
RP-000613	25.413	227	1	3.3.0	R99	Clarification of the Iu Release Request	approved	F	3.4.0	UTRAN Iu interface RANAP signalling	R3
RP-000613	25.413	228	1	3.3.0	R99	Location Report procedur	approved	F	3.4.0	UTRAN Iu interface RANAP signalling	R3
RP-000613	25.413	229		3.3.0	R99	Impact of RAB asymmetry indicator on RAB parameters coding	approved	F	3.4.0	UTRAN Iu interface RANAP signalling	R3
RP-000613	25.413	230	1	3.3.0	R99	Indication of relocation requirement in RAB parameters	approved	F	3.4.0	UTRAN Iu interface RANAP signalling	R3
RP-000613	25.413	231		3.3.0	R99	Removing CN Information Broadcast procedure from RANAP	approved	F	3.4.0	UTRAN Iu interface RANAP signalling	R3

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RP-000613	25.413	232	1	3.3.0	R99	Cause value for the case when radio contact to the UE is lose	approved	F	3.4.0	UTRAN Iu interface RANAP signalling	R3
RP-000613	25.413	234	2	3.3.0	R99	Clarification of SAI Definition	approved	F	3.4.0	UTRAN Iu interface RANAP signalling	R3
RP-000613	25.413	235	3	3.3.0	R99	Editorial modifications to RANAP	approved	D	3.4.0	UTRAN Iu interface RANAP signalling	R3
RP-000614	25.414	022	1	3.5.0	R99	Application of AAL2 Link Characteristics on Iu	approved	F	3.6.0	UTRAN Iu interface data transport & transport signalling	R3
RP-000615	25.415	036	2	3.4.0	R99	Editorial Corrections	approved	D	3.5.0	UTRAN Iu interface user plane protocols	R3
RP-000615	25.415	037	1	3.4.0	R99	Corrections to Annex A	approved	F	3.5.0	UTRAN Iu interface user plane protocols	R3
RP-000615	25.415	038		3.4.0	R99	TI field in Initialisation frame	approved	F	3.5.0	UTRAN Iu interface user plane protocols	R3
RP-000615	25.415	040		3.4.0	R99	The Number of Octets for the IPTI fields	approved	F	3.5.0	UTRAN Iu interface user plane protocols	R3
RP-000615	25.415	041	2	3.4.0	R99	Number of RFCIs	approved	F	3.5.0	UTRAN Iu interface user plane protocols	R3
RP-000615	25.415	042	1	3.4.0	R99	TrFO and Iu UP Initialisation	approved	F	3.5.0	UTRAN Iu interface user plane protocols	R3
RP-000615	25.415	043		3.4.0	R99	Re-initialisaiton restriction	approved	F	3.5.0	UTRAN Iu interface user plane protocols	R3
RP-000615	25.415	044		3.4.0	R99	PDU type selection	approved	F	3.5.0	UTRAN Iu interface user plane protocols	R3
RP-000616	25.419	024	1	3.2.0	R99	Handling of the optional IEs inside the Criticality Diagnostics IE	approved	F	3.3.0	UTRAN Iu interface: Cell broadcast protocols between SMS-CBC and RNC	R3
RP-000616	25.419	025		3.2.0	R99	Protocol specification principles	approved	F	3.3.0	UTRAN Iu interface: Cell broadcast protocols between SMS-CBC and RNC	R3
RP-000616	25.419	026		3.2.0	R99	Editorial Modifications for 25.419	approved	D	3.3.0	UTRAN Iu interface: Cell broadcast protocols between SMS-CBC and RNC	R3
RP-000616	25.419	027	1	3.2.0	R99	Clarification on rules for assigning criticality/presence values in standard releases later than R99	approved	F	3.3.0	UTRAN Iu interface: Cell broadcast protocols between SMS-CBC and RNC	R3
RP-000616	25.419	028		3.2.0	R99	Correction of Triggering Message IE	approved	F	3.3.0	UTRAN Iu interface: Cell broadcast protocols between SMS-CBC and RNC	R3
RP-000616	25.419	029	1	3.2.0	R99	Clarification of SAI Definition	approved	F	3.3.0	UTRAN Iu interface: Cell broadcast protocols between SMS-CBC and RNC	R3
RP-000617	25.422	008		3.4.1	R99	Corrections to SCTP and M3UA version numbers	approved	F	3.5.0	UTRAN Iur interface signalling transport	R3
RP-000618	25.423	202	1	3.3.0	R99	Clarification of the handling of UL UU In-and Out-of-sync detection in RNSAP	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000618	25.423	203	1	3.3.0	R99	Correction of compressed mode handling in the physical channel reconfiguration procedure	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000618	25.423	204		3.3.0	R99	Clarification of Measurement Termination at Measurement Object Deletion	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000618	25.423	205	1	3.3.0	R99	Handling of the optional IEs inside the Criticality Diagnostics IE	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000618	25.423	206	1	3.3.0	R99	Removal of C-RNTI from the Common Transport Channel Resources Release Procedure:	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000618	25.423	207	2	3.3.0	R99	Downlink Power control correction	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000618	25.423	209		3.3.0	R99	Clarification of Measurement termination	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000618	25.423	210		3.3.0	R99	Protocol specification principles	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000618	25.423	211	2	3.3.0	R99	Transport channel modification	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000618	25.423	212	2	3.3.0	R99	Explanation of cause values	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000618	25.423	213		3.3.0	R99	Handling of optional IE's in RL SETUP and RL ADDITION	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000618	25.423	214	4	3.3.0	R99	CFN/SFN in measurement reporting	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000618	25.423	216	2	3.3.0	R99	Correction to CM Configuration validity requirement	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000618	25.423	217	1	3.3.0	R99	Handling of invalid patterns in Compressed Mode	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000618	25.423	219	5	3.3.0	R99	Support CN direct paging	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3

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RP-000618	25.423	221		3.3.0	R99	Common Transport Channel Resources Initialisation Clarification	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000618	25.423	222		3.3.0	R99	Inconsistency between Tabular and ASN.1 for TDD messages	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000618	25.423	223	2	3.3.0	R99	Clarification on rules for using the tabular format	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000618	25.423	224	4	3.3.0	R99	Corrections to Transport Format Set	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000621	25.423	225	5	3.3.0	R99	TDD DL Power control on timeslot basis.	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000618	25.423	226	1	3.3.0	R99	Update of Physical Channel Reconfiguration procedure text, addressing optional IE's	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000619	25.423	227	4	3.3.0	R99	TDD Rx Timing Deviation in RNSAP	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000619	25.423	228	2	3.3.0	R99	Correction for Tabular forma	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000619	25.423	230	1	3.3.0	R99	Uplink outer-loop power control in compressed mode	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000619	25.423	232	2	3.3.0	R99	Updated RNSAP Synchronised RL Reconfiguration Procedure (Optional IEs)	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000619	25.423	233	1	3.3.0	R99	Updated RNSAP Unsynchronised RL Reconfiguration Procedure (Optional IEs): Update to R3-002764	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000619	25.423	234	4	3.3.0	R99	Admission control corrections	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000619	25.423	235	2	3.3.0	R99	Correction of Criticality Information for ASN.1 IEs representing both an IE and a Choice in the Tabular Format	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000619	25.423	236	2	3.3.0	R99	Clarification of the usage of the Procedure Code in RNSAP	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000619	25.423	237	2	3.3.0	R99	Correction of the DL power balancing	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000619	25.423	238		3.3.0	R99	RSSI renaming and reference correction	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000619	25.423	239	1	3.3.0	R99	Synchronisation downlink power balancing	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000621	25.423	241	2	3.3.0	R99	RNSAP Extensibility aspects.	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000619	25.423	243		3.3.0	R99	LCS support on Iur in case of partial RL Setup/-Addition Failure	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000619	25.423	244	1	3.3.0	R99	Improved Coding of CTFC	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000621	25.423	245	1	3.3.0	R99	Included Propagation Delay in RNSAP UL Signalling Transfer Indication (FDD). Update to 3001.	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000619	25.423	246	1	3.3.0	R99	Transport bearer establishment	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000621	25.423	247	1	3.3.0	R99	Removal of DRNC Selection of PRACH and Secondary CCPCH. Update to 3010.	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000619	25.423	248	1	3.3.0	R99	Missing IEs needed at Channel Switching from Cell_FACH to Cell_DCH	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000619	25.423	249		3.3.0	R99	Clarification of Procedure Queuing in RNSAP	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000619	25.423	250		3.3.0	R99	Clarification of the Scope of the Common Transport Channel Resources Initialisation Procedure	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000620	25.423	251		3.3.0	R99	Removal of Criticality Assignment on Choice Tags	revised	F		UTRAN Iur interface RNSAP signalling	R3
RP-000621	25.423	252	1	3.3.0	R99	Missing IEs for Neighbouring GSM cells.	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000621	25.423	253	4	3.3.0	R99	Consistency of the RNSAP Specification.	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000621	25.423	254	2	3.3.0	R99	Alignment of URA Information between different RNSAP messages.	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000619	25.423	255		3.3.0	R99	CCTrCH information in Physical channel reconfiguration clarification	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000619	25.423	256	2	3.3.0	R99	DCH information in TDD messages	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3

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RP-000696	25.423	257		3.3.0	R99	Timing advance enable clarification	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000696	25.423	259	1	3.3.0	R99	Relation between UL and DL CCTrCH for TPC	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000696	25.423	260	2	3.3.0	R99	Variability of SF in UL Physical Channel for TDD mode	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000621	25.423	263	3	3.3.0	R99	Extensibility correction of the DCH Information Response.	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000621	25.423	264	4	3.3.0	R99	Extensibility correction for DSCH and USCH Information Response	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000621	25.423	265	1	3.3.0	R99	Refinement for extension tools in ASN.1 (Iub/Iur extensibility: issue 2.1).	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000696	25.423	268	1	3.3.0	R99	RNSAP Extensibility aspects (RB Mapping text)	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000696	25.423	269	1	3.3.0	R99	Correction for ProtocolIE-Single-Container: Update to Correction for ProtocolIE-Single-Container	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000621	25.423	270	2	3.3.0	R99	Extensibility correction for DSCH and USCH Information Response	approved	D	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000621	25.423	271	1	3.3.0	R99	Clarification of Assignments of ASN.1 Constants.	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000696	25.423	274	1	3.3.0	R99	Clarification of SAI Definition	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000696	25.423	275	1	3.3.0	R99	Round trip time (UTRAN) for RNSAP	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000696	25.423	276		3.3.0	R99	Dated References to RAN WG4 specs	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000696	25.423	277		3.3.0	R99	Introduction of extension of ddMode	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000696	25.423	278	1	3.3.0	R99	Extensibility Correction for DCH Information Response Group IE	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000696	25.423	280		3.3.0	R99	Clarification of the uplink and downlink signalling transfer	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000696	25.423	281		3.3.0	R99	introduction of Alpha value for RNSAP Signalling	approved	F	3.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-000622	25.424	006	1	3.4.0	R99	Application of AAL2 Link Characteristics on Iub/Iur DCHs	approved	F	3.5.0	UTRAN Iur interface data transport & transport signalling for CCH data streams	R3
RP-000623	25.425	018	1	3.2.0	R99	Correction of Iur FACH data frame header	approved	F	3.3.0	UTRAN Iur interface user plane protocols for CCH data streams	R3
RP-000623	25.425	019	1	3.2.0	R99	FACH Capacity Request control frame	approved	F	3.3.0	UTRAN Iur interface user plane protocols for CCH data streams	R3
RP-000623	25.425	021	1	3.2.0	R99	Removal of the S-CCPCH Indicator (S-CI)	approved	F	3.3.0	UTRAN Iur interface user plane protocols for CCH data streams	R3
RP-000624	25.426	007		3.4.0	R99	Editorial correction to 25.426	approved	D	3.5.0	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	R3
RP-000624	25.426	008		3.4.0	R99	Corrections to SCTP and M3UA version numbers	approved	F	3.5.0	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	R3
RP-000624	25.426	009	1	3.4.0	R99	Application of AAL2 Link Characteristics on Iub/Iur DCHs	approved	F	3.5.0	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	R3
RP-000625	25.427	036		3.4.0	R99	Invalid CFN value in control frames	approved	F	3.5.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	R3
RP-000625	25.427	037	1	3.4.0	R99	Editorial correction Rx Timing Deviation control frame	approved	F	3.5.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	R3
RP-000625	25.427	038		3.4.0	R99	Behaviour due to Timing Advance adjustment	approved	F	3.5.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	R3
RP-000626	25.430	013		3.3.0	R99	Correction on CSICH	approved	F	3.4.0	UTRAN Iub Interface: General Aspects and Principles	R3

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RP-000627	25.433	250	1	3.3.0	R99	Measurement report grouping in Node B	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000627	25.433	251	1	3.3.0	R99	Clarification of the handling of UL UU In-and Out-of-sync detection in NBAP	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000627	25.433	252	2	3.3.0	R99	Clarification of Measurement Termination at Measurement Object Deletion	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000627	25.433	253	1	3.3.0	R99	Handling of the optional IEs inside the Criticality Diagnostics IE	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000627	25.433	254	2	3.3.0	R99	Downlink Power control correction	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000627	25.433	255		3.3.0	R99	PRACH related corrections	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000627	25.433	256	2	3.3.0	R99	Common channel power clarification.	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000627	25.433	258		3.3.0	R99	Clarification of Measurement termination	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000627	25.433	260		3.3.0	R99	Protocol specification principles	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000627	25.433	261	2	3.3.0	R99	Transport channel modification	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000630	25.433	262	5	3.3.0	R99	Admission control of internal Node B resources.	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000627	25.433	263	4	3.3.0	R99	Explanation of cause values	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000627	25.433	264	2	3.3.0	R99	CFN/SFN in measurement reporting	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000627	25.433	265		3.3.0	R99	PRACH pre-amble threshold definition	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000627	25.433	267	1	3.3.0	R99	Correction to the Dedicated Measurement Initiation Response and Failure messages	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000627	25.433	268	2	3.3.0	R99	Clarifications to Compressed Mode signalling	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000627	25.433	269	2	3.3.0	R99	Handling of invalid patterns in Compressed Mode	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000627	25.433	270	1	3.3.0	R99	AICH power offset value range	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000627	25.433	271	3	3.3.0	R99	Corrections to System Information Update procedure	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000627	25.433	273		3.3.0	R99	Inconsistency between Tabular and ASN.1 for TDD messages	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000627	25.433	274	2	3.3.0	R99	Clarification on rules for using the tabular format	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000628	25.433	275	4	3.3.0	R99	Corrections to Transport Format Se	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000628	25.433	276	4	3.3.0	R99	TDD DL Power control on timeslot basis	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000628	25.433	277		3.3.0	R99	Max PRACH Midamble Shift" presence	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000628	25.433	278	1	3.3.0	R99	Timing Advance adjustment in TDD mode	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000630	25.433	279	2	3.3.0	R99	Gain Factor in TDD Mode.	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000628	25.433	281	2	3.3.0	R99	Correction for tabular format	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000628	25.433	282	1	3.3.0	R99	Correction for range of time related to Report Characteristics IE	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000628	25.433	283	1	3.3.0	R99	Uplink outer-loop power control in compressed mode	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000628	25.433	285		3.3.0	R99	Editorial corrections for TS25.433	approved	D	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000628	25.433	286	1	3.3.0	R99	Correction to ASN.1 codes in section 9.3.6	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000628	25.433	287	1	3.3.0	R99	Secondary scrambing code used in DL	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000628	25.433	288	1	3.3.0	R99	Correction of Criticality Information for ASN.1 IEs representing both an IE and a Choice in the Tabular Format	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000628	25.433	289	2	3.3.0	R99	Corrections to Error Indication/RL Deletion related to unknown UE Context Id	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000628	25.433	290	2	3.3.0	R99	Correction of the DL power balancing	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000628	25.433	291		3.3.0	R99	RSSI renaming and reference correction	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000628	25.433	292	2	3.3.0	R99	Synchronisation downlink power balancing	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000628	25.433	294		3.3.0	R99	Removal of Criticality Assignment on Choice Tags	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3

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RP-000628	25.433	295	1	3.3.0	R99	Correction of RL Reconfiguration procedure text	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000628	25.433	296		3.3.0	R99	NBAP Extensibility aspects	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000628	25.433	297	1	3.3.0	R99	Improved Coding of CTFC	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000628	25.433	298	2	3.3.0	R99	Improvements of the capacity model for admission control of Node B internal resources.:	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000630	25.433	299	3	3.3.0	R99	Changed conditions in NBAP RESET REQUEST message.	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000697	25.433	300	1	3.3.0	R99	Transport bearer establishment	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000697	25.433	301	1	3.3.0	R99	Clarification of the Handling of Common and Dedicated Resources in the cases Cell Deletion and Cell Disable	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000697	25.433	302	1	3.3.0	R99	Segmentation of AUDIT RESPONSE	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000697	25.433	303	1	3.3.0	R99	Modification of System Information Update procedure	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000697	25.433	304		3.3.0	R99	TFCI2 transmit power	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000697	25.433	305	2	3.3.0	R99	DCH information in TDD messages	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000697	25.433	307	1	3.3.0	R99	Relation between UL and DL CCTrCH for TPC	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000697	25.433	308	2	3.3.0	R99	Variability of SF in UL Physical Channel for TDD mode	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000697	25.433	309		3.3.0	R99	Resource Status Indication corrections for TDD	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000630	25.433	310	3	3.3.0	R99	Extensibility correction for DCH Information Response	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000630	25.433	311	3	3.3.0	R99	Extensibility correction for DSCH and USCH Information Response	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000697	25.433	312	2	3.3.0	R99	Extensibility correction for FACH Information Response	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000697	25.433	313		3.3.0	R99	Refinement for extension tools in ASN.1	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000697	25.433	314	1	3.3.0	R99	Correction on CPCH	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000630	25.433	315	5	3.3.0	R99	Consistency of the NBAP Specification.	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000697	25.433	316	1	3.3.0	R99	Minor changes to NBAP	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000630	25.433	318	2	3.3.0	R99	Clarification of Assignments of ASN.1 Constants.	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000697	25.433	320	1	3.3.0	R99	Round trip time (UTRAN) for NBAP	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000697	25.433	321		3.3.0	R99	Dated References to RAN WG4 specs	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000697	25.433	322		3.3.0	R99	Introduction of extension of ddMode	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000697	25.433	323	1	3.3.0	R99	Extensibility Correction for DCH Information Response Group IE	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000630	25.433	324	4	3.3.0	R99	Physical channel IE extensibility.	approved	F	3.4.0	UTRAN Iub interface NBAP signalling	R3
RP-000631	25.434	004		3.3.0	R99	Editorial corrections to 25.434	approved	D	3.4.0	UTRAN Iub interface data transport & transport signalling for CCH data streams	R3
RP-000631	25.434	005	1	3.3.0	R99	Application of AAL2 Link Characteristics on Iub/Iur DCHs	approved	F	3.4.0	UTRAN Iub interface data transport & transport signalling for CCH data streams	R3
RP-000632	25.435	032		3.4.0	R99	CFN on DSCH	approved	F	3.5.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-000632	25.435	033		3.4.0	R99	Behaviour due to Timing Advance adjustment	approved	F	3.5.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-000632	25.435	035		3.4.0	R99	FP structure redefinintion	approved	F	3.5.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-000632	25.435	036	2	3.4.0	R99	Paging Message over Multiple Radio Frames	approved	F	3.5.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-000633	25.931	004		3.1.0	R99	Editorial correction to 25.931	approved	D	3.2.0	UTRAN Functions, examples on signalling procedures	R3

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RP-000634	29.108	001	1	3.0.0	R99	Handling of Iu Signalling Connection Identifier IE	approved	F	3.1.0	Application of the Radio Access Network Application Part (RANAP) on the E-interface	R3
RP-000634	29.108	002	1	3.0.0	R99	Addition of Common Id procedure on the E-interface	approved	F	3.1.0	Application of the Radio Access Network Application Part (RANAP) on the E-interface	R3
RP-000585	25.101	79		3.4.1	R99	Proposed CR to TS 25.101 on subclause 7.8 RX Intermodulation	approved	F	3.5.0	UE Radio transmission and reception (FDD)	R4
RP-000585	25.101	80		3.4.1	R99	Corrections to DL compressed mode tests in TS 25.101	approved	F	3.5.0	UE Radio transmission and reception (FDD)	R4
RP-000585	25.101	81		3.4.1	R99	Correction to DL 384 kbps and BTFD measurement channels	approved	F	3.5.0	UE Radio transmission and reception (FDD)	R4
RP-000585	25.101	82		3.4.1	R99	RX spurious emissions	approved	F	3.5.0	UE Radio transmission and reception (FDD)	R4
RP-000585	25.101	82		3.4.1	R99	Compressed mode, proposal for specification	approved	F	3.5.0	UE Radio transmission and reception (FDD)	R4
RP-000585	25.101	84		3.4.1	R99	Correction for 25.101 concerning the channel number calculation	approved	F	3.5.0	UE Radio transmission and reception (FDD)	R4
RP-000585	25.101	85		3.4.1	R99	Definition of multi-code OCNS signal for receiver and performance tests	approved	F	3.5.0	UE Radio transmission and reception (FDD)	R4
RP-000586	25.102	36		3.4.0	R99	Correction for 25.102 concerning UE maximum output power classes	approved	F	3.5.0	UE Radio transmission and reception (TDD)	R4
RP-000586	25.102	37		3.4.0	R99	Correction for 25.102 concerning the coexistence of TDD and FDD in the same band	approved	F	3.5.0	UE Radio transmission and reception (TDD)	R4
RP-000586	25.102	38		3.4.0	R99	Correction of Out-of-Sync criteria in 25.102	approved	F	3.5.0	UE Radio transmission and reception (TDD)	R4
RP-000586	25.102	39		3.4.0	R99	Clarification of the mentioned parameter alpha	approved	F	3.5.0	UE Radio transmission and reception (TDD)	R4
RP-000586	25.102	40		3.4.0	R99	Correction for 25.102 concerning the channel number calculation	approved	F	3.5.0	UE Radio transmission and reception (TDD)	R4
RP-000587	25.104	53		3.4.0	R99	Correction for 25.104 concerning the channel number calculation.	approved	F	3.5.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-000587	25.104	54		3.4.0	R99	Editorial correction to uplink reference channel for 2048kbps	approved	F	3.5.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-000588	25.105	46		3.4.0	R99	Correction for 25.105 concerning the channel number calculation.	approved	F	3.5.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-000588	25.105	47		3.4.0	R99	Correction to reference measurement channels	approved	F	3.5.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-000719	25.113	6		3.3.0	R99	Alignments with other EMC standards	approved	F	3.4.0	Base station EMC	R4
RP-000719	25.113	7		3.3.0	R99	Correction for the immunity measurement	approved	F	3.4.0	Base station EMC	R4
RP-000590	25.123	27		3.3.0	R99	Re-structuring TS 25.123 Section 3	approved	F	3.4.0	Requirements for support of radio resource management (TDD)	R4
RP-000590	25.123	28		3.3.0	R99	Re-structuring TS 25.123 Section 4+A4	approved	F	3.4.0	Requirements for support of radio resource management (TDD)	R4
RP-000590	25.123	29		3.3.0	R99	Re-structuring TS 25.123 Section 5	approved	F	3.4.0	Requirements for support of radio resource management (TDD)	R4
RP-000590	25.123	30		3.3.0	R99	Re-structuring TS 25.123 Section A5	approved	F	3.4.0	Requirements for support of radio resource management (TDD)	R4

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RP-000590	25.123	31		3.3.0	R99	Re-structuring TS 25.123 Section 6+7	approved	F	3.4.0	Requirements for support of radio resource management (TDD)	R4
RP-000590	25.123	32		3.3.0	R99	Re-structuring TS 25.123 Section 8+A8	approved	F	3.4.0	Requirements for support of radio resource management (TDD)	R4
RP-000590	25.123	33		3.3.0	R99	Re-structuring TS 25.123 Section 9+A9	approved	F	3.4.0	Requirements for support of radio resource management (TDD)	R4
RP-000590	25.123	34		3.3.0	R99	Re-structuring TS 25.123 Annex A1-3	approved	F	3.4.0	Requirements for support of radio resource management (TDD)	R4
RP-000591	25.133	47		3.3.0	R99	Received total wideband power	approved	F	3.4.0	Requirements for support of radio resource management (FDD)	R4
RP-000591	25.133	48		3.3.0	R99	Removal of cell selection delay requirements	approved	F	3.4.0	Requirements for support of radio resource management (FDD)	R4
RP-000591	25.133	49		3.3.0	R99	Clarification of the random access requirements	approved	F	3.4.0	Requirements for support of radio resource management (FDD)	R4
RP-000591	25.133	50		3.3.0	R99	Correction of RRC re-establishment requirements	approved	F	3.4.0	Requirements for support of radio resource management (FDD)	R4
RP-000591	25.133	51		3.3.0	R99	Event triggered reporting in AWGN conditions	approved	F	3.4.0	Requirements for support of radio resource management (FDD)	R4
RP-000591	25.133	52		3.3.0	R99	Inter frequency measurements in AWGN	approved	F	3.4.0	Requirements for support of radio resource management (FDD)	R4
RP-000591	25.133	53		3.3.0	R99	Physical channel BER accuracy	approved	F	3.4.0	Requirements for support of radio resource management (FDD)	R4
RP-000591	25.133	54		3.3.0	R99	Event triggered reporting in fading conditions	approved	F	3.4.0	Requirements for support of radio resource management (FDD)	R4
RP-000591	25.133	55		3.3.0	R99	Periodic reporting in AWGN	approved	F	3.4.0	Requirements for support of radio resource management (FDD)	R4
RP-000591	25.133	56		3.3.0	R99	Introduction of UE Rx-Tx time difference type 1 & 2	approved	F	3.4.0	Requirements for support of radio resource management (FDD)	R4
RP-000591	25.133	57		3.3.0	R99	Correction of UE Tx timing adjustment	approved	F	3.4.0	Requirements for support of radio resource management (FDD)	R4
RP-000591	25.133	58		3.3.0	R99	Alignment of intra frequency CPICH Ec/Io measurement requirements in TS25.133	approved	F	3.4.0	Requirements for support of radio resource management (FDD)	R4
RP-000591	25.133	59		3.3.0	R99	Multiple neighbour test cases	approved	F	3.4.0	Requirements for support of radio resource management (FDD)	R4
RP-000591	25.133	60		3.3.0	R99	Correction of intra- and inter frequency measurement requirement.	approved	F	3.4.0	Requirements for support of radio resource management (FDD)	R4
RP-000591	25.133	61		3.3.0	R99	Correction of TDD measurement requirements.	approved	F	3.4.0	Requirements for support of radio resource management (FDD)	R4
RP-000591	25.133	62		3.3.0	R99	General cell re-selection requirements	approved	F	3.4.0	Requirements for support of radio resource management (FDD)	R4
RP-000591	25.133	63		3.3.0	R99	BSIC verification requirements in TS25.133	approved	F	3.4.0	Requirements for support of radio resource management (FDD)	R4
RP-000591	25.133	64		3.3.0	R99	GSM RSSI measurement	approved	F	3.4.0	Requirements for support of radio resource management (FDD)	R4
RP-000591	25.133	65		3.3.0	R99	Clarification of parallel measurement section	approved	F	3.4.0	Requirements for support of radio resource management (FDD)	R4
RP-000592	25.141	51		3.3.0	R99	Clarifications for EVM and PCDE measurement with respect to inclusion of the SCH	approved	F	3.4.0	Base station conformance testing (FDD)	R4

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RP-000592	25.141	52		3.3.0	R99	Clarifications for EVM definition	approved	F	3.4.0	Base station conformance testing (FDD)	R4
RP-000592	25.141	53		3.3.0	R99	Corrections of values, references and structures of test cases	approved	F	3.4.0	Base station conformance testing (FDD)	R4
RP-000592	25.141	54		3.3.0	R99	Total power dynamic range in 25.141	approved	F	3.4.0	Base station conformance testing (FDD)	R4
RP-000592	25.141	55		3.3.0	R99	Editorial corrections on TS25.141, sections for test conditions	approved	F	3.4.0	Base station conformance testing (FDD)	R4
RP-000592	25.141	56		3.3.0	R99	Editorial correction to uplink reference channel for 2048kbps.	approved	F	3.4.0	Base station conformance testing (FDD)	R4
RP-000593	25.141	57		3.3.0	R99	Test tolerance for Base station output power	approved	F	3.4.0	Base station conformance testing (FDD)	R4
RP-000593	25.141	58		3.3.0	R99	Test tolerance for Adjacent Channel Leakage Ratio	approved	F	3.4.0	Base station conformance testing (FDD)	R4
RP-000593	25.141	59		3.3.0	R99	Test tolerance for Spectrum emission mask	approved	F	3.4.0	Base station conformance testing (FDD)	R4
RP-000593	25.141	60		3.3.0	R99	Test tolerance for Frequency error	withdrawn	F		Base station conformance testing (FDD)	R4
RP-000593	25.141	61		3.3.0	R99	Test tolerance for Reference Sensitivity Level	withdrawn	F		Base station conformance testing (FDD)	R4
RP-000593	25.141	62		3.3.0	R99	Annex explaining implemntation of Test tolerance to Tests	revised	F		Base station conformance testing (FDD)	R4
RP-000703	25.141	62	1	3.3.0	R99	Annex explaining implemntation of Test tolerance to Tests	approved	F	3.4.0	Base station conformance testing (FDD)	R4
RP-000593	25.141	63		3.3.0	R99	Test tolerance for Power control steps	withdrawn	F		Base station conformance testing (FDD)	R4
RP-000593	25.141	64		3.3.0	R99	Test tolerance for Power ctrl dynamic range	withdrawn	F		Base station conformance testing (FDD)	R4
RP-000593	25.141	65		3.3.0	R99	Test tolerance for Total power dynamic range	withdrawn	F		Base station conformance testing (FDD)	R4
RP-000594	25.142	38		3.3.0	R99	Clarifications for EVM definition	approved	F	3.4.0	Base station conformance testing (TDD)	R4
RP-000594	25.142	39		3.3.0	R99	Conformance test description for frequency stability	approved	F	3.4.0	Base station conformance testing (TDD)	R4
RP-000594	25.142	40		3.3.0	R99	Conformance test description for inner loop power control	approved	F	3.4.0	Base station conformance testing (TDD)	R4
RP-000594	25.142	41		3.3.0	R99	Conformance test description for power control dynamic range	approved	F	3.4.0	Base station conformance testing (TDD)	R4
RP-000594	25.142	42		3.3.0	R99	Conformance test description for transmit ON/OFF power	approved	F	3.4.0	Base station conformance testing (TDD)	R4
RP-000594	25.142	43		3.3.0	R99	Conformance test description for occupied bandwidth	approved	F	3.4.0	Base station conformance testing (TDD)	R4
RP-000594	25.142	44		3.3.0	R99	Conformance test description for performance requirements	approved	F	3.4.0	Base station conformance testing (TDD)	R4
RP-000594	25.142	45		3.3.0	R99	Editorial correction to ACLR test	approved	F	3.4.0	Base station conformance testing (TDD)	R4
RP-000594	25.142	46		3.3.0	R99	Correction to reference measurement channels	approved	F	3.4.0	Base station conformance testing (TDD)	R4
SP-000550	02.68	A014		8.0.0	R99	Correction of implementation of Clarification of interaction with CCBS service	approved	F	8.1.0	Voice Group Call Service (VGCS) - Stage 1	S1
SP-000550	02.69	A015		8.0.0	R99	Correction of implementation of Clarification of interaction with CCBS service	approved	F	8.1.0	Voice Broadcast Service (VBS) - Stage 1	S1
SP-000536	02.78	A042		6.4.0	R97	Support of CAMEL Phase 1 and 2	approved	F	6.5.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service definition (Stage 1)	S1
SP-000536	02.78	A043		7.0.0	R98	Support of CAMEL Phase 1 and 2	approved	A	7.1.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service definition (Stage 1)	S1
SP-000659	21.905	004		4.0.0	Rel-4	Introduces ASCI definition	approved	B	4.1.0	3G Vocabulary	S1
SP-000549	21.905	005		3.2.0	Rel-4	Inclusion of GSM 01.04 v 7.0.0 acronyms and abbreviations in the vocabulary	withdrawn	B		3G Vocabulary	S1
SP-000659	21.905	005	1	4.0.0	Rel-4	Inclusion of GSM 01.04 v 7.0.0 acronyms and abbreviations in the vocabulary	approved	B	4.1.0	3G Vocabulary	S1
SP-000539	22.001	005		4.0.0	Rel-4	Subscription Check	approved	B	4.1.0	Principles of CircuitTelecommunication Services Supported by a Public Land Mobile Network (PLMN)	S1

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SP-000540	22.003	004		4.0.0	Rel-4	Removal of TS61 and TS62 in NT mode from GSM in Rel-4 and later releases	revised	C		Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	S1
SP-000687	22.003	004	1	4.0.0	Rel-4	Removal of TS61 and TS62 in NT mode from GSM in Rel-4 and later releases	approved	C	4.1.0	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	S1
SP-000541	22.038	006		4.0.0	Rel-4	LS on USAT local link mechanism and impact on TS 22.038	approved	B	4.1.0	SIM application toolkit (SAT); Stage 1	S1
SP-000541	22.038	007		5.0.0	Rel-5	LS on USAT local link mechanism and impact on TS 22.038	approved	B	5.1.0	SIM application toolkit (SAT); Stage 1	S1
SP-000532	22.041	003		3.1.0	R99	Operator Determined Barring of Packet Oriented Services	approved	F	3.2.0	Operator Determined Call Barring	S1
SP-000532	22.041	004		3.1.0	Rel-4	Operator Determined Barring of Packet Oriented Services	approved	B	4.0.0	Operator Determined Call Barring	S1
SP-000542	22.060	019		4.1.0	Rel-4	Removal of PTM-G service	approved	A	4.2.0	General Packet Radio Service (GPRS); Stage 1	S1
SP-000542	22.060	020		4.1.0	Rel-4	Push Service	approved	C	4.2.0	General Packet Radio Service (GPRS); Stage 1	S1
SP-000543	22.067	002		3.0.1	Rel-4	Introduces definition of called party pre-emption	approved	B	4.0.0	enhanced Multi-Level Precedence and Pre-emption service (eMLPP) - Stage 1	S1
SP-000544	22.071	019		4.1.0	Rel-4	Privacy Exception List	approved	B	4.2.0	Location Services (LCS); Stage 1	S1
SP-000544	22.071	020		4.1.0	Rel-4	Periodic Location Reporting	approved	B	4.2.0	Location Services (LCS); Stage 1	S1
SP-000544	22.071	021		4.1.0	Rel-4	Location Service Request	approved	B	4.2.0	Location Services (LCS); Stage 1	S1
SP-000544	22.071	022		4.1.0	Rel-4	Periodic Location Reporting amendment	approved	C	4.2.0	Location Services (LCS); Stage 1	S1
SP-000544	22.071	023		4.1.0	Rel-4	Addition of achieved location information accuracy with reference to TS 23.032	approved	C	4.2.0	Location Services (LCS); Stage 1	S1
SP-000538	22.078	062	3	3.4.1	R99	Alignment with stage 2 & 3, and editorial clarification	withdrawn	F		CAMEL; Stage 1	S1
SP-000688	22.078	062	4	3.5.0	R99	Alignment with stage 2 & 3, and editorial clarification	revised	F		CAMEL; Stage 1	S1
SP-000698	22.078	062	5	3.5.0	R99	Alignment with stage 2 & 3, and editorial clarification	approved	F	3.6.0	CAMEL; Stage 1	S1
SP-000698	22.078	063		5.0.0	Rel-5	Introduction of Call Party Handling	approved	B	5.1.0	CAMEL; Stage 1	S1
SP-000537	22.078	065		3.5.0	R99	Introduction of GGSN Address	approved	F	3.6.0	CAMEL; Stage 1	S1
SP-000537	22.078	066		4.0.0	Rel-4	Introduction of GGSN Address	approved	A	4.1.0	CAMEL; Stage 1	S1
SP-000537	22.078	067		5.0.0	Rel-5	Introduction of GGSN Address	approved	A	5.1.0	CAMEL; Stage 1	S1
SP-000545	22.078	068		5.0.0	Rel-5	Enhancement to the Mid Call event to include out band information	approved	B	5.1.0	CAMEL; Stage 1	S1
SP-000536	22.078	071		3.5.0	R99	Support of CAMEL Phase 1 and 2	approved	A	3.6.0	CAMEL; Stage 1	S1
SP-000538	22.078	072		3.4.1	R99	Removal of Volume charging for GPRS Session	withdrawn	F		CAMEL; Stage 1	S1
SP-000698	22.078	072	1	3.5.0	R99	Removal of Volume charging for GPRS Session	approved	F	3.6.0	CAMEL; Stage 1	S1
SP-000545	22.078	073		5.0.0	Rel-5	Criteria for the Mid-Call event detection point	approved	C	5.1.0	CAMEL; Stage 1	S1
SP-000658	22.078	074		5.0.0	Rel-5	Introduction of IP multimedia sessions control in CAMEL Phase 4	withdrawn	B		CAMEL; Stage 1	S1
SP-000533	22.101	057		3.11.0	R99	Deleting Encrypted USIM-ME interface	approved	F	3.12.0	UMTS Service principles	S1
SP-000533	22.101	058		4.1.0	Rel-4	Deleting Encrypted USIM-ME interface	approved	A	4.2.0	UMTS Service principles	S1
SP-000533	22.101	059		5.0.0	Rel-5	Deleting Encrypted USIM-ME interface	approved	A	5.1.0	UMTS Service principles	S1
SP-000546	22.101	060		4.1.0	Rel-4	Support of UMTS AKA for GSM only mobiles	withdrawn	B		UMTS Service principles	S1
SP-000546	22.101	061		5.0.0	Rel-5	Support of UMTS AKA for GSM only mobiles	withdrawn	B		UMTS Service principles	S1
SP-000535	22.105	028		3.9.0	R99	Alignment of delay definition	revised	A		Services & Service capabilities	S1
SP-000683	22.105	028		3.9.0	R99	Alignment of delay definition	approved	F	3.10.0	Services & Service capabilities	S1
SP-000683	22.105	029		4.0.0	Rel-4	Alignment of delay definition	approved	A	4.1.0	Services & Service capabilities	S1
SP-000547	22.105	029		4.0.0	Rel-4	Correction to list of access dependent features.	approved	B	4.1.0	Services & Service capabilities	S1

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SP-000534	22.129	015		3.4.0	R99	Handover requirements	approved	F	3.5.0	Handover Requirements between UMTS and GSM or other Radio Systems	S1
SP-000534	22.129	016		4.0.0	Rel-4	Handover requirements	approved	A	4.1.0	Handover Requirements between UMTS and GSM or other Radio Systems	S1
SP-000548	22.140	003		4.0.1	Rel-4	Incorporating Instant Messaging Capabilities in MMS	rejected	B		Multimedia Messaging Service Stage 1	S1
SP-000550	42.068	001		4.0.1	Rel-4	Correction of implementation of Clarification of interaction with CCBS service	approved	A	4.1.0	Voice Group Call Service (VGCS) - Stage 1	S1
SP-000550	42.069	001		4.0.1	Rel-4	Correction of implementation of Clarification of interaction with CCBS service	approved	A	4.1.0	Voice Broadcast Service (VBS) - Stage 1	S1
SP-000587	23.002	022		3.3.0	R99	CAMEL for the PS domain	approved	F	3.4.0	Network Architecture	S2
SP-000587	23.002	023		4.0.0	Rel-4	CAMEL for the PS domain	approved	F	4.1.0	Network Architecture	S2
SP-000587	23.002	024		5.0.0	Rel-5	CAMEL for the PS domain	approved	F	5.1.0	Network Architecture	S2
SP-000587	23.002	026	1	4.0.0	Rel-4	Introduction of Iu-CS and Iu-PS interfaces to BSS of type GERAN in the network architecture for REL-4	approved	B	4.1.0	Network Architecture	S2
SP-000588	23.060	183	2	3.5.0	R99	MS permanent (static) PDP address allocation by External PDN	approved	F	3.6.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-000588	23.060	184		3.5.0	R99	Clarification of Routing Area update in PMM-Connected mode	approved	F	3.6.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-000588	23.060	185		3.5.0	R99	Correction to the Inters system change procedures	approved	F	3.6.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-000588	23.060	188	1	3.5.0	R99	Adding security parameters to SGSN MM Context	approved	F	3.6.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-000588	23.060	189		3.5.0	R99	Correction of the definition of class-C mobile	approved	F	3.6.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-000588	23.060	190	1	3.5.0	R99	Correction of Fig. 5 and Fig. 13	approved	F	3.6.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-000588	23.060	191	3	3.5.0	R99	Clarification of derivation of TEID	approved	F	3.6.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-000588	23.060	192		3.5.0	R99	Addition of the Camel Application Part interface to logical architecture.	approved	F	3.6.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-000588	23.060	194		3.5.0	R99	LS on MS Network Capability Conflict	approved	F	3.6.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-000588	23.060	195	2	3.5.0	R99	Dynamic IP v6 address allocation	approved	F	3.6.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-000588	23.060	196		3.5.0	R99	Removal of mapping Priority property in CS into QoS	approved	F	3.6.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-000589	23.101	001	1	3.0.1	R99	CR on UE/MS definitions	revised	F		General UMTS Architecture	S2
SP-000668	23.101	001	2	3.0.1	R99	CR on UE/MS definitions	revised	F		General UMTS Architecture	S2
SP-000695	23.101	001	3	3.0.1	R99	CR on UE/MS definitions	revised	F		General UMTS Architecture	S2
SP-000697	23.101	001	4	3.0.1	R99	CR on UE/MS definitions	approved	F	3.1.0	General UMTS Architecture	S2
SP-000591	23.107	033		3.4.0	R99	Scope of TS23.107	approved	D	3.5.0	Quality of Service, Concept and Architecture	S2
SP-000591	23.107	035		3.4.0	Rel-4	Scope of TS23.107	approved	D	4.0.0	Quality of Service, Concept and Architecture	S2
SP-000591	23.107	036		3.4.0	R99	Streaming Delay Attribute	approved	D	3.5.0	Quality of Service, Concept and Architecture	S2

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SP-000591	23.107	039		3.4.0	Rel-4	Asymmetric Transfer Delay	approved	F	4.0.0	Quality of Service, Concept and Architecture	S2
SP-000592	23.121	063		3.4.0	R99	Removal of Combined update towards the HLR for a combined 3G (MSC/VLR+SGSN) configuration	approved	F	3.5.0	Architecture Requirements for release 99	S2
SP-000590	23.127	019		3.2.0	R99	Alignment with 29.198 in getTerminalCapabilities()	approved	F	3.3.0	Virtual Home Environment - Stage 2	S2
SP-000680	23.127	040		3.2.0	R99	Removal of the parameter service Properties in the method selectService	approved	F	3.3.0	Virtual Home Environment - Stage 2	S2
SP-000680	23.127	041		3.2.0	R99	Missing setCallBackWithSessionID	approved	F	3.3.0	Virtual Home Environment - Stage 2	S2
SP-000680	23.127	042		3.2.0	R99	getCriteria has superfluous assignmentID parameter.	approved	F	3.3.0	Virtual Home Environment - Stage 2	S2
SP-000593	23.171	005		3.1.0	R99	Adding a chapter "MT-LR without HLR Query - applicable to North America Emergency Calls only" to TS 23.171	approved	B	3.2.0	Functional stage 2 description of location services in UMTS	S2
SP-000623	03.33	002		7.1.0	R98	Addition of parameters to the X3-Interface	approved	F	7.2.0	Lawful Interception - stage 2	S3
SP-000623	03.33	003		8.0.0	R99	Addition of parameters to the X3-Interface	approved	A	8.1.0	Lawful Interception - stage 2	S3
SP-000624	03.33	004		7.1.0	R98	Deletion of mono-mode and addition of optimal routeing	revised	F		Lawful Interception - stage 2	S3
SP-000670	03.33	004	1	7.1.0	R98	Deletion of mono-mode and addition of optimal routeing	approved	F	7.2.0	Lawful Interception - stage 2	S3
SP-000624	03.33	005		8.0.0	R99	Deletion of mono-mode and addition of optimal routeing	revised	A		Lawful Interception - stage 2	S3
SP-000670	03.33	005	1	8.0.0	R99	Deletion of mono-mode and addition of optimal routeing	approved	A	8.1.0	Lawful Interception - stage 2	S3
SP-000626	33.102	129		3.6.0	R99	Corrections on ciphering and integrity protection	approved	F	3.7.0	Security Architecture	S3
SP-000626	33.102	130		3.6.0	R99	Re-transmission of authentication request using the same quintet	approved	F	3.7.0	Security Architecture	S3
SP-000626	33.102	131		3.6.0	R99	Corrections to Counter Check procedure	approved	F	3.7.0	Security Architecture	S3
SP-000626	33.102	132		3.6.0	R99	Intersystem handover for CS Services – from GSM BSS to UTRAN	approved	F	3.7.0	Security Architecture	S3
SP-000626	33.102	133		3.6.0	R99	Correction on use of GSM MS classmark in UMTS	approved	F	3.7.0	Security Architecture	S3
SP-000626	33.102	134		3.6.0	R99	START value handling for MS with a GSM SIM inserted	approved	F	3.7.0	Security Architecture	S3
SP-000627	33.105	015		3.5.0	R99	Layer 2 related corrections	approved	F	3.6.0	Cryptographic Algorithm requirements	S3
SP-000625	33.107	001		3.0.0	R99	Addition of parameters to the X3-Interface	approved	F	3.1.0	Lawful interception architecture and functions	S3-LI
SP-000572	06.51	A009		4.1.0	Ph2	Definition of the homing frame for the alternative EFR implementation	approved	F	4.2.0	GSM Enhanced full rate speech processing functions: General description	S4
SP-000572	06.51	A010		5.2.0	R96	Definition of the homing frame for the alternative EFR implementation	approved	A	5.3.0	GSM Enhanced full rate speech processing functions: General description	S4
SP-000572	06.51	A011		6.1.0	R97	Definition of the homing frame for the alternative EFR implementation	approved	A	6.2.0	GSM Enhanced full rate speech processing functions: General description	S4
SP-000572	06.51	A012		7.1.0	R98	Definition of the homing frame for the alternative EFR implementation	approved	A	7.2.0	GSM Enhanced full rate speech processing functions: General description	S4
SP-000572	06.51	A013		8.1.0	R99	Definition of the homing frame for the alternative EFR implementation	approved	A	8.2.0	GSM Enhanced full rate speech processing functions: General description	S4
SP-000573	06.54	A007		4.1.0	Ph2	Correction to the test vectors of the alternative EFR version	approved	F	4.2.0	Test sequences for the GSM Enhanced Full Rate (EFR)	S4
SP-000573	06.54	A008		5.2.0	R96	Correction to the test vectors of the alternative EFR version	approved	A	5.3.0	Test sequences for the GSM Enhanced Full Rate (EFR)	S4
SP-000573	06.54	A009		6.1.0	R97	Correction to the test vectors of the alternative EFR version	approved	A	6.2.0	Test sequences for the GSM Enhanced Full Rate (EFR)	S4
SP-000573	06.54	A010		7.1.0	R98	Correction to the test vectors of the alternative EFR version	approved	A	7.2.0	Test sequences for the GSM Enhanced Full Rate (EFR)	S4

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SP-000573	06.54	A011		8.1.0	R99	Correction to the test vectors of the alternative EFR version	approved	A	8.2.0	Test sequences for the GSM Enhanced Full Rate (EFR)	S4
	06.93	A009		7.4.0	R98	Re-scheduling of stolen SID_UPDATE frames for AMR (Part 2)		F	7.5.0	Discontinuous Transmission (DTX) for Adaptive Multi-Rate speech traffic channels	S4
SP-000574	06.93	A009	1	7.4.0	R98	Re-scheduling of stolen SID_UPDATE frames for AMR (Part 2)	approved	F	7.5.0	Discontinuous Transmission (DTX) for Adaptive Multi-Rate speech traffic channels	S4
SP-000574	06.93	A010		7.4.0	R98	Re-scheduling of stolen SID_UPDATE frames by SID_FIRST frames for AMR Clarification of Hangover period after Handover	approved	F	7.5.0	Discontinuous Transmission (DTX) for Adaptive Multi-Rate speech traffic channels	S4
	26.093	003		3.2.0	R99	Re-scheduling of stolen SID_UPDATE frames for AMR (Part 2)		A	3.3.0	AMR speech Codec; Source Controlled Rate operation	S4
SP-000574	26.093	003	1	3.2.0	R99	Re-scheduling of stolen SID_UPDATE frames for AMR (Part 2)	approved	A	3.3.0	AMR speech Codec; Source Controlled Rate operation	S4
SP-000574	26.093	004		3.2.0	Rel-4	Re-scheduling of stolen SID_UPDATE frames for AMR (Part 2)	approved	A	4.0.0	AMR speech Codec; Source Controlled Rate operation	S4
SP-000574	26.093	005		3.2.0	R99	Re-scheduling of stolen SID_UPDATE frames by SID_FIRST frames for AMR Clarification of Hangover period after Handover	approved	A	3.3.0	AMR speech Codec; Source Controlled Rate operation	S4
SP-000574	26.093	006		3.2.0	Rel-4	Re-scheduling of stolen SID_UPDATE frames by SID_FIRST frames for AMR	approved	A	4.0.0	AMR speech Codec; Source Controlled Rate operation	S4
	26.102	005		3.1.0	R99	AMR interface to Iu		F	3.2.0	AMR speech Codec; Interface to Iu and Uu	S4
SP-000575	26.102	005	1	3.1.0	R99	AMR interface to Iu	approved	F	3.2.0	AMR speech Codec; Interface to Iu and Uu	S4
SP-000576	26.103	004		3.0.0	Rel-4	Introduction of Codec Type Bit-Map for Codec Negotiation	approved	B	4.0.0	Codec lists	S4
SP-000576	26.103	005		3.0.0	Rel-4	Introduction of Selected Codec Type for Codec Negotiation	approved	B	4.0.0	Codec lists	S4
SP-000576	26.103	006		3.0.0	Rel-4	Clarification for the use of the Codec List Information Element	approved	F	4.0.0	Codec lists	S4
SP-000577	26.104	001		3.0.0	R99	AMR Core Frame bit ordering (AMR speech Codec; Floating point C-Code)	approved	F	3.1.0	AMR speech Codec; Floating point C-Code	S4
SP-000577	26.104	002		3.0.0	Rel-4	AMR Core Frame bit ordering (AMR speech Codec; Floating point C-Code)	approved	A	4.0.0	AMR speech Codec; Floating point C-Code	S4
	26.111	005		3.3.0	R99	MPEG4 visual simple profile @ level 0		F	3.4.0	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	S4
SP-000653	26.111	005	1	3.3.0	R99	MPEG4 visual simple profile @ level 0	approved	F	3.4.0	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	S4
	26.911	006		3.2.1	R99	Annex K submodes of H.263 video codec for 3G-H324 specification		F	3.3.0	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	S4
SP-000579	26.911	006	1	3.2.1	R99	Annex K submodes of H.263 video codec for 3G-H324 specification	approved	F	3.3.0	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	S4
SP-000579	26.911	007		3.2.1	Rel-4	Annex K submodes of H.263 video codec for 3G-H324 specification	approved	A	4.0.0	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	S4

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SP-000579	26.911	008		3.2.1	R99	Editorial changes due to Correction of TS 26.111	approved	F	3.3.0	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	S4
SP-000523	32.005	002		3.2.0	R99	Support 3G CS by adding "system type" parameter to CDRs (same as in 3G PS)	rejected	F		Telecommunications Management; Charging and billing; GSM call and event data for the Circuit Switched (CS) domain	S5
SP-000699	32.005	003		3.2.0	R99	Correction of parameter Location Area and Cell	approved	F	3.3.0	Telecommunications Management; Charging and billing; GSM call and event data for the Circuit Switched (CS) domain	S5
SP-000699	32.005	004		3.2.0	R99	Correction of parameter CallEventRecord	approved	F	3.3.0	Telecommunications Management; Charging and billing; GSM call and event data for the Circuit Switched (CS) domain	S5
SP-000516	32.015	013		3.3.0	R99	Alignment of Triggers for S-CDR closure	approved	F	3.4.0	Telecommunications Management; Charging and billing; GSM call and event data for the Packet Switched (PS) domain	S5
SP-000516	32.015	014		3.3.0	R99	Ambiguities in Packet Transfer Command IE & Data Record Packet IE	approved	F	3.4.0	Telecommunications Management; Charging and billing; GSM call and event data for the Packet Switched (PS) domain	S5
SP-000516	32.015	015		3.3.0	R99	Inconsistency of Charging Characteristic size	approved	F	3.4.0	Telecommunications Management; Charging and billing; GSM call and event data for the Packet Switched (PS) domain	S5
SP-000516	32.015	016		3.3.0	R99	Alignment of ASN.1 for QoS attributes	approved	F	3.4.0	Telecommunications Management; Charging and billing; GSM call and event data for the Packet Switched (PS) domain	S5
SP-000516	32.015	017		3.3.0	R99	Correction of parameter CallEventRecord	approved	F	3.4.0	Telecommunications Management; Charging and billing; GSM call and event data for the Packet Switched (PS) domain	S5
SP-000516	32.015	018		3.3.0	R99	Correction of parameter Location Area and Cell	approved	F	3.4.0	Telecommunications Management; Charging and billing; GSM call and event data for the Packet Switched (PS) domain	S5
SP-000516	32.015	019		3.3.0	R99	Correction of ASN.1 errors	approved	F	3.4.0	Telecommunications Management; Charging and billing; GSM call and event data for the Packet Switched (PS) domain	S5
SP-000522	32.101	006		3.2.0	R99	Update references to allow both CORBA Versions 2.1 and 2.3	approved	F	3.3.0	3G Telecom Management principles and high level requirements	S5
SP-000517	32.104	008		3.3.0	R99	Clarification of measurement definition template	approved	F	3.4.0	3G Performance Management	S5
SP-000518	32.106-2	001		3.1.0	R99	Consistent description of Event types and Extended event types	approved	F	3.2.0	Telecommunication Management; Configuration Management; Part 2: Notification Integration Reference Point; Information Service version 1	S5
SP-000518	32.106-2	002		3.1.0	R99	Correction of parameter inconsistency in operation unsubscribe	approved	F	3.2.0	Telecommunication Management; Configuration Management; Part 2: Notification Integration Reference Point; Information Service version 1	S5
SP-000519	32.106-3	001	1	3.1.0	R99	Add pragma statement to Notification IRP IDL	approved	F	3.2.0	Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1	S5

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SP-000519	32.106-3	002		3.1.0	R99	Correction of IDL Errors	approved	F	3.2.0	Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1	S5
SP-000519	32.106-3	003		3.1.0	R99	Spelling Errors in the CORBA IDL	approved	F	3.2.0	Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1	S5
SP-000519	32.106-3	004		3.1.0	R99	Ensure consistency with IDL exception	approved	F	3.2.0	Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1	S5
SP-000520	32.111-2	003		3.2.0	R99	Incorrect modifiable attributes	approved	F	3.3.0	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	S5
SP-000520	32.111-2	004		3.2.0	R99	Add acknowledgement information to getAlarmList result	approved	F	3.3.0	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	S5
SP-000520	32.111-2	005		3.2.0	R99	Identification of valid Event Types and Extended Event Types within Notifications	approved	F	3.3.0	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	S5
SP-000520	32.111-2	006		3.2.0	R99	A cleared Alarm shall be given perceived severity "Cleared" and nothing else	approved	F	3.3.0	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	S5
SP-000520	32.111-2	007		3.2.0	R99	Inconsistent behaviour for cleared not yet acknowledged alarms	approved	F	3.3.0	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	S5
SP-000521	32.111-3	001	1	3.2.0	R99	Allow “Structured Event Filterable Body Fields” to be absent if parameters are not used	approved	F	3.3.0	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	S5
SP-000521	32.111-3	002	1	3.2.0	R99	Specific behaviour of the Iterator	approved	F	3.3.0	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	S5
SP-000521	32.111-3	005		3.2.0	R99	Inconsistent qualifiers	approved	F	3.3.0	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	S5
SP-000526	01.01	001		8.0.0	R99	Update list of R99 specs	approved	F	8.1.0	GSM R99 Specification set	SP
SP-000527	21.101	003		3.1.0	R99	Update list of R99 specs	approved	F	3.2.0	3rd Generation mobile system Release 1999 Specifications	SP
SP-000506	21.900	011		3.4.0	R99	Release numbers appearing in CR cover sheets	revised	F		3GPP Working methods	SP
SP-000693	21.900	011	1	3.4.0	R99	Release numbers appearing in CR cover sheets	approved	F	3.5.0	3GPP Working methods	SP
SP-000693	21.900	012	1	3.4.0	R99	Clarification of the "freezing" of specifications	approved	F	3.5.0	3GPP Working methods	SP
SP-000693	21.900	013	2	3.4.0	R99	Release mechanisms	approved	F	3.5.0	3GPP Working methods	SP
TP-000215	34.108	021		3.1.0	R99	Common generic procedure for AS testing	approved	B	3.2.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1

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TP-000215	34.108	022		3.1.0	R99	Requirements for the system simulator for support of Tcell parameter	approved	F	3.2.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-000215	34.108	023		3.1.0	R99	Minimum Performance Levels	approved	F	3.2.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-000215	34.108	024		3.1.0	R99	Downlink signal conditions and propagation conditions	approved	D	3.2.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-000215	34.108	025		3.1.0	R99	Updating 34.108 v3.1.0 to TDD single mode	approved	F	3.2.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-000215	34.108	026		3.1.0	R99	Application of integrity mode protection to signalling message by default	approved	F	3.2.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-000215	34.108	027		3.1.0	R99	Updates to the default message contents in clause 9	approved	C	3.2.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-000215	34.108	028		3.1.0	R99	Updates to System Information Block (SIB) and Master Information Block (MIB) messages	approved	C	3.2.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-000215	34.108	029		3.1.0	R99	Application of ciphering during conformance testing	approved	C	3.2.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-000215	34.108	030		3.1.0	R99	Addition for System Information parameters (34.108 clause 6.1)	approved	F	3.2.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-000215	34.108	031		3.1.0	R99	Correction for Generic Setup Procedures (34.108 clause 7.2)	approved	F	3.2.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-000216	34.121	038		3.2.0	R99	Corrections to Chapter 3 "Definitions, symbols, abbreviations and equations"	approved	D	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-000216	34.121	039		3.2.0	R99	Vocabulary Corrections	approved	D	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-000216	34.121	040		3.2.0	R99	Reference Measurement Channels in Annex C	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-000216	34.121	041		3.2.0	R99	Inclusion of OCNS definition for performance tests	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-000216	34.121	042		3.2.0	R99	Handling of measurement uncertainties in UE conformance testing (FDD)	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-000216	34.121	043		3.2.0	R99	Update of Idle mode test cases	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-000216	34.121	044		3.2.0	R99	UE emission mask measurement filter definition correction	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-000216	34.121	045		3.2.0	R99	New structure of TS 34.121	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-000216	34.121	046		3.2.0	R99	Test for combining TPC commands in soft handover	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-000216	34.121	047		3.2.0	R99	Corrections to power control tests	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-000216	34.121	048		3.2.0	R99	Correction to Open Loop Power Control in Uplink	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-000216	34.121	049		3.2.0	R99	Correction to Transmit ON/OFF Time mask	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-000216	34.121	050		3.2.0	R99	Correction to Spurious Emission test	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-000216	34.121	051		3.2.0	R99	Correction of spurious emission measurement procedure	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1

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TP-000216	34.121	052		3.2.0	R99	Out-of-synchronization handling of output power	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-000216	34.121	053		3.2.0	R99	Clarification of test procedure and test requirement for receiver blocking and spurious response.	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-000216	34.121	054		3.2.0	R99	Subclause 7.8 Power control in downlink	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-000216	34.121	055		3.2.0	R99	Downlink compressed mode	approved	F	3.3.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-000217	34.122	002		3.1.0	R99	Update of 34.122 according to RAN#9-approved CRs to 25.102	approved	F	3.2.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-000217	34.122	003		3.1.0	R99	Update according to former CRs to 25.102	approved	F	3.2.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-000217	34.122	004		3.1.0	R99	editorial corrections for: Global In-Channel TX- Test	approved	D	3.2.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-000217	34.122	005		3.1.0	R99	Handling of measurement uncertainties in UE conformance testing (TDD)	approved	F	3.2.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-000217	34.122	006		3.1.0	R99	Uplink Power control	approved	F	3.2.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-000217	34.122	007		3.1.0	R99	UE maximum output power multicode	approved	F	3.2.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-000217	34.122	008		3.1.0	R99	Out-of-synchronisation handling of output power	approved	F	3.2.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-000218	34.123-1	034		3.1.0	R99	Application of integrity mode protection to signalling message by default	approved	F	3.2.0	UE Conformance Specification, Part 1 – Conformance specification	T1
TP-000218	34.123-1	035		3.1.0	R99	New teset cases for CS intersystem handover	approved	B	3.2.0	UE Conformance Specification, Part 1 – Conformance specification	T1
TP-000218	34.123-1	036		3.1.0	R99	CR to 34.123-1, Annex B, Mapping of test cases to core specification versions	approved	D	3.2.0	UE Conformance Specification, Part 1 – Conformance specification	T1
TP-000218	34.123-1	037		3.1.0	R99	Application of ciphering during conformance testing and changes to integrity mode protection related messages	approved	C	3.2.0	UE Conformance Specification, Part 1 – Conformance specification	T1
TP-000218	34.123-1	038		3.1.0	R99	Idle Mode test cases in chapter 6	approved	F	3.2.0	UE Conformance Specification, Part 1 – Conformance specification	T1
TP-000218	34.123-1	039		3.1.0	R99	Update to RLC test cases	approved	F	3.2.0	UE Conformance Specification, Part 1 – Conformance specification	T1
TP-000218	34.123-1	040		3.1.0	R99	Technical Corrections to RRC test cases in clause 8	approved	F	3.2.0	UE Conformance Specification, Part 1 – Conformance specification	T1
TP-000218	34.123-1	041		3.1.0	R99	Updates to clause 8 and Annex A due to RAN2 core specifications modifications	approved	C	3.2.0	UE Conformance Specification, Part 1 – Conformance specification	T1
TP-000218	34.123-1	042		3.1.0	R99	Editorial modification for CC test cases (Clause 10)	approved	D	3.2.0	UE Conformance Specification, Part 1 – Conformance specification	T1
TP-000218	34.123-1	043		3.1.0	R99	Update of radio bearer test cases	approved	F	3.2.0	UE Conformance Specification, Part 1 – Conformance specification	T1
TP-000218	34.123-1	044		3.1.0	R99	Update of Session Management test cases	approved	B	3.2.0	UE Conformance Specification, Part 1 – Conformance specification	T1
TP-000218	34.123-1	045		3.1.0	R99	Modification to the “Authentication rejected by the UE” test case	approved	F	3.2.0	UE Conformance Specification, Part 1 – Conformance specification	T1
TP-000218	34.123-1	046		3.1.0	R99	Update to 16. SMS test specification	approved	F	3.2.0	UE Conformance Specification, Part 1 – Conformance specification	T1

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TP-000218	34.123-1	047		3.1.0	R99	Correction to MM tests	approved	D	3.2.0	UE Conformance Specification, Part 1 – Conformance specification	T1
TP-000219	34.123-2	001		3.1.0	R99	Update of Applicability statements for “Idle mode test cases”	approved	F	3.2.0	UE Conformance Specification, Part 2 – ICS	T1
TP-000219	34.123-2	002		3.1.0	R99	Update of applicability clauses for RLC test cases	approved	F	3.2.0	UE Conformance Specification, Part 2 – ICS	T1
TP-000219	34.123-2	003		3.1.0	R99	Update of Applicability Statements for RRC Test Cases	approved	F	3.2.0	UE Conformance Specification, Part 2 – ICS	T1
TP-000219	34.123-2	004		3.1.0	R99	Update of applicability statements for radio bearer test cases	approved	F	3.2.0	UE Conformance Specification, Part 2 – ICS	T1
TP-000219	34.123-2	005		3.1.0	R99	Update of applicability statements for Session Management test cases	approved	B	3.2.0	UE Conformance Specification, Part 2 – ICS	T1
TP-000219	34.123-2	006		3.1.0	R99	Update of Applicability statements for PACKET SWITCHED MOBILITY MANAGEMENT	approved	B	3.2.0	UE Conformance Specification, Part 2 – ICS	T1
TP-000222	34.124	004		3.1.0	R99	Editorial modifications for purposes of clarification.	approved	D	3.2.0	Electro-Magnetic Compatibility (EMC) for Terminal equipment - stage 1	T1
TP-000194	21.904	008		3.2.0	R99	Reflection of the decision to stop work on the TR after December 2000, and miscellaneous editorial corrections	approved	F	3.3.0	UE Capability Requirements (UCR)	T2
TP-000195	23.038	005		4.0.0	Rel-4	Data coding scheme value for the Icelandic language	approved	B	4.1.0	Alphabets & Language	T2
TP-000193	23.057	013		3.3.0	Rel-4	Support of blanket user permission	approved	C	4.0.0	Mobile Station Application Execution Environment (MExE)	T2
TP-000193	23.057	014		3.3.0	Rel-4	Update of WAP version MExE release 4 refers to	approved	C	4.0.0	Mobile Station Application Execution Environment (MExE)	T2
TP-000193	23.057	015		3.3.0	Rel-4	Application version number	approved	C	4.0.0	Mobile Station Application Execution Environment (MExE)	T2
TP-000193	23.057	016		3.3.0	Rel-4	Capability negotiation for browsing	approved	C	4.0.0	Mobile Station Application Execution Environment (MExE)	T2
TP-000193	23.057	017		3.3.0	Rel-4	Addition of the definitions of MExE API and MExE server	approved	D	4.0.0	Mobile Station Application Execution Environment (MExE)	T2
TP-000193	23.057	018		3.3.0	Rel-4	Generic MExE Classmark 1 aspects	approved	D	4.0.0	Mobile Station Application Execution Environment (MExE)	T2
TP-000193	23.057	019		3.3.0	Rel-4	Core software download support	approved	C	4.0.0	Mobile Station Application Execution Environment (MExE)	T2
TP-000193	23.057	020		3.3.0	Rel-4	Application connection information	approved	C	4.0.0	Mobile Station Application Execution Environment (MExE)	T2
TP-000193	23.057	021		3.3.0	Rel-4	Support of journalling	approved	C	4.0.0	Mobile Station Application Execution Environment (MExE)	T2
TP-000193	23.057	022		3.3.0	Rel-4	Support of the user profile	approved	C	4.0.0	Mobile Station Application Execution Environment (MExE)	T2
TP-000193	23.057	023		3.3.0	Rel-4	Capability Negotiation	approved	F	4.0.0	Mobile Station Application Execution Environment (MExE)	T2
TP-000193	23.057	024		3.3.0	Rel-4	Datagram recipient addressing	approved	C	4.0.0	Mobile Station Application Execution Environment (MExE)	T2
TP-000193	23.057	025		3.3.0	Rel-4	QoS support in MExE devices	approved	C	4.0.0	Mobile Station Application Execution Environment (MExE)	T2
TP-000193	23.057	026		3.3.0	Rel-4	Core software download	approved	B	4.0.0	Mobile Station Application Execution Environment (MExE)	T2

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
TP-000193	23.057	027		3.3.0	Rel-4	RDF and XML References	approved	C	4.0.0	Mobile Station Application Execution Environment (MExE)	T2
TP-000193	23.057	028		3.3.0	Rel-4	Support of VHE	approved	C	4.0.0	Mobile Station Application Execution Environment (MExE)	T2
TP-000193	23.057	029		3.3.0	Rel-4	High level architecture	approved	C	4.0.0	Mobile Station Application Execution Environment (MExE)	T2
TP-000193	23.057	030		3.3.0	Rel-4	Personal Java Reference	approved	C	4.0.0	Mobile Station Application Execution Environment (MExE)	T2
TP-000193	23.057	031		3.3.0	Rel-4	Deletion of unnecessary text	approved	C	4.0.0	Mobile Station Application Execution Environment (MExE)	T2
TP-000193	23.057	032		3.3.0	Rel-4	User Profile CC/PP tags	approved	C	4.0.0	Mobile Station Application Execution Environment (MExE)	T2
TP-000193	23.057	033		3.3.0	Rel-4	Service management	approved	C	4.0.0	Mobile Station Application Execution Environment (MExE)	T2
TP-000193	23.057	034		3.3.0	Rel-4	Classmark 3 non-security and conformance	approved	B	4.0.0	Mobile Station Application Execution Environment (MExE)	T2
TP-000193	23.057	035		3.3.0	Rel-4	Classmark 3 security and conformance	approved	B	4.0.0	Mobile Station Application Execution Environment (MExE)	T2
TP-000193	23.057	036		3.3.0	Rel-4	Update of HTTP RFC Reference	approved	C	4.0.0	Mobile Station Application Execution Environment (MExE)	T2
TP-000193	23.057	037		3.3.0	Rel-4	Table of UAProf tags	approved	C	4.0.0	Mobile Station Application Execution Environment (MExE)	T2
TP-000193	23.057	038		3.3.0	Rel-4	Added Annex about MExE Executable Life Cycle	approved	C	4.0.0	Mobile Station Application Execution Environment (MExE)	T2
TP-000193	23.057	039		3.3.0	Rel-4	Update to security section for R4	approved	C	4.0.0	Mobile Station Application Execution Environment (MExE)	T2
TP-000193	23.057	040		3.3.0	Rel-4	Conformance Table	approved	B	4.0.0	Mobile Station Application Execution Environment (MExE)	T2
TP-000195	23.140	002		4.0.0	Rel-4	High-level description of MMS	approved	B	4.1.0	Multimedia Messaging Service (MMS)	T2
TP-000194	27.007	049		3.6.0	R99	Incorporation of UICC/USIM references	approved	F	3.7.0	AT command set for 3G User Equipment (UE)	T2
TP-000201	03.19	A005		7.3.0	R98	Clarification of applet triggering EVENT_STATUS_COMMAND event	approved	F	7.4.0	GSM API for SIM toolkit stage 2	T3
TP-000201	03.19	A006		7.3.0	R98	Correction of the export file version of the API	approved	F	7.4.0	GSM API for SIM toolkit stage 2	T3
TP-000201	03.19	A007		7.3.0	R98	Clarification to the SIM Toolkit Framework behaviour	approved	F	7.4.0	GSM API for SIM toolkit stage 2	T3
TP-000201	03.19	A008		7.3.0	R99	Upgrade for release 99	approved	B	8.0.0	GSM API for SIM toolkit stage 2	T3
TP-000202	11.14	A189	2	8.4.0	R99	Clarification of bearer independent related to GPRS	approved	F	8.5.0	Specification of Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface for SIM Application Toolkit	T3
TP-000202	11.14	A190	1	8.4.0	R99	Correction to device identity coding	approved	F	8.5.0	Specification of Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface for SIM Application Toolkit	T3
TP-000202	11.14	A191		8.4.0	R99	Clarification of command qualifier related to LAUNCH BROWSER	approved	F	8.5.0	Specification of Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface for SIM Application Toolkit	T3
TP-000202	11.14	A192		8.4.0	R99	Modification of general result for proactive command with user confirmation	approved	F	8.5.0	Specification of Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface for SIM Application Toolkit	T3

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
TP-000202	11.14	A193		8.4.0	R99	General Clarification and Corrections	approved	F	8.5.0	Specification of Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface for SIM Application Toolkit	T3
TP-000203	31.102	055		3.3.0	R99	Corrections and clarifications on Phonebook	approved	F	3.4.0	Characteristics of the USIM Application	T3
TP-000203	31.102	056		3.3.0	R99	Miscellaneous clarifications and minor corrections	approved	F	3.4.0	Characteristics of the USIM Application	T3
TP-000203	31.102	057		3.3.0	R99	File-ID EFs of the phonebook	approved	F	3.4.0	Characteristics of the USIM Application	T3
TP-000203	31.102	058		3.3.0	R99	Correction of the phonebook example	approved	F	3.4.0	Characteristics of the USIM Application	T3
TP-000203	31.102	059		3.3.0	R99	Alignments with 3G TS 33.102 v3.6.0	approved	F	3.4.0	Characteristics of the USIM Application	T3
TP-000254	31.102	060		3.3.0	R99	Storage of network parameters - option 1	withdrawn	F		Characteristics of the USIM Application	T3
TP-000203	31.102	062		3.3.0	R99	Phonebook correction on CCPs	approved	F	3.4.0	Characteristics of the USIM Application	T3
TP-000254	31.102	063		3.3.0	R99	Storage of network parameters - option 2	approved conditionlly-see rep	F	3.4.0	Characteristics of the USIM Application	T3
TP-000254	31.102	064		3.3.0	R99	Storage of network parameters - option 3	approved conditionlly-see rep	F	3.4.0	Characteristics of the USIM Application	T3
TP-000202	31.111	014		4.0.0	Rel-4	New event for display parameters	approved	B	4.1.0	USIM Application Toolkit (USAT)	T3
TP-000202	31.111	015		3.2.0	R99	General Clarification and Correction	approved	F	3.3.0	USIM Application Toolkit (USAT)	T3
TP-000202	31.111	016		4.0.0	Rel-4	General Clarification and Correction	approved	A	4.1.0	USIM Application Toolkit (USAT)	T3
TP-000202	31.111	017		3.2.0	R99	Clarification of command qualifier related to LAUNCH BROWSER	approved	F	3.3.0	USIM Application Toolkit (USAT)	T3
TP-000202	31.111	018		4.0.0	Rel-4	Clarification of command qualifier related to LAUNCH BROWSER	approved	A	4.1.0	USIM Application Toolkit (USAT)	T3
TP-000202	31.111	019		3.2.0	R99	Modification of general result for proactive command with user confirmation	approved	F	3.3.0	USIM Application Toolkit (USAT)	T3
TP-000202	31.111	020		4.0.0	Rel-4	Modification of general result for proactive command with user confirmation	approved	A	4.1.0	USIM Application Toolkit (USAT)	T3
TP-000202	31.111	021		3.2.0	R99	Clarification of bearer independent related to GPRS	approved	F	3.3.0	USIM Application Toolkit (USAT)	T3
TP-000202	31.111	022		4.0.0	Rel-4	Clarification of bearer independent related to GPRS	approved	A	4.1.0	USIM Application Toolkit (USAT)	T3
TP-000202	31.111	023		3.2.0	R99	Correction to device identity coding	approved	F	3.3.0	USIM Application Toolkit (USAT)	T3
TP-000202	31.111	024		4.0.0	Rel-4	Correction to device identity coding	approved	A	4.1.0	USIM Application Toolkit (USAT)	T3

Annex G: Definition of Release 4, extracted from the Project Plan- 20-12-2000

WI ID (level ID)	WG	Rel	Split	WI Name	Mod	Mod since last TSG	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	MCC
Impacted TSs and TRs			Notes		Rapporteur details			Hyperlinks, etc.						
625 6.1	WG RAN3	Rel4	No	IP transport in the UTRAN	No	Yes	ETRAN-IPtrans	TSG	17/07/2000 08:00	30/03/2001 17:00	49%	Yes	Yes	
					Nicolas Drevon, Alcatel			ftp://ftp.3gpp.org/TSG_RAN/TSG_RAN/Work_Item_sheets/RAN_Work_Items.doc						
12 6.4	WG RAN3	Rel4	No	QoS optimisation for AAL2 connections over Iub and Iur interfaces	No	Yes	ETRAN-QoSAAL2	TSG	21/08/2000 08:00	23/03/2001 17:00	26%	Yes	Yes	
					T. Yoshimura, Japan Telecom			ftp://ftp.3gpp.org/TSG_RAN/TSG_RAN/Work_Item_sheets/RAN_Work_Items.doc						
1995 6.5	WG RAN3	Rel4	No	Migration to modification procedures	No	Yes	ETRAN-MigrMod	TSG	02/10/2000 08:00	30/03/2001 17:00	4%	Yes	Yes	
					T. Yoshimura, Japan Telecom			ftp://ftp.3gpp.org/TSG_RAN/TSG_RAN/Work_Item_sheets/RAN_Work_Items.doc						
859 7.1	WG CN4	Rel4	No	IP Transport of CN protocols (e.g., CAP, MAP)	No	No	IPinCN	MCC	25/09/2000 08:00	23/03/2001 17:00	1%	No	No	
			AS: corrected to Rel4 as stated at SA#10											
1471 8.2	WG RAN4	Rel4	No	Base station classification	No	No	RInImp-BSClass	TSG	14/08/2000 08:00	23/03/2001 17:00	16%	Yes	Yes	
					A. Toskala, Nokia			ftp://ftp.3gpp.org/TSG_RAN/TSG_RAN/Work_Item_sheets/RAN_Work_Items.doc						
1507 8.5	WG RAN1	Rel4	No	Terminal Power Saving features	No	No	RInImp-TPS	TSG	19/06/2000 08:00	23/03/2001 17:00	35%	Yes	Yes	
					M. Park, Samsung			ftp://ftp.3gpp.org/TSG_RAN/TSG_RAN/Work_Item_sheets/RAN_Work_Items.doc						
1509 8.6	WG RAN4	Rel4	No	UTRA repeater specification (master)	No	No	RInImp-REP	TSG	10/07/2000 08:00	21/03/2001 17:00	27%	Yes	Yes	
					T. Kummetz, Mikom; M. Nilsson, Allgon			ftp://ftp.3gpp.org/TSG_RAN/TSG_RAN/Work_Item_sheets/RAN_Work_Items.doc						
1994 8.7	WG RAN1	Rel4	No	DSCH power control improvement in soft handover	No	No	RInImp-DSCHsho	TSG	11/09/2000 08:00	23/03/2001 17:00	25%	Yes	Yes	
					A. Toskala, Nokia			ftp://ftp.3gpp.org/TSG_RAN/TSG_RAN/Work_Item_sheets/RAN_Work_Items.doc						

WI ID (level ID)	WG	Rel	Split	WI Name	Mod	Mod since last TSG	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	MCC
Impacted TSs and TRs			Notes		Rapporteur details			Hyperlinks, etc.						
19968.8	WG RAN4	Rel4	No	UMTS 1800	No	No	RInImp-UMTS18	TSG	25/09/2000 08:00	23/03/2001 17:00	0%	Yes	Yes	
					H. Benn, Motorola			ftp://ftp.3gpp.org/TSG_RAN/TSG_RAN/Work_Item_sheets/RAN_Work_Items.doc						
12229	WG RAN1	Rel4	No	Low Chip Rate TDD option	No	No	LCRTDD	TSG	19/07/2000 08:00	02/04/2001 17:00	43%	No	No	Shinobu
					G. Yang, CWTS			ftp://ftp.3gpp.org/TSG_RAN/TSG_RAN/Work_Item_sheets/RAN_Work_Items.doc						
146610.1	WG RAN1	Rel4	No	Smart antenna	No	No	RANimp-SmartA	TSG	14/08/2000 08:00	30/03/2001 17:00	25%	Yes	Yes	
					G. Yang, CWTS			ftp://ftp.3gpp.org/TSG_RAN/TSG_RAN/Work_Item_sheets/RAN_Work_Items.doc						
65610.2	WG RAN3	Rel4	No	RRM optimization for Iur and Iub	No	Yes	RANimp-RRMopt	TSG	11/09/2000 08:00	30/03/2001 17:00	14%	Yes	Yes	
					Gert-Jan van Lieshout, Ericsson			ftp://ftp.3gpp.org/TSG_RAN/TSG_RAN/Work_Item_sheets/RAN_Work_Items.doc						
65510.3	WG RAN1	Rel4	No	Node B synchronisation for TDD	No	No	RANimp-NBsync	TSG	14/08/2000 08:00	23/03/2001 17:00	40%	Yes	Yes	
					S. Oestreich, Siemens			ftp://ftp.3gpp.org/TSG_RAN/TSG_RAN/Work_Item_sheets/RAN_Work_Items.doc						
153912	WG SA4	Rel4	No	Transparent End-to-End PS mobile streaming application	No	No	PSTREAM	TSG	03/04/2000 08:00	29/12/2000 17:00	10%	Yes	Yes	Paolo
								ftp://ftp.3gpp.org/Information/WI_Sheet/SP-000345.pdf						
165413.2	WG CN1	Rel4	No	For CS based calls	No	No	EMC1-CS	TSG	01/05/2000 08:00	13/03/2001 17:00	39%	Yes	Yes	
			WI approved in TSG_10		Mr Rouzbeh, Ericsson EUSFARO@am1.ericsson.se			NP-000379						
132214	WG SA2	Rel4	No	Enable bearer independent CS architecture	No	No	CSSPLIT	TSG	03/01/2000 08:00	15/03/2002 17:00	41%	Yes	Yes	Kimmo
					Alexander Milinski, Siemens			ftp://ftp.3gpp.org/Information/WI_Sheet/SP-000288.pdf						
133315	WG SA2	Rel4	No	CS multimedia services	No	No	CSM	MCC	14/04/2000 08:00	14/01/2002 17:00	0%	No	No	David

WI ID (level ID)	WG	Rel	Split	WI Name	Mod	Mod since last TSG	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	MCC
Impacted TSs and TRs			Notes		Rapporteur details			Hyperlinks, etc.						
134016	WG SA1	Rel4	No	Facsimile	No	No	FAX	TSG	22/02/2000 08:00	22/12/2000 17:00	74%	Yes	Yes	Alain
								ftp://ftp.3gpp.org/Information/WI_Sheet/SP-000169.pdf						
224017.1		Rel4	No	Minimum solution	No	No			28/06/2000 08:00	19/03/2001 17:00	40%	No	No	
152618	WG SA1	Rel4	No	Bearer Modification without pre-notification	No	Yes	BMWPN	TSG	03/01/2000 08:00	05/04/2002 17:00	27%	Yes	Yes	David
			CN1#14:new approach with pre-negotiation is being considered but no CN1 plans are available yet....		Wayne Ashwell, BT			ftp://ftp.3gpp.org/Information/WI_Sheet/SP-000216.pdf						
142420.2	WG SA2	Rel4	No	Interactions OSA - e-commerce	No	No	OSA1-ECOM	WG	11/09/2000 08:00	30/03/2001 17:00	31%	No	No	
			New Network Service Capability Features (N-SCFs) and evolutions of existing ones, e.g. , Call Control SCF (Call Party Handling, SIP), Positioning SCF (see BB Location Services/LCS Application Interfaces), Terminal Capabilities SCF, Charging SCF, E-Commerc											
144722.1	WG SA3	Rel4	No	MExE Security	No	No	MEXE1-SEC	TSG	22/02/2000 08:00	15/12/2000 17:00	63%	Yes	Yes	
			Presentation to S3 of R00 MExE: S3#14, Aug, Email discussion on threats and countermeasures, Aug, Threats and countermeasures analysis: MExE Aug, Presentation to S3 of threats and countermeasures analysis: S3#15, Sept, Feature specification: S3#16,		Colin Blanchard, BT colin.blanchard@bt.com									
181022.2	WG T2	Rel4	No	MExE Rel4 Improvements and Investigations	No	No	MEXE1-ENHANC	TSG	03/01/2000 08:00	15/12/2000 17:00	51%	No	Yes	
22.057, 23.057					Mark CATALDO, Motorola									
162523	WG SA4	Rel4	No	Wideband Telephony Service - AMR (Master)	No	No	AMRWB	TSG	01/01/2000 08:00	11/06/2001 17:00	39%	No	Yes	Paolo
					Imre Varga, Siemens AG Imre.Varga@mch.siemens.de			ftp://ftp.3gpp.org/Information/WI_Sheet/SP-99354.pdf						

WI ID (level ID)	WG	Rel	Split	WI Name	Mod	Mod since last TSG	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	MCC
Impacted TSs and TRs			Notes		Rapporteur details			Hyperlinks, etc.						
154124	WG CN4	Rel4	No	Transcoder-Free Operation	No	No	TrFO	MCC	03/01/2000 08:00	30/03/2001 17:00	83%	No	No	Kimmo
			Lead given to CN4 from CN...											
163125	WG SA4	Rel4	No	Tandem Free aspects for 3G and between 2G and 3G systems	No	No	TFO	MCC	22/02/2000 08:00	06/04/2001 17:00	45%	No	No	Paolo
181826	WG T2	Rel4	No	Multimedia Messaging	No	No	MMS	TSG	22/02/2000 08:00	30/03/2001 17:00	77%	No	Yes	Friedhelm
22.140, 23.140					Josef Laumen, Siemens			TP-000078						
182727.1	WG T2	Rel4	No	AT commands enhancements	No	No	TI-ATC	CHAIR	03/01/2000 08:00	14/03/2001 17:00	4%	No	No	
27.007														
182927.2	WG T2	Rel4	No	Wide Area Data Synchronisation	No	No	TI-WADS	CHAIR	03/01/2000 08:00	15/06/2001 17:00	47%	No	No	
			AS: Rel5 changed to Rel4 according to SA#10 decision, milestone on testing added											
183227.3	WG T2	Rel4	No	Terminal local model	No	No	TLM	TSG	16/05/2000 08:00	15/03/2001 17:00	33%	No	Yes	
23.227					Carl Gustavsson, Ericsson			TP-000080						
52328.4	WG SA2	Rel4	No	LCS support in the CS domain	No	No	LCS1-CS		15/05/2000 08:00	19/01/2001 17:00	44%	No	No	
			Only MAP impact foreseen so far. To be further split if needed.											
52528.5	WG SA2	Rel4	No	LCS support in the PS domain	No	No	LCS1-PS		01/05/2000 08:00	30/03/2001 17:00	50%	No	No	
222928.7	WG T2	Rel4	No	CBS interactions	No	Yes	LCS1-CBS		14/04/2000 08:00	14/03/2001 17:00	100%	No	No	
23.041														
191628.8	WG T2	Rel4	No	MExE interactions	No	Yes	LCS1-MEXE		14/04/2000 08:00	14/03/2001 17:00	0%	No	No	
23.057														

WI ID (level ID)	WG	Rel	Split	WI Name	Mod	Mod since last TSG	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	MCC
Impacted TSs and TRs			Notes		Rapporteur details			Hyperlinks, etc.						
1600 28.9	TSG RAN	Rel4	No	UE positioning	No	No	LCS1-UEpos	TSG	03/04/ 2000 08:00	23/03/ 2001 17:00	20%	Yes	Yes	
								ftp://ftp.3gpp.org/TSG_RAN/TSG_RAN/Work_Item_sheets/RAN_Work_Items.doc						
1542 29	WG SA2	Rel4	No	Ensure reliable QoS for PS domain (Master)	No	No	QoSPS	MCC	03/04/ 2000 08:00	21/06/ 2001 17:00	6%	No	No	David
			as a result propose QoS negotiation and reservation mechanisms to be used in UMTS											
1557 30	WG SA2	Rel4	No	QoS for CS services at HOs (inter-MSC and SRNS change)	No	No	QoSCS	MCC	10/07/ 2000 08:00	26/03/ 2001 17:00	0%	No	No	Alain
1562 31.2	WG T3	Rel4	No	UICC/USIM database specification	No	Yes	UICC1-DataB	TSG	11/12/ 2000 08:00	23/03/ 2001 17:00	0%	Yes	Yes	
			30/12/2000: Start date change because noe work has yet been done. T3 #17 will decide whether to move to rel-5		Jean-Francois Rubon (Gemplus)			TP-99210						
1799 31.3	WG T3	Rel4	No	Common PCN Handset Specification (CPHS)	No	Yes	UICC1-CPHS	TSG	24/07/ 2000 08:00	23/03/ 2001 17:00	51%	No	Yes	
27.103			30/12/2000: Completion date moved to TSG-T #10. Completion amount updated.		?, One2One			TP-000116						
1566 32.1	WG T3	Rel4	No	Enhancements to (U)SIM toolkit secure messaging	No	Yes	USAT1-SM	TSG	27/11/ 2000 08:00	23/03/ 2001 17:00	0%	Yes	Yes	
27.103			30/10/00: completion date changed to March (TSG-T #10). Start date changed to indicate that no work has yet been done.		Daniel Erricson, Across Wireless			TP-000079						
1801 32.2	WG T3	Rel4	No	Protocol Standardisation of a SIM Toolkit Interpreter	No	Yes		TSG	23/06/ 2000 08:00	22/03/ 2001 17:00	56%	No	Yes	
27.103			30/10/00: completion amount updated		Michael Meyer, G & D			TP-000116						
2034 32.3	WG T3	Rel4	No	USAT local link	No	Yes	USAT1-LocLnk	TSG	05/06/ 2000 08:00	23/03/ 2001 17:00	58%	Yes	Yes	
			30/10/00: completion date changed to March (TSG-T #10)		Jean-Francois Rubon (Gemplus)			TP-000116						
2029 32.4.1	WG T3	Rel4	No	Java API	No	No	USAT1-API-JAVA	MCC	11/09/ 2000 08:00	23/03/ 2001 17:00	43%	No	No	

WI ID (level ID)	WG	Rel	Split	WI Name	Mod	Mod since last TSG	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	MCC
Impacted TSs and TRs			Notes		Rapporteur details			Hyperlinks, etc.						
2099 33.1	WG SA3	Rel4	No	UE triggered authentication during connections	No	No	SEC1-UETADC	TSG	03/11/ 2000 08:00	30/03/ 2001 17:00	0%	Yes	Yes	
			Approved TSG SA #09		Peter Howard, Vodafone Peter.Howard@vf.vodafone.co.uk			ftp://ftp.3gpp.org/Information/WI_Sheet/SP-000421.pdf						
1587 33.2	WG SA3	Rel4	No	Evolution of GSM CS algorithms (e.g. A5/3 development and deployment)	No	No	SEC1-CSALGO1	TSG	03/01/ 2000 08:00	15/01/ 2001 17:00	34%	Yes	Yes	
			Reqts capture: S3#14, Aug, Security feature specification: S3#16, Nov, Feasibility study, Jan 01, CRs on def of sec archi, May 01, Integration of sec archi, Feb 01, Complete CRs with S3 review, Apr 01, CRs to be approved at TSG, May 01		? ?			ftp://ftp.3gpp.org/Information/WI_Sheet/SP-000306.pdf						
1588 33.3	WG SA3	Rel4	No	Evolution of GSM PS algorithms (e.g. GEA 2 deployment)	No	No	SEC1-PSALGO1	TSG	22/02/ 2000 08:00	22/12/ 2000 17:00	73%	Yes	Yes	
			Complete TSG#09 (09/2000)		? ?			ftp://ftp.3gpp.org/Information/WI_Sheet/SP-000307.pdf						
1583 33.6	WG SA3	Rel4	No	MAP application layer security	No	No	SEC1-MAPAL	TSG	22/02/ 2000 08:00	24/11/ 2000 17:00	65%	Yes	Yes	
1594 33.8	WG SA3	Rel4	No	Visibility and Configurability of security	No	No	SEC1-VCS	TSG	03/01/ 2000 08:00	05/12/ 2000 17:00	0%	Yes	Yes	
			Requirements capture, Aug , Definition of security architecture, CRs approved at TSG level, Dec		Sébastien Nguyen Ngoc, France Telecom Sebastien.nguyenngoc@francetelecom.fr			ftp://ftp.3gpp.org/Information/WI_Sheet/SP-000305.pdf						
1142 36	WG SA5	Rel4	No	Charging and OAM&P (Master)	No	Yes	OAM	MCC	01/12/ 2000 08:00	14/03/ 2002 17:00	0%	No	No	Adrian
32-series			az: WID appr.SA#10.		Albert YUHAN (VoiceStream Wireless), Michael TRUSS (Motorola) Albert.Yuhan@voicestream.com; Michael.Truss@MOTOROLA.COM			SP-000524						
1987 37.3	WG GERAN1	Rel4	No	Low chip rate TDD interworking with GERAN	No	No	GERAN-TDD	TSG	01/09/ 2000 08:00	19/01/ 2001 17:00	60%	Yes	Yes	
1939 37.4	WG GERAN2	Rel4	No	Gb over IP	No	No		TSG	01/09/ 2000 08:00	24/11/ 2000 17:00	100%	Yes	Yes	

WI ID (level ID)	WG	Rel	Split	WI Name	Mod	Mod since last TSG	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	MCC
Impacted TSs and TRs			Notes		Rapporteur details			Hyperlinks, etc.						
1940 37.5	WG GERAN2	Rel4	No	Enhance cell reselections	No	No	GERAN_Cel res	TSG	01/09/ 2000 08:00	19/01/ 2001 17:00	60%	Yes	Yes	
1954 37.7	TSG GERAN	Rel4	No	700 MHz spectrum support	No	No	GERAN-700	TSG	01/09/ 2000 08:00	08/06/ 2001 17:00	22%	Yes	Yes	
2161 37.10.2	WG GERAN2	Rel4	No	LCS for GERAN in A/Gb Mode	No	No	GERAN-LCS	TSG	02/10/ 2000 08:00	02/04/ 2001 17:00	5%	No	No	
					Margaret Livingston			GP-000918						
2062 38	WG SA5	Rel4	No	Subscription Management	No	Yes	SM	TSG	29/12/ 2000 08:00	21/06/ 2001 17:00	0%	Yes	Yes	Adrian
32.140, 22.057 (S1), 23.057 (T2), 32.101, 32.106			az: WID appr.SA#10.		Geoffrey CARYER (BT) Geoff.Caryer@BTINTERNET.COM			ftp://ftp.3gpp.org/Information/WI_Sheet/SP-000440.pdf						
2071 39	WG SA5	Rel4	No	UTRAN Operations and Maintenance procedures	No	Yes	UOAM	TSG	01/12/ 2000 08:00	21/06/ 2001 17:00	0%	Yes	No	Adrian
32.800, 32.101, 32.102, 32.104, 32.106, 32.111			az: WID appr.SA#10.		Bert Boden (Mannesmann Mobilfunk) bert.boden@d2mannesmann.de			ftp://ftp.3gpp.org/Information/WI_Sheet/SP-000440.pdf						
1993 40	Generic	Rel4	No	small Technical Enhancements and Improvements for Rel4	No	No	TEI4	TSG	03/01/ 2000 08:00	30/03/ 2001 17:00	0%	Yes	Yes	
			"Joker" WI, to be used for a Rel 4 CR not related to any feature and with very limited impact on the system											
2230 41	WG CN1	Rel4	No	Advanced Speech Call Items	No	No	ASCI	TSG	03/12/ 2000 08:00	14/03/ 2002 17:00	3%	No	No	Ban
			Approved in TSGN_10		Sonia Garapaty sonia.garapaty@nortelnetworks.com			NP-000698						