Technical Specification Group Services and System Aspects *TSGS#14(01)0002*
Meeting #14, Kyoto, Japan, 17-20 December 2001

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Source: **Secretary TSG SA (M. Pope, MCC)**

Title: **Draft Report for TSG SA meeting #14 - version 0.0.4**
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Document for: Approval

Draft Report

Contents

1 Opening of the meeting

The Chairman, Mr. Niels Peter Skov Andersen, opened the meeting and Mr. H. Nakamura welcomed delegates to Kyoto on behalf of ARIB and TTC and gave an opening speech and provided information on the domestic arrangements and social event.

2 Approval of the Agenda

TD SP-010600 Draft Agenda for TSG SA meeting #14. The draft agenda was reviewed and approved without change.

3 Approval of the meeting report of TSG-SA Meeting # 13

TD SP-010601 Draft report of TSG SA meeting #13 - (v 0.0.6 with rev marks). The draft report was approved and the Secretary updated the version to 1.0.0 which can be found on the 3GPP FTP server.

4 Items for immediate consideration

There were no contributions under this agenda item.

5 Reports from TSG SA ad-hoc meetings

TD SP-010722 Future Evolution Workshop Minutes. This was provided for information as supporting information on TD SP-010723 (see below). Nokia reported that the Hosts were not all included in the report and should be as follows: Nokia (main host), Sonera, Elisa Communications and FICORA (the Finnish regulator).

A. Sultan was asked to update the report to include this and the report was then noted.

TD SP-010723 Main Conclusions of Future Evolution Workshop. The summary of the conclusions drawn at the Future Evolution Workshop was presented by the Chairman, Mr. N. Andersen. The presentation provided an outline of the High Level conclusions from the workshop and the Service Examples developed.

Some discussion followed the presentation, and a request for the creation of a plan for working towards future generations of services to be set up within 3GPP in order to focus the work towards the future market requirements. There was much support for the requirements outlined in the presentation, and a method for 3GPP work to focus on the future requirements was requested. TSG SA agreed with the basic conclusions of the workshop as High level requirements for the way forward. TSG SA noted that a study report on the way forward would be useful, and a study item could be created in SA WG1. SA WG1 were asked to consider such a WI based on Member contribution to their meetings on this. It was also noted that some of the access technologies were already under study in SA WG1 (e.g. LAN, HIPERLAN, Bluetooth, etc.).

TSG SA noted the report and output from the Future Evolution Workshop. There was general support for the principles to be followed in the further evolution of the 3GPP system. It was noted that a more elaborate report, containing timescales, may be useful and was left for contribution by interested parties to initiate such work.

6 Letters / Reports from other groups

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

There were no contributions under this agenda item.

6.2 Partners and their bodies

There were no contributions under this agenda item.

6.3 Others

TD SP-010743 3GPP-IETF Status Report. The status report of IETF activities was presented by I. Leuca, 3GPP-IETF Rapporteur, and outlined the IETF standardization process, the 3GPP dependencies and the next steps to be taken. The 3GPP dependencies on IETF work was summarised as follows:

- Transport services (tsv)

  SIP – protocol and extension specs

  SIPPING – requirements and usage

  AVT – real time protocol (RTP, RTCP)

  ROCH – compression (UDPCOMP)

- Operations and Management (ops)

  AAA Diameter protocol

- Applications (app)

  SIMPLE – Instant messaging and presence

- Internet (int)

  IPNG – IPv6

- Routing (rtg), Security (sec), User services (usv)

The critical dependencies were outlined as:

- SIP baseline for IMS - sip-2543bis
- Reliable response - sip-100rel (or the equivalent included in 2543bis)
- Specific event notification - sip-events (ready for the last call) 6 weeks;
- Private entities to identify subscriber - sip-manyfolks (depends on 2543bis)
- Resource reservation -sip-privacy

There was some discussion on the consequences of the critical dependencies on the timing for completion of the 3GPP work. These dependencies were further elaborated in the tracking document provided by the TSG CN Chairman in TD SP-010749. Ms. Leuca was thanked for here report which was then noted.

TD SP-010749 3GPP IETF Dependencies and Priorities. This was presented by the TSG CN Chairman and shows the 3GPP dependencies on IETF drafts, with colour-coding to show criticality. The list is updated by the TSG CN Chairman as work progresses in the IETF and 3GPP. It was explained that some of the information on timescales was speculative, as some timescales are not well-defined in the IETF. A request for separation or identification of such items was made. A request was also made to identify critical areas in need of support, so that 3GPP Members can contribute in order to progress the work in a timely manner. A. Sultan, MCC also requested that a link to the 3GPP Work Plan "Unique ID" is added on items which are already in the 3GPP Work Plan, for ease of cross-reference.

TSG SA asked Members to contribute to the work of the IETF in order to resolve the critical areas. The TSG CN Chairman reported that the document had not been reviewed in 3GPP. It was suggested that relevant WGs, mainly within TSG-CN, review the document to correct the inaccuracies and keep it up-to-date.

The report was praised as being very useful and the TSG CN Chairman was thanked for this initiative.

TD SP-010742 Uplink TDOA location method in UMTS networks. This was presented by the TSG SA Chairman. It was noted that this work was in the terms of reference of TSG RAN, who had decided to postpone the study of this until

their Release 1999 and Rel-4 is finalised. The TSG RAN Chairman requested that companies help in the finalisation of current work before proposing new studies.

True Position stated that this was provided to inform TSG SA of the need to look at the available technology and considered the need for discussion of this in TSG SA. True Position considered this important as USA operators will soon need to comply with a strict accuracy requirement which may be provided by this technology.

TSG SA concurred with the position of TSG RAN to complete existing work (Release 1999 and Rel-4) and then propose a feasibility study on new work proposals. Therefore, True Position were invited to propose this to TSG RAN when the Release 1999 and Rel-4 work is completed.

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-010662 Status report of SA1 to SA #14. The report of activities of SA WG1 since TSG SA meeting #13 was presented by the SA WG1 Chairman, using the presentation slides provided in TD SP-010661. The UE functionality split WI, which was reported as for Rel-5 was questioned, as other groups need to work on this and the deadline for Rel-5 may not be possible. The SA WG1 Chairman clarified that the idea was to provide a limited version for Rel-5 and to provide the complete feature for a future Release (e.g. Rel-6).

It was commented that the Network Sharing item was to be made via e-mail discussion, but that this had not yet happened. Telia requested that they input a contribution during this meeting for discussion. The contribution was provided in TD SP-010739 (see agenda item 7.1.3).

MMS: It was clarified that no position had been agreed on in SA WG1 and no output had been approved on the e-mail approval held. It was clarified that the service requirements were usually developed independently of any implementation issues, which are resolved by other groups, who have the expertise on those issues.

DRM: SA WG1 had discussed the general requirements for Digital Rights Management (Low complexity, low cost, small memory and using existing standards), and a first draft TS had been produced.

M-Services: The lack of progress in SA WG1 was questioned. It was clarified that the work entrusted to SA WG1 was still dependent on contribution to their meetings, and this had not been forthcoming. Members were reminded that placing work into a WG does not mean that it can then be left without the companies requesting the work sending delegates and contributions to that WG.

The SA WG1 Chairman was thanked for the presentation of the report and items for approval and the report was noted.

7.1.2 Questions for advice from TSG-SA WG1

There were no contributions under this agenda item.

7.1.3 Approval of contributions from TSG-SA WG1

TD SP-010663 CRs to 02.78 on Calling Party Number can not be modified by CSE for R97 and R98. These CRs were approved.

TD SP-010670 CRs to 22.129 R99, Rel-4 and Rel-5 on Multicall handover requirements. These CRs were approved.

TD SP-010671 CRs to 21.905, 22.121 and 22.228 on Defintion of Local Services for Rel-5. These CRs were approved.

TD SP-010672 CR to 22.003 Rel-5 on Clarification of requirements for support of codecs.This CR was approved.

TD SP-010673 CR to 22.071 Rel-5 on Privacy Override Indicator. This CR was approved.

TD SP-010674 CRs to 22.078 for Rel-5 for CAMEL. 22.078 CR 125 on Removal of Volume charging for GPRS Session was discussed. These CRs were approved.

TD SP-010675 CRs to 22.127 Rel-5: OSA. ~~22.078 CR 125 on Removal of Volume charging for GPRS Session was discussed.~~ These CRs were approved.

TD SP-010676 CRs to 22.140 for Rel-5 for Multimedia Messaging Service. This CR was approved.

TD SP-010677 CRs to 22.141 for Rel-5 for Presence Service. It was noted that the cover page contained a small error for the subject of CR002. These CRs were approved.

TD SP-010678 CRs to 22.146 for Rel-5 for Multimedia Broadcast/Multicast Service. These CRs were approved.

TD SP-010684 CRs to 22.011 'Editorial improvements for R99 and Rel-4. These CRs were approved.

TD SP-010685 CRs to 22.011 R99 and Rel-4 on 'Interaction between equivalent PLMN list and periodic network selection attempts'. These CRs were approved. The TSG SA Chairman requested that when CRs are produced which change references to other sections of the document, that these sections are also included in the CR so that their content is also clear.

TD SP-010686 CRs to 22.011 R99 and Rel-4 on 'Interaction between "equivalent PLMN" list and "Forbidden PLMN" list'. It was clarified that their would be no impact on existing equipment (because there was none at present). These CRs were approved.

TD SP-010687 CRs to 22.011 R99 and Rel-4 on 'Simplification of the procedure for user PLMN reselection'. These CRs were approved.

TD SP-010688 CRs to 22.011 R99 and Rel-4 on 'Clarification on the UE behaviour when receiving a registration rejection'. These CRs were approved.

TD SP-010689 CRs to 22.011 R99 and Rel-4 on 'Clarification on the interpretation of the term "country" in 22.011'. There was some concern expressed over the introduction of this into Release 1999 and Rel-4, due to impact on existing equipment. There was some discussion over a single country having multiple Mobile Country Codes (MCCs). The CRs were **rejected** for Release 1999 and Rel-4 as they were not considered essential corrections (Category F). The changes should be reconsidered for Rel-5 and SA WG1 were asked to consider this in collaboration with other impacted groups.

TSs and TRs:

TD SP-010680 22.243 Version 1.0.0 on Distributed Speech Recognition. The SA WG1 Chairman presented the draft and outlined the remaining issues on the document. The stability was questioned, as the SA WG1 version had been 0.0.2. The SA WG1 Chairman responded that the document was based on work in ETSI STQ SWG AURORA and there was no need to change it many times. SA WG1 considered the TS stable enough for presentation for information. This TS was provided for information and was noted.

TD SP-010733 TS 22.233 v1.0.0 on Transparent End-to-End Packet-switched Streaming Service. The SA WG1 Chairman presented the draft and outlined the remaining issues on the document. This TS was provided for information and was noted.

TD SP-010679 TR 22.944 v 1.0.0 on UE Functionality Split for information. The SA WG1 Chairman presented the draft and outlined the remaining issues on the document. The fact that this is a TR and that it uses much normative text was questioned, and whether a TS would be produced based on the TR, and if so, to which Release. The SA WG1 Chairman responded that this had been briefly discussed in SA WG1 but no conclusion on the creation of a TS was reached. It was unclear in TSG SA whether this was required as a TS or a TR. It was agreed that the document did need some update to clarify its status. The LSs related to this were considered (see below, TD SP-010629). TSG SA concluded that there was a desire for the detailed work to continue, particularly with respect to the security and TE aspects.

Work Item Descriptions:

TD SP-010681 New WI on Support of Multi-modal and Multi-device browsers application by 3GPP. The WID was presented by the SA WG1 Chairman and it was noted that there were only 2 supporting companies. The e-mail discussion was questioned as it had not been clear that the WID was for debate and approval, and that the completion dates were incomplete. Due to these problems, the WI was rejected.

TD SP-010629 Liaison Statement from T WG2 on UE Functionality Split Relating to the IMS. This was presented by the SA WG1 Chairman asked TSG SA to provide clear guidance about the vision for IMS with respect to UE Split. The SA WG1 Chairman explained that the present draft was not intended to be implemented in Rel-5 due to outstanding work and the need to include adequate security aspects. TSG SA concluded that SA WG1 had looked at the requirements specified in the TR and TSG SA concurred with the conclusion that the security aspects need to be resolved before a SIP Client can run transparently on the TE. Unless this is finalised in time for Rel-5 then SA WG1 will need to clarify this in the TR. The LS was then noted.

TD SP-010682 IMS clients in UE split (Response from Nortel to the LS from T WG2 on UE-split - SP-010629). This LS was covered by the discussions under TD SP-010629 and was therefore noted.

TD SP-010683 LS on IMS identifiers and ISIM and USIM. This was presented by the SA WG2 Secretary and requests that TSG SA endorse, select dates and invite groups to a joint workshop on IMS identifiers and ISIM and USIM (including SA WG1, SA WG2, SA WG3, CN WG1, T WG2 and T WG3) to discuss:

- service requirements on ISIM-USIM and scenarios to be supported (SA1);
- security issues (SA WG3);
- UICC possibilities and limitations (T WG3);
- relations to UE functional split (T WG2);
- architectural and signalling impacts (SA WG2, CN WG1);
- etc.

The urgency of such a workshop was questioned and the response was that it is considered urgent by SA WG2 to have a common understanding of the concept and issues.

It was decided to consider other contributions on this, included in the LS, and then check whether there is still the need for a workshop, if the understanding becomes clear in these contributions. The attached presentation (ISIM_3GPP_Working_Assumptions) was then considered. After some discussion on the options presented in the slides, it was generally agreed that there is a need for some form of support for IMS access. Whether this could be supported in Rel-5 by the same operator as the provider of the basic USIM services, and whether the functionality could be provided by a third party for Rel-5 needed to be debated. It was agreed that the platform where the IMS security parameters and access functions would reside is the UICC (rather than on the terminal, etc.). It was proposed that the ISIM should be considered as a logical set of fields within the UICC in order to provide access to 3GPP Core Network, allowing IMS to be secured in the Rel-5 time frame. This would not preclude future separation of the functionality.

It was agreed that so far, "ISIM" denotes the subscription information and security functions required for IMS. It is believed that that ISIM functionality is essential for Rel-5 in order to make IMS functional. WGs with requirements for ISIM were asked to specify these urgently to T WG3. It is the preference of TSG SA that T WG3 specify a solution that does not preclude that, in future Releases, the IMS subscription could be independent from the basic subscription currently stored in the USIM.

It was concluded that the proposed workshop would not add any benefit and the proposal was rejected.

TD SP-010603 LS from SA WG1: Focus of TR 22.941. This was presented by SBC Communications and provided for the purpose of promoting common understanding, and soliciting contributions to TR 22.941, the IP Framework Report. SA WG1 reported that the most significant aspects of TR 22.941 is validation of the degree to which solutions meet key requirements for the deployment of IP Multimedia Services. SA WG1 asked TSG SA to request additional working groups to take the report into consideration as provide feedback. The SA WG2 Chairman also asked for contribution on this to SA WG2. The LS was noted and WGs were asked to consider the document and provide feedback to SA WG1.

TD SP-010628 IP Framework Report. An outline of this presentation was provided by SBC Communications. The presentation was noted. (The framework report provided in TD SP-010603 was also attached to this).

TD SP-010740 Proposed CR to 22.011: Interaction between ePLMN and manual mode. The Chairman presented the CR in the absence of the authors, One-to-One. The reason for making this a Rel-4 CR only, and not Release 1999 or Rel-5 was questioned. As these details could not be resolved, it was decided to postpone the discussion of a revised version later in the meeting. The revised CR was provided in TD SP-010757. There was some discussion over the need for automatic network selection of equivalent networks when in manual mode. These CRs (Rel-4 and Rel-5) were approved. It was noted that the affected areas on the CR cover sheets should have been "ME" instead of "(U)SIM".

TD SP-010739 Proposed WID: Service Requirements for network sharing. This was provided by One to One. The SA WG1 Chairman clarified that this subject had been discussed in their meeting, but they had not had time to complete discussions. **It was noted that the ability to implement such a feature would be subject to National regulation**. This WI description was approved. It was also noted that the linked WI references are intended to be associated with IuFlex.

TD SP-010748 Proposed CR to 22.140: Minimum set of functionality for the support of a Network Based repository (Rel-4). This was presented by Openwave Systems on behalf of the SA WG1 MMS subgroup. This CR had been endorsed by T2 (MMS) and forwarded to SA WG1 for approval, but there was not time for approval of the CR by SA WG1, so it was presented directly to TSG SA Plenary. The SA WG1 Chairman clarified that this had been seen by SA WG1, problems found, and discussed on the e-mail reflector, some updates had been made based on comments on the e-mail reflector, and it appeared that there were no further comments. There was some reservation over the WAP Forum work ongoing in this area, which could lead to incompatibility in the future. There was, however, much support for the CR. The Chairman asked whether there was enough doubt for this CR to send it back to SA WG1 for further decision from the service requirements aspects. This CR was approved. **The CR was allocated as 22.140 CR009.**

7.2 TSG-SA WG2

7.2.1 Report from TSG-SA WG2 and review of progress

TD SP-010705 TSG-SA WG2 report at TSG SA #14. The report of activities of SA WG2 since TSG SA meeting #13 was presented by the SA WG2 Chairman.

The progress on the IMS Charging activity was questioned. The SA WG2 Chairman reported that Off-line charging had been agreed in SA WG2 and On-line charging was still under discussion in SA WG2.

The SA WG2 Chairman was thanked for the presentation of the report and items for approval and the report was noted.

7.2.2 Questions for advice from TSG-SA WG2

TD SP-010683 LS on IMS identifiers and ISIM and USIM. This was dealt with under Agenda Item 7.1.3.

7.2.3 Approval of contributions from TSG-SA WG2

Approval of CRs:

TD SP-010706 CRs on 03.60 and 23.060. These CRs were approved.

TD SP-010707 CRs on LCS (03.71, 23.171 and 23.271). These CRs were approved.

TD SP-010708 CRs on 23.002. These CRs were approved.

TD SP-010709 The cover sheet for CR071r2 contained an error, and showed 071r1. It was clarified that this was an error in the CR cover sheet, which had not been changed between update from rev1 to rev2. CRs on 23.107. It was stated that CRs 70r1, 71r2 and 72r1 were not necessary and the changes in 9.1.2.3 seemed to be ambiguous. It was decided to postpone these CRs (i.e. CRs 70r1, 71r2 and 72r1) for further elaboration and clarification in SA WG2. CRs 073, 074, 075, 079r2, 080r2 and 081r2 were approved.

TD SP-010710 CR on 23.127. This CR was approved.

TD SP-010711 CRs on 23.207. These CRs were approved.

TD SP-010712 CRs on 23.221. These CRs were approved.

TD SP-010713 CR on 23.226. It was noted that this document contained other CRs in error, and only the first CR, CR001 to TS 23.226 was intended for approval. TS 23.226, CR001 was approved.

TD SP-010714 CRs on 23.228. CRs 068, 071and 088 were withdrawn, as they modified text deleted by CR109. The general consistency of the CRs was in doubt, and the approval of these was postponed for checking by the SA WG2 Secretary and Chairman. It was noted that this problem could be resolved by withdrawing CRs 071, 088 and 068. With this the CRs ~~was~~ were approved.

TD SP-010715 CRs on 23.236. These CRs were approved.

TD SP-010716 CR on 23.875. This CR was approved.

TSs and TRs:

TD SP-010717 TR 23.871 on Enhanced support for User Privacy in location services for information. The comments received during the e-mail approval were questioned, as they had not been included in the TR presented here. It was therefore noted that the TR would be likely to be updated with these comments and others before presentation to TSG SA for approval. The first part of the TR describes the corresponding stage 1 type of service requirements and may be moved to the LCS Stage 1 specification TS 22.071. **TSG SA asked SA WG1** to consider this document, for the stage 1 aspects. This TR was provided for information and was noted.

TD SP-010718 TR 23.815 on Charging implication of IMS architecture (Release 5). It was noted that the IMS Off-line Charging had been handed over to SA WG5, and the On-line Charging was still under discussion in SA WG2. SA WG2 were asked to forward this TR to SA WG1 to review and check the alignment with stage 1 requirements. It was noted that the IETF Stage 3 needed checking for alignment. This TR was provided for information and was noted.

WI descriptions:

TD SP-010721 Proposed Work Item for Unequal Error Protection for PS conversational multimedia services. This WI description was approved.

TD SP-010719 Proposed Work Item for Release 6: Policy control enhancements for end-to-end QoS. TSG SA noted that there was a significant amount of work needed to be done in other WGs, and a timescale of TSG#17 would be more realistic. Nortel Networks volunteered for the Rapporteurship of this WI. A request to improve the title to better reflect that it is a feasibility study. This was agreed. This WI description was approved. SA WG2 were asked to update the WID as agreed here and submit a revision for approval at the next TSG SA meeting.

TD SP-010720 Proposed updates to the LCS Rel-5. A request not to include the individual National regulator for the reasons for requirements was made. It was agreed that in future, the explicit mentioning of the regulator should be avoided in WI Descriptions. This revised WI description was approved.
SA WG2 were asked to ensure the latest WI Description sheet is used for future updates of WI Descriptions.

7.3 TSG-SA WG3

7.3.1 Report from TSG-SA WG3 and review of progress

TD SP-010750 Report of SA WG3 activities since SA#13. The report of activities of SA WG3 since TSG SA meeting #13 was presented by the SA WG3 Secretary. The report was noted.

TD SP-010606 Reports of SA WG3 meetings held since SA#13. These reports were provided for information and were noted.

The SA WG3 Secretary was thanked for the presentation of the report and items for approval and the report was noted.

7.3.2 Questions for advice from TSG-SA WG3

TD SP-010604 LS from SA WG3: Security and privacy requirements of presence. This LS was presented by the SA WG3 Secretary. It was copied to TSG SA for information and was noted.

7.3.3 Approval of contributions from TSG-SA WG3

TD SP-010607 2 CRs to 21.133: Definition of UICC (Rel-99 and Rel-4). These CRs replace the definition of UICC to a reference to the 3GPP Vocabulary document 21.905. The change for UICC of "UMTS" to "Universal" in the abbreviations was questioned, because this term is also included in 21.905, and could be deleted from the abbreviations list. It was pointed out that many abbreviations in many 3GPP documents contain abbreviations which appear in TR 21.905 and this would imply that many specs are modified in this way. These CRs were approved.

TD SP-010608 2 CRs to 33.102: Annex F.2 (changing list parameters) modification (Rel-99 and Rel-4). These CRs were approved.

TD SP-010609 2 CRs to 33.102: Sequence Number Management Corrections (Rel-99 and Rel-4). These CRs were approved.

TD SP-010610 2 CRs to 33.102: SQNMS retrieval in AuC during resynchronisation (Rel-99 and Rel-4). These CRs were approved.

TD SP-010611 1 CR to 33.102: Configurability of cipher use (Rel-5 only). There was a request to postpone this CR until the affected WGs had a chance to evaluate the impact of the proposed mechanism. The use of the "accept unciphered connections" switch, being set of "do not accept" on delivery from the Manufacture was questioned, as this could have an impact on subscribers of unciphered networks. It was decided to postpone decision on this CR to off-line discussion and to return to the document later in the meeting. A revised CR was proposed by Vodafone and provided in TD SP-010760. There was a question about the suitability for automatic calling devices, and whether all UEs will need to use AT commands. There was also a request for this to be discussed in SA WG3. This proposal received strong support. **It was decided that TSG SA would note this revised CR and that it be sent back to SA WG3 for discussion and approval. SA WG1 were also asked to look into the service requirements for the user interface.**

TD SP-010612 2 CRs to 33.107: Start of secondary interception of an active PDP context (Rel-4, Rel-5). This CR was approved.

TD SP-010613 1 CR to 33.107: Alignment of TS 33.107 for Release 5 Network Architecture (Rel-5 only). This CR was approved.

TD SP-010614 3 CRs to 33.107: Correct the MO-SMS and MT-SMS events (Rel-99, Rel-4, Rel-5). These CRs were approved.

TD SP-010615 2 CRs to 33.107: Source of PDP context initiation (Rel-4, Rel-5). These CRs were approved.

TD SP-010616 1 CR to 33.200: MEA encryption algorithm update (Rel-4). This CR was approved.

TD SP-010618 2 CRs to 33.200: MAPsec SA related (Rel-4). These CRs were approved.

TD SP-010619 1 CR to 33.200: Removing the Sending PLMN-Id from Security Header (Rel-4). This CR was approved.

TD SP-010620 2 CRs to 35.201: Correct the maximum input message length for f8 and f9 (Rel-99 and Rel-4). These CRs were approved.

TD SP-010727 2 CRs to 33.200: Related to Protection Profiles (Rel-4). These CRs were approved.

TD SP-010728 1 CR to 33.200: Use of 'Original component identifier' during MAPsec processing (Rel-4). This CR was approved.

TD SP-010729 1 CR to 33.200: Policy configuration clarification (Rel-4). This CR was approved.

WI descriptions:

TD SP-010621 Revised Work Item Description (revision of SP-000309) "Lawful Interception in the 3GPP Rel-4 architecture". The use of Rel-4 in the text for this update to include the Rel-5 IMS architecture interception requirements was questioned. It was also noted that TS 33.108 was scheduled for presentation to this meeting for information, but was not available. It was decided to postpone the approval of this to see if more information can be obtained during the meeting and the WID updated. **It was not possible to do this during the meeting and so the WID was returned to SA WG3-LI group for clarification**.

There was a request that the SA WG3 Secretary should provide support the SA WG3 LI group at their meetings. The SA WG3 Secretary responded that he would endeavour to support the LI group whenever possible, taking into account the normal prioritisation of the MCC support work.

TD SP-010622 New WI description: Support for subscriber certificates. It was asked how SA WG3 view the relationship between different aspects of application related security, such as the proposed subscriber certificates, MExE, DRM, and GUP, as well as external specifications, since a co-ordination of the requirements to minimize the implementation cost and complexity in the UE would seem necessary. This WI description was approved and SA WG1 were requested to look into the interaction between different security mechanisms for DRM, GUP, MExE etc. and provide information to SA WG3. SA WG3 were requested to provide a revised WID to next meeting based on SA WG1 comments.

TSs and TRs:

TD SP-010623 Draft TS 33.210 v 1.0.0: Network Domain Security; IP network layer security (Release 5). This TS was provided for information and was noted.

TD SP-010624 Draft TS 33.203 v 1.0.0: Access Security for IP-based Services (Release 5). This TS was provided for information. The draft TS was presented by the SA WG3 Secretary and was noted. TSG SA asked SA WG3 to take the discussions related to ISIM into account (see Agenda Item 7.1.3) when completing the specification, especially to ensure that the wording does not imply specific implementation of the support of the ISIM functionality on the UICC. SA WG1 were also asked to consider the requirements for access network independence.

TD SP-010625 Draft Proposed Content of TS 33.200 Release 5: MAP Security. This was provided for information to the WGs to show the content of Rel-5 MAP Security requirements and was noted. **The SA WG3 Secretary was asked to ensure that separate CRs, produced to the latest Rel-4 version are presented to TSG SA meeting#15 for approval**.

7.4 TSG-SA WG4

7.4.1 Report from TSG-SA WG4 and review of progress

TD SP-010691 TSG S4 Status Report at TSG-SA#14. The report of activities of SA WG4 since TSG SA meeting #13 was presented by the SA WG4 Chairman.

~~EMS: A request not to delay other AMR work by the inclusion of EMS was made.~~T WG2 had asked SA WG4 to take over the MMS codec work to help alignment with codecs used in streaming. EMS codec work had not been included in the transfer in order not to delay the EMS work which is already at a final stage.

Extended Transparent End-to-End PS Streaming Service: There was a ~~request that there not be a large number of~~ question whether other 3GPP work on Terminal Capability~~ies to~~ Exchange would be taken into account. It was clarified that a certain number of capabilities would be needed to cope with the differing situations (streaming - streaming, streaming - WAP server, etc.). The SA WG1 Chairman asked that delegates keep in mind that there are many methods available, and that SA WG4 take these methods into account in the ~~AMR~~ PSS-E work.

Matters for guidance:

(Slide 13) The same AMR-WB codec is to be standardised in both 3GPP and ITU-T, and care should be taken in keeping the specifications fully aligned in both standardisation fora. (Some formal procedure could be beneficial to establish in order to avoid any misalignment in 3GPP and ITU-T.)

3GPP delegates were asked to check the alignment with the ITU-T work.

(Slide 16) The Rel-5 PSS-E work is based on Rel-4 streaming and Rel-5 streaming will provide full backward compatibility with Rel-4 streaming. Only capability exchange will be included as a completely new functionality in Rel-5. Therefore, the architectural impacts in Rel-5 remain limited like in Rel-4. SA4 intends not to produce a separate TS for Stage 2 for PSS-E, but plans to continue including the architectural considerations in the two 26-series TSs as was done for Rel-4.

This was covered in discussions and the intention was noted.

(Slide 17) SA4 feels that it would be useful to prepare a new TR on RTP usage model for Rel-5 PSS-E since the IETF defined Real-Time Protocol is only a general description of the functionality. SA4 would like start drafting such a TR and also provisionally take prime responsibility of preparing it in co-operation with all relevant WGs - especially with SA2.

This was covered in discussions and the intention was noted.

The SA WG4 Chairman and Secretary were thanked for the presentation of the report and items for approval and the report was noted.

7.4.2 Questions for advice from TSG-SA WG4

There were no contributions under this agenda item.

7.4.3 Approval of contributions from TSG-SA WG4

Approval of CRs:

TD SP-010696 CRs to TS 06.73 and TS 26.073 on Correction of RX-DTX handling of NO_DATA frames in AMR decoder (R98, R99, Release 4). These CRs were approved.

TD SP-010697 CRs to TS 06.73 and TS 26.073 on Correction in AMR decoder to avoid division by zero in RX- DTX handling (R98, R99, Release 4). These CRs were approved.

TD SP-010698 CRs to TS 26.103 on Inclusion of codec type UMTS AMR_2 in R99 codec list (R99), and Removal of AMR-WB codec type (Release 4). These CRs were approved.

TD SP-010699 CRs to TS 26.173 on "Incorrect mode usage during DTX" and "Correction of homing function for 23.85 kbit/s mode"(Release 5). These CRs were approved.

TD SP-010700 CRs to TS 26.174 on "Update of AMR-WB test sequences" (Release 5). These CRs corresponded to the CRs in TD SP-010699 (test sequences) and were approved.

TD SP-010701 CRs to TS 26.190 on "Inconsistency between TS 26.190 and TS 26.173" (Release 5). These CRs were approved.

TD SP-010702 CR to TS 26.233 "Transparent end-to-end packet switched streaming service; General description" on Correction of RTSP TEARDOWN protocol flow in Figure 1 (Release 4). This CR was approved.

TD SP-010703 CRs to TS 26.234 "Transparent end-to-end packet switched streaming services (PSS); Protocols and codecs": Corrections and "Implementation guidelines for RTSP and RTP" (Release 4). These CRs were approved.

TD SP-010704 CRs to TS 28.062 Corrections to "In-band Tandem Free Operation (TFO) of Speech Codecs; Stage 3 - Service Description" (Release 4). These CRs were approved.

TSs and TRs:

TD SP-010692 3GPP Draft TR 26.976 AMR-WB Speech Codec Performance Characterization version 0.6" (Release 5). This TR was provided for information and was noted. It was also noted that with this document, the laboratoriesy could receive the funds for their work (the work done by the contracted listening laboratories in AMR-WB Characterisation Phase 1B was approved, and the laboratories could receive the funds for their work).

TD SP-010693 3GPP Draft TS 26.204 version 1.0.0 “ANSI-C code for the floating-point AMR wideband speech codec" (Release 5). This TS was provided for information and was noted.

TD SP-010694 3GPP Draft TS 26.236 version 1.0.0 Updated Transport Protocol specification for PS Conversational Multimedia (v. 1.0.0) (Release 5). It was noted that the UE split decisions would need to be verified in this document to ensure they are aligned. This TS was provided for information and was noted.

TD SP-010695 3GPP Draft TS 26.140 version 1.0.0 “TSG-SA4 PSM SWG internal working Draft Multimedia Messaging Service (MMS) Media formats and codecs (Release 5). This TS was provided for information and was noted.

TD SP-010741 Consistency of Releases: Removal of AMR WB (Rel-5) References in Rel-4. This was presented by Siemens and requested the removal of references to AMR WB in TS 26.234 V4.1.0 following the decision of TSG SA#11, to remove Wideband AMR specification from Rel-4, in order to ensure a consistent Rel-4. TSG SA noted the inconsistency and **asked SA WG4** to come back at the next TSG SA meeting with a proposal for resolution of the problem.

7.5 TSG-SA WG5

7.5.1 Report from TSG-SA WG5 and review of progress

TD SP-010630 Status report from SA WG5 to SA#14. The report of activities of SA WG5 since TSG SA meeting #13 was presented by the SA WG5 Chairman.

TSG SA requested SA WG5 to determine the time it would take to complete both On-Line and Off-Line IMS Charging and to return to TSG SA meeting#15 for decision on whether this can be completed for inclusion in Rel-5. (SA WG2 are currently working on this and will provide the results to SA WG5 as soon as it is ready).

The SA WG54 Chairman was thanked for the presentation of the report and items for approval and the report was noted.

The SA WG5 Chairman announced that he ~~would not be to continue in his Chairmanship of SA WG5, due to moving away from~~ was leaving his present organisation, VoiceStream Wireless, and that his future involvement in SA WG5 was unclear at present. He wished 3GPP and SA WG5 success in their future work.

7.5.2 Questions for advice from TSG-SA WG5

There were no contributions under this agenda item.

7.5.3 Approval of contributions from TSG-SA WG5

CRs for approval:

TD SP-010632 R99 CR32.015 Charging (S5-010644). This CR was approved.

TD SP-010633 R99 CR32.015, Rel-4 CR32.215 Charging (S5-010643, S5-010642), (S5-010741, S5-010742). It was noted that TS 32.215 CR002 incorporated the change in the Release 1999 document (32.015 CR034), as the change had not been included in the original Release 1999 version. These CRs were approved.

TD SP-010634 Rel-4 CR 32.215 Charging (S5-010743). This CR was approved.

TD SP-010635 R99 CR 32.106-4, R99 CR 32.111-4 (S5-000763, S5-000764). These CRs were approved.

TD SP-010636 R99 CR 32.106-7 (S5-010767). This CR was approved.

TD SP-010637 R99 CR 32.111-3 (S5-010765). This CR was approved.

TD SP-010638 R99 CR 32.104, Rel-4 CR 32.401 (S5-010745, S5-010746). These CRs were approved.

TD SP-010639 Rel-4 CR 32.111-2 (S5-010674, S5-010675). These CRs were approved. A request was made that the document list for CRs include the meaningful titles / subjects of the CRs.

TD SP-010640 Rel-4 CR 32.111-4 (S5-010677, S5-010775) These CRs were approved.

TD SP-010641 Rel-4 CR 32.300 (S5-010663). This CR was approved.

TD SP-010642 Rel-4 CR 32.302 (S5-000774). This CR was approved.

TD SP-010643 Rel-4 CR 32.604 (S5-010664). This CR was approved.

TD SP-010644 Rel-4 CR 32.613 (S5-010668, S5-010669). These CRs were approved.

TD SP-010645 Rel-4 CR 32.615 (S5-010766). This CR was approved.

TD SP-010646 Rel-4 CR 32.623 , Rel-4 CR 32.643, Rel-4 CR 32.653 (S5-010761, S5-010779, S5-010762). These CRs were approved.

TD SP-010647 Rel-4 CR 32.623 (S5-010768). This CR was approved.

TD SP-010648 Rel-4 CR 32.624 (S5-010778). This CR was approved.

TD SP-010649 Rel-4 CR 32.632 (S5-010672). This CR was approved.

TD SP-010650 Rel-4 CR 32.652 (S5-010652). This CR was approved.

TD SP-010651 Rel-4 CR 32.653 (S5-010671). This CR was approved.

TD SP-010653 Rel-5 CR 32.304, Rel-5 CR 32.302 (S5-010772, S5-010773). This CR was approved. **(These CRs create Rel-5 versions of TS 32.302 and TS 32.304).**

TSs and TRs:

TD SP-010652 Rel-5 draft TR 32.802 v100 in co-operation with T2 on "User Equipment Management (UEM) feasibility study". It was noted that an analysis of the open issues in the conclusions should be included in the final version of the TR. **The SA WG5 Chairman asked for support from Member companies in contributing to their work on this and other requests to SA WG5 made at TSG SA.** This TS was provided for information and was noted.

Work Item Descriptions:

TD SP-010631 2 Rel-5 BB-level WI Descriptions for Charging Management and Performance Management under OAM&P Feature. Ericsson commented that this should be a stand alone Feature or Building Block and that the trace management document TS 32.108 (produced in 1996) should be reviewed to ensure it contains the requirements for 3GPP Trace, as this was based on GSM Trace requirements (GSM TS 12.08). It was therefore proposed that the WI Description is rejected and SA WG5 are asked to reconsider it. The SA WG5 Chairman responded that much study and discussion had occurred on this and the WI description had been agreed in the last SA WG5 meeting, and no objections had been raised. It was agreed that Trace Management should be a separate Work Item, and SA WG5 were asked to produce this and present this to TSG SA when it is ready (see TD SP-010758 below). The proposal for a revision to Performance Management WI (S5-010744 attachment) was rejected. The proposed WI on Charging Management (S5-010747 attachment) was not acceptable, as both On-line and Off-line Charging was requested from SA WG5. This WI was revised to include On-line Charging and provided in TD SP-010654 which was approved.

TD SP-010758 WID on Trace Management. This was presented by Nokia provides a WID for Trace Management (see discussion of TD SP-010631). It was clarified that this should include Trace into IMS, as this adds what is missing from GSM TS 12.08. The impacts on work on relevant (UT)RAN, GERAN and CN aspects was not shown in the WID. This WI description was approved and SA WG5 were asked to revise this to include the impacts on Relevant (UT)RAN, GERAN and CN aspects, for presentation to TAG SA meeting#15.

7.6 3GPP Work plan

TD SP-010745 MCC review of the Work Plan. This was presented by MCC (A. Sultan) and provided the review of the Work Plan by the MCC support team.

Slide 14: It was noted that the Study Item "Improved Common DL Channel for Cell-FACH State" had been stopped in TSG RAN#14.

Slide 19: It was noted that the stage 2 offline charging but online charging may be postponed to Rel-6.

Slide 36: It was noted that Wide Area Data Synchronisation WI was approved and that it was the content of the text which may be merged into the Generic User Profile Work.

Slide 50: Testing of ROHC: It was confirmed that ROHC is Rel-4.

Slide 52: UE Functionality Split. It was noted that this was included in Rel-5, with a consideration of enhancing this in future Releases.

Slide 23: The TSG CN Chairman confirmed that the Sh interface is not likely in the March 2002 time frame. It was agreed that this would be decided at the March meeting

Slide 56: The LS from ETSI BRAN had not been received at this meeting. (Note that an LS had been received at SA#13).

Slide 21: It was clarified that the Stage 3 MM1 interface will not be defined by 3GPP. It was also noted that SA WG1 had started work on Priority Service.

Slide 26: VHE enhancements: It was confirmed that this can be removed from Rel-5.

Slide 28: VHE/OSA: The reaction to the proposed change of the Scope of OSA will be determined at SA#15.

Slide 32: Deletion of Charging notification to the CSE was confirmed.

Slide 35: Activities on WB-AMR. It was confirmed that there is no more requirements work needed for this.

Slide 40: FIGS: TSG SA asked SA WG3 to consider deletion of this WI as there is no progress.

Slide 52: Display of Service Provider Name on UE. The requirement remains in Rel-5 and contribution invited to the work. Status to be checked at SA#15.

Slide 53: Push Services: It seemed unlikely that this can be completed for Rel-5, urgent contribution is invited if this work is to be completed in time. Status to be checked at SA#15.

Slide 54: MBMS: To be confirmed at TSGs#15.

Slide 57: It was noted that this information required update from the RAN Work Plan updates.

Slide 37: It was clarified that for the Le interface, the Stage 2 is under responsibility of SA WG2, Stage 3 under responsibility of CN WGx.

IMS: It was agreed that Release 5 freezing date will stay as the March 2002 TSGs #15 meetings. OAM and testing is given an extension on this date due to the need for stable Core Specifications before this work can be completed.

A. Sultan agreed to update the presentation slides with the clarifications and corrections that were agreed and provide after the meeting. This was allocated to TD SP-010763.

TD SP-010627 Work Plan version Dec.12th. It was noted that these slides did not contain the latest information from this meeting. The slides were noted for information.

7.7 Review of TSG-SA work programme

This was covered under other agenda items.

7.8 Letters to other groups

This was covered under other agenda items.

7.9 Other issues

There were no contributions under this agenda item.

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

8.1 TSG-CN

8.1.1 Report and questions for discussion from TSG-CN

TD SP-010737 Report from TSG CN to TSG SA #14. The TSG CN Chairman provided the draft report from TSG CN Meeting #14 to TSG SA using a summary of issues in presentation slides provided in TD SP-010738. It was reported that TSG CN have a new Vice-Chairman: Musa Unmehopa, Lucent Technologies.

Release 97, 98, 99 Status

- Cleanup of Equivalent PLMN List and Reject Cause Code Handling
- Several contentious issues resolved
  - Compromise Solution worked out for Multicall Handover
  - Handling of CAMEL 2 & 3 for Non-Supported AoC
  - SMS Reference Number optional for CAMEL 3
- Shared Interworking Function now removed
- High volume of CAMEL 3 correctionsRelease 4 Status
- Still waiting on correction of references to withdraw 04.08
- High number of corrections to BICSCNRelease 5 Status
- Non-IMS Work Items in good shape for Mar. 02
  - AMR-WB

Need coordination with SA3 LI (Legal Intercept)

- Service Change and UDI Fallback
- Connection of RAN nodes to multiple CN nodes (IuFlex)
- CAMEL 4 (non-IMS part)

- IMS Work Items at high risk for slippage past Mar. 02IMS Status by Work Item

IMS Call Control

Very high risk: Not ready by March 2002 Sh I/f (SIP Application Server <-> HSS)

Impossible to be ready by March 2002

IMS Support in CAMEL 4

Impossible to be ready by March 2002

IMS-CS Interworking

ITU-T specs probably not ready in time

IMS-PS Interworking

Very high risk: Not ready by March 2002

Go (QoS Policy Control)

Very high risk: Not ready by March 2002

Cx (CSCF-HSS I/f)

Very high risk: Not ready by March 2002

OSA Enhancements for multimedia

Currently focusing on OSA <-> “Basic SIP” mapping

Delta planned for OSA <-> ISC mapping

Included in 29.998-4 (Call Control Mapping)

Also includes XML support

Ze - SA WG3 informed - requirements very late and could not specify in time

Information for SA Attention

SA3 Request for Ze (MAP Key mgmt) I/f protocol

Needs joint meetings with SA WG3

Not ready by March 02

Liaison sent from TSG CN to SA WG3 (SP-010730)

The lateness of the Ze interface was reported as being due to the late delivery of the SA WG3 requirements to CN WG4.

The LS to SA WG3, contained in TD SP-010730 was presented. TSG CN inform SA WG3 of their difficulty in completing the Ze i/f for Rel-5. TSG SA agreed that it would be included in the appropriate Release when it is complete. TSG SA also believe that, based on the information from TSG CN on progress, this was most likely to be delayed until Rel-6.

IMS Framework SupportCN1 not currently able to provide verification input due to high load

Informal meeting held after CN plenary to discuss feedback needed

CN ultimately responsible for protocol enablers

This was noted.

CN participation in UE split discussions

Primary CN involvement from CN1

Seems primarily to be an SA1/SA2/SA3/T3 discussion

CN1 can provide protocol evaluation after requirements/architecture discussions evolve

This was covered by UE split discussions during the SA WG reports.

CN participation in ISIM discussions

Primary CN involvement from CN1

Seems primarily to be an SA1/SA2/SA3/T3 discussion

CN1 can provide expertise only if meeting collocated with CN1 meetings

This was covered by ISIM discussions during the SA meeting.

Reduction of CAMEL 4 Scope

Deletion proposed due to lack of progress. SA WG1 asked to confirm: TD SP-010731.

The LS to SA WG1 was presented and informed SA WG1 of recommending the removal of the CAMEL Phase 4 functions from Rel-5. This was noted by TSG SA.

New CN WIDs approved

Iu-Flex

Presence (Rel-6 ?)

These WIs had been discussed in WG presentations and was noted.

3GPP/3GPP2 CN Harmonization

Scope not clarified by OHG workshop request. Scope provided in TD SP-010751.

TD SP-010751 was presented and discussed. There was some comment on the effectiveness of the Workshop. TSG SA believed that such workshops should be planned to discuss future developments, far enough in the future to allow the impacted Projects to complete their work in a timely manner. It was agreed to produce a reply to the OHG proposing the scope of the Workshop. This was provided in TD SP-010762 (see agenda item 8.1.2).

Winter Cleaning (option reduction)

No activity in CN. Other groups also to be involved.

This was noted.

M3UA/SUA

M3UA Only in Rel-5

No Wis on alternate solutions planned

SUA Feasibility Study (TR 29.903) approved

The selection of M3UA only in Rel-5 was noted.

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

TD SP-010761 Report for Adhoc Meeting on OHG proposed "3GPP/3GPP2 Joint Workshop on IP Core Network Harmonization". This was presented by the drafting group Chairman (Mr. H. Nakamura, TSG SA Vice Chairman). It was suggested that the work requires a vision before the workshop is set up and some discussion ensued. It was decided to discuss these issues with the proposed Correspondence document TD SP-010762 (revised to TD SP-010764). The report of the meeting was then noted.

TD SP-010762 OHG Correspondence of "3GPP/3GPP2 Joint Workshop on IP Core Network Harmonization". This was presented by the drafting group Chairman (Mr. H. Nakamura, TSG SA Vice Chairman).

It was suggested that the mention of S. Hayes as TSG CN Chairman could lead readers to think that this workshop is restricted to Core Network only. It was agreed to update this to "3GPP Official" instead to avoid this potential problem. Some other modifications were made and Steve Dennet, 3GPP2 Steering Committee added as CC:. The document was updated in TD SP-010764 which was approved. It was noted that the proposed dates for the Workshop was March 26 - 27.~~**<Check if alternative dates >**~~ This should be checked by potential attendees and problems reported to the TSG CN Chairman.

8.1.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item.

8.2 Report from TSG-RAN

8.2.1 Report and questions for discussion from TSG-RAN

TD SP-010747 Report from TSG RAN to TSG SA #14. The TSG RAN Chairman presented his report of progress at TSG RAN meeting #14.

Release 1999 and Rel-4: A Debate took place on review of Release 1999:

- No agreement reached but contributions can be discussed in WGs when provided.
- UE testing (two levels) issue was also debated.
- Proposal to create two TRs on error discovery agreed. It was agreed that Isolated Impact analysis shall be more elaborated for each of the CRs. If this was felt not properly done then CRs will be rejected.

  Completing UE positioning was agreed to be of high priority and hence proposals for work on new methods were rejected pending completion of the work at the Working group level

Rel-5 and Rel-6: Work on Release 5 is continuing:

- It is foreseen that HSDPA will be finalized in due time (March 02) for inclusion in the Release 5 and also inclusion in the ITU-R M.1457 update;
- IP Transport in the UTRAN: main problem was solved without votes at this meeting. The choice between M3UA and SUA has been made in favour of M3UA noting that SUA evolution will be reviewed in the time line of Release 6;
- UMTS 1800 and 1900 are now finalized;
- One workshop with 3GPP2 was held in New Brunswick (New Jersey, USA) to study possible harmonisation on HSDPA together with 1 EX EV DO and 1 EX EV DV. Due to the level of completion of these items it was felt difficult to re-open the issue. However for future work it was agreed to work together on:
  - Channel Model definition;
  - Traffic models;
  - Definition of harmonised requirement for UE when defining new functionality;
  - Further details were provided in Annex 1 of the presentation.

- For this purpose it was agreed to have co-ordination at the leaders level before establishing official liaison while increasing the knowledge on the way of working from each other. A review meeting will take place on the 28th of June 2002 between TSG RAN, RAN WG1, RAN WG2, RAN WG4 and 3GPP2 TSG C.

- Careful review of work items took place resulting in the split of some of them in the UE part and Network part allowing faster introduction of the part dealing in the UE and then completing the network part when more complex at a later stage.

- New Work agreed at TSG RAN #14:

  Work/Study Items: WI: "Improvement of RRM across RNS and RNS/BSS" (RP-010947) RAN WG3, for TSG RAN #18.
  WI: "Beamforming enhancements" (RP-010953) RAN WG1, for TSG RAN #16.
  WI: "Beamforming requirements for UE" (RP-010950) RAN WG1; for TSG RAN #14 and finished.
  WI: "Support of Site Selection Diversity Transmission in UTRAN" (RP-010951) RAN WG1; for TSG RAN #16.
  SI: "Improvement of inter-frequency and inter-system measurement for 1.28 Mcps TDD" (RP-010929) RAN WG4, for TSG RAN #15.
  Confirmation of WI: "Enhancement of Broadcast and Introduction of Multicast Capabilities in RAN" (RP-010812) based on input received from SA WG1 and SA WG2 RAN WG2; for TSG RAN #17.

  Several WI were proposed to improve LCS. Due to difficulties in completing the current work on this issue it was felt preferable to complete the current work before accepting any new work

- All other work items have been reviewed and completion dates were updated when necessary. New dates will be provided in the new version of the Work plan

- A WI sheet was presented in terms of feasibility study for new modulation technique (OFDM). This was done in advance in order to allow discussion at the PCG to review the scope of the 3GPP project.

Other issues: LS to ITU-T on AAL2 Signalling (RP-010890) for endorsement; LS to SA WG2 for handling changes due to GERAN Iu mode (RP-010891) which are requesting new specific messages ~~is~~ be provided for information. This is to ensure that the answer be provided in a timely manner so that it can be taken into account during the next RAN WG3 meeting. The meetings are unfortunately taking place at the same date but one in Orlando while the other one is in Phoenix.

Annex 1:

Output Statement of the 3GPP/3GPP2 Harmonization Meeting, 13-14 November 2001:

During the period of 13-14 November 2001, representatives of 3GPP and 3GPP2 met at the East Brunswick Hilton hotel to consider issues and options associated with harmonization of HSDPA and 1xEV-DV. The entire first day of this meeting was spent exchanging information on status and technical design of the two (2) technologies. During the second day, the following concepts were developed, by consensus of the group, to propose to each organization as a feasible and recommended strategy for approaching the issue of harmonization.

Areas of harmonization that could be pursued include the following:

- Common user and system services

- Common spectrum allocation (being addressed by WRC)

- Common core network (All IP - also addressed in other fora)

- Common hardware design requirements for new features for the Access Terminal/User Equipment

The group agreed that the expertise of 3GPP and 3GPP2 could be best utilised by focusing on harmonisation of hardware design requirements for new features for the Access Terminal/User Equipment. The benefits expected to be achieved by this activity are summarised as follows:

- Terminals would have more commonality in their hardware platform for both technologies.

- Economies of scale could be maximised by the use of common components wherever possible

The group stressed that these are long-term goals and must not impact any current activities (e.g., the release of current standards to meet ITU-R WP 8F timelines). In addition, there was a suggestion that, based on the fact that the two (2)

groups have different processes and procedures in place, working together is an effort that should start with small, achievable objectives that will build over time as the working relationship gets stronger.

RECOMMENDATIONS FROM THE MEETING:

- Following the above considerations, it is therefore proposed that the first issues to be considered shall be the following:
  - Common definition for channel models (e.g., spatial propagation)
  - Common definition for traffic models
  - Common physical requirements for terminal design particularly for future development (e.g., MIMO (multiple input multiple output) antenna technology).

In order to smoothly introduce the common work, the following process is proposed:

- An exploder shall be established for the 3GPP TSG RAN and 3GPP2 TSG-C Leaders to provide a means to exchange information on work programs between the two TSGs. As far as possible, reporting from both sides on the progress of the work shall be established. The long-term goal of this activity is to appoint rapporteurs in both directions.

A first meeting between the relevant working groups will be scheduled at the beginning of 2002 to develop the common models.

- In addition, a follow up meeting of 3GPP TSG RAN and 3GPP2 TSG-C representatives is scheduled to review the progress of the work. A tentative date for this meeting has been set for 28 June 2002 in Italy. The meeting will be hosted by 3GPP.

IMEI issues:

The IMEI numbering range was discussed. It was reported that this had been investigated recently after it was suggested that the numbering range would soon be exhausted. Studies are being carried out by the GSMA and 3GPP/3GPP2 have been asked not to take any action on IMEI ranges and allocation issues until they have finalised their studies. 14+2 Hex digits transparently transported are currently allocated for IMEI and modification of the 3GPP standards, if found to be necessary, will not be done until the results of the studies are made known. It was noted that this needs to be introduced in a compatible way between the different systems, and the ITU is the forum for this harmonised approach.

Attachment to Report, RP-010891: Response about proposed changes to 25.413 R5 for GERAN Iu mode LCS. This was presented briefly by the TSG RAN Chairman for information and was noted.

Attachment to Report, RP-010890: Response to Liaison Statement on AAL Type 2 Resource Management. The TSG RAN Chairman introduced the LS and asked TSG SA to endorse this as being sourced 3GPP. It was noted that normally TSG CN should have been given the document for endorsement, as they have responsibility for the ITU-T liaison, but it had been produced too late in the TSG RAN meeting for this. There was no objection to this being sent, and so it was endorsed. (PCG to approve for transmission).

TD SP-010735 LS on Updating procedure of RAB definitions in TS 34.108. This was presented by the TSG RAN Chairman for information and was noted.

It was noted that TD SP-010690 was equivalent to TD SP-010735 and so TD SP-010690 was withdrawn.

TD SP-010736 LS from TSG RAN on MBMS. This was introduced by the TSG RAN Chairman for information. TSG SA noted this liaison. It was also noted that the TSG RAN Chairman was trying to find a suitable date for the ad-hoc drafting meeting when sufficient experts are available. Delegates were encouraged to send suitable experts to speed up the work.

TD SP-010602 WID: AMR-WB Speech Service – Core Network Aspects. This was presented by the TSG RAN Chairman, and was provided for information and noted.

The TSG RAN Chairman and Secretary were thanked for the Report which was then noted.

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

There were no contributions under this agenda item.

8.2.3 Information on status and changes to deliverables

There were no contributions under this agenda item.

8.3 Report from TSG-T

8.3.1 Report and questions for discussion from TSG-T

TD SP-010732 TSG-T#14 Progress Report. The TSG T Chairman presented his report of progress at TSG T meeting #14.

Progress Reports of TSG T WGs:

T1: Conformance Testing:

TS 34.121 “Terminal Conformance Specification, Radio Transmission and Reception (FDD)”. Almost Complete, Support of RRM 20-30% complete due to incompleteness of core specs.RRM tests:

- SWGs RF/Sig co-operating to get generic test procedures and parameters in place
    - Maintenance of R99 specifications
- Corrections due to core specification changes
- Discussions in RAN4 may affect definition of Power
    - Total Test Time optimisation
- Some work on BER/BLER completed, now need to define target and produce overall estimates

TS 34.122 “Terminal Conformance Specification, Radio Transmission and Reception (TDD)”. Almost Complete, Support of RRM 0%. This was explained as being due to lack of contribution, either due to market needs or overload with other work.

- LCR TDD
    - Number of contributors, very limited. No input documents received this time
- RRM Test Cases
    - No progress at this stage but will be able to draw on FDD test cases when available
- Total Test Time optimisation
    - Same issues as for FDD

TS 34.108 “Common test Conditions for User Equipment (UE) Conformance Testing”. 16 CRs approved. Issues:

- New RABs have been requested. T1 realizes that a formal procedure for the evaluation and introduction of RABs for general test purposes is required.
- A further discussion will take place on T1 timescales and they will notify RAN 2 directly

TS 34.123-1 “UE Conformance Specification, part 1 – Conformance Statement". 17 CRs approved.

TS 34.123-2 “UE Conformance Specification, part 2 – ICS Implementation Conformance Statement". 10 CRs approved.

TS 34.123-3 “UE Conformance Specification, part 1 – Abstract test suites".

- TTCN test specifications for the prose test cases in part 1
    - 575 TTCN test cases can be downloaded from the server
    - 394 test cases are ready for external verification

    - Test cases for Inter RAT (UTRAN->GERAN) drafted- Verification database is now up and running, 75 problems reported and fixed

- Voluntary Contributions for TTCN- no commitments received so far
- TTCN Configuration Management Issue has been discussed
    - The problem
- TTCN is in electronic format
- If more than one copy is merged with the original, there could be conflicts and hence errors
    - The solution: A configuration management (CM) tool would manage these conflicts
    - ETSI PT 160 are currently considering what approach would optimise the process of integrating changes in electronic form
- Revised ToR of Task 160 were endorsed by TSG-T#14Other issues:
- T1's ToR were updated to reflect new terminology (TP-010265)
- TS 34.910 "Identification of Test requirements for regulatory purposes in different regions/countries"
    - No further input documents were received for this issue
    - PCG confirmed that all 3GPP specifications should represent a superset of all the regional regulatory requirements
    - Industry Test Case verification priorities
        - Document will be modified in order to accept TTCN test case verification priority information
        - These priorities will be recorded and made available in this reference document for use by external groups carrying out verification trials
- An ad hoc meeting will be held in Sofia Antipolis in January 2002, to address the process of handling test case priorities within T1.

T2: Terminal Services and Capabilities

SWG1 MExE

- 9 REL-4 CRs approved
- MExE Enhancements Rel-5 on schedule
- Little progress on 'MExE Lite'
    - Discussions ongoing to make MExE more implementable
    - Some mandatory functionality in 23.057 might be changed to optional
- Classmark 4 based on Common Language Infrastructure (CLI).
    - CRs for REL-5 is expected for approval at T#15
- Little progress on MExE security analysis
    - Revised WID approved
    - SWG2 UE Interfaces and Capabilities
- 18 CRs approved
- T2 GUP AdHoc will start work on GUP stage 2 and 3

SWG3 Messaging

- 14 CRs approved (6 Rel-4 and 8 Rel-5)

- Work progressing well on EMS vector graphics and polyphony
- Completion of MMS REL- 5 at risk for March 2002
- MM7 (interface with Value Added Service applications)
  - Basis of a stage 2 has been produced
  - Decision on underlying protocol now crucial for Stage 3
- Address Resolution
  - Will use ENUM in the long term.
  - In the interim, proposals for direct and indirect MNP are being reviewed
- Digital Rights Management is not a part of REL-5
- Decision on REL-5 MM1 issues were noted by TSG-T
  - There will now be a single implementation for MM1 in REL-5 based on WAP
- most of the T2 delegates wanted to resolve this deadlock by holding a vote at T2#15.
- Motion: “Shall T2 deliver an alternative MM1 implementation in addition to the specification that will be delivered by the WAP forum for REL-5. ?”
- Result: 42.9 % of eligible voting companies were in favour of the motion. As this was less than 71%, the proposal was not agreed.

T3: USIM

Specifications presented for information: **TS 31.114 (Rel-5) , TS 31.131 (Rel-5);**

Updated SIM Toolkit test specification R99:- practically a new specification compared with the existing TS 11. 10-4 R96 which is based on R96 of SIM Toolkit (TS 11.14).

Work Items related to T3

- New WID for ISIM on a UICC for IMS (TP-010251)
  - Approved subject to TSG-SA not precluding such functionality
- USAT Interpreter test specification (Rel-5)
  - WID approved by TSG-T #12 with planned date March 2002 but likely to be postponed to late 2002
  - late start in work item, more complex than initially thought
- TSG-T agreed to delete the following work items
  - Enhancements to secure messaging
    - almost no progress since WI creation
  - UICC-USIM transport Protocol
    - some work had started, but concluded that EP SCP should work on the issue before USIM specific aspects are considered.

Java API related

- 12 CRs to TS 03.19/TS 11.13/TS 43.019
  (U)SIM API–Java/Java API test were approved

(U)SIM secure messaging-10 CRs to TS 03.48 / TS 23.048 were approved

(U)SIM Application Toolkit

- 4 CRs approved to TS 11.14 / TS 31.111

- Reservation of byte in terminal profile for TIA/EIA/IS-820 (3GPP2).
  Alignment with CAT specification of EP SCP which is used by 3GPP2

SIM-ME Interface- 7 CRs to TS 11.11 / TS 51.011 (Rel-4 only) were approved

- TS 51.011 now restructured to be based on ETSI TS 102 221
  - Some text deleted and replaced by a reference to TS 102 221
    (like TS 31.102 USIM)
  - Name may be changed to “Characteristics of the SIM application”

Characteristics of the USIM Application- 4 CRs on USIM characteristics (TS 31.102) were approved

TS 31.110 Numbering system for telecommunication IC card applications

- 1 CR to replace content with a reference to ETSI TS 101 220 was approved

TS 31.112 USAT Interpreter Architecture Description

- 1 CR to correct usage of TAR values was approved

TS 31.113 USAT interpreter byte codes

- 4 CRs were approved

TS 31.122 USIM conformance test specification

- 2 corrective CRs to align with core specification changes were approved

Issues in TSG-T#14

ISIM (IMS SIM)

- Discussions
  - Identity of ISIM: Stand-alone? Sub application of USIM?
  - Behaviour of IMS terminal with R99 or Rel-4 USIM?
  - Concerns on timely completion within the REL-5 schedule
- TSG-T request SA/SA1 to establish requirements for ISIM
  - TSG-T support to have joint meeting or workshop among interested WGs as proposed by SA2 if an independent ISIM is agreed to be necessary for Rel-5

Testing of Applications Platforms

- T1 & T2 had an ad hoc meeting to explore ways of providing conformance tests for applications platforms
- Draft Work Item Description was produced

Discussion on guidelines for Ad Hoc meetings.

The low progress on RRM was questioned as this appeared to be an important work area. The slow progress was explained as due to lack of contribution, as the subject is still on the agenda of T WG1, and the importance of RRM is recognised by them.

The low progress on MExE Security analysis was questioned. The T Chairman explained that this was important to T WG2, and that there was good progress on MExE testing, except for the security features and MExE Lite. The Security analysis WID had been revised.

It was reported that the next T WG3 meeting was 3rd week of January so if people want to contribute to this meeting, they should consider this quickly in the New Year.

The reason for the Vote in T WG2 on implementation of Rel-5 MMI was questioned. It was reported that the group had discussed this issue for a long time and T WG2 had asked the meeting if they thought a Vote would be the solution, and

the vast majority wished this, in order to reduce the time lost in the meetings. TSG SA concurred that the Vote had taken place according to the 3GPP Working Procedures and should not be debated in TSG SA.

Concerning Slide 13: –New WID for ISIM on a UICC for IMS (TP-010251): *Approved subject to TSG-SA not precluding such functionality*. TSG SA confirmed the need for the work related to the TSG T agreed work item, asking TSG T to taking into account the decisions made earlier in the meeting (see statement under the discussion of TD SP-010683, Agenda Item 7.1.3).

It was also reported that this work is being performed in the WAP Forum, but was not likely to start until mid-2002.

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

This was covered in the report from the TSG T Chairman, under agenda item 8.3.1.

8.3.3 Information on status and changes to deliverables

This was covered in the report from the TSG T Chairman, under agenda item 8.3.1.

8.4 Report from TSG-GERAN

8.4.1 Report and questions for discussion from TSG-GERAN

TD SP-010734 Report from TSG GERAN to TSG SA #14. The GERAN Chairman presented the highlights of the status of the work of TSG GERAN after TSG GERAN #07 (26-30 November 2001).

WG Organisation: The TSG GERAN Chairman reported that GERAN WG3 (Base Station Testing and O&M) did not currently have a Chairman. The GERAN WG4 chairman Jean-Marc Recouvr~~eo~~ux, Alcatel had announced that he due to other tasks in the company was not able to continue as chairman of GERAN WG4. TSG GERAN then used the opportunity to split the terminal testing into two groups. One responsible for the lower layers including the RLC/MAC the other responsible for the layers above. Election for the chairman positions ~~of these groups~~ took place at the working group meetings during GERAN #07. As chairman for GERAN WG4 Ilya Gonorovsky was elected. As chairman for GERAN WG5, Arnold Rönbeck, AU System was elected. As chairman for GERAN WG2, José Luis Carrizo Martinez, Vodafone was elected..

GPRS/EGPRS: Lower layers: Only simple corrections and clarifications; ”Early Classmark Sending option” indication missing on PBCCH:

- R97/R98: Multiple options for the terminals – Issue documented in GSM 09.95
- R99 onwards: Use of early classmark sending indication (ECSC flag) introduced in PSI2 on PBCCH The 3G ECSR flag was also introduced.

GPRS/EDGE: Agreement on Release and Feature markers obtained with TSG CN (WG1); Version of protocol not increased for Rel 4; One feature packet introduced for Release 4:

- Extended uplink TBF;
- NACC;
- Packet SI/PSI Status.

Progress on support of Iu: RRC agreement on most concepts:

- PBCCH mandatory for Iu mode;
- PBCCH capacity sufficient for Release 5(6);
- Paging concepts agreed;
- Iu-cs – issue of service awareness still open.

RLC/MAC:

- Update existing specification
- Generally good progress

LCS: Numerous correction to Release 98/99/4 agreed:

- LCS for GPRS (Gb mode):
  - Complete except for a few smaller issues;
- LCS for Iu operation:
  - Stage 2 updated;
  - Work ongoing on stage 3.

3G–2G Interworking: Dual-mode terminal monitoring of neighbour cells:

- Clarification of number of cells and frequencies to monitor
- Checking of understanding of UTRAN cell monitoring before next meeting to verify specification;

Backwards compatibility problem in SI2ter messages fixed; Transparent container changes agreed and coordinated with TSG RAN WG2; One new potential problem:

- Lack of requirements for after handover to resend Non Access Stratum messages awaiting uplink transmission:- Uplink NAS message loss during inter-system Handover;
  - Duplication avoidance functionality compromised;
  - Signalling between terminal and MSC interrupted;
- Downlink signalling messages could also be lost upon a UTRAN to GSM handover.**Support for codecs:** Performance requirement for NB-AMR Release 98 ~~à~~ questioned:
  - Contribution received claiming errors in the simulations used to produce the requirement;
  - Request to correct the results;
  - Impact would in several case corresponds to 2 dB relaxation. In some cases even more;
  - Next TSG GERAN WG1 to assess the full impact of the problem;

Further correction of RATSCCH; WB-AMR stable (RATSCCH still missing); Half Rate 8-PSK specified for NB-AMR.

The GERAN Chairman clarified that the error was felt to be due to a erroneous simulator adopted during the design stage, which had gone unnoticed for 2-3 years. A full overview of the impacts may be available at the February meeting of TSG GERAN.

Testing: Work plan for LCS testing updated; Concern that LCS requirements in are to tight for testing; Suggestion for A-GPRS accuracy testing – however no core specification on requirements exists; Numerous smaller corrections to GPRS and EDGE; There is an urgent need to start work on testing for the GSM/EDGE RAN Evolution.

Release 5 A/Gb mode: Extension of NACC to work for Inter BSC/RNC:

- Changes to 3GPP TS 48.018 reviewed;
- Error handling needs further review;

Iu flexibility: Detailed discussions delayed due to work load

GERAN Release 5, 6, etc.: New high multi-slot classes introduced; Discussions with SA WG1 on support of codecs:

- TSG GERAN suggested for Iu mode operation of GERAN that EFR should be mandatory to allow reuse for legacy transceiver – But SA WG1 only included AMR in their specifications;

For CS data services GERAN legacy transceivers may only support n*9.6 kbit/s data rates – The lowest data rate supported over Iu is 14.4 kbit/s:

- This may also cause problems for UTRAN-GSM handover, e.g. for transparent CS Data service.

Technical Report on support of optimised voice being drafted; Integrated VoIP application not requiring header regeneration assumed for Optimised Voice; Requirements for Optimised Voice not fully clear; Call set-up and in call signalling is within the bandwidth of the actual call bandwidth has been assumed; GERAN still missing full information about SIP procedures – critical for time schedule for signalling bearers (FACCH and SACCH equivalents); GERAN regards SIP compression as necessary to obtain reasonable call set-up times; GERAN has reviewed MBMS stage 1.

The Work plan TSG GERAN updated and a list of GERAN CRs for TSG GERAN meeting #076 was provided (see attachments to TD SP-010734).

It was reported that TSG GERAN have decided to no longer have specific ad-hoc meetings on "Future GERAN". The work will instead be handled by intermediate meetings of the GERAN WGs, primarily WG2.

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

There were no contributions under this agenda item.

8.4.3 Information on status and changes to deliverables

The GERAN Work plan and CR Status after GERAN Meeting #076 were provided as attachments to the GERAN Chairman's Report in TD SP-010734.

8.5 Letters to other groups

TD	Title	Source	Agenda	Status	To:	CC:
SP-010764	OHG Correspondence of "3GPP/3GPP2 Joint Workshop on IP Core Network Harmonization"	TSG SA vice chairman	8.5	Approved (e-mail after meeting)	OHG Chairman (M. Walker)	3GPP2 Steering Committee Chairman (S. Dennett)

8.6 Review of Release 1999 and Release 4 specification sets

TD SP-010655 CR to 21.101: "Correction to list of specs". This was presented by MCC (J. Meredith). This CR was approved.

TD SP-010753 CR to 21.102: "Correction to list of specs". This was presented by MCC (J. Meredith). This CR was approved.

TD SP-010657 CR to 01.01: "GSM Release 1999 specifications". This was presented by MCC (J. Meredith). This CR was approved. It was noted that the header of this document was incorrectly marked as "SP-010655".

TD SP-010754 CR to 41.102: "GSM Release 4 Specifications". This was presented by MCC (J. Meredith). This CR was approved.

TD SP-010659 Specs status list prior to TSGs#14. This was presented by MCC (J. Meredith). There was a question on whether the status list should be approved at any time. The TSG SA Chairman stated that the status list should be verified before TSG SA approves it. J. Meredith explained that the version available on the Web pages after 3 weeks should be completely stable. The TSG SA Chairman requested that the list available on the TSG SA meeting Report should be the definitive one, and there should be no differences between versions available. The status list was then noted.

TD SP-010660 Specs status list at end of TSG-SA#14. This was provided by MCC (J. Meredith) and **delegates were asked to check this and provide comments/corrections to Mr. Meredith as quickly as possible**. The document was then noted.

8.7 General aspects of Release handling and definition

There were no contributions under this agenda item.

8.8 Review of Release 5 status, content and Scheduling

TD SP-010724 Executive summary of foreseen content of Release 5. This was briefly presented by MCC (A. Sultan) and provides the main WIs contained in Rel-5. Any problems noticed should be relayed to A. Sultan for correction. The document was noted and it was agreed that the UE functionality split Feature should be moved into the main set of Rel-5 Features.

8.9 Beyond Release 5 and/or Current work plan (Vision, Phasing etc.)

There were no contributions under this agenda item.

8.10 Other issues

There were no contributions under this agenda item.

9 Project Management

9.1 Review of work programme

There were no contributions under this agenda item.

9.2 Working methods

There were no contributions under this agenda item.

9.3 Other issues

There were no contributions under this agenda item.

10 Project support

TD SP-010756 MCC Report of activities to TSG SA #14. The report was presented by the Head of MCC, A. Scrase. He reported the imminent departure of Michael Sanders who was thanked by 3GPP for his good work. A call for candidates to replace Michael had been issued and a replacement is hoped for soon.

Other MCC members who are leaving in 2002 will require replacement, and Members were asked to look for experts in their companies as candidates for the important work of MCC.

Delegates were reminded that the next TSG will be 100% Wireless LAN and that all should obtain Wireless LAN cards for their PCs, as the CD-ROM service will also be discontinued.

The report was then noted.

11 Postponed issues from earlier in the meeting

There were no contributions under this agenda item.

12 Work plan and future meetings

TD SP-010755 3GPP Calendar of meetings. This was provided for information and was noted.

Meeting	2002	Location	Primary Host
TSG#15	5 – 14 March	Cheju Island, Korea	TTA
TSG#16	4 –13 June	Marco Island, FL, USA	Motorola
TSG#17	3 – 12 September	Biarritz, France	Alcatel
TSG#18	3 – 12 December	USA	NA 'Friends of 3GPP'
Meeting	**2003**	**Location**	**Primary Host**
TSG#19	March (tba)	UK	UK 'Friends of 3GPP'
TSG#20	June (tba)	Finland	Nokia

Full details may be obtained via the 3GPP website (http://www.3gpp.org)

13 Any other business

TD SP-010759 Smooth Introduction of Release 99. This was provided by Alcatel, Ericsson, Lucent, Motorola, Nokia, Nortel Network, T-Mobil and Qualcomm, and was presented by the TSG SA Chairman (Motorola). There was some discussion of the issues raised, and delegates were asked to consider these further. The presentation was then noted.

14 Close of meeting

The TSG SA Chairman thanked the hosts for the nice facilities provided in Kyoto, MCC and other support staff for the smooth running of the meeting, the delegates for their co-operation and hard work, the 3GPP Japanese Friends for the arrangements of the Social event and closed the meeting.

Annex A: Co-ordinates of TSG and WG Officials

A.1 TSG SA Officials

Position	Name	Company	e-mail	Telephone	Fax	(Mobile Tel.)
TSG SA Officials:						
Chairman	Niels Andersen	MOTOROLA	npa001@email.mot.com	+45 43 48 81 10	+45 43 48 80 01	+45 4018 4793
Vice Chairman	Gary Jones	VoiceStream	gary.jones@voicestream.com	+1 301 951 2524	+1 703 715 2365	+1 201486 0949
Vice Chairman	Hiroshi Nakamura	NTT DoCoMo	naka@docomo.fr	+33 1 56 88 30 30	+33 1 56 88 30 45	
Secretary	Maurice Pope	3GPP Support Team	maurice.pope@etsi.fr	+33 4 92 94 42 59	+33 4 92 38 52 59	
TSG SA WG1 Officials:						
Chairman	Kevin Holley	BT	kevin.holley@bt.com	+44 1473 605604	+44 1473 623794	
Vice Chairman	Randolph Wohler	Pacific Bell Wireless	rwohlert@tri.sbc.com	+1 512 372 5838	+1 512 372 5891	
Vice Chairman	Tommi Kokkola	Nokia Corporation	tommi.kokkola@nokia.com	+358 40 50 40 734	+358 9 511 68080	+358 40 50 40 734
Secretary	Michael Clayton	3GPP Support Team	michael.clayton@etsi.fr	+33 4 92 94 42 28	+33 4 92 38 52 28	+33 6 74 40 83 68
TSG SA WG2 Officials:						
Chairman	Mikko Puuskari	Nokia	mikko.puuskari@nokia.com	+358 9 43 761	+358 9 43 76 6856	+358 40 528 8283
Vice Chairman	Akishige Noda	Fujitsu	aki.noda@jp.fujitsu.com	+81 44 75 44 196	+81 44 75 44 147	
Vice Chairman	Bonnie Chen	Motorola	BCHEN1@motorola.com	+1 847 435 2699	+1 847 632 6299	
Secretary	Alain Sultan	3GPP Support Team	alain.sultan@etsi.fr	+33 4 92 94 42 71	+33 4 92 38 52 71	+33 67 440 8370
TSG SA WG3 Officials:						
Chairman	Michael Walker	Vodafone	mike.walker@vodafone.com	+44 1635 673 886	+44 1635 31127	+44 385 277 687
Vice Chairman	Valtteri Niemi	Nokia	valtteri.niemi@nokia.com	+358 50 48 37327	+358 9 4376 6850	
Vice Chairman	Michael Marcovici	Lucent Technologies	marcovici@lucent.com	+1 630 979 4062	+1 630 224 9955	
Secretary	Maurice Pope	3GPP Support Team	maurice.pope@etsi.fr	+33 4 92 94 42 59	+33 4 92 38 52 59	
TSG SA WG4 Officials:						
Chairman	Kari Jarvinen	Nokia	kari.ju.jarvinen@nokia.com	+358 3272 5854	+358 3272 5888	+358 50 555 0999
Vice Chairman	Tomoyuki Ohya	NTT DoCoMo	ohya@spg.nttdocomo.co.jp	+81 3 5563 7241		
Vice Chairman	Vacancy					
Secretary	Paolo Usai	3GPP Support Team	paolo.usai@etsi.fr	+33 4 92 94 42 36	+33 4 92 38 52 36	+33 6 74 40 83 73
TSG SA WG5 Officials:						
Chairman	(~~resigning~~changing company) Albert Yuhan	VoiceStream Wireless	albert.yuhan@voicestream.com	+1 973 290 2665	+1 973 290 2575	
Vice Chairman	Michael Truss	Motorola	Michael.Truss@motorola.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	Kunihiko Taya	NEC				
Secretary	David Boswarthick	3GPP Support Team	david.boswarthick@etsi.fr	+33 4 92 94 42 78	+33 4 92 38 52 78	
TSG CN WG1 Officials:						
Chairman	Hannu Hietalahti	Nokia	hannu.hietalahti@nokia.com	+358 40 502 1724	+358 10 505 7999	+358 40 502 1724
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	Per J. Jorgensen	3GPP Support Team	PerJohan.Jorgensen@etsi.fr	+33 4 92 94 42 31	+33 4 92 38 52 31	
TSG CN WG2 Officials:						
Chairman	Keijo Palviainen	NOKIA	keijo.palviainen@nokia.com	+358 9 511 69669	+358 9 5112 9253	+358 40 558 5623
Vice Chairman	Ruth Hewson	Vodafone	ruth.hewson@vf.vodafone.co.uk	+44 1635 673 148	+44 1635 233 401	
Vice Chairman	Vacancy					
Secretary	Andrijana Jurisic	3GPP Support Team	andrijana.jurisic@etsi.fr	+33 4 92 94 43 09	+33 4 92 38 53 09	
TSG CN WG3 Officials:						
Chairman	Norbert Klehn	Siemens	norbert.klehn@icn.siemens.de	+49 30 386 290 90	+49 30 386 44255	
Vice Chairman	Vacancy					
Vice Chairman	Vacancy					
Secretary	David Boswarthick	3GPP Support Team	david.boswarthick@etsi.fr	+33 4 92 94 42 78	+33 4 92 38 52 78	
TSG CN WG4 Officials:						
Chairman	Ian Park	Vodafone	ian.park@vf.vodafone.co.uk	+44 1653 673 527		
Vice Chairman	Peter Schmitt	Siemens	peter.schmitt@icn.siemens.de	+49 6621 169152		
Vice Chairman	Toshiyuki Tamura	NEC Corporation	tamurato@aj.jp.nec.com	+81 471 85 6706	+81 471 85 6962	
Secretary	Kimmo Kymalainen	3GPP Support Team	kimmo.kymalainen@etsi.fr	+33 4 92 94 42 38	+33 4 92 38 52 38	
TSG CN WG5 Officials:						
Chairman	Ard-Jan Moerdijk	Ericsson	ard.jan.moerdijk@eln.ericsson.se	+31 161 242777	+31 161 249904	+31 6 54255318
Vice Chairman	Musa Unmehopa	Lucent Technologies	unmehopa@lucent.com	+31 35 687 1684	+31 35 687 5822	
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.3 TSG RAN Officials

Position	Name	Company	e-mail	Telephone	Fax	(Mobile Tel.)
TSG RAN Officials:						
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	
Vice Chairman	Eisuke FUKUDA	Fujitsu	efukuda@jp.fujitsu.com	+81 44 754 4142	+81 44 754 4186	
Secretary	Hans van der Veen	3GPP Support Team	Hans.vanderVeen@etsi.fr	+33 4 92 94 42 61	+33 4 92 38 52 61	+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	Masafumi Usuda	NTT DoCoMo	usuda@wsp.yrp.nttdocomo.co.jp	+81 468 40 3190	+81 468 40 3762	
Vice Chairman	Hyeon Woo Lee	Samsung Electronics	woojaa@samsung.com	+82 31 779 6613	+82 31 779 8003	
Secretary	Shinobu Ikeda	3GPP Support Team	Shinobu.Ikeda@etsi.fr	+33 4 92 94 42 06	+33 4 92 38 52 06	
TSG RAN WG2 Officials:						
Chairman	Denis Fauconnier	Nortel	dfauconn@nortelnetworks.com	+33 1 39 44 52 87	+33 1 39 44 50 12	+33 06 64 04 35 29
Vice Chairman	Francesco Grilli	Qualcomm Europe	fgrilli@qualcomm.com	+1 858 845 3742	+1858 658 2113	
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 52 61	+33 6 74 40 83 64
TSG RAN WG3 Officials:						
Chairman	Martin Israelsson	Ericsson	martin.israelsson@era.ericsson.se	+46 8 7641199	+46 8 58530800	+46 702670120
Vice Chairman	Jim Miller	InterDigital	jim.miller@interdigital.com	+1 516 622 4071	+1 516 622 0100	
Vice Chairman	Chenghock Ng	NEC	ngcheng@mcs.abk.nec.co.jp	+81 471 85 7167		
Secretary	Carolyn Taylor	3GPP Support Team	carolyn.taylor@etsi.fr	+33 4 92 94 43 52	+33 4 92 38 53 52	
TSG RAN WG4 Officials:						
Chairman	Howard Benn	Motorola	bennh@ecid.cig.mot.com	+44 1 793 566266	+44 1 793 566225	
Vice Chairman	Takaharu Nakamura	Fujitsu / ARIB	poco@flab.fujitsu.co.jp	+81 44 754 3850		
Vice Chairman	Vacancy					
Secretary	Cesar Gutierrez	3GPP Support Team	cesar.gutierrez@etsi.fr	+33 4 92 94 43 21	+33 4 92 38 53 21	
3GPP Ad-hoc group on ITU (internal) co-ordination:						
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	+82-11-349-6535
Vice Chairman	Ed Ehrlich	Nokia	ed.ehrlich@nokia.com	+1 972 894 4495	+1 972 894 5525	+1 214 707 0812
Vice Chairman	Kevin Holley	BT	kevin.holley@bt.com	+44 1473 605604	+44 1473 623794	+44 7802 220811
Secretary	(resigned) Michael Sanders	3GPP Support Team	michael.sanders@etsi.fr	+33 4 9294 42 90	+33 4 92 38 52 90	
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	Hisashi Nakagomi	NTT DoCoMo	hisashi@cet.yrp.nttdocomo.co.jp	+81-468-40-3100	+81-468-40-3733	
Secretary	Lidia Salmeron	3GPP Support Team	lidia.salmeron@etsi.fr	+33 4 92 94 43 49	+33 4 92 38 53 49	
TSG T WG2 Officials:						
Chairman	Ian Harris	Vodafone	ian.harris@vodafone.co.uk	+44 1653 673 270	+44 1635 672 587	+44 77 85 360 000
Vice Chairman	Peter Neumann	Siemens	peter.neumann@mch.siemens.de	+49 89 72 23 67 18	+49 89 72 23 70 78	+49 17 28 90 44 28
Vice Chairman	Gunilla Bratt	Ericsson L.M.	gunilla.bratt@ecs.ericsson.se	+46 46 193 729	+46 46 193 216	
Secretary	Friedhelm Rodermund	3GPP Support Team	friedhelm.rodermund@etsi.fr	+33 4 92 94 43 24	+33 4 92 38 53 24	
TSG T WG3 Officials:						
Chairman	Klaus Vedder	Giesecke & Devrient	klaus.vedder@gdm.de	+49 89 4119 1542	+49 89 4119 1540	
Vice Chairman	Nigel Barnes	Motorola	nigel.barnes@motorola.com	+44 1256 790 169	+44 1 256 790 190	+44 7785 31 86 31
Vice Chairman	Paul JOLIVET	DoCoMo Europe	jolivet@docomo.fr	+33 1 56 88 30 30	+33 1 56 88 30 45	+33 6 84 77 71 71
Secretary	Michael Sanders	3GPP Support Team	michael.sanders@etsi.fr	+33 4 9294 42 90	+33 4 92 38 52 90	

A.5 TSG GERAN Officials

Position	Name	Company	e-mail	Telephone	Fax	(Mobile Tel.)
TSG GERAN Officials:						
Convenor	Niels Andersen	MOTOROLA	npa001@email.mot.com	+45 43 48 81 10	+45 43 48 80 01	+45 4018 4793
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 52 36	+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 52 36	+33 6 74 40 83 73
TSG GERAN WG2 Officials:						
Chairman	José Luis Carrizo Martinez	Vodafone	jose-luis.carrizo@vodafone.co.uk	+44 1635 676093	+44 1635 231847	+44 1635 676093
Vice Chairman	Vacancy					
Vice Chairman	Vacancy					
Secretary	Gert Thomasen	3GPP Support Team	gert.thomasen@etsi.fr	+33 4 92 94 43 84	+33 4 92 38 53 84	
TSG GERAN WG3 Officials:						
Chairman	Vacancy					
Vice Chairman	Vacancy					
Vice Chairman	Vacancy					
Secretary	Friedhelm Rodermund	3GPP Support Team	friedhelm.rodermund@etsi.fr	+33 4 92 94 43 24	+33 4 92 38 53 24	
TSG GERAN WG4 Officials:						
Chairman	Ilya Gonorovsky	Motorola Inc.	i.gonorovsky@motorola.com	+1 732 762 7082	+1 732 878 8001	
Vice Chairman						
Vice Chairman						
Secretary	Michael Clayton	3GPP Support Team	michael.clayton@etsi.fr	+33 4 92 94 42 28	+33 4 92 38 52 28	+33 6 74 40 83 68
TSG GERAN WG5 Officials:						
Chairman	Arnold Ronbeck	AU-System	arnold.ronbeck@ausystem.se	+46 46 32 71 69	+46 46 32 70 01	+46 705 29 29 47
Vice Chairman						
Vice Chairman						
Secretary	Lidia Salmeron	3GPP Support Team	lidia.salmeron@etsi.fr	+33 4 92 94 43 49	+33 4 92 38 53 49	

Annex B: List of documents

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-010600	Draft Agenda for TSG SA meeting #14	TSG SA Chairman	2	Approval		Approved
SP-010601	Draft report of TSG SA meeting #13 - (v 0.0.6 with rev marks)	TSG SA Secretary	3	Approval		Approved. (new version 1.0.0)
SP-010602	WID: AMR-WB Speech Service – Core Network Aspects	RAN WG3	8.2.3	Information		Noted
SP-010603	LS from SA WG1: Focus of TR 22.941	SA WG1	7.1.2	Action		Noted
SP-010604	LS from SA WG3: Security and privacy requirements of presence	SA WG3	7.3.2	Information		Noted
SP-010605	Report of SA WG3 activities since SA#13	SA WG3 Chairman	7.3.1	Presentation	SP-010750	Revised in SP-010750
SP-010606	Reports of SA WG3 meetings held since SA#13	SA WG3 Chairman	7.3.1	Information		Noted
SP-010607	2 CR to 21.133: Definition of UICC (Rel-99 and Rel-4)	SA WG3	7.3.3	Approval		Approved
SP-010608	2 CRs to 33.102: Annex F.2 (changing list parameters) modification (Rel-99 and Rel-4)	SA WG3	7.3.3	Approval		Approved
SP-010609	2 CRs to 33.102: Sequence Number Management Corrections (Rel-99 and Rel-4)	SA WG3	7.3.3	Approval		Approved
SP-010610	2 CRs to 33.102: SQNMS retrieval in AuC during resynchronisation (Rel-99 and Rel-4)	SA WG3	7.3.3	Approval		Approved
SP-010611	1 CR to 33.102: Configurability of cipher use (Rel-5 only)	SA WG3	7.3.3	Approval	SP-010760	Revised in SP-010760
SP-010612	2 CRs to 33.107: Start of secondary interception of an active PDP context (Rel-4, Rel-5)	SA WG3	7.3.3	Approval		Approved
SP-010613	1 CR to 33.107: Alignment of TS 33.107 for Release 5 Network Architecture (Rel-5 only)	SA WG3	7.3.3	Approval		Approved
SP-010614	3 CRs to 33.107: Correct the MO-SMS and MT-SMS events (Rel-99, Rel-4, Rel-5)	SA WG3	7.3.3	Approval		Approved
SP-010615	2 CRs to 33.107: Source of PDP context initiation (Rel-4, Rel-5)	SA WG3	7.3.3	Approval		Approved
SP-010616	1 CR to 33.200: MEA encryption algorithm update (Rel-4)	SA WG3	7.3.3	Approval		Approved
SP-010617	4 CRs to 33.200: Related to Protection Profiles (Rel-4)	SA WG3	7.3.3	Approval	SP-010727 SP-010728 SP-010729	WITHDRAWN - CRs split into 3 documents: 727, 728 and 729
SP-010618	2 CRs to 33.200: MAPsec SA related (Rel-4)	SA WG3	7.3.3	Approval		Approved
SP-010619	1 CR to 33.200: Removing the Sending PLMN-Id from Security Header (Rel-4)	SA WG3	7.3.3	Approval		Approved
SP-010620	2 CRs to 35.201: Correct the maximum input message length for f8 and f9 (Rel-99 and Rel-4)	SA WG3	7.3.3	Approval		Approved
SP-010621	Revised Work Item Description (revision of SP-000309)	SA WG3	7.3.3	Approval		Returned to S3-LI for clarification
SP-010622	New WI description: Support for subscriber certificates	SA WG3	7.3.3	Approval		Approved
SP-010623	Draft 33.210 v 1.0.0: Network Domain Security; IP network layer security (Release 5)	SA WG3	7.3.3	Information		Noted
SP-010624	Draft 33.203 v 1.0.0: Access Security for IP-based Services (Release 5)	SA WG3	7.3.3	Information		Noted
SP-010625	Draft Proposed Content of 33.200 Release 5: MAP Security	SA WG3	7.3.3	Information		Noted. SA WG3 asked to produce functionally separate CRs for final update
SP-010626	MCC review of the Work Plan, Source: MCC	MCC (A Sultan)		Presentation	SP-010745	Revised in SP-010745
SP-010627	Work Plan version Dec.12th	MCC (A Sultan)				Noted (not latest information after meeting#14)

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-010628	IP Framework Report	SPC Communications	7.1.1	Information		Noted
SP-010629	Liaison Statement from T WG2 on UE Functionality Split Relating to the IMS	T WG2	6.1	Action		Noted. Security aspects need to be resolved before a SIP Client can run transparently on the TE
SP-010630	Status report from SA WG5 to SA#14	SA WG5 Chairman	7.5.1	Information		Noted
SP-010631	2 Rel-5 BB-level WI Descriptions for Charging Management and Performance Management under OAM&P Feature	SA WG5	7.5.3	Approval	SP-010654 (includes On-line charging)	Updated to include On-Line charging in SP-010654
SP-010632	R99 CR32.015 Charging (S5-010644)	SA WG5	7.5.3	Approval		Approved
SP-010633	R99 CR32.015, Rel-4 CR32.215 Charging (S5-010643, S5-010642), (S5-010741, S5-010742)	SA WG5	7.5.3	Approval		Approved
SP-010634	Rel-4 CR32.215 Charging (S5-010743)	SA WG5	7.5.3	Approval		Approved
SP-010635	R99 CR32.106-4, R99 CR 32.111-4 (S5-000763, S5-000764)	SA WG5	7.5.3	Approval		Approved
SP-010636	R99 CR32.106-7 (S5-010767)	SA WG5	7.5.3	Approval		Approved
SP-010637	R99 CR 32.111-3 (S5-010765)	SA WG5	7.5.3	Approval		Approved
SP-010638	R99 CR32.104, Rel-4 CR32.401 (S5-010745, S5-010746)	SA WG5	7.5.3	Approval		Approved
SP-010639	Rel-4 CR32.111-2 (S5-010674, S5-010675)	SA WG5	7.5.3	Approval		Approved
SP-010640	Rel-4 CR32.111-4 (S5-010677, S5-010775)	SA WG5	7.5.3	Approval		Approved
SP-010641	Rel-4 CR 32.300 (S5-010663)	SA WG5	7.5.3	Approval		Approved
SP-010642	Rel-4 CR 32.302 (S5-000774)	SA WG5	7.5.3	Approval		Approved
SP-010643	Rel-4 CR 32.604 (S5-010664)	SA WG5	7.5.3	Approval		Approved
SP-010644	Rel-4 CR 32.613 (S5-010668, S5-010669)	SA WG5	7.5.3	Approval		Approved
SP-010645	Rel-4 CR 32.615 (S5-010766)	SA WG5	7.5.3	Approval		Approved
SP-010646	Rel-4 CR 32.623 , Rel-4 CR 32.643, Rel-4 CR 32.653 (S5-010761, S5-010779, S5-010762)	SA WG5	7.5.3	Approval		Approved
SP-010647	Rel-4 CR 32.623 (S5-010768)	SA WG5	7.5.3	Approval		Approved
SP-010648	Rel-4 CR 32.624 (S5-010778)	SA WG5	7.5.3	Approval		Approved
SP-010649	Rel-4 CR 32.632 (S5-010672)	SA WG5	7.5.3	Approval		Approved
SP-010650	Rel-4 CR 32.652 (S5-010652)	SA WG5	7.5.3	Approval		Approved
SP-010651	Rel-4 CR 32.653 (S5-010671)	SA WG5	7.5.3	Approval		Approved
SP-010652	Rel-5 draft TR 32.802 v100 in co-operation with T2 on "User Equipment Management (UEM) feasibility study"	SA WG5	7.5.3	Information		Noted
SP-010653	Rel-5 CR 32.304, Rel-5 CR 32.302 (S5-010772, S5-010773)	SA WG5	7.5.3	Approval		Approved
SP-010654	Rel-5 BB-level WI Descriptions for Charging Management under the OAM&P Feature	TSG SA (revision of SA WG5 WID)	7.5.3	Approval		Approved
SP-010655	CR to 21.101: "Correction to list of specs"	J. Meredith, MCC	8.6	Approval		Approved
SP-010656	CR to 21.102: "Correction to list of specs"	J. Meredith, MCC	8.6	Approval	SP-010753	Revised in SP-010753
SP-010657	CR to 01.01: "GSM Release 1999 specifications".	J. Meredith, MCC	8.6	Approval		Approved (Note: Header is incorrect on document)
SP-010658	CR to 41.102: "GSM Release 4 Specifications"	J. Meredith, MCC	8.6	Approval	SP-010754	Revised in SP-010754
SP-010659	Specs status list prior to TSGs#14	J. Meredith, MCC	8.6	Information		Noted
SP-010660	Specs status list at end of TSG-SA#14	J. Meredith, MCC	8.6	Information		Noted. Comments to J Meredith ASAP
SP-010661	Presentation of SA1 to SA #14	SA WG1	7.1.1	Information		WID in SP-010739 was approved.
SP-010662	Status report of SA1 to SA #14	SA WG1	7.1.1	Information		Noted
SP-010663	CRs to 02.78 on Calling Party Number can not be modified by CSE for R97 and R98	SA WG1	7.1.3	Approval		Noted
SP-010664	CRs to 22.011 'Editorial improvements for R99 and Rel-4	SA WG1	7.1.3	Approval	SP-010684	Formatting error - withdrawn and revised in SP-010684

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-010665	CRs to 22.011 R99 and Rel-4 on 'Interaction between equivalent PLMN list and periodic network selection attempts'	SA WG1	7.1.3	Approval	SP-010685	Formatting error - withdrawn and revised in SP-010685
SP-010666	CRs to 22.011 R99 and Rel-4 on 'Interaction between "equivalent PLMN" list and "Forbidden PLMN" list'	SA WG1	7.1.3	Approval	SP-010686	Formatting error - withdrawn and revised in SP-010686
SP-010667	CRs to 22.011 R99 and Rel-4 on 'Simplification of the procedure for user PLMN reselection'	SA WG1	7.1.3	Approval	SP-010687	Formatting error - withdrawn and revised in SP-010687
SP-010668	CRs to 22.011 R99 and Rel-4 on 'Clarification on the UE behaviour when receiving a registration rejection'	SA WG1	7.1.3	Approval	SP-010688	Formatting error - withdrawn and revised in SP-010688
SP-010669	CRs to 22.011 R99 and Rel-4 on 'Clarification on the interpretation of the term "country" in 22.011'	SA WG1	7.1.3	Approval	SP-010689	Formatting error - withdrawn and revised in SP-010689
SP-010670	CRs to 22.129 R99, Rel-4 and Rel-5 on Multicall handover requirements	SA WG1	7.1.3	Approval		Approved
SP-010671	CRs to 21.905, 22.121 and 22.228 on Defintion of Local Services for Rel-5	SA WG1	7.1.3	Approval		Approved
SP-010672	CR to 22.003 Rel-5 on Clarification of requirements for support of codecs	SA WG1	7.1.3	Approval		Approved
SP-010673	CR to 22.071 Rel-5 on Privacy Override Indicator	SA WG1	7.1.3	Approval		Approved
SP-010674	CRs to 22.078 for Rel-5 for CAMEL	SA WG1	7.1.3	Approval		Approved
SP-010675	CRs to 22.127 Rel-5: OSA	SA WG1	7.1.3	Approval		Approved
SP-010676	CRs to 22.140 for Rel-5 for Multimedia Messaging Service	SA WG1	7.1.3	Approval		Approved
SP-010677	CRs to 22.141 for Rel-5 for Presence Service	SA WG1	7.1.3	Approval		Approved
SP-010678	CRs to 22.146 for Rel-5 for Multimedia Broadcast/Multicast Service	SA WG1	7.1.3	Approval		Approved
SP-010679	TR 22.944 v 1.0.0 on UE Functionality Split for information	SA WG1	7.1.3	Information		Detailed work should continue. Particularly for TE ans security aspects
SP-010680	22.243 Version 1.0.0 on Distributed Speech Recognition for information	SA WG1	7.1.3	Information		Noted
SP-010681	New WI on Support of Multi-modal and Multi-device browsers application by 3GPP	SA WG1	7.1.3	Approval		Rejected
SP-010682	IMS clients in UE split (Response to the LS from T2 on UE-split - SP-010629)	Nortel	6.1	Discussion		Noted. Covered in SP-010629 discussions
SP-010683	LS on IMS identifiers and ISIM and USIM	SA WG2	7.2.2	Action		Workshop not necessary
SP-010684	CRs to 22.011 'Editorial improvements for R99 and Rel-4	SA WG1	7.1.3	Approval		Approved
SP-010685	CRs to 22.011 R99 and Rel-4 on 'Interaction between equivalent PLMN list and periodic network selection attempts'	SA WG1	7.1.3	Approval		Approved
SP-010686	CRs to 22.011 R99 and Rel-4 on 'Interaction between "equivalent PLMN" list and "Forbidden PLMN" list'	SA WG1	7.1.3	Approval		Approved
SP-010687	CRs to 22.011 R99 and Rel-4 on 'Simplification of the procedure for user PLMN reselection'	SA WG1	7.1.3	Approval		Approved
SP-010688	CRs to 22.011 R99 and Rel-4 on 'Clarification on the UE behaviour when receiving a registration rejection'	SA WG1	7.1.3	Approval		Approved
SP-010689	CRs to 22.011 R99 and Rel-4 on 'Clarification on the interpretation of the term "country" in 22.011'	SA WG1	7.1.3	Approval		Rejected
SP-010690	Liaison statement on updating procedure of RAB definitions in TS 34.108 WITHDRAWN)	TSG RAN	8.2.1	Information		Withdrawn as same as SP-010735
SP-010691	TSG S4 Status Report at TSG-SA#14	SA WG4 Chairman	7.4.1	Information		Noted
SP-010692	3GPP Draft TR 26.976 AMR-WB Speech Codec Performance Characterization version 0.6" (Release 5)	SA WG4	7.4.3	Information / Approval		Noted

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-010693	3GPP Draft TS 26.204 version 1.0.0 “ANSI-C code for the floating-point AMR wideband speech codec" (Release 5)	SA WG4	7.4.3	Information		Noted
SP-010694	3GPP TS 26.236 version 1.0.0 Updated Transport Protocol specification for PS Conversational Multimedia (v. 1.0.0) (Release 5)	SA WG4	7.4.3	Information		Noted
SP-010695	3GPP TS 26.140 version 1.0.0 “TSG-SA4 PSM SWG internal working Draft Multimedia Messaging Service (MMS) Media formats and codecs (Release 5)	SA WG4	7.4.3	Information		Noted
SP-010696	CRs to TS 06.73 and TS 26.073 on Correction of RX-DTX handling of NO_DATA frames in AMR decoder (R98, R99, Release 4)	SA WG4	7.4.3	Approval		Approved
SP-010697	CRs to TS 06.73 and TS 26.073 on Correction in AMR decoder to avoid division by zero in RX- DTX handling (R98, R99, Release 4)	SA WG4	7.4.3	Approval		Approved
SP-010698	CRs to TS 26.103 on Inclusion of codec type UMTS AMR_2 in R99 codec list (R99), and Removal of AMR-WB codec type (Release 4)	SA WG4	7.4.3	Approval		Approved
SP-010699	CRs to TS 26.173 on "Incorrect mode usage during DTX" and "Correction of homing function for 23.85 kbit/s mode"(Release 5)	SA WG4	7.4.3	Approval		Approved
SP-010700	CRs to TS 26.174 on "Update of AMR-WB test sequences" (Release 5)	SA WG4	7.4.3	Approval		Approved
SP-010701	CRs to TS 26.190 on "Inconsistency between TS 26.190 and TS 26.173" (Release 5)	SA WG4	7.4.3	Approval		Approved
SP-010702	CRs to TS 26.233 "Transparent end-to-end packet switched streaming service; General description" on Correction of RTSP TEARDOWN protocol flow in Figure 1 (Release 4)	SA WG4	7.4.3	Approval		Approved
SP-010703	CRs to TS 26.234 "Transparent end-to-end packet switched streaming services (PSS); Protocols and codecs": Corrections and "Implementation guidelines for RTSP and RTP" (Release 4)	SA WG4	7.4.3	Approval		Approved
SP-010704	CRs to TS 28.062 Corrections to "In-band Tandem Free Operation (TFO) of Speech Codecs; Stage 3 - Service Description" (Release 4)	SA WG4	7.4.3	Approval		Approved
SP-010705	TSG-SA WG2 report at TSG SA #14	SA WG2 Chairman + MCC Support	7.2.1	Presentation		Noted
SP-010706	CRs on 03.60 and 23.060	SA WG2	7.2.3	Approval		Approved
SP-010707	CRs on LCS (03.71, 23.171 and 23.271)	SA WG2	7.2.3	Approval		Approved
SP-010708	CRs on 23.002	SA WG2	7.2.3	Approval		Approved
SP-010709	CRs on 23.107	SA WG2	7.2.3	Approval		CRs 073, 074, 075, 079r2, 080r2 and 081r2 were approved. CRs 70r1, 71r2 and 72r1 postponed
SP-010710	CRs on 23.127	SA WG2	7.2.3	Approval		Approved
SP-010711	CRs on 23.207	SA WG2	7.2.3	Approval		Approved
SP-010712	CRs on 23.221	SA WG2	7.2.3	Approval		Approved
SP-010713	CRs on 23.226	SA WG2	7.2.3	Approval		Approved
SP-010714	CRs on 23.228	SA WG2	7.2.3	Approval		CRs 068, 071and 088 were withdrawn. Other CRs approved
SP-010715	CRs on 23.236	SA WG2	7.2.3	Approval		Approved
SP-010716	CRs on 23.875	SA WG2	7.2.3	Approval		Approved
SP-010717	TR on Enhanced support for User Privacy in location services for information	SA WG2	7.2.3	Information		Noted. SA WG1 to consider this document, for the stage 1 aspects

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-010718	TR 23.815 on Charging implication of IMS architecture (Release 5)	SA WG2	7.2.3	Information		Noted
SP-010719	Proposed Work Item for Release 6: Policy control enhancements for end-to-end QoS	SA WG2	7.2.3	Approval		Approved. SA WG2 to provide update at SA#15
SP-010720	Proposed updates to the LCS REL5	SA WG2	7.2.3	Approval		Approved
SP-010721	Proposed Work Item for Unequal Error Protection for PS conversational multimedia services	SA WG2	7.2.3	Approval		Approved
SP-010722	Future Evolution Workshop Minutes	Workshop Secretary (A Sultan)	5	Information		Noted
SP-010723	Main Conclusions of Future Evolution Workshop	Workshop Secretary (A Sultan)	5	Approval		Noted. (not for approval by TSG SA)
SP-010724	Executive summary of foreseen content of Release 5	MCC (A. Sultan)	8.8	Information		Noted. UE functionality split Feature should be moved into the main set of Rel-5 Features
SP-010725	Uplink TDOA location method in UMTS networks	TruePosition		Discussion	SP-010742	Revised in SP-010742
SP-010726	Uplink TDOA location method in UMTS networks WITHDRAWN	TruePosition		Presentation		WITHDRAWN
SP-010727	2 CRs to 33.200: Related to Protection Profiles (Rel-4)	SA WG3	7.3.3	Approval		Approved
SP-010728	1 CR to 33.200: Use of 'Original component identifier' during MAPsec processing (Rel-4)	SA WG3	7.3.3	Approval		Approved
SP-010729	1 CR to 33.200: Policy configuration clarification (Rel-4)	SA WG3	7.3.3	Approval		Approved
SP-010730	Liaison statement on Protocol Specification of the Ze-interface	TSG CN	8.1.2	Action		Noted. Likely to be delayed in CN for Rel-6
SP-010731	Liaison Statement on removal of the non-progressed Rel-5/CAMEL4 functionalities	TSG CN	8.1.2	Information		Noted
SP-010732	Report from TSG T meeting #14 to TSG SA #14	TSG T Chairman	8.3.1	Presentation		Noted
SP-010733	TS 22.233 v1.0.0 on Transparent End-to-End Packet-switched Streaming Service	SA WG1	7.1.3	Information		Noted
SP-010734	Report from TSG GERAN to TSG SA #14	TSG GERAN Chairman	8.4.1	Information		Noted
SP-010735	LS on Updating procedure of RAB definitions in TS 34.108	TSG RAN	8.2.2	Information		Noted
SP-010736	LS from TSG RAN on MBMS	TSG RAN	8.2.2	Information		Noted
SP-010737	Report from TSG CN to TSG SA #14	TSG CN	8.1.1	Information		Noted
SP-010738	Presentation slides of TSG CN Report	TSG CN	8.1.1	Presentation		Noted
SP-010739	Proposed WID: Service Requirements for network sharing	One to One		Approval		(Not agreed in SA WG1). WID approved. It was also noted that the linked WI references are intended to be associated with IuFlex.
SP-010740	Proposed CR to 22.011: Interaction between ePLMN and manual mode	One to One		Approval	SP-010746	(Not agreed in SA WG1). Revised in SP-010746
SP-010741	Consistency of Releases: Removal of AMR WB (Rel-5) References in Rel-4	Siemens	7.4.3	Discussion		The inconsistency was noted. SA WG4 to come back at SA#15 meeting with a proposal for resolution of the problem
SP-010742	Uplink TDOA location method in UMTS networks	TruePosition		Discussion		TSG SA concurred with the position of TSG RAN to complete existing work
SP-010743	3GPP-IETF Status Report	3GPP-IETF Rapporteur	6.3	Presentation		Noted.
SP-010744	CR to 22.140 WITHDRAWN	One to One		Approval		WITHDRAWN - Equivalent to SP-010748

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-010745	MCC review of the Work Plan	MCC (A Sultan)		Presentation	SP-010763	Reviewed and revised in SP-010763
SP-010746	Revised Proposed CR to 22.011 – Rel99 and Rel4	.,One 2 One Personal Communications Limited, mmO2	7.1.3	Approval	SP-010757	Revised in SP-010757
SP-010747	Report from TSG RAN to TSG SA #14	TSG RAN Chairman		Information		Noted
SP-010748	Proposed CR to 22.140: Minimum set of functionality for the support of a Network Based repository (Rel-4)	Openwave Systems	7.1.3	Approval		Approved (22.140 CR009)
SP-010749	3GPP IETF Dependencies and Priorities	TSG CN Chairman	6.3	Discussion		Noted. TSG SA asked Members to contribute to the work of the IETF in order to resolve the critical areas.
SP-010750	Report of SA WG3 activities since SA#13	SA WG3 Chairman	7.3.1	Presentation		Noted
SP-010751	IP Core Network Harmonization	TSG CN Chairman				Discussed - reply in SP-010764
SP-010752	WITHDRAWN (Allocated in Error)					WITHDRAWN
SP-010753	CR to 21.102: "Correction to list of specs"	J. Meredith, MCC	8.6	Approval		Approved
SP-010754	CR to 41.102: "GSM Release 4 Specifications"	J. Meredith, MCC	8.6	Approval		Approved
SP-010755	3GPP Calendar of meetings	MCC (A Scrase)	12	Information		Noted
SP-010756	MCC Report of activities to TSG SA #14	MCC (A. Scrase)	10	Presentation		Noted
SP-010757	Revised Proposed CR to 22.011 – Rel99 and Rel4	.,One 2 One Personal Communications Limited, mmO2	7.1.3	Approval		CRs (Rel-4 and Rel-5) were approved. Affected areas on the CR cover sheets should have been "ME" instead of "(U)SIM
SP-010758	WID on Trace Management	T-Mobil, Nokia	7.5.3	Approval		Approved. SA WG5 asked to revise this to include the impacts on Relevant (UT)RAN, GERAN and CN aspects, for SA#15
SP-010759	Smooth Introduction of Release 99	Alcatel, Ericsson, Lucent, Motorola, Nokia, Nortel Network, T-Mobil, Qualcomm	13	Information		Noted
SP-010760	1 CR to 33.102: Configurability of cipher use (Rel-5 only)	Vodafone	7.3.3	Approval		Referred back to SA WG3 for clarification of mechanism
SP-010761	Report for Adhoc Meeting on OHG proposed “3GPP/3GPP2 Joint Workshop on IP Core Network Harmonization”	TSG SA vice chairman	8.5	Information		Noted (see SP-010762)
SP-010762	OHG Correspondence of “3GPP/3GPP2 Joint Workshop on IP Core Network Harmonization”	TSG SA vice chairman	8.5	Approval	SP-010764	Revised in SP-010764
SP-010763	Updated MCC review of the Work Plan after presentation	MCC (A Sultan)		Presentation		Noted
SP-010764	OHG Correspondence of “3GPP/3GPP2 Joint Workshop on IP Core Network Harmonization”	TSG SA vice chairman	8.5	Approval		Approved

Annex C: List of attendees and TSG SA Voting List

C.1 List of Attendees

Name	Represented Company	e-mail address	Mobile Telephone	Telephone	Facsimile	3GPP Status		Cty
Mr. Ramin Afchar	CETECOM GmbH	ramin.afchar@cetecom.de	+49 1722423340	+49 2054 9519 977	+49 2054 9519 86	3GPPMEMBER	ETSI	DE
Mr. Andrew Allen	dynamicsoft Inc.	aallen@dynamicsoft.com		+1 972 473 5507		3GPPMEMBER	T1	US
Mr. Niels Peter Skov Andersen	MOTOROLA A/S	npa001@email.mot.com	+45 4018 4793	+45 43 48 81 10	+45 43 48 80 01	3GPPMEMBER	ETSI	DK
Dr. Vaidhyanathan Arunachalam	Conexant Systems, Inc.	arun.arunachalam@conexant.com		+1 949-483-9601	+ 1 949-483-6866	3GPPMEMBER	T1	US
Mr. Daniel Ashitey	TruePosition Inc.	dashitey@trueposition.com		+1-610-680-2154	+1-610-680-1199	3GPPMEMBER	T1	US
Mr. Asthana Atul	RIM					3GPPMEMBER	ETSI	CA
Mr. David Barnes	DTI	dbarnes3@compuserve.com	+44 77 85 316 985	+44 1634 570 244	+44 1634 572 360	3GPPMEMBER	ETSI	GB
Mr. Rob Bennink	KPN NV	r.bennink@kpn.com		+31 70 343 7105	+31 70 343 7237	3GPPMEMBER	ETSI	NL
Mr. Walter Bindrim	Materna GmbH	walter.bindrim@materna.de		+49 231 5599-584	+49 231 5599-67 584	3GPPMEMBER	ETSI	DE
Mr. David Boswarthick	ETSI Secretariat	david.boswarthick@etsi.fr	+33(0)6 74 40 83 67	+33 4 92 94 42 78	+33 4 92 38 52 49	3GPPORG_REP	ETSI	FR
Dr. Gunilla Bratt	ERICSSON L.M.	gunilla.bratt@emp.ericsson.se		+46 46 193 729	+46 46 193 216	3GPPMEMBER	ETSI	SE
Mr. Richard Brook	SAMSUNG Electronics	richardbrook39@aol.com	+44 7776 181555	+44 1594 836646	+44 1594 836646	3GPPMEMBER	ETSI	GB
Mr. Quentin Cassen	Conexant Systems, Inc.	quent.cassen@conexant.com	+1 714 606 7433	+1 949 483 4177	+1-240-414-7608	3GPPMEMBER	T1	US
Mr. Mark Cataldo	Openwave Systems (N.I.) Ltd	mark.cataldo@openwave.com		+44 1635 277500	+44 1635 277599	3GPPMEMBER	ETSI	GB
Mr. Colin Chandler	QUALCOMM EUROPE S.A.R.L.	colinc@qualcomm.com	+33 6 19 05 77 53	+33 4 93 700 500	+33 4 93 70 19 53	3GPPMEMBER	ETSI	FR
Mr. Takeshi Chikazawa	Mitsubishi Electric Co.	chika@isl.melco.co.jp		+81 467 41 2181	+81 467 41 2185	3GPPMEMBER	ARIB	JP
Mr. Wooyong Choi	SK Telecom	wychoi@sktelecom.com		+82-11-293-4561	+82-31-710-5299	3GPPMEMBER	TTA	KR
Mr. François Courau	ALCATEL S.A.	francois.courau@alcatel.fr	+33 608 82 20 22	+33 6 08 82 20 22	+33 1 30 77 94 30	3GPPMEMBER	ETSI	FR
Mr. Alan Cox	VODAFONE Group Plc	alan.cox@vodafone.com	+44 77 85 200 147	+44 1635 673 332	+44 1635 676 147	3GPPMEMBER	ETSI	GB
Dr. Elizabeth Daniel	Lucent Technologies N. S. UK	lizdaniel@lucent.com	+44 77 70 682 461	+44 1793 883412	+44 1793 883815	3GPPMEMBER	ETSI	GB
Mr. Jean-Jacques Davidian	NTT DoCoMo Inc.	davidian@docomo.fr		+33 1 5688 3030	+33 1 5688 3045	3GPPMEMBER	TTC	JP
Mr. Philip Davidson	BT Group Plc	phil.davidson@bt.com		+44 1977 593 288	+44 1977 593 289	3GPPMEMBER	ETSI	GB
Mr. Harald Dettner	SIEMENS AG	harald.dettner@icn.siemens.de	+49 171 3340 784	+49 6621 169 169	+49 6621 169 122	3GPPMEMBER	ETSI	DE
Mr. Ian Doig	MOTOROLA S.A.	ian.doig@motorola.com	+33 6 11 16 88 06	+33 4 92 94 48 64	+33 4 93 95 80 52	3GPPMEMBER	ETSI	FR
Dr. Ulrich Dropmann	SIEMENS AG	ulrich.dropmann@icn.siemens.de	+49 173 358 6241	+49 89 722 38458	+49 89 722 21882	3GPPMEMBER	ETSI	DE
Mr. Ed Ehrlich	Nokia Telecommunications Inc.	ed.ehrlich@nokia.com	+1 214 707 0812	+1 972 894 4495	+1 972 894 5525	3GPPMEMBER	T1	US
Mr. Jan Ellsberger	ERICSSON L.M.	jan.ellsberger@era.ericsson.se		+46 8 508 77965	+46 8 404 5769	3GPPMEMBER	ETSI	SE
Mr. Eisuke Fukuda	Fujitsu Limited	efukuda@jp.fujitsu.com		+81 44 754 4142	+81 44 754 4186	3GPPMEMBER	ARIB	JP
Mr. Jeremy Fuller	NORTEL NETWORKS (EUROPE)	jfuller@nortelnetworks.com		+44 1628 434 679	+44 1628 434 034	3GPPMEMBER	ETSI	GB
Mr. James Garrahan	Telcordia Technologies Inc.	jgarraha@telcordia.com		+1 732 758 5227	+1 732 758 4450	3GPPMEMBER	T1	US
Mr. Marc Grant	Cingular Wireless LLC	marc.grant@trimail.cingular.com	+1 925 640 3477	+1 512 372 5834	+1 512 241 5834	3GPPMEMBER	T1	US
Mr. Harri Halminen	NOKIA Corporation	harri.halminen@nokia.com		+358 505572260	+358 718048359	3GPPMEMBER	ETSI	FI
Mr. Koichi Harada	NTT DoCoMo Inc.	haradakou@nttdocomo.co.jp		+81 3 5156 1786	+81 3 5156 0250	3GPPMEMBER	TTC	JP

Name	Represented Company	e-mail address	Mobile Telephone	Telephone	Facsimile	3GPP Status		Cty
Miss Terumi HASHIMOTO	TTC	hashimoto@ttc.or.jp		+81-3-3432-1551	+81-3-3432-1553	3GPPORG_REP	TTC	JP
Mr. Hans Hauser	Deutsche Telekom MobilNet	hans.hauser@t-mobil.de	+ 49 171 549 03 99	+49 228 936 1200	+49 228 936 1145	3GPPMEMBER	ETSI	DE
Mr. Stephen Hayes	Ericsson Inc.	stephen.hayes@ericsson.com	+1 469 360 8500	+1 972 583 5773	+1 801 409 6319	3GPPMEMBER	T1	US
Mr. Frédéric Heurtaux	SAGEM Group	frederic.heurtaux@sagem.com		+33 1 30 73 71 89	+33 1 34 22 11 13	3GPPMEMBER	ETSI	FR
Mr. Yukio Hiramatsu	NTT	hiramatsu@isis.isl.ntt.co.jp	+81 705 137 8536	+81 422 59 3021		3GPPMEMBER	TTC	JP
Mr. Kevin Holley	mmO2 plc	kevin.holley@o2.com	+44 7802 220811	+44 1473 605604	+44 1473 619027	3GPPMEMBER	ETSI	GB
Mr. Andrew Howell	MOTOROLA GmbH	andrew.howell@motorola.com	+44 77 85 363 850	+44 1256 790 170	+44 1256 790 190	3GPPMEMBER	ETSI	DE
Mr. Eric Huberlant	ORANGE FRANCE	eric.huberlant@francetelecom.com		+33 1 55 22 23 10	+33 1 55 22 26 24	3GPPMEMBER	ETSI	FR
Mrs. Karen Hughes	ETSI Secretariat	karen.hughes@etsi.fr		+33 4 92 94 43 53	+33 4 92 38 49 25	3GPPORG_REP	ETSI	FR
Mr. Jang Hur	Samsung Electronics Co., Ltd	janghur@samsung.com		+32-31-280-9601	+32-31-280-1660	3GPPMEMBER	TTA	KR
Ms. Eiko Iryo	ARIB	iryo@arib.or.jp		+81 3 5510 8593	+81 3 3592 1103	3GPPORG_REP	ARIB	JP
Mr. Yoshihide Ishida	ARIB	ishida@arib.or.jp		+813 5510 8594	+813 3592 1103	3GPPORG_REP	ARIB	JP
Mr. Edouard Issenmann	ALCATEL S.A.	edouard.issenmann@alcatel.fr		+33 1 30 77 93 01	+33 1 30 77 0369	3GPPMEMBER	ETSI	FR
Mr. Kari Järvinen	NOKIA Corporation	kari.ju.jarvinen@nokia.com	+358 50 555 0999	+358 3272 5854	+358 3272 5888	3GPPMEMBER	ETSI	FI
Mr. Gary Jones	VoiceStream Wireless Corp.	gary.jones@voicestream.com	+1 201486 0949	+1 202.654.5950	+1 202 654 5963	3GPPMEMBER	ETSI	US
Mr. Hee-Young Jung	ETRI	hyjung@pec.etri.re.kr		+82 42 860 4928	+82 42 861 5404	3GPPMEMBER	TTA	KR
Mr. Radivoj Kar	MITSUBISHI Electric Telecom	rkar@compuserve.com	+33 6 07 67 52 52	+33 1 55 68 56 60	+33 1 55 68 57 41	3GPPMEMBER	ETSI	FR
Mr. Mike Karimian	Matsushita Mobile Com.					3GPPMEMBER	T1	US
Mr. Yukio Kawanami	NEC Corporation	kawanami@cj.jp.nec.com		+81471857158	+81471856890	3GPPMEMBER	TTC	JP
Mr. Hori Kazumasa	NTT DoCoMo Inc.	hori@nw.yrp.nttdocomo.co.jp				3GPPMEMBER	TTC	JP
Mr. Takashi Kitsui	NTT DoCoMo Inc.	kitsui@nttdocomo.co.jp		+81 3 5563 9886	+81 3 5563 9898	3GPPMEMBER	ARIB	JP
Mr. Hiroshi Komatsu	J-Phone Communications Co.Ltd.	hiroshi.komatsu@j-phone.com		+81 34288 2291	+81 355 408485	3GPPMEMBER	ARIB	JP
Ms. Susanna Kooistra	ETSI Secretariat	susanna.kooistra@etsi.fr		+33 4 92 94 49 35	+33 4 92 38 52 83	3GPPORG_REP	ETSI	FR
Mr. Hong-seok Lee	LG Electronics Inc.	kamalee@lgic.co.kr		+82 343 450 2949	+82 343 450 2944	3GPPMEMBER	TTA	KR
Mr. Hyeon Woo Lee	Samsung Electronics Co., Ltd	woojaa@samsung.com		+82 31 779 6613	+82 31 779 8003	3GPPMEMBER	TTA	KR
Ms. Ileana Leuca	AT&T Wireless Services, Inc.	ileana.leuca@attws.com		+1-425-580-7900	+1-425-580-6811	3GPPMEMBER	T1	US
Mr. Zohar Levkovitz	Comverse Network Systems	zohar_levkovitz@icomverse.com		+972-3-766 9289	+972-3-766 3367	3GPPMEMBER	ETSI	NL
Mr. Neil Lilly	Lucent Technologies N. S. UK	nlilly@lucent.com	+44 797 491 9632	+44 1793 776185	+44 1793 883244	3GPPMEMBER	ETSI	GB
Dr. Bengt-Ake Lindholm	TELIA AB	bengt-ake.i.lindholm@telia.se	+46 70 655 52 66	+46 8 713 81 24	+46 8 713 81 49	3GPPMEMBER	ETSI	SE
Dr. Hashem Madadi	Hutchison 3G UK Limited	hmadadi@attglobal.net	+44 777 332 9576	+44.1628.765.000	+44.1628.765.001	3GPPMEMBER	ETSI	GB
Mr. Yutaka Maeda	ARIB	maeda@arib.or.jp		+81 3 5510 8594	+81 3 5921 1103	3GPPORG_REP	ARIB	JP
Miss Luisa Marchetto	AT&T Corp.	luisa.marchetto@attws.com		+425.580.6840		3GPPMEMBER	T1	US
Mr. Kari Marttinen	SONERA Corporation	kari.marttinen@sonera.com	+358400400068	+358204066816	+358420400068	3GPPMEMBER	ETSI	FI
Mr. Noritaka Matsuura	NEC Corporation	n-matsuura@cq.jp.nec.com		+81-471-85-6738	+81471-85-6841	3GPPMEMBER	ARIB	JP
Mr. Steve Mecrow	mmO2 plc	steve.mecrow@o2.com	+44 7710 028 511	+44 1 394 380694	+44 1 977 593823	3GPPMEMBER	ETSI	GB
Mr. Horst Mennenga	BMWi	horst.mennenga@regtp.de		+49 6131 18 22 20	+49 6131 18 5613	3GPPMEMBER	ETSI	DE
Mr. John M Meredith	ETSI Secretariat	john.meredith@etsi.fr	+33 (0)6 10 42 03 76	+33 4 92 94 42 37	+33 (0)4 92 38 52 37	3GPPORG_REP	ETSI	FR
Mr. Jürgen Merkel	SIEMENS AG	juergen.merkel@icn.siemens.de		+49 89 722 59596	+49 89 722 21882	3GPPMEMBER	ETSI	DE
Mr. Hiroshi Nakamura	NTT DoCoMo Inc.	naka@nw.yrp.nttdocomo.co.jp		+81 468 40 3332	+81 468 40 3781	3GPPMEMBER	TTC	JP
Ms. Antonella Napolitano	BLU S.p.a	antonella.napolitano@mail.blu.it		+39 06 59449466	+39 06 59449 521	3GPPMEMBER	ETSI	IT
Mr. Akishige Noda	Fujitsu Limited	aki.noda@jp.fujitsu.com		+81 44 75 44 198	+81 44 75 44 147	3GPPMEMBER	TTC	JP
Mr. Toshikane Oda	Nippon Ericsson K.K.	toshikane.oda@nrj.ericsson.se				3GPPMEMBER	TTC	JP
Mr. Akiyoshi Ogawa	J-Phone Communications Co.Ltd.	ogawa@j-phone.com		+81 3 4288 2291	+81 3 4288 2342	3GPPMEMBER	ARIB	JP
Mr. Stig Ouvrier	TELIA AB	stig.g.ouvrier@telia.se	+46 70 5900 354	+46 70 5900354	+46 8 601 7268	3GPPMEMBER	ETSI	SE
Mr. Vinod Pandey	Cisco Systems Inc.	vpandey@cisco.com		+1 408 853 9596	+1 408 853 0406	3GPPMEMBER	T1	US

Name	Represented Company	e-mail address	Mobile Telephone	Telephone	Facsimile	3GPP Status		Cty
Mr. Ian David Chalmers Park	VODAFONE Group Plc	ian.park@vf.vodafone.co.uk	+44 7785 300 290	+44 1635 673 527	+44 1635 233 562	3GPPMEMBER	ETSI	GB
Dr. Sang-Keun Park	Samsung Electronics Co., Ltd	skpark@samsung.com	+82-11-349-6535	+82-31-280-9835	+82-31-280-1660	3GPPMEMBER	TTA	KR
Mr. Hannu Pirila	NOKIA Corporation	hannu.i.pirila@nokia.com		+358 10 505 4536	+358 10 505 4770	3GPPMEMBER	ETSI	FI
Mr. Maurice Pope	ETSI Secretariat	maurice.pope@etsi.fr	+33 (0)6 07 59 08 49	+33 4 92 94 42 59	+33 4 92 38 52 59	3GPPORG_REP	ETSI	FR
Mr. Mikko Puuskari	NOKIA Corporation	mikko.puuskari@nokia.com	+358 40 528 8283	+358 50 483 7326	+358 9 4376 6850	3GPPMEMBER	ETSI	FI
Mr. Magnus Qvarnström	SWISSCOM	magnus.qvarnstroem@swisscom.com		+41 31 342 1111	+41 31 892 36 62	3GPPMEMBER	ETSI	CH
Mr. Johannes Rainer	Telekom Austria AG	johannes.rainer@jet2web.com		+43 1 797 112 011	+43 1 797 112 264	3GPPMEMBER	ETSI	AT
Mr. Jean Gabriel Remy	CEGETEL	jean-gabriel.remy@cegetel.fr	+33 60 97 11 199	+33 6 09 71 11 99		3GPPMEMBER	ETSI	FR
Mr. Thomas Richter	Cingular Wireless LLC	thomas.richter@cingular.com		+1 404 236 5902	+1 404 236 5949	3GPPMEMBER	T1	US
Mr. Rhys Robinson	TruePosition Inc.	rrobinson@trueposition.com		+1 610-680-2119	+1 610-680-1199	3GPPMEMBER	T1	US
Mr. Chang-Ho Ryoo	Ericsson Korea	changho.ryoo@ericsson.se	+82 11 739 2701	+82 2 397 2783	+82 2 736 2765	3GPPMEMBER	TTA	KR
Mr. Chris Sachno	NTT DoCoMo Inc.	c.masyu@nttdocomo.co.jp		+81 3 5156 1786	+81 3 5156 0250	3GPPMEMBER	ARIB	JP
Mr. Hiroshi Saito	Matsushita Communication					3GPPMEMBER	ARIB	JP
Mr. Nick Sampson	ORANGE PCS LTD	nick.sampson@orange.co.uk	+44 7973 963 519	+44 7973 963519	+44 7973 987883	3GPPMEMBER	ETSI	GB
Mr. Michael Sanders	ETSI Secretariat	michael.sanders@etsi.fr		+33 4 92 94 42 90	+33 4 92 38 52 72	3GPPORG_REP	ETSI	FR
Mr. Kazuyoshi Sato	Mitsubishi Electric Co.	ka.sato@cew.melco.co.jp		+81 6 6495 6495	+81 6 6495 5266	3GPPMEMBER	ARIB	JP
Mr. Koichiro Sawai	NTT DoCoMo Inc.	sawai@serdev.nttdocomo.co.jp		+81 3 5563 7328	+81 3 5563 9898	3GPPMEMBER	ARIB	JP
Mr. Enrico Scarrone	TELECOM ITALIA S.p.A.	enrico.scarrone@cselt.it		+39 011 228 7084	+39 011 228 5520	3GPPMEMBER	ETSI	IT
Mr. Matthias Schroeter	Deutsche Telekom MobilNet	matthias.schroeter@t-mobil.de		+49 228 936 7120	+49 228 936 7129	3GPPMEMBER	ETSI	DE
Mr. Adrian Scrase	ETSI Secretariat	adrian.scrase@etsi.fr	06 07 590 851	+33 4 92 94 42 54	+33 4 92 38 52 54	3GPPORG_REP	ETSI	FR
Mr. Jerry Shih	CommWorks Corporation	jerry_shih@3com.com		+1 847 262 3067	+1 847 342 6363	3GPPMEMBER	ETSI	US
Mr. Toshihiro Shimizu	NTT DoCoMo Inc.	toshi.shimizu@mci.co.uk	+44 0385 360 135	+44 16 35 871 466	+44 16 35 871 345	3GPPMEMBER	ARIB	JP
Mr. Prem Sood	SHARP Corporation	pls@sharplabs.com		+1 360 834 8708	+1 360 834 8696	3GPPMEMBER	ARIB	JP
Mr. Alain Sultan	ETSI Secretariat	alain.sultan@etsi.fr	+33 6 80 08 94 59	+33 4 92 94 42 71	+33 4 92 38 52 98	3GPPORG_REP	ETSI	FR
Mr. Jonas Sundborg	Nippon Ericsson K.K.	jonas.sundborg@era.ericsson.se	+46 70 674 8035	+46 8 404 8035	+46 8 5087 7300	3GPPMEMBER	TTC	JP
Mr. Denis Susko	CETECOM GmbH	denis.susko@cetecom.de		+49 2054 9519947	+49 2054 951913	3GPPMEMBER	ETSI	DE
Mr. Kunihiko Taya	NEC Corporation	taya@bk.jp.nec.com		+81-3-3798-6560	+81-3-3798-4626	3GPPMEMBER	TTC	JP
Mr. Kazuhiko Terashima	SONY Corporation	tera@wtlab.sony.co.jp		+81 3 5782 5199	+81 3 5782 5213	3GPPMEMBER	ARIB	JP
Mr. Armin Toepfer	MANNESMANN Mobilfunk GmbH	armin.toepfer@d2vodafone.de	+49 172 2100 748	+49 211 533 2838	+49 211 533 2804	3GPPMEMBER	ETSI	DE
Mr. Nobuyuki Uda	NTT Communication Ware Corp.	uda.nobuyuki@nttcom.co.jp		+81 43 211 2708	+81 43 211 5161	3GPPMEMBER	TTC	JP
Mr. Paolino Usai	ETSI Secretariat	paolo.usai@etsi.fr	+39 335 387 164	+33 4 92 94 42 36	+33 4 92 38 52 06	3GPPORG_REP	ETSI	FR
Mr. Hans van der Veen	ETSI Secretariat	hans.vanderveen@etsi.fr	+31 6 5519 6615	+33 4 92 94 42 61	+33 4 92 38 49 46	3GPPORG_REP	ETSI	FR
Mr. Dirk Verbeek	SIEMENS ATEA NV	dirk.verbeek@siemens.atea.be		+32 14 25 2943	+32 14 25 3212	3GPPMEMBER	ETSI	BE
Mr. Moto Wakaki	J-Phone Communications Co.Ltd.	wakaki@j-phone.com		+81 3 4288 2291	+81 3 4288 2342	3GPPMEMBER	ARIB	JP
Mr. Christopher Wallace	Nokia Telecommunications Inc.	chris.wallace@ntc.nokia.com	+19 17 98 05 525	+19 72 894 4947	+19 72 894 5525	3GPPMEMBER	T1	US
Miss Jie Wang	HuaWei Technologies Co., Ltd	jie_wang@huawei.com		+86 755 6532419	+86 755 6532418	3GPPMEMBER	CWTS	CN
Ms. Jingyu Wang	CWTS	wangjy@catt.ac.cn		+86 10 62304422-206	+86 10 62303127	3GPPORG_REP	CWTS	CN
Mrs. Wei (Victoria) Wang	ERICSSON L.M.	victoria.wang@etc.ericsson.se		+861065615566 10393	+861065611824	3GPPMEMBER	ETSI	SE
Mr. Kunio Watanabe	Fujitsu Limited	kunio.watanabe@jp.fujitsu.com		+81 44 754 3018	+81 44 754 3322	3GPPMEMBER	ARIB	JP
Mr. Thomas Wiebke	PANASONIC Deutschland GmbH	wiebke@panasonic.de		+49 61 03 766 161	+49 6103 766 166	3GPPMEMBER	ETSI	DE
Dr. David Hugh Williams	QUALCOMM EUROPE S.A.R.L.	dwilliams@qualcomm.com	+33 6 12 98 69 35	+33 4 92 38 82 33	+33 492 38 82 30	3GPPMEMBER	ETSI	FR
Mr. Mick Wilson	FUJITSU Laboratories of Europe	m.wilson@fujitsu.co.uk		+44 20 8606 4801	+44 20 8573 3602	3GPPMEMBER	ETSI	GB
Mr. Randolph Wohlert	SBC Communications Inc.	rwohlert@tri.sbc.com		+1 512 372 5838	+1 512 372 5891	3GPPMEMBER	T1	US
Mr. Yukio Yoshimura	NEC Corporation	y-yoshimura@ax.jp.nec.com		+81-3-3798-4743	+81-3-3798-9967	3GPPMEMBER	ARIB	JP

Name	Represented Company	e-mail address	Mobile Telephone	Telephone	Facsimile	3GPP Status		Cty
Mr. Albert Yuhan	VoiceStream Wireless Corp.	albert.yuhan@voicestream.com	+1 201 233 2203	+1 973 290 2665	+1 973 290 2575	3GPPMEMBER	T1	US
Mr. Donald E. Zelmer	Cingular Wireless LLC	don.zelmer@cingular.com	+1 704 737 9950	+1 404 236 5912	+1 404 236 5968	3GPPMEMBER	T1	US

C.2 List of eligible Voting members for TSG SA#14

The attached list is dependent upon the information in C.1 and Individual Member companies who are recorded as attending TSG SA Meetings #12 or #11 (representation of an Individual Member at any of TSG SA Meetings #11, #12 or #13).

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

List Created on: 16 Jan 2002

This report shows the 3GPP Member Companies on the Voting List for **TSG SA Meeting #14**
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	Country
Agere Systems Deutschland GmbH & Co. KG.	3GPPMEMBER - ETSI	DE
AirNet Communications Corp.	3GPPMEMBER - ETSI	US
Airslide Systems Inc.	3GPPMEMBER - ETSI	IL
ALCATEL France	3GPPMEMBER - ETSI	FR
ALCATEL Italia SpA	3GPPMEMBER - ETSI	IT
ALCATEL S.A.	3GPPMEMBER - ETSI	FR
AT&T Corp.	3GPPMEMBER - T1	US
AT&T Wireless Services, Inc.	3GPPMEMBER - T1	US
AWARD Solutions Inc. A.S.I.	3GPPMEMBER - ETSI	US
Bamboo MediaCasting	3GPPMEMBER - ETSI	IL
BLU S.p.a	3GPPMEMBER - ETSI	IT
BUNDESMINISTERIUM FUR WIRTSCHAFT	3GPPMEMBER - ETSI	DE
BOUYGUES Telecom	3GPPMEMBER - ETSI	FR
BT Group Plc	3GPPMEMBER - ETSI	GB
CATT	3GPPMEMBER - CWTS	CN
CEGETEL	3GPPMEMBER - ETSI	FR
Celltick Technologies Inc.	3GPPMEMBER - ETSI	IL
CETECOM GmbH - Certification and Testing in Communications	3GPPMEMBER - ETSI	DE
China Mobile Company Corporation (CMCC)	3GPPMEMBER - CWTS	CN
Cingular Wireless LLC	3GPPMEMBER - T1	US
Cisco Systems Inc.	3GPPMEMBER - T1	US
CommWorks Corporation, a 3Com Company	3GPPMEMBER - ETSI	US
Comverse Network Systems (CNS) Europe B.V.	3GPPMEMBER - ETSI	NL
Conexant Systems, Inc.	3GPPMEMBER - T1	US
Dansk MobilTelefon I/S	3GPPMEMBER - ETSI	DK
Deutsche Telekom MobilNet GmbH	3GPPMEMBER - ETSI	DE
DoCoMo Europe S.A.	3GPPMEMBER - ETSI	FR
Dolby Laboratories Inc.	3GPPMEMBER - ETSI	GB
DTI - Department of Trade and Industry	3GPPMEMBER - ETSI	GB
dynamicsoft Inc.	3GPPMEMBER - T1	US
Ericsson Incorporated	3GPPMEMBER - T1	US
Ericsson Korea	3GPPMEMBER - TTA	KR
Telefon AB LM Ericsson	3GPPMEMBER - ETSI	SE
Electronics & Telecommunications Research Institute	3GPPMEMBER - TTA	KR
FEEI - Fachverband der Elektro- und Elektronikindustrie Bereich Technik	3GPPMEMBER - ETSI	AT
France Telecom	3GPPMEMBER - ETSI	FR
FUJITSU Laboratories of Europe Limited	3GPPMEMBER - ETSI	GB
Fujitsu Limited	3GPPMEMBER - ARIB	JP
Fujitsu Limited	3GPPMEMBER - TTC	JP
GIESECKE & DEVRIENT GmbH	3GPPMEMBER - ETSI	DE
Golden Bridge Technology Inc.	3GPPMEMBER - T1	US
HuaWei Technologies Co., Ltd	3GPPMEMBER - CWTS	CN
Hutchison 3G UK Limited	3GPPMEMBER - ETSI	GB
ICP - Instituto das Comunicacoes de Portugal	3GPPMEMBER - ETSI	PT
InterWAVE Communications International B.V.	3GPPMEMBER - ETSI	NL
	3GPPMEMBER - ARIB	JP
Kevab, The Base Station Company	3GPPMEMBER - ETSI	SE
Korea Telecom Freetel	3GPPMEMBER - TTA	KR
KPN - Koninklijke PTT Nederland NV	3GPPMEMBER - ETSI	NL

Organisation Name	Organisation Status	Country
LG Electronics Inc.	3GPPMEMBER - TTA	KR
Lucent Technologies	3GPPMEMBER - T1	US
Lucent Technologies Nederland B.V.	3GPPMEMBER - ETSI	NL
Lucent Technologies Japan Ltd.	3GPPMEMBER - TTC	JP
Lucent Technologies Network Systems UK	3GPPMEMBER - ETSI	GB
MANNESMANN Mobilfunk GmbH	3GPPMEMBER - ETSI	DE
MARCONI COMMUNICATIONS	3GPPMEMBER - ETSI	GB
Materna GmbH	3GPPMEMBER - ETSI	DE
Matsushita Communication Industrial Co, Ltd	3GPPMEMBER - ARIB	JP
MATSUSHITA COMMUNICATION INDUSTRIAL UK LTD	3GPPMEMBER - ETSI	GB
Matsushita Mobile Communication Development Corp.	3GPPMEMBER - T1	US
Megisto Systems Inc.	3GPPMEMBER - ETSI	US
MICROSOFT EUROPE SARL	3GPPMEMBER - ETSI	FR
ISTITUTO SUPERIORE DELLE COMUNICAZIONI E DELLE TECNOLOGIE DELL' INFORMAZIONE	3GPPMEMBER - ETSI	IT
Mitsubishi Electric Co.	3GPPMEMBER - ARIB	JP
MITSUBISHI Electric Telecom Europe S.A.	3GPPMEMBER - ETSI	FR
mmO2 plc	3GPPMEMBER - ETSI	GB
MOTOROLA A/S	3GPPMEMBER - ETSI	DK
MOTOROLA GmbH	3GPPMEMBER - ETSI	DE
Motorola Inc.	3GPPMEMBER - T1	US
MOTOROLA Ltd	3GPPMEMBER - ETSI	GB
MOTOROLA S.A.	3GPPMEMBER - ETSI	FR
MOTORAOLA SEMICONDUCTOR ISRAEL LTD	3GPPMEMBER - ETSI	IL
NEC Corporation	3GPPMEMBER - ARIB	JP
NEC Corporation	3GPPMEMBER - TTC	JP
Nippon Ericsson K.K.	3GPPMEMBER - TTC	JP
NOKIA Corporation	3GPPMEMBER - ETSI	FI
Nokia Telecommunications Inc.	3GPPMEMBER - T1	US
NOKIA UK Ltd	3GPPMEMBER - ETSI	GB
NORTEL NETWORKS (EUROPE)	3GPPMEMBER - ETSI	GB
Northstream AB	3GPPMEMBER - ETSI	SE
Nippon Telegraph and Telephone Corporation (NTT)	3GPPMEMBER - TTC	JP
NTT Communications Ware Corporation	3GPPMEMBER - TTC	JP
NTT DoCoMo Inc.	3GPPMEMBER - ETSI	JP
NTT DoCoMo Inc	3GPPMEMBER - TTC	JP
NTT DoCoMo Inc.	3GPPMEMBER - ARIB	JP
ÖFEG - Österreichische Fernmeldetechn. Entwicklungs- Förderungs Gesellschaft	3GPPMEMBER - ETSI	AT
OKI Electric Europe GmbH	3GPPMEMBER - ETSI	DE
OMNITEL Pronto Italia SpA	3GPPMEMBER - ETSI	IT
Openwave Systems (N.I.) Ltd	3GPPMEMBER - ETSI	GB
ORANGE FRANCE	3GPPMEMBER - ETSI	FR
ORANGE PCS LTD	3GPPMEMBER - ETSI	GB
OSKAR Cesky Mobil a.s.	3GPPMEMBER - ETSI	CZ
PANASONIC Deutschland GmbH c/o Matsushita European Technology Center (E-TEC)	3GPPMEMBER - ETSI	DE
PHILIPS CONSUMER COMMUNICATION	3GPPMEMBER - ETSI	FR
PORTUGAL TELECOM SGPS SA	3GPPMEMBER - ETSI	PT
Polska Telefonia Komorkowa CENTERTEL Sp.z.o.o.	3GPPMEMBER - ETSI	PL
QUALCOMM EUROPE S.A.R.L.	3GPPMEMBER - ETSI	FR
Research In Motion Limited	3GPPMEMBER - ETSI	CA
RITT	3GPPMEMBER - CWTS	CN
Rogers Wireless Inc.	3GPPMEMBER - T1	CA
SAGEM Group	3GPPMEMBER - ETSI	FR
SAMSUNG Electronics Research Institute	3GPPMEMBER - ETSI	GB
Samsung Electronics Ind. Co., Ltd.	3GPPMEMBER - TTA	KR
SBC Communications Inc.	3GPPMEMBER - T1	US
Secrétariat d'Etat à l'Industrie	3GPPMEMBER - ETSI	FR
SHANG HAI BELL	3GPPMEMBER - CWTS	CN
SHARP Corporation	3GPPMEMBER - ARIB	JP
SHARP Manufacturing France SA	3GPPMEMBER - ETSI	FR
SIEMENS AG	3GPPMEMBER - ETSI	DE
SIEMENS ATEA NV	3GPPMEMBER - ETSI	BE
SIEMENS Information and Communication Networks SpA	3GPPMEMBER - ETSI	IT
SK TELECOM	3GPPMEMBER - TTA	KR

Organisation Name	Organisation Status	Country
SONERA Corporation	3GPPMEMBER - ETSI	FI
SONY Corporation	3GPPMEMBER - ARIB	JP
SWISSCOM SA	3GPPMEMBER - ETSI	CH
TEKTRONIX GmbH & Co KG	3GPPMEMBER - ETSI	DE
Telcordia Technologies Inc.	3GPPMEMBER - T1	US
TELECOM ITALIA S.p.A.	3GPPMEMBER - ETSI	IT
TELEFONICA DE ESPAÑA SA	3GPPMEMBER - ETSI	ES
Telekom Austria Aktiengesellschaft	3GPPMEMBER - ETSI	AT
Telenor AS	3GPPMEMBER - ETSI	NO
TELIA AB	3GPPMEMBER - ETSI	SE
TruePosition Inc.	3GPPMEMBER - T1	US
Unisys Deutschland GmbH	3GPPMEMBER - ETSI	DE
VIP-NET GSM d.o.o.	3GPPMEMBER - ETSI	HR
VODAFONE Group Plc	3GPPMEMBER - ETSI	GB
VoiceStream Wireless Corporation	3GPPMEMBER - ETSI	US
VoiceStream Wireless Corporation	3GPPMEMBER - T1	US
Xfera Móviles, S.A.	3GPPMEMBER - ETSI	ES
Zhongxing Telecom Ltd.	3GPPMEMBER - CWTS	CN

Annex D: Status list of Specifications and Reports after TSG SA Meeting #14

D.1 Release 1999 GSM Specifications and reports

See also: http://www.3gpp.org/3G_Specs/3G_Specs.htm

Type	Number	Title	Ver at TSG#14	Rel	TSG/ WG	Editor	Comment
TR	01.00	Working Procedures for SMG	8.0.0	R99	SP	BERGMANN, Ansgar	
TS	01.01	GSM Release 1999 Specifications	8.4.0	R99	SP	MEREDITH, John M	
TR	01.04	Abbreviations and Acronyms	8.0.0	R99	GP	CLAYTON, Michael	
TR	01.31	Fraud Information Gathering System (FIGS); Service requirements; Stage 0	8.0.0	R99	S3	WRIGHT, Tim	
TR	01.33	Lawful Interception requirements for GSM	8.0.0	R99	S3	MCKIBBEN, Bernie	
TS	01.56	GSM Cordless Telephony System (CTS) (Phase 1); CTS Authentication and Key Generation Algorithms Requirements	8.0.0	R99	S1	MESSIET, Samira	
TS	01.61	General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements	8.0.0	R99	S3	WALKER, Michael	
TS	02.01	Principles of Telecommunication Services Supported by a GSM Public Land Mobile Network(PLMN)	8.2.1	R99	S1	KOKKOLA, Tommi	
TS	02.02	Bearer Services (BS) Supported by a GSM Public Land Mobile Network (PLMN)	8.0.0	R99	S1	CARPENTER, Paul	
TS	02.03	Teleservices Supported by a GSM Public Land Mobile Network (PLMN)	8.0.0	R99	S1	CONRAD, Alan	
TS	02.04	General on Supplementary Services	8.1.0	R99	S1	CARPENTER, Paul	
TS	02.07	Mobile Station (MS) Features	8.1.0	R99	S1	JEAL, David	
TS	02.09	Security Aspects	8.0.1	R99	S3	CHRISTOFFERSSON, Per	
TS	02.17	Subscriber Identity Modules, Functional Characteristics	8.0.0	R99	T3	HOOKER, Philip	
TS	02.19	Subscriber Identity Module Application Programming Interface (SIM API); Service description; Stage 1	8.0.0	R99	T3	DIETRICH, Christian	SMG9->T3@#31
TS	02.31	Fraud Information Gathering System (FIGS) Service description; Stage 1	8.0.1	R99	S3	WRIGHT, Tim	
TS	02.32	Immediate Service Termination (IST); Service description; Stage 1	8.0.1	R99	S3	WRIGHT, Tim	
TS	02.33	Lawful Interception; Stage 1	8.0.1	R99	S3	MCKIBBEN, Bernie	
TS	02.34	High Speed Circuit Switched Data (HSCSD); Stage 1	8.1.0	R99	S1	KOKKOLA, Tommi	
TS	02.38	SIM application toolkit (SAT); Stage 1	none	R99	S1	CARPENTER, Paul	Moved from T3 Jan-00.
TS	02.38	SIM application toolkit (SAT); Stage 1	none	R99	S1	CARPENTER, Paul	Moved from T3 Jan-00.
TS	02.38	SIM application toolkit (SAT); Stage 1	none	R99	S1	CARPENTER, Paul	Moved from T3 Jan-00.
TS	02.40	Procedures for Call Progress Indications	8.0.0	R99	S1	DWYER, Paul	
TS	02.42	Network Identity and Timezone (NITZ); Service Description, Stage 1	8.0.0	R99	S1	GILES, Les	
TS	02.43	Support of Localised Service Area (SoLSA); Service description; Stage 1	8.0.0	R99	S1	KOKKOLA, Tommi	

Type	Number	Title	Ver at TSG#14	Rel	TSG/ WG	Editor	Comment
TS	02.48	Security mechanisms for the SIM Application Toolkit; Stage 1	8.0.0	R99	T3	BARNES, Nigel	SMG9->T3@#31
TS	02.53	Tandem Free Operation (TFO); Service description; Stage 1	8.0.1	R99	S4	NAVARRO, William	SMG11->S4 at SMG#30
TS	02.56	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1	8.0.1	R99	S1	GALLIGO, Michel	
TS	02.57	Mobile Station Application Execution Environment (MExE) Service description Stage 1	8.0.0	R99	S1	CLAYTON, Michael	
TS	02.60	General Packet Radio Service Stage 1 Description	8.1.0	R99	S1	CARPENTER, Paul	
TS	02.68	Voice Group Call Service (VGCS); Stage 1	8.1.0	R99	S1	GILES, Les	
TS	02.69	Voice Broadcast Service (VBS); Stage 1	8.1.0	R99	S1	GILES, Les	
TS	02.76	Noise Suppression for the AMR	8.0.1	R99	S4	USAI, Paolino	
TS	02.78	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service definition (Stage 1)	8.0.0	R99	S1	GRECH, Michel	
TS	02.82	Call Forwarding (CF) Supplementary Services; Stage 1	8.0.0	R99	S1	EVEN, Anne	
TS	02.90	Stage 1 Decision of Unstructured Supplementary Service Data (USSD)	8.0.0	R99	S1	SLOTTE, Sverre	
TS	02.94	Follow Me Service description; Stage 1	8.0.0	R99	S1	CLAYTON, Michael	
TS	02.95	Support of Private Numbering Plan (SPNP); Service description; Stage 1	8.0.0	R99	S1	CLAYTON, Michael	
TS	03.01	Network Functions	8.0.0	R99	S2	GAASVIK, Per-Ola	SMG3->SA2 @ TSG#7
TR	03.05	Technical performance objectives	8.0.0	R99	NP	BOSWARTHICK, David	
TS	03.10	GSM Public Land Mobile Network (PLMN) Connection Types	8.3.0	R99	N3	BOSWARTHICK, David	
TS	03.13	Discontinuous Reception (DRX) in the GSM System	8.0.0	R99	G1	USAI, Paolino	
TS	03.19	GSM API for SIM toolkit stage 2	8.3.0	R99	T3	DIETRICH, Christian	SMG9->T3@#31
TS	03.20	Security-related Network Functions	8.1.0	R99	S3	NGUYEN NGOC, Sebastien	
TS	03.22	Functions related to Mobile Station (MS) in idle mode and group receive mode	8.5.0	R99	G1	ANDERSEN, Niels Peter Skov	Moved from SMG3 Jan 2000. Moved from G2 Mar 2001. 2001-07: title grows "and group receive mode".
TR	03.26	Multiband operation of GSM/DCS 1800 by a single operator	8.0.0	R99	G1	ANDERSEN, Niels Peter Skov	
TR	03.30	Radio Network Planning Aspects	8.3.0	R99	GP	TEGTH, Ulf	
TS	03.31	Fraud Information Gathering System (FIGS); Service description; Stage 2	8.0.0	R99	S3	WRIGHT, Tim	2001-09-03: S3 secretary reports that this spec is not mature enough for official publication. Work continues in 43.031.
TS	03.33	Lawful Interception; Stage 2	8.1.0	R99	S3	MCKIBBEN, Bernie	
TS	03.35	Immediate Service Termination (IST); Stage 2	8.1.0	R99	S3	WRIGHT, Tim	
TR	03.43	Support of Videotex	8.0.0	R99	T2	DI TRIA, Paolo	
TR	03.44	Support of Teletex in a GSM Public Land Mobile Network (PLMN)	8.0.0	R99	T2	RODERMUND, Friedhelm	
TS	03.45	Technical Realization of Facsimile Group 3 Service - transparent	8.0.1	R99	N3	BOSWARTHICK, David	
TS	03.46	Technical Realization of Facsimile Group 3 Service - non transparent	8.0.1	R99	N3	BOSWARTHICK, David	
TR	03.47	Example Protocol Stacks for Interconnecting Service Centre(s) (SC) and Mobile Services Switching Centre(s) (MSC)	8.0.0	R99	T2	RODERMUND, Friedhelm	
TS	03.48	Security mechanisms for SIM application toolkit; Stage 2	8.8.0	R99	T3	BARNES, Nigel	SMG9->T3@#31
TR	03.49	Example protocol stacks for interconnecting Cell Broadcast Centre (CBC) and Base Station Controler (BSC)	8.0.0	R99	T2	RODERMUND, Friedhelm	

Type	Number	Title	Ver at TSG#14	Rel	TSG/ WG	Editor	Comment
TS	03.50	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	8.1.1	R99	S4	USAI, Paolino	
TS	03.52	Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2	8.0.1	R99	G1	GIRAUD, Alexis	
TS	03.53	Tandem Free Operation (TFO); Service description; Stage 2	8.0.0	R99	S4	FAUCONNIER, Denis	Mar00: prime responsibility txfrd to SMG11
TS	03.55	Dual Transfer Mode (DTM); Stage 2	8.0.0	R99	G1	CARRIZO MARTÍNEZ, José Luis	
TS	03.56	GSM Cordless Telephony System (CTS), Phase 1; CTS Architecture Description; Stage 2	8.0.0	R99	S2	ROBERTS, Martin	
TR	03.58	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	8.0.0	R99	S4	MONFORT, Jean-Yves	
TS	03.63	Packet Data on Signalling channels service (PDS) Service description, Stage 2	8.0.0	R99	N1	JACOBSOHN, Dieter	
TS	03.64	General Packet Radio Service (GPRS); Overall description of the GPRS radio interface; Stage 2	8.9.0	R99	G1	LEPPISAARI, Arto	
TS	03.68	Voice Group Call Service (VGCS); Stage 2	8.2.0	R99	N1	GARAPATY, Sonia	
TS	03.69	Voice Broadcast service (VBS); Stage 2	8.2.0	R99	N1	MÜNNING, Dirk	
TS	03.71	Location Services (LCS); Functional description; Stage 2	8.4.0	R99	S2	BROOK, Richard	
TS	03.82	Call Forwarding (CF) Supplementary Services; Stage 2	8.0.0	R99	N4	POTHS, Annette	
TS	04.01	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	8.0.0	R99	N1	ANDERSEN, Niels Peter Skov	
TS	04.03	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	04.04	Layer 1 - General Requirements	8.1.1	R99	G2	ISAACS, Ken	
TS	04.05	Data Link (DL) Layer General Aspects	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	04.06	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	8.1.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	04.08	Mobile radio interface layer 3 specification	8.0.0	R99	N1	HOWELL, Andrew	04.08 will remain as an index. Body txfrd to 24.008. Secondary MCC: Gert Thomasen (even numbered CRs!)
TS	04.12	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	
TS	04.13	Performance Requirements on Mobile Radio Interface	8.0.1	R99	N1	PUDNEY, Chris	
TS	04.14	Individual equipment type requirements and interworking; Special conformance testing functions	8.3.0	R99	G2	HOWELL, Andrew	
TS	04.18	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	8.12.0	R99	G2	HOWELL, Andrew	
TS	04.21	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	8.3.0	R99	N3	RÄSÄNEN, Juha	
TS	04.22	Radio Link Protocol (RLP) for data and telematic services on the Mobile Station - Base Station System (MS - BSS) interface and the Base Station System - Mobile-services Switching Centre (BSS - MSC) interface	8.0.0	R99	N3	KLEHN, Norbert	
TS	04.31	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	8.7.0	R99	G2	GARAPATY, Sonia	

Type	Number	Title	Ver at TSG#14	Rel	TSG/ WG	Editor	Comment
TS	04.35	Location Services (LCS); Broadcast network assistance for Enhanced Observed Time Difference (E-OTD) and Global Positioning System (GPS) positioning methods	8.4.0	R99	G2	GARAPATY, Sonia	
TS	04.56	GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification	8.0.1	R99	N1	HUPPERICH, Peter	
TS	04.57	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	8.0.1	R99	N1	HUPPERICH, Peter	
TS	04.60	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	8.12.1	R99	G2	BLACK, Jyoti	
TS	04.63	Packet Data on Signalling channels Service (PDS) Service Description, Stage 3	8.0.1	R99	N1	JACOBSOHN, Dieter	
TS	04.64	General Packet Radio Service (GPRS); Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) layer specification	8.7.0	R99	N1	SALKINTZIS, Apostolis	
TS	04.65	General Packet Radio Service (GPRS); Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	8.2.0	R99	N1	SALKINTZIS, Apostolis	24.065 existed, but scrapped since 04.65 is GSM only.
TS	04.68	Group Call Control (GCC) Protocol	8.1.0	R99	N1	GARAPATY, Sonia	
TS	04.69	Broadcast Call Control (BCC) protocol	8.1.0	R99	N1	GARAPATY, Sonia	
TS	04.71	Location Services (LCS); Mobile radio interface layer 3 specification	8.3.0	R99	G2	ANDERSEN, Niels Peter Skov	Was SMG2 till TSG#6; MCC expt changed from Al Bakri Jan 2000.
TS	04.94	Follow Me Service description; Stage 3	none	R99	-	SWETINA, Joerg	TF139 proposes to abandon; not needed. USSD does all.
TS	05.01	Physical Layer on the Radio Path (General Description)	8.6.0	R99	G1	JOKINEN, Harri	
TS	05.02	Multiplexing and Multiple Access on the Radio Path	8.10.0	R99	G1	SÉBIRE, Benoist	
TS	05.03	Channel coding	8.6.1	R99	G1	SÉBIRE, Benoist	
TS	05.04	Modulation	8.4.0	R99	G1	SÉBIRE, Benoist	
TS	05.05	Radio Transmission and Reception	8.11.0	R99	G1	SAMUELSSON, Mats	
TS	05.08	Radio Subsystem Link Control	8.12.0	R99	G1	EL-SAIGH, Amer	
TS	05.09	Link adaptation	8.5.0	R99	G1	ANDERSEN, Niels Peter Skov	
TS	05.10	Radio subsystem synchronization	8.8.0	R99	G1	JOKINEN, Harri	
TR	05.14	Release independent frequency bands; Implementation guidelines	none	R99	G1	KANGAS, Antti	Originally allocated as 09.20. Changed by request of GERAN chair 2000-11-09. Changed from G2 to G1 at same time.
TR	05.22	Radio link management in hierarchical networks	8.0.0	R99	G1	VAN BUSSEL, Han	
TR	05.50	Background for RF Requirements	8.2.0	R99	G1	ANDERSEN, Niels Peter Skov	
TS	05.56	CTS-FP Radio Sub-system	8.0.1	R99	G1	USAI, Paolino	
TS	06.01	Full Rate Speech Processing Functions	8.0.1	R99	S4	USAI, Paolino	
TS	06.02	Half Rate Speech Processing Functions	8.0.0	R99	S4	AFTELAK, Steve	
TS	06.06	Half Rate Speech: ANSI-C Code for GSM Half Rate Speech Codec	8.0.1	R99	S4	AFTELAK, Steve	
TS	06.07	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec	8.0.1	R99	S4	AFTELAK, Steve	
TR	06.08	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	8.0.0	R99	S4	SALEM, Tarek	
TS	06.10	Full Rate Speech Transcoding	8.2.0	R99	S4	LORENZ, Dietmar	

Type	Number	Title	Ver at TSG#14	Rel	TSG/ WG	Editor	Comment
TS	06.11	Substitution and Muting of Lost Frames for Full Rate Speech Channels	8.0.1	R99	S4	NAVARRO, William	
TS	06.12	Comfort Noise Aspects for Full Rate Speech Traffic Channels	8.1.0	R99	S4	SERENO, Daniele	
TS	06.20	Half Rate Speech Transcoding	8.0.1	R99	S4	AFTELAK, Steve	
TS	06.21	Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels	8.0.1	R99	S4	AFTELAK, Steve	
TS	06.22	Comfort Noise Aspects for Half Rate Speech Traffic Channels	8.0.1	R99	S4	AFTELAK, Steve	
TS	06.31	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	8.0.1	R99	S4	USAI, Paolino	
TS	06.32	Voice Activity Detection (VAD)	8.0.1	R99	S4	BARRETT, Paul	
TS	06.41	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels	8.0.1	R99	S4	USAI, Paolino	
TS	06.42	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels	8.0.1	R99	S4	BARRETT, Paul	
TS	06.51	GSM Enhanced full rate speech processing functions: General description	8.2.0	R99	S4	JÄRVINEN, Kari	
TS	06.53	ANSI-C code for the GSM Enhanced full rate speech codec	8.0.1	R99	S4	JÄRVINEN, Kari	
TS	06.54	Test sequences for the GSM Enhanced Full Rate (EFR)	8.2.0	R99	S4	JÄRVINEN, Kari	
TR	06.55	Performance characterisation of the GSM EFR Speech Codec	8.0.0	R99	S4	SALEM, Tarek	
TS	06.60	Enhanced full rate speech transcoding	8.0.1	R99	S4	JÄRVINEN, Kari	
TS	06.61	Substitution and muting of lost frames for encanced full rate speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	
TS	06.62	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	
TR	06.76	Adaptive Multi-Rate (AMR) speech codec; Study phase report	8.0.1	R99	S4	USAI, Paolino	New at SMG#31. Then became 06.77; new 06.76 has new title.
TS	06.77	Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder	8.1.1	R99	S4	USAI, Paolino	
TR	06.78	Results of the AMR noise suppression selection phase	8.0.0	R99	S4	USAI, Paolino	
TS	06.81	Discontinuous Transmission (DTX) for encanced full rate speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	
TS	06.82	Voice Activity Detection (VAD) for encanced full rate speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	
TR	06.85	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation	8.0.0	R99	S4	USAI, Paolino	
TS	07.01	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	8.0.0	R99	N3	WIIK, Rune Werner	
TS	07.02	Terminal Adaptation Functions (TAF) for Services Using Asynchronous Bearer Capabilities	8.0.0	R99	N3	WIIK, Rune Werner	
TS	07.03	Terminal Adaptation Functions (TAF) for Services Using Synchronous Bearer Capabilities	8.0.0	R99	N3	WIIK, Rune Werner	
TS	07.08	GSM Application Programming Interface	8.0.0	R99	T2	RODERMUND, Friedhelm	
TS	08.01	General Aspects on the BSS-MSC Interface	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	

Type	Number	Title	Ver at TSG#14	Rel	TSG/ WG	Editor	Comment
TS	08.02	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.04	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.06	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.08	Mobile-services Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	8.11.0	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.14	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.16	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.18	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	8.9.0	R99	G2	BLACK, Jyoti	
TS	08.20	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	8.4.1	R99	N3	RÄSÄNEN, Juha	
TS	08.31	Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification	8.1.0	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.51	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.52	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.54	BSC-BTS : Layer 1 Structure of Physical Circuits	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.56	BSC-BTS Layer 2 Specification	8.0.0	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.58	Base Station Controler - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	8.6.0	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.60	Inband Control of Remote Transcoders and Rate Adaptors for EFR/FR	8.1.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.61	Inband Control of Remote Transcoder and Rate Adaptors; (Half Rate)	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.62	Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3	8.0.1	R99	S4	USAI, Paolino	SMG11->S4 at SMG#30
TS	08.71	Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3 specification	8.4.0	R99	G2	ANDERSEN, Niels Peter Skov	
TR	09.01	General Network Interworking Scenarios	8.0.0	R99	N4	VACANT,	
TS	09.07	General Requirements on Interworking between the Public Land Mobile Network (PLMN) and the Intergrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	8.0.0	R99	N3	KLEHN, Norbert	

Type	Number	Title	Ver at TSG#14	Rel	TSG/ WG	Editor	Comment
TS	09.08	Application of the Base Station System Application Part (BSSAP) on the E-Interface	8.1.0	R99	N1	JUKIC, Zdravko	
TS	09.14	Application of ISUP Version 3 for the ISDN-PLMN (GSM) Signalling	8.0.0	R99	SPAN3	SPORTON, Simon	EN 302 646
TS	09.18	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	8.0.0	R99	N1	MILLS, Duncan	
TS	09.31	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	8.5.0	R99	G2	ANDERSEN, Niels Peter Skov	
TR	10.43	Support of Localised Service Area (SoLSA); Work Item Status	1.11.0	R99	S1	KOKKOLA, Tommi	
TS	10.56	Project scheduling and open issues: GSM Cordless Telephony System CTS, Phase 1	8.0.0	R99	S2	GALLIGO, Michel	
TR	10.57	Project scheduling and open issues: Mobile Station Execution Environment (MExE)	8.0.0	R99	T2	RODERMUND, Friedhelm	TSG#9:withdrawn cos contains misleading information/references
TR	10.59	Project scheduling and open issues for EDGE	8.0.0	R99	G1	MUELLER, Frank	
TR	10.76	Noise suppression for the AMR codec; Project scheduling and open issues	1.0.0	R99	S4	,	
TS	10.89	GSM to other Systems Handover and Cell Selection/Reselection; Project scheduling and open issues;	0.0.6	R99	GP	ISAACS, Ken	
TS	11.10-1	Mobile station (MS) conformance specification; Part1: Conformance specification	8.3.0	R99	G5	SALMERON, Lidia	R99 version now serves all releases. Earlier releases closed.. Subsequently replaced by Rel-5 equivalent. 2001-11-19: G4->G5.
TS	11.10-2	Mobile station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	8.0.0	R99	G5	SALMERON, Lidia	2001-11-19: G4->G5.
TS	11.10-3	Mobile Station (MS) Conformance Specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)	8.0.0	R99	G5	SALMERON, Lidia	2001-11-19: G4->G5.
TS	11.10-4	Mobile Station (MS) Conformance Specification; Part 4: SIM Application Toolkit conformance specification	8.0.0	R99	G5	SALMERON, Lidia	2001-11-19: G4->G5. TP-14: may be txferred to T3.
TS	11.11	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	8.6.0	R99	T3	GUTHERY, Scott B.	
TS	11.14	Specification of the SIM Application Toolkit for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	8.9.0	R99	T3	WOODSEND, Kristian	
TS	11.17	SIM test specification	8.0.0	R99	T3	BREMNER, David	
TS	11.18	Specification of the 1.8 Volt Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface	8.0.0	R99	T3	LINDHOLM, Rune	
TS	11.21	Base Station System (BSS) equipment specification; Radio aspects	8.6.0	R99	G3	VACANT,	
TS	11.26	GSM Repeater Equipment Specification	8.0.2	R99	G3	VACANT,	
TS	12.03	Security Management	8.0.0	R99	S5	~~ZOICAS, Adrian~~ TRUSS, Michael	
TS	12.04	Performance data measurements	8.0.0	R99	S5	NENNER, Karl-Heinz	
TS	12.71	Location Services (LCS); Location services management	8.0.1	R99	S5	GARAPATY, Sonia	TSG#11:S5 will no longer maintain.

D.2 Release 1999 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#14	Rel	TSG/ WG	Editor	Comment
TS	21.010	reserved	none	R99	SP	VACANT,	
TS	21.100	3G specification handling procedures	1.0.0	R99	-	MEREDITH, John M	Knobbled prior to SA#8.
TS	21.101	3rd Generation mobile system Release 1999 Specifications	3.6.0	R99	SP	MEREDITH, John M	
TS	21.111	USIM and IC card requirements	3.3.0	R99	T3	KALINER, Stefan	
TS	21.133	3G security; Security threats and requirements	3.2.0	R99	S3	CHRISTOFFERSSON, Per	
TR	21.810	Report on multi-mode UE issues; ongoing work and identified additional work	3.0.0	R99	T2	PERSSON, Sofi	Was formerly 21.910. Renumbered at TSG#7.
TR	21.900	Technical Specification Group working methods	3.6.0	R99	SP	MEREDITH, John M	
TR	21.904	User Equipment (UE) capability requirements	3.4.0	R99	T2	SOOD, Prem	
TR	21.905	Vocabulary for 3GPP Specifications	3.3.0	R99	S1	ZARRI, Michele	
TS	21.906	reserved	3.0.0	R99		CLAYTON, Michael	
TR	21.910	Multi-mode UE issues; categories, principles and procedures	3.0.0	R99	T2	PERSSON, Sofi	TSG#7: Renumbered to 21.810 and stopped. TSG#8: Resurected with modified title.
TR	21.978	Feasibility Technical Report – CAMEL Control of VoIP Services	3.0.0	R99	N2		
TS	22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	3.2.0	R99	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)	3.6.0	R99	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	3.3.0	R99	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.004	General on Supplementary Services	3.2.1	R99	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.011	Service accessibility	3.6.0	R99	S1	GALLAIRE, Jean Paul	Transfer>TSG#4
TS	22.016	International Mobile Equipment Identities (IMEI)	3.2.0	R99	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	3.1.0	R99	S3	NGUYEN NGOC, Sebastien	Transfer>TSG#4
TS	22.024	Description of Charge Advice Information (CAI)	3.0.1	R99	S1	DWYER, Paul	Transfer>TSG#4,CR at TSG#5
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	3.4.0	R99	S1	TOIVANEN, Annukka	Transfer>TSG#4
TS	22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	3.2.1	R99	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	3.2.0	R99	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.041	Operator Determined Call Barring	3.3.1	R99	S1	WOLAK, Stephen	Transfer>TSG#4
TS	22.042	Network Identity and Time Zone (NITZ), stage 1	3.0.1	R99	S1	DAHLKVIST, Mikael	Transfer>TSG#4
TS	22.043	Support of Localized Service Area (SoLSA); Service description; Stage 1	3.1.0	R99	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.053	Tandem Free Operation (TFO); Service description; Stage 1	3.0.0	R99	S4	NAVARRO, William	Transfer>TSG#4.
TS	22.057	Mobile Execution Environment (MExE); Stage 1	3.0.1	R99	S1	CATALDO, Mark	Transfer>TSG#4: Rel-4 changes title from "Mobile Station Application Execution Environment (MExE); Stage 1".
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	3.5.0	R99	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	3.2.0	R99	S1	CLAYTON, Michael	Transfer>TSG#4

Type	Number	Title	Ver at TSG#14	Rel	TSG/ WG	Editor	Comment
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	3.0.1	R99	S1	SWETINA, Joerg	Transfer>TSG#4
TS	22.071	Location Services (LCS); Stage 1	3.3.0	R99	S1	WOHLERT, Randolph	Transfer>TSG#4
TS	22.072	Call Deflection (CD); Stage 1	3.0.1	R99	S1	RAUCH, Horst	Transfer>TSG#4
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	3.8.0	R99	S1	GRECH, Michel	Transfer>TSG#4
TS	22.079	Support of optimal routeing; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.081	Line Identification supplementary services; Stage 1	3.2.0	R99	S1	AHNBERG, Tomas	Transfer>TSG#4
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	3.0.1	R99	S1	EVEN, Anne	Transfer>TSG#4
TS	22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.084	MultiParty (MPTY) supplementary service; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	3.1.0	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.086	Advice of Charge (AoC) supplementary services; Stage 1	3.1.0	R99	S1	DWYER, Paul	Transfer>TSG#4
TS	22.087	User-to-user signalling (UUS); Stage 1	3.1.0	R99	S1	BRADEN, Christian	Transfer>TSG#4
TS	22.088	Call Barring (CB) supplementary services; Stage 1	3.0.2	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	3.1.0	R99	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	3.1.0	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1	3.0.1	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.094	Follow Me service description - Stage 1	3.1.0	R99	S1	BERGMANN, Ansgar	Transfer>TSG#4. GSM only @TSG#5
TS	22.096	Name identification supplementary services; Stage 1	3.0.1	R99	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1	3.2.0	R99	S1	DWYER, Paul	Transfer>TSG#4
TS	22.100	UMTS Phase 1	3.7.0	R99	S1	EVEN, Anne	
TS	22.101	Service aspects; Service principles	3.13.0	R99	S1	DWYER, Paul	
TS	22.105	Services & service capabilities	3.10.0	R99	S1	EVEN, Anne	
TS	22.115	Service Aspects Charging and billing	3.3.0	R99	S1	MONTEGROSSO, Emanuele	
TS	22.121	Service aspects; The Virtual Home Environment; Stage 1	3.3.0	R99	S1	OGUNBEKUN, Jumoke	Former title: "Provision of Services in UMTS - The Virtual Home Environment; Stage 1"
TS	22.129	Handover requirements between UTRAN and GERAN or other radio systems	3.6.0	R99	S1	SAMPSON, Nick	
TS	22.135	Multicall; Service description; Stage 1	3.4.0	R99	S1	KOKKOLA, Tommi	
TS	22.140	Service aspects; Stage 1; Multimedia Messaging Service	3.1.0	R99	S1	LAUMEN, Josef	(development in T2)
TR	22.907	Terminal concepts	3.1.3	R99	-	TOLVANEN, Mika	CR at TSG#4 Not maintained
TR	22.924	Charging and accounting mechanisms	3.1.1	R99	-	MONTEGROSSO, Emanuele	
TR	22.925	Quality of Service (QoS) and network performance	3.1.1	R99	-	ERIKSSON, Olle	
TR	22.945	Study of provision of fax service in GSM and UMTS	3.0.0	R99	T2	COLBAN, Erik	
TR	22.960	Mobile multimedia services	3.0.1	R99	-	AHNBERG, Tomas	
TR	22.970	Virtual Home Environment Report	3.0.1	R99	-	OGUNBEKUN, Jumoke	
TR	22.971	Automatic establishment of roaming relationships	3.1.1	R99	S1	MONTEGROSSO, Emanuele	
TR	22.972	Circuit-switched multimedia	0.0.0	R99	-	CLAYTON, Michael	Title grows "cct sw".
TR	22.975	Advanced addressing	3.1.0	R99	S1	KLEIER, Stephan	
TS	23.002	Network Architecture	3.5.0	R99	S2	SULTAN, Alain	Transfer>TSG#4,CR at TSG#5

Type	Number	Title	Ver at TSG#14	Rel	TSG/ WG	Editor	Comment
TS	23.003	Numbering, Addressing and Identification	3.9.0	R99	N4	GAASVIK, Per-Ola	
TS	23.007	Restoration procedures	3.4.0	R99	N4	RUSSELL, Nick	
TS	23.008	Organisation of subscriber data	3.6.0	R99	N4	BAUER, Rolf	
TS	23.009	Handover procedures	3.9.0	R99	N1	FARHOUMAND, Rouzbeh	
TS	23.010	GSM Public Land Mobile Network (PLMN) Connection Types	3.0.0	R99	-	DETTNER, Harald	superseded by 23.910
TS	23.011	Technical realization of Supplementary Services	3.1.0	R99	N4	CONRAD, Alan	
TS	23.012	Location management procedures	3.3.0	R99	N4	VACANT,	
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	3.1.0	R99	N1	ZAUS, Robert	Should not be in UMTS ????
TS	23.015	Technical realisation of Operator Determined Barring (ODB)	3.1.0	R99	N4	PARK, Ian David Chalmers	
TS	23.016	Subscriber data management; Stage 2	3.7.0	R99	N4	VACANT,	
TS	23.018	Basic Call Handling; Technical realization	3.10.0	R99	N4	PARK, Ian David Chalmers	
TS	23.022	Functions related to Mobile Station (MS) in idle mode and group receive mode	3.1.0	R99	-	ANDERSEN, Niels Peter Skov	Superseded by 23.122
TS	23.032	Universal Geographical Area Description (GAD)	3.1.0	R99	S2	HIETALAHTI, Hannu	S2 responsibility?
TS	23.034	High Speed Circuit Switched Data (HSCSD); Stage 2	3.3.0	R99	N1	KOKKOLA, Tommi	
TS	23.038	Alphabets and language-specific information	3.3.0	R99	T2	HARRIS, Ian	
TR	23.039	Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)	3.2.0	R99	T2	HARRIS, Ian	
TS	23.040	Technical realization of Short Message Service (SMS)	3.7.0	R99	T2	HARRIS, Ian	
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	3.4.0	R99	T2	HARRIS, Ian	Transfer>TSG#4
TS	23.042	Compression algorithm for SMS	3.1.0	R99	T2	HARRIS, Ian	
TS	23.042	Compression algorithm for SMS	3.1.0	R99	T2	HARRIS, Ian	
TS	23.043	Support of Videotex	3.0.0	R99	-	DETTNER, Harald	
TS	23.044	Support of Teletex	3.0.0	R99	-	DETTNER, Harald	
TS	23.045	Technical Realization of Facsimile Group 3 Service - transparent	3.0.0	R99	-	DI TRIA, Paolo	Version 8.x.x exists
TS	23.046	Technical realisation of facsimile Group 3 service - non-transparent	3.0.0	R99	-	BOSWARTHICK, David	superseded by 23.146
TS	23.054	Shared Interworking Functions (SIWF); Stage 2	3.0.0	R99	N3	ROSTÖ, Tommy	
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	3.4.0	R99	T2	CATALDO, Mark	Apr-2001: " Station Application" removed from title.
TS	23.060	General Packet Radio Service (GPRS) Service description; Stage 2	3.10.1	R99	S2	DELECKI, Andrew	Transfer>TSG#4
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	3.3.0	R99	N4	LOPEZ SORIA, Luis	Transfer>TSG#4, CR at TSG#5
TS	23.067	Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2	3.3.0	R99	N4	PERLICK, Vivien	
TS	23.069	Voice Broadcast service (VBS); Stage 2	3.0.0	R99	N1	DETTNER, Harald	Reverts to 03.69 R99.
TS	23.070	Routeing of calls to/from Public Data Networks (PDN) and the GSM Public Land Mobile Network (PLMN)	3.0.0	R99	-	KOSYDAR, L	N3 indicates not required for R99, so revert to 03.70 R98.
TS	23.071	Location services (LCS) stage 2	3.0.0	R99	-	STEER, David G	superseded by 25.305
TS	23.072	Call Deflection Supplementary Service; Stage 2	3.3.0	R99	N4	CONRAD, Alan	
TS	23.073	Support of Localised Service Area (SoLSA); Stage 2	3.0.1	R99	N4	KYMALAINEN, Kimmo	Transfer>TSG#4. 2001-10-09 Rapporteur changed from Ch Homann.
TS	23.078	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	3.11.0	R99	N2	HOMANN, Christian	CR at TSG#4,CR at TSG#5
TS	23.079	Support of Optimal Routeing (SOR); Technical realization; Stage 2	3.6.0	R99	N4	PARK, Ian David Chalmers	CR at TSG#4,CR at TSG#5

Type	Number	Title	Ver at TSG#14	Rel	TSG/ WG	Editor	Comment
TS	23.081	Line Identification supplementary services; Stage 2	3.1.0	R99	N4	VACANT,	
TS	23.082	Call Forwarding (CF) Supplementary Services; Stage 2	3.6.0	R99	N4	VACANT,	
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	3.2.0	R99	N4	RUSSELL, Nick	
TS	23.084	MultiParty (MPTY) Supplementary Service; Stage 2	3.2.0	R99	N4	RUSSELL, Nick	
TS	23.085	Closed User Group (CUG) Supplementary Service; Stage 2	3.1.0	R99	N4	DETTNER, Harald	
TS	23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	3.1.0	R99	N4	DETTNER, Harald	
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	3.1.0	R99	N4	DETTNER, Harald	
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	3.2.0	R99	N4	DETTNER, Harald	
TS	23.090	Unstructured Supplementary Service Data (USSD); Stage 2	3.2.0	R99	N4	CROOK, Mick	
TS	23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	3.2.0	R99	N4	RUSSELL, Nick	
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	3.2.0	R99	N4	DETTNER, Harald	
TS	23.094	Follow Me Stage 2	3.2.0	R99	N4	SWETINA, Joerg	Transfer>TSG#4. GSM only @TSG#5
TS	23.096	Name Identification Supplementary Service; Stage 2	3.0.1	R99	N4	DETTNER, Harald	
TS	23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	3.1.1	R99	N4	HEWSON, Ruth	Transfer>TSG#4,CR at TSG#5
TS	23.101	General UMTS Architecture	3.1.0	R99	S2	OLSSON, Magnus	
TS	23.107	Quality of Service (QoS) concept and architecture	3.7.0	R99	S2	GREIS, Marc	was 23.907
TS	23.108	Mobile Radio Interface Layer 3 specification Core Network Protocols stage 2 (structured procedures)	3.2.0	R99	N1	SALKINTZIS, Apostolis	
TS	23.110	UMTS Access Stratum Services and Functions	3.4.0	R99	S2	LOPEZ-TORRES, Oscar	
TS	23.116	Super-Charger technical realization; Stage 2	3.2.0	R99	N4	ALLEN, Nicholas	New after TSG#5
TS	23.119	Gateway Location Register (GLR); Stage2	3.0.0	R99	N4	SAWADA, Masahiro	New after TSG#5
TS	23.121	Architecture Requirements for release 99	3.5.1	R99	S2	DANIEL, Elizabeth	
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	3.7.0	R99	N1	HIETALAHTI, Hannu	
TS	23.127	Virtual Home Environment (VHE); Stage 2	3.4.0	R99	S2	GOURRAUD, Christophe	Sept 00: "Open Service Architecture" removed from title.
TS	23.135	Multicall supplementary service; Stage 2	3.2.0	R99	N4	MITAMURA, Kazuo	
TS	23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2	3.0.1	R99	T2	LAUMEN, Josef	
TS	23.171	Functional stage 2 description of location services in UMTS	3.6.0	R99	S2	KÅLL, Jan	
TR	23.814	Separating RR and MM specific parts of the MS Classmark	3.1.0	R99	N1	YOKOTA, Fumihiko	New after TSG#5
TR	23.908	Technical report on Pre-Paging	3.0.1	R99	N4	VACANT,	
TR	23.909	Technical report on the Gateway Location Register	3.0.1	R99	N4	PARK, Ian David Chalmers	
TR	23.910	Circuit switched data bearer services	3.5.0	R99	N3	WIIK, Rune Werner	03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval)
TR	23.911	Technical report on Out-of-band transcoder control	3.0.1	R99	N4	KYMALAINEN, Kimmo	
TR	23.912	Technical report on Super-Charger	3.1.0	R99	N4	SHARP, Iain	
TS	23.920	Evolution of the GSM platform towards UMTS	3.1.0	R99	-	DANIEL, Elizabeth	
TR	23.922	Architecture for an All IP network	1.0.0	R99	S2	DANIEL, Elizabeth	TSG#5: 1.0.0
TR	23.923	Combined GSM and Mobile IP mobility handling in UMTS IP CN	3.0.0	R99	S2	HUBBARD, Elisabeth	
TR	23.925	UMTS Core network based ATM transport	0.2.0	R99	S2	ROUZ, Adel	Oct 00: S2 Secretary indicates this spec is out of date and should be withdrawn.
TR	23.927	VHE, Open Service Architecture (OSA)	0.1.0	R99	-	CLAYTON, Michael	Replaced by 23.127
TR	23.930	Iu Principles	3.0.0	R99	S2	AXERUD, Bo	

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TR	23.960	Framework of network functions to support multimedia services	0.1.0	R99	-	GABE, Axel	
TR	23.972	Circuit Switched Multimedia Telephony	3.0.0	R99	N1	KAUHANEN, Timo	New after TSG#5. Minor title change TSG#7.
TS	24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	3.1.0	R99	N1	ANDERSEN, Niels Peter Skov	
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	3.8.0	R99	N1	HOWELL, Andrew	Transfer>TSG#4,CR at TSG#5
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	3.10.0	R99	N1	HOWELL, Andrew	CR correction produced 3.0.1, CR at TSG#5. Outstanding issues not expected to be resolved till Jun00.
TS	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	3.2.0	R99	N4	ANDERSEN, Niels Peter Skov	
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	3.6.0	R99	N1	ANDERSEN, Niels Peter Skov	Transfer>TSG#4
TS	24.012	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	3.0.0	R99	G2	AL -BAKRI, Ban	Transfer>TSG#4; N#9:proposed to scrap this spec and return it to 2g status (04.12 R99) and shift responsibility to G2 (and should have been N2 anyway). Agreed to txfer to G2, but still as 24.012.
TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	3.4.0	R99	N3	KLEHN, Norbert	CR at TSG#4 (post TSG#4 approval) includes title change. Old title: "Radio Link Protocol (RLP) for Data and Telematic Services on the (MS-BSS) Interface and the Base Station System - Mobile-services Switching Centre (BSS-MSC) Interface".
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	3.3.0	R99	N4	GARAPATY, Sonia	TSG#7: txfrd from SMG to 3GPP for R99.
TS	24.065	General Packet Radio Service (GPRS); Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	3.1.0	R99	N1	BOSWARTHICK, David	Scrapped: is GSM only
TS	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	3.2.0	R99	N4	PERLICK, Vivien	
TS	24.068	Group Call Control (GCC) Protocol	3.1.0	R99	N1	GARAPATY, Sonia	GSM only for R99.
TS	24.069	Broadcast Call Control (BCC) protocol	3.1.0	R99	N1	GARAPATY, Sonia	GSM only for R99.
TS	24.072	Call Deflection Supplementary Service; Stage 3	3.0.0	R99	N4	DETTNER, Harald	
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	3.6.0	R99	N4	DETTNER, Harald	
TS	24.081	Line Identification Supplementary Service; Stage 3	3.1.0	R99	N4	DETTNER, Harald	
TS	24.082	Call Forwarding Supplementary Service; Stage 3	3.0.0	R99	N4	DETTNER, Harald	
TS	24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3	3.0.0	R99	N4	RUSSELL, Nick	
TS	24.084	MultiParty (MPTY) Supplementary Service; Stage 3	3.0.0	R99	N4	RUSSELL, Nick	
TS	24.085	Closed User Group (CUG) Supplementary Service; Stage 3	3.0.0	R99	N4	DETTNER, Harald	
TS	24.086	Advice of Charge (AoC) Supplementary Service; Stage 3	3.0.0	R99	N4	DETTNER, Harald	
TS	24.087	User-to-User Signalling (UUS); Stage 3	3.0.0	R99	N4	DETTNER, Harald	
TS	24.088	Call Barring (CB) Supplementary Service; Stage 3	3.0.0	R99	N4	DETTNER, Harald	
TS	24.090	Unstructured Supplementary Service Data (USSD); Stage 3	3.0.0	R99	N4	BRUSS, Jörg	
TS	24.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 3	3.0.0	R99	N4	RUSSELL, Nick	
TS	24.093	Call Completion to Busy Subscriber (CCBS); Stage 3	3.0.0	R99	N4	DETTNER, Harald	
TS	24.094	Follow Me; Stage 3	none	R99	-	BERGMANN, Ansgar	TF139 proposes to abandon; not needed. USSD does all.
TS	24.096	Name Identification Supplementary Service; Stage 3	3.0.0	R99	N4	DETTNER, Harald	
TS	24.135	Multicall supplementary service; Stage 3	3.2.0	R99	N4	MITAMURA, Kazuo	
TS	25.053	Tandem Free Operation (TFO); Service description; Stage 2	none	R99	-	MEREDITH, John M	No draft. Anyway, should have been 23.053.

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TS	25.101	UE Radio transmission and reception (FDD)	3.9.0	R99	R4	FERNANDES, Edgar	
TS	25.102	UTRA (UE) TDD; Radio transmission and reception	3.9.0	R99	R4	KOTTKAMP, Meik	
TS	25.103	RF parameters in support of RRM	2.0.0	R99	-	FRANCESCHI, Olle	Withdrawn in favour of 25.123 & 25.133
TS	25.104	UTRA (BS) FDD; Radio transmission and reception	3.9.0	R99	R4	SKÖLD, Johan	
TS	25.105	UTRA (BS) TDD: Radio transmission and reception	3.9.0	R99	R4	KOTTKAMP, Meik	
TS	25.113	Base station and repeater ElectroMagnetic Compatibility (EMC)	3.5.0	R99	R4	BARNES, David	
TS	25.123	Requirements for support of radio resource management (TDD)	3.8.0	R99	R4	RONCHINI, M. Cristina	
TS	25.133	Requirements for support of radio resource management (FDD)	3.8.0	R99	R4	RONCHINI, M. Cristina	
TS	25.141	Base station conformance testing (FDD)	3.8.0	R99	R4	NAKAMURA, Takaharu	
TS	25.142	Base station conformance testing (TDD)	3.8.0	R99	R4	MEYER, Juergen	
TS	25.201	Physical layer - general description	3.2.0	R99	R1	TOSKALA, Antti	
TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	3.9.0	R99	R1	WILDE, Andreas	
TS	25.212	Multiplexing and channel coding (FDD)	3.8.0	R99	R1	TANAKA, Yoshinori	
TS	25.213	Spreading and modulation (FDD)	3.7.0	R99	R1	CHAMBERS, Peter	
TS	25.214	Physical layer procedures (FDD)	3.9.0	R99	R1	IKEDA, Shinobu	
TS	25.215	Physical layer; Measurements (FDD)	3.9.0	R99	R1	IKEDA, Shinobu	
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	3.9.0	R99	R1	HIRAMATSU, Katsuhiko	
TS	25.222	Multiplexing and channel coding (TDD)	3.7.0	R99	R1	KAHTAVA, Jussi	
TS	25.223	Spreading and modulation (TDD)	3.7.0	R99	R1		
TS	25.224	Physical layer procedures (TDD)	3.9.0	R99	R1	OESTREICH, Stefan	
TS	25.225	Physical layer; Measurements (TDD)	3.9.0	R99	R1	IKEDA, Shinobu	
TS	25.301	Radio Interface Protocol Architecture	3.9.0	R99	R2	GRANZOW, Wolfgang	
TS	25.302	Services provided by the physical layer	3.11.0	R99	R2	MIHAILESCU, Claudiu	V3.0.0 approved via e-mail July 99 CR at TSG#5?
TS	25.303	Interlayer procedures in Connected Mode	3.10.0	R99	R2	RINNE, Mikko J	
TS	25.304	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	3.9.0	R99	R2	MAHKONEN, Marko	
TS	25.305	Stage 2 functional specification of UE positioning in UTRAN	3.7.0	R99	R2	MIHAILESCU, Claudiu	Created from 25.923
TS	25.306	UE Radio Access capabilities definition	3.4.0	R99	R2	BERGGREN, Anders	Converted from TR 25.925 at TSG#10.
TS	25.307	Requirements on UEs supporting a release-independent frequency band	3.1.0	R99	R2	FAUCONNIER, Denis	Release independent! - sort of. RP-13: responsibility: R2 = signalling requirements, R4 = RF & RMM requirements.
TS	25.321	Medium Access Control (MAC) protocol specification	3.10.0	R99	R2	GESSNER, Christina	
TS	25.322	Radio Link Control (RLC) protocol specification	3.9.0	R99	R2	MADELAINE, Sebastien	
TS	25.323	Packet Data Convergence Protocol (PDCP) specification	3.7.0	R99	R2	HANS, Martin	
TS	25.324	Broadcast/Multicast Control (BMC)	3.4.0	R99	R2	KRISCHAN, Peter	
TS	25.331	Radio Resource Control (RRC) protocol specification	3.9.0	R99	R2	KUCHIBHOTLA, Ravi	
TS	25.401	UTRAN Overall Description	3.8.0	R99	R3	CALMEL, Jean-Marie	Approval at TSG#5
TS	25.402	Synchronisation in UTRAN Stage 2	3.8.0	R99	R3	PIOLINI, Flavio	New
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	3.6.0	R99	R3	TOWNEND, Richard	Approval at TSG#5
TS	25.411	UTRAN Iu interface Layer 1	3.5.0	R99	R3	BRANDT, Achim V.	
TS	25.412	UTRAN Iu interface signalling transport	3.6.0	R99	R3	THAKARE, Kiran	
TS	25.413	UTRAN Iu interface RANAP signalling	3.8.0	R99	R3	JUSSILA, Jyrki	

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TS	25.414	UTRAN Iu interface data transport & transport signalling	3.9.0	R99	R3	COMSTOCK, David	
TS	25.415	UTRAN Iu interface user plane protocols	3.9.0	R99	R3	MAUPIN, Alain	
TS	25.419	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	3.7.0	R99	R3	TAYLOR, Carolyn	
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	3.4.0	R99	R3	THAKARE, Kiran	
TS	25.421	UTRAN Iur interface Layer 1	3.1.0	R99	R3	BRANDT, Achim V.	
TS	25.422	UTRAN Iur interface signalling transport	3.6.0	R99	R3	THAKARE, Kiran	
TS	25.423	UTRAN Iur interface RNSAP signalling	3.8.0	R99	R3	RUNE, Göran	
TS	25.424	UTRAN Iur interface data transport & transport signalling for CCH data streams	3.7.0	R99	R3	DREVON, Nicolas	
TS	25.425	UTRAN Iur interface user plane protocols for CCH data streams	3.6.0	R99	R3	DREVON, Nicolas	
TS	25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	3.7.0	R99	R3	KEKKI, Sami	
TS	25.427	UTRAN Iur and Iub interface user plane protocols for DCH data streams	3.9.0	R99	R3	LONGONI, Fabio	
TS	25.430	UTRAN Iub Interface: General Aspects and Principles	3.7.0	R99	R3	WILSON, Mick	
TS	25.431	UTRAN Iub interface Layer 1	3.1.0	R99	R3	BRANDT, Achim V.	
TS	25.432	UTRAN Iub interface signalling transport	3.1.0	R99	R3	WILSON, Mick	
TS	25.433	UTRAN Iub interface NBAP signalling	3.8.0	R99	R3	ISHIKAWA, Nobutaka	
TS	25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	3.6.0	R99	R3	ALDEN, Magnus	
TS	25.435	UTRAN Iub interface user plane protocols for CCH data streams	3.9.0	R99	R3	CALMEL, Jean-Marie	
TS	25.442	UTRAN Implementation Specific O&M Transport	3.1.0	R99	R3	RECKER, Stephan	
TR	25.831	Study Items for future release	0.0.2	R99	R3	DREVON, Nicolas	
TR	25.832	Manifestations of Handover and SRNS relocation	3.0.0	R99	R3	TOWNEND, Richard	
TR	25.833	Physical layer items not for inclusion in Release 99	1.1.0	R99	R1	IKEDA, Shinobu	Created Jan 2000 (aka R1.03)
TR	25.853	Delay budget within the access stratum	3.1.0	R99	R3	DELL'ACQUA, Massimo	Was 25.932. Approved and renumbered at TSG#10.
TR	25.921	Guidelines and principles for protocol description and error handling	3.6.0	R99	R2	GILLY, Sylviane	
TR	25.922	Radio Resource Management Strategies	3.6.0	R99	R2	MAGNANI, Nicola Pio	
TR	25.923	Stage 2 Functional Specification of Location Services in UTRAN	1.4.0	R99	-	STEER, David G	superseded by 25.305
TR	25.925	Radio Interface for Broadcast/Multicast Services	3.4.0	R99	R2	KRISCHAN, Peter	
TR	25.926	UE Radio Access capabilities definition	3.3.0	R99	R2	LUNDSJÖ, Johan	->25.306 Nov 00.
TR	25.931	UTRAN Functions, examples on signalling procedures	3.5.0	R99	R3	SCARRONE, Enrico	
TR	25.941	Document structure	3.1.0	R99	R4	TAKAMI, Tadao	
TR	25.942	RF system scenarios	3.2.0	R99	R4	BENABDALLAH, Nadia	Additional rapporteur = A.De Pasquale.
TR	25.944	Channel coding and multiplexing examples	3.5.0	R99	R1	IKEDA, Shinobu	Created Jan 2000 (aka R1.04)
TR	25.990	Vocabulary for UTRAN	3.0.0	R99	R4	OKRAH, Peter	
TS	26.071	AMR speech Codec; General description	3.0.1	R99	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.073	AMR speech Codec; C-source code	3.3.0	R99	S4	EKUDDEN, Erik	
TS	26.074	AMR speech Codec; Test sequences	3.1.1	R99	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.075	AMR speech Codec; Performance Charaterization of the GSM AMR Speech Codec	1.2.0	R99	-	EKUDDEN, Erik	Created TSG#6. Replaced by '975 at TSG#7.
TS	26.090	AMR speech Codec; Transcoding Functions	3.1.0	R99	S4	EKUDDEN, Erik	Transfer>TSG#4

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TS	26.091	AMR speech Codec; Error concealment of lost frames	3.1.0	R99	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	3.0.1	R99	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.093	AMR speech Codec; Source Controlled Rate operation	3.3.0	R99	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels	3.0.0	R99	S4	USAI, Paolino	Transfer>TSG#4
TS	26.101	AMR speech Codec; Frame Structure	3.2.0	R99	S4	HAGQVIST, Jari	
TS	26.102	AMR speech Codec; Interface to Iu and Uu	3.3.0	R99	S4	NAVARRO, William	
TS	26.103	Codec lists	3.1.0	R99	S4	HELLWIG, Karl	New after TSG#5
TS	26.104	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	3.3.0	R99	S4	USAI, Paolino	
TS	26.110	Codec for circuit switched multimedia telephony service; General description	3.1.0	R99	S4	ARONSON, Barry	
TS	26.111	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	3.4.0	R99	S4	ARONSON, Barry	CR at TSG#5
TS	26.112	Codec(s) for Circuit Switched Multimedia Telephony Service; Call Set-up Requirements	1.1.0	R99	-	HONKO, Harri	
TS	26.115	Echo control for speech and multi-media services	0.0.1	R99	S4	USAI, Paolino	
TS	26.121	Technical Specification for Tandem Free Operation within 3G networks	none	R99	-	OHANA, Alain	
TS	26.122	Technical Specification for Tandem Free Operation between 3G and 2G networks	none	R99	-	OHANA, Alain	
TS	26.131	Terminal acoustic characteristics for telephony; Requirements	3.3.0	R99	S4	GOETZ, Ian	
TS	26.132	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	3.3.0	R99	S4	GOETZ, Ian	
TS	26.133	Wide band speech telephony terminal acoustic characteristics	none	R99	S4	BARRETT, Paul	Stopped: Included in 26.131 & '132.
TS	26.134	Wide band speech telephony terminal acoustic test specification	none	R99	S4	BARRETT, Paul	Stopped: Included in 26.131 & '132.
TS	26.135	Terminal Display and Camera Characteristics for H.324 Narrow-band Video Telephony	none	R99	S4	USAI, Paolino	Stopped: Included in 26.131 & '132.
TS	26.136	Terminal Display and Camera Test Specifications for H.324 Narrow-band Video Telephony	none	R99	S4	USAI, Paolino	Stopped: Included in 26.131 & '132.
TS	26.137	Terminal Display and Camera Characteristics for H.323 Narrow-band Video Telephony	none	R99	S4	USAI, Paolino	Stopped: Included in 26.131 & '132.
TS	26.138	Terminal Display and Camera Test Specifications for H.323 Narrow-band Video Telephony	none	R99	S4	USAI, Paolino	Stopped: Included in 26.131 & '132.
TR	26.911	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	3.3.0	R99	S4	HAAVISTO, Petri	
TR	26.912	Codec for Circuit switched Multimedia Telephony Service; Quantitative performance evaluation of H.324 Annex C over 3G	3.0.0	R99	S4	FRANCESCHI, Olle	
TR	26.913	Quantitative performance evaluation of real-time packet switched multimedia services over 3G	0.0.1	R99	S4	HONKO, Harri	
TR	26.915	Echo Control For Speech and Multi-Media Services	3.0.0	R99	S4	GOETZ, Ian	May00: May be converted to TS 26.115 some time in future.
TR	26.975	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec	3.1.0	R99	S4	EKUDDEN, Erik	Replaces 26.075. 2001-10-02: Also for GSM.

Type	Number	Title	Ver at TSG#14	Rel	TSG/ WG	Editor	Comment
TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	3.10.0	R99	N3	WIIK, Rune Werner	
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	3.5.0	R99	N3	WIIK, Rune Werner	
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	3.5.0	R99	N3	WIIK, Rune Werner	
TS	27.005	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	3.1.0	R99	T2	HARRIS, Ian	
TS	27.007	AT command set for 3G User Equipment (UE)	3.10.0	R99	T2	VACANT,	
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	3.3.0	R99	T2	VACANT,	
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	3.5.0	R99	N3	WILD, Johanna	GPRS
TS	27.103	Wide Area Network Synchronization	3.1.0	R99	T2	LOCKHART, Rob	
TR	27.901	Report on Terminal Interfaces - An Overview	3.0.0	R99	T2	REX, Thomas	
TR	27.903	Discussion of synchronization standards	3.0.0	R99	T2	LOCKHART, Rob	
TS	28.062	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	3.0.0	R99	S4	SUERBAUM, Clemens	Transfer>TSG#4
TS	29.002	Mobile Application Part (MAP) specification	3.11.0	R99	N4	DETTNER, Harald	
TS	29.004	Interworking between the Public Land Mobile Network (PLMN) and the Circuit Switched Public Data Network (CSPDN)	3.0.0	R99	-	BOSWARTHICK, David	N3 indicates not required for R99, so revert to 09.04 R98.
TS	29.005	Interworking between the Public Land Mobile Network (PLMN) and the Packet Switched Public Data Network (PSPDN) for Packet Assembly/Disassembly (PAD) facility access	3.0.0	R99	-	BOSWARTHICK, David	N3 indicates not required for R99, so revert to 09.05 R98.
TS	29.006	Interworking between a PLMN and the ISDN or PSTN for support of Packet Switched data transmission services	3.0.0	R99	-	BRAUN, Achim	N3 indicates not required for R99, so revert to 09.06 R98.
TS	29.007	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	3.9.0	R99	N3	KLEHN, Norbert	
TS	29.010	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	3.7.0	R99	N4	VACANT,	Transfer>TSG#4 (transfer??)
TS	29.011	Signalling Interworking for Supplementary Services	3.0.0	R99	N4	DETTNER, Harald	
TS	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	3.0.0	R99	N4	DETTNER, Harald	Transfer>TSG#4
TS	29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	3.1.0	R99	N1	MILLS, Duncan	
TS	29.018	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	3.8.0	R99	N1	MILLS, Duncan	
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	3.11.0	R99	N4	YOUNG, Michael	

Type	Number	Title	Ver at TSG#14	Rel	TSG/ WG	Editor	Comment
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	3.8.0	R99	N3	WILD, Johanna	Former title: "General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet".
TS	29.078	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	3.10.0	R99	N2	NOLDUS, Rogier	Transfer>TSG#4
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	3.2.0	R99	R3	VESELY, Alexander	TSG#8:Appeared as v2.0.0 (RP-000258)
TS	29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)	3.0.0	R99	N4	AIKAWA, Shinichiro	New after TSG#5
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3	3.1.0	R99	N4	MITAMURA, Kazuo	New after TSG#5
TS	29.198	Open Service Architecture (OSI) Application Programming Interface (API) - Part 1	3.4.0	R99	N5	KLOSTERMANN, Lucas	OSA subgroup. Was incorrectly shown as a TR; fixed @N#9.
TR	29.998	Open Services Architecture API part 2	3.2.0	R99	N5	KLOSTERMANN, Lucas	OSA subgroup
TR	30.531	Work Plan and Study Items - RAN WG3	0.9.3	R99	R3	TAYLOR, Carolyn	
TS	31.101	UICC-terminal interface; Physical and logical characteristics	3.3.0	R99	T3	VESTERGAARD, Peter	Contents is a reference to ETSI TR 102 221.
TS	31.102	Characteristics of the USIM Application	3.8.0	R99	T3	HEIM, Christian	
TS	31.110	Numbering system for telecommunication IC card applications	3.2.0	R99	T3	DIETRICH, Christian	Sanders April 2001: Will be scrapped in favour of an ETSI SCP document. May 2001: Sanders: "unscrapped". Contents will be change to a reference to ETSI TS 101 220.
TS	31.111	USIM Application Toolkit (USAT)	3.7.0	R99	T3	WOODSEND, Kristian	To include a GSM-specific annex from Rel-4 onwards, thus replacing 11.14.
TS	31.120	UICC-terminal interface; Physical, electrical and logical test specification	3.0.0	R99	T3	MAESER, Torsten	based on R99 core spec; split into 2 parts (this is 1). TSG#11:moved to ETSI-SCP
TS	31.121	UICC-terminal interface; USIM application test specification	3.1.0	R99	T3	AFCHAR, Ramin	based on R99 core spec; split into 2 parts (this is 2)
TS	31.122	USIM conformance test specification	3.1.0	R99	T3	KNIGHT, Simon	based on R99 core spec; was originally 31.121 but renumbered whch 31.120 was split into two parts
TR	31.900	SIM/USIM internal and external interworking aspects	3.1.0	R99	T3	KALINER, Stefan	
TS	32.005	Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain	3.5.0	R99	S5	~~KOBYLARZ, Thaddeus~~ BENDER, James	
TS	32.008	Subscriber and Equipment trace	none	R99	-	SJÖBLOM, Kai	Existence deduced from STF139 programme. But denied by Sjöblom.
TS	32.015	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain	3.8.0	R99	S5	~~KOBYLARZ, Thaddeus~~ LEHNERT, Matthias	
TS	32.101	3G Telecom Management principles and high level requirements	3.4.0	R99	S5	TRUSS, Michael	
TS	32.102	3G Telecom Management Architecture	3.2.0	R99	S5	BERGGREN, Tommy	
TS	32.104	3G Performance Management	3.5.0	R99	S5	NENNER, Karl-Heinz	
TS	32.106	3G Configuration Management	3.0.1	R99	S5	TOVINGER, Thomas	TSG#8: split into eight parts
TS	32.106-1	Telecommunication Management; Configuration Management; Part 1: 3G configuration management; Concept and requirements	3.1.0	R99	S5	PIRT, Trevor	SP-08: split into eight parts
TS	32.106-2	Telecommunication Management; Configuration Management; Part 2: Notification Integration Reference Point; Information Service version 1	3.3.0	R99	S5	TSE, Edwin	TSG#8: split into eight parts

Type	Number	Title	Ver at TSG#14	Rel	TSG/ WG	Editor	Comment
TS	32.106-3	Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1	3.3.0	R99	S5	SCHEER, Randal	TSG#8: split into eight parts
TS	32.106-4	Telecommunication Management; Configuration Management; Part 4: Notification Integration Reference Point: CMIP Solution Set Version 1:1	3.2.0	R99	S5	ZHOU, Di	TSG#8: split into eight parts
TS	32.106-5	Telecommunication Management; Configuration Management; Part 5: Basic Configuration Management IRP information model (including NRM) version 1	3.2.0	R99	S5	TOVINGER, Thomas	TSG#8: split into eight parts
TS	32.106-6	Telecommunication Management; Configuration Management; Part 6: Basic Configuration Management IRP CORBA solution set version 1:1	3.3.0	R99	S5	ZHOU, Di	TSG#8: split into eight parts
TS	32.106-7	Telecommunication Management; Configuration Management; Part 7: Basic Configuration Management IRP CMIP solution set version 1:1	3.3.0	R99	S5	TOVINGER, Thomas	TSG#8: split into eight parts
TS	32.106-8	Telecommunication Management; Configuration Management; Part 8: Name convention for Managed Objects	3.2.0	R99	S5	TOVINGER, Thomas	TSG#8: split into eight parts
TS	32.111	3G Fault Management	3.2.0	R99	S5	CICCHITTO, Gaetano	TSG#8: split into 4 parts
TS	32.111-1	Telecommunication Management; Fault Management; Part 1: 3G fault management requirements	3.2.0	R99	S5	TOVINGER, Thomas	TSG#8: split into 4 parts
TS	32.111-2	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	3.3.0	R99	S5	TOVINGER, Thomas	TSG#8: split into 4 parts
TS	32.111-3	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	3.6.0	R99	S5	TOVINGER, Thomas	TSG#8: split into 4 parts
TS	32.111-4	Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set	3.2.0	R99	S5	TOVINGER, Thomas	TSG#8: split into 4 parts
TS	33.102	3G security; Security architecture	3.10.0	R99	S3	BLOMMAERT, Marc	
TS	33.103	3G security; Integration guidelines	3.7.0	R99	S3	BLANCHARD, Colin	
TS	33.105	Cryptographic Algorithm requirements	3.8.0	R99	S3	CHIKAZAWA, Takeshi	
TS	33.106	Lawful interception requirements	3.1.0	R99	S3	WILHELM, Berthold	
TS	33.107	3G security; Lawful interception architecture and functions	3.4.0	R99	S3	WILHELM, Berthold	
TS	33.120	Security Objectives and Principles	3.0.0	R99	S3	WRIGHT, Tim	
TR	33.900	Guide to 3G security	1.2.0	R99	S3	BROOKSON, Charles	
TR	33.901	Criteria for cryptographic Algorithm design process	3.0.0	R99	S3	BLOM, Rolf	
TR	33.902	Formal Analysis of the 3G Authentication Protocol	3.1.0	R99	S3	HORN, Guenther	
TR	33.908	3G Security; General report on the design, specification and evaluation of 3GPP standard confidentiality and integrity algorithms	3.0.0	R99	S3	WALKER, Michael	TSG#7: S3-000105=NP-000049
TR	33.909	3G Security; Report on the design and evaluation of the MILENAGE algorithm set; Deliverable 5: An example algorithm for the 3GPP authentication and key generation functions	3.0.0	R99	S3	WALKER, Michael	TSG#7: Is a reference in 33.908. Was withdrawn, but reinstated at TSG#10.
TS	34.108	Common Test Environments for User Equipment (UE) Conformance Testing	3.6.0	R99	T1	CHALABI, Nouhman	
TS	34.109	Logical Test Interface (TDD and FDD)	3.4.0	R99	R2	BERGGREN, Anders	TSG#7: Will be transferred to RAN2 after approval. TSG#8:txfer is delayed. TSG#9: Stable, so txfered from T1 to R2.

Type	Number	Title	Ver at TSG#14	Rel	TSG/ WG	Editor	Comment
TS	34.121	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	3.7.0	R99	T1	HIGUCHI, Kenji	
TS	34.122	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	3.6.0	R99	T1	MAUCKSCH, Thomas	
TS	34.123-1	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	3.5.0	R99	T1	SALMERON, Lidia	
TS	34.123-2	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	3.5.0	R99	T1	HU, Shicheng	
TS	34.123-3	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	1.0.5	R99	T1	HU, Shicheng	
TS	34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	3.3.0	R99	R4	SOERENSEN, Ole	T1->R4@TSG#10
TR	34.907	Report on electrical safety requirements and regulations	3.0.0	R99	T2	IIMORI, Eiji	
TR	34.925	Specific Absorption Rate (SAR) requirements and regulations in different regions	3.0.0	R99	T2	JOHNSSON, Sven	
TS	35.201	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications	3.2.0	R99	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification	3.1.2	R99	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.203	Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data	3.1.2	R99	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.204	Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data	3.1.2	R99	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TR	35.205	3G Security; Specification of the MILENAGE Algorithm Set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 1: General	3.0.0	R99	S3	WALKER, Michael	ex SAGE
TS	35.206	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 2: Algorithm specification	3.0.0	R99	S3	WALKER, Michael	ex SAGE
TS	35.207	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 3: Implementors' test data	3.0.0	R99	S3	WALKER, Michael	ex SAGE
TS	35.208	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 4: Design conformance test data	3.0.0	R99	S3	WALKER, Michael	ex SAGE
TS	35.209	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 5: Summary and results of design and evaluation	3.0.0	R99	S3	WALKER, Michael	ex SAGE

D.3 Release 4 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#14	Rel	TSG/ WG	Editor	Comment
TS	21.102	3rd Generation mobile system Release 4 specifications	4.3.0	Rel-4	SP	MEREDITH, John M	
TS	21.111	USIM and IC card requirements	4.0.0	Rel-4	T3	KALINER, Stefan	
TS	21.133	3G security; Security threats and requirements	4.1.0	Rel-4	S3	CHRISTOFFERSSON, Per	
TR	21.801	Specification drafting rules	4.2.0	Rel-4	SP	MEREDITH, John M	
TR	21.900	Technical Specification Group working methods	4.0.0	Rel-4	SP	MEREDITH, John M	
TR	21.905	Vocabulary for 3GPP Specifications	4.4.0	Rel-4	S1	ZARRI, Michele	
TS	22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	4.2.0	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)	4.2.0	Rel-4	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	4.2.0	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.004	General on Supplementary Services	4.0.0	Rel-4	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.011	Service accessibility	4.5.0	Rel-4	S1	GALLAIRE, Jean Paul	Transfer>TSG#4
TS	22.016	International Mobile Equipment Identities (IMEI)	4.0.0	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	4.0.0	Rel-4	S3	NGUYEN NGOC, Sebastien	Transfer>TSG#4
TS	22.024	Description of Charge Advice Information (CAI)	4.0.0	Rel-4	S1	DWYER, Paul	Transfer>TSG#4,CR at TSG#5
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	4.0.0	Rel-4	S1	TOIVANEN, Annukka	Transfer>TSG#4
TS	22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	4.0.0	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	4.1.0	Rel-4	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.041	Operator Determined Call Barring	4.1.0	Rel-4	S1	WOLAK, Stephen	Transfer>TSG#4
TS	22.042	Network Identity and Time Zone (NITZ), stage 1	4.0.0	Rel-4	S1	DAHLKVIST, Mikael	Transfer>TSG#4
TS	22.043	Support of Localized Service Area (SoLSA); Service description; Stage 1	none	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.048	Security Mechanisms for the (U)SIM application toolkit; Stage 1	4.0.0	Rel-4	T3	BARNES, Nigel	TP-12: was previously 42.048.
TS	22.053	Tandem Free Operation (TFO); Service description; Stage 1	4.0.1	Rel-4	S4	NAVARRO, William	Transfer>TSG#4.
TS	22.057	Mobile Execution Environment (MExE); Stage 1	4.0.0	Rel-4	S1	CATALDO, Mark	Transfer>TSG#4: Rel-4 changes title from "Mobile Station Application Execution Environment (MExE); Stage 1".
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	4.2.0	Rel-4	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	4.0.0	Rel-4	S1	SWETINA, Joerg	Transfer>TSG#4
TS	22.071	Location Services (LCS); Stage 1	4.3.0	Rel-4	S1	WOHLERT, Randolph	Transfer>TSG#4
TS	22.072	Call Deflection (CD); Stage 1	4.0.0	Rel-4	S1	RAUCH, Horst	Transfer>TSG#4
TS	22.076	Noise suppression for the AMR codec; Service description; Stage 1	4.0.1	Rel-4	S4	USAI, Paolino	
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	4.4.0	Rel-4	S1	GRECH, Michel	Transfer>TSG#4
TS	22.079	Support of optimal routeing; Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4

Type	Number	Title	Ver at TSG#14	Rel	TSG/ WG	Editor	Comment
TS	22.081	Line Identification supplementary services; Stage 1	4.0.0	Rel-4	S1	AHNBERG, Tomas	Transfer>TSG#4
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	4.1.0	Rel-4	S1	EVEN, Anne	Transfer>TSG#4
TS	22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.084	MultiParty (MPTY) supplementary service; Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.086	Advice of Charge (AoC) supplementary services; Stage 1	4.0.0	Rel-4	S1	DWYER, Paul	Transfer>TSG#4
TS	22.087	User-to-user signalling (UUS); Stage 1	4.0.0	Rel-4	S1	BRADEN, Christian	Transfer>TSG#4
TS	22.088	Call Barring (CB) supplementary services; Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	4.0.0	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.094	Follow Me service description - Stage 1	4.0.0	Rel-4	S1	BERGMANN, Ansgar	Transfer>TSG#4. GSM only @TSG#5
TS	22.096	Name identification supplementary services; Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1	4.0.0	Rel-4	S1	DWYER, Paul	Transfer>TSG#4
TS	22.101	Service aspects; Service principles	4.5.0	Rel-4	S1	DWYER, Paul	
TS	22.105	Services & service capabilities	4.2.0	Rel-4	S1	EVEN, Anne	
TS	22.112	USIM toolkit interpreter; Stage 1	4.0.0	Rel-4	T3	MEYER, Michael	
TS	22.115	Service Aspects Charging and billing	4.0.0	Rel-4	S1	MONTEGROSSO, Emanuele	
TS	22.121	Service aspects; The Virtual Home Environment; Stage 1	4.1.0	Rel-4	S1	OGUNBEKUN, Jumoke	Former title: "Provision of Services in UMTS - The Virtual Home Environment; Stage 1"
TS	22.127	Service Requirement for the Open Services Access (OSA); Stage 1	4.3.0	Rel-4	S1	SWETINA, Joerg	
TS	22.129	Handover requirements between UTRAN and GERAN or other radio systems	4.4.0	Rel-4	S1	SAMPSON, Nick	
TS	22.135	Multicall; Service description; Stage 1	4.0.0	Rel-4	S1	KOKKOLA, Tommi	
TS	22.140	Service aspects; Stage 1; Multimedia Messaging Service	4.1.0	Rel-4	S1	LAUMEN, Josef	(development in T2)
TS	22.227	Service requirements for the Open Service Access (OSA)	none	Rel-4	S1	HELLSTROM, Gunnar	Clayton Apr-2001: spec not required (see 22.127)
TR	22.976	Study on PS domain services and capabilities	2.0.0	Rel-4	S1	CATALDO, Mark	Created Jan-00
TR	22.976	Study on PS domain services and capabilities	2.0.0	Rel-4	S1	CATALDO, Mark	Created Jan-00
TS	23.002	Network Architecture	4.4.0	Rel-4	S2	SULTAN, Alain	Transfer>TSG#4,CR at TSG#5
TS	23.003	Numbering, Addressing and Identification	4.3.0	Rel-4	N4	GAASVIK, Per-Ola	
TS	23.007	Restoration procedures	4.0.0	Rel-4	N4	RUSSELL, Nick	
TS	23.008	Organisation of subscriber data	4.1.0	Rel-4	N4	BAUER, Rolf	
TS	23.009	Handover procedures	4.3.0	Rel-4	N1	FARHOUMAND, Rouzbeh	
TS	23.011	Technical realization of Supplementary Services	4.0.0	Rel-4	N4	CONRAD, Alan	
TS	23.012	Location management procedures	4.0.0	Rel-4	N4	VACANT,	
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	4.0.0	Rel-4	N1	ZAUS, Robert	Should not be in UMTS ????
TS	23.015	Technical realisation of Operator Determined Barring (ODB)	4.0.0	Rel-4	N4	PARK, Ian David Chalmers	
TS	23.016	Subscriber data management; Stage 2	4.0.0	Rel-4	N4	VACANT,	
TS	23.018	Basic Call Handling; Technical realization	4.5.0	Rel-4	N4	PARK, Ian David Chalmers	
TS	23.032	Universal Geographical Area Description (GAD)	4.0.0	Rel-4	S2	HIETALAHTI, Hannu	S2 responsibility?
TS	23.034	High Speed Circuit Switched Data (HSCSD); Stage 2	4.0.0	Rel-4	N1	KOKKOLA, Tommi	

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TS	23.038	Alphabets and language-specific information	4.4.0	Rel-4	T2	HARRIS, Ian	
TR	23.039	Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)	4.0.0	Rel-4	T2	HARRIS, Ian	
TS	23.040	Technical realization of Short Message Service (SMS)	4.5.0	Rel-4	T2	HARRIS, Ian	
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	4.2.0	Rel-4	T2	HARRIS, Ian	Transfer>TSG#4
TS	23.042	Compression algorithm for SMS	4.0.1	Rel-4	T2	HARRIS, Ian	
TS	23.048	Security Mechanisms for the (U)SIM application toolkit; Stage 2	4.2.0	Rel-4	T3	BARNES, Nigel	TP-12: replaces 43.048.
TS	23.053	Tandem Free Operation (TFO); Service description; Stage 2	4.0.1	Rel-4	S4	USAI, Paolino	No draft.
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	4.4.0	Rel-4	T2	CATALDO, Mark	Apr-2001: " Station Application" removed from title.
TS	23.060	General Packet Radio Service (GPRS) Service description; Stage 2	4.3.1	Rel-4	S2	DELECKI, Andrew	Transfer>TSG#4
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	4.0.0	Rel-4	N4	LOPEZ SORIA, Luis	Transfer>TSG#4, CR at TSG#5
TS	23.067	Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2	4.1.0	Rel-4	N4	PERLICK, Vivien	
TS	23.072	Call Deflection Supplementary Service; Stage 2	4.0.0	Rel-4	N4	CONRAD, Alan	
TS	23.073	Support of Localised Service Area (SoLSA); Stage 2	4.0.0	Rel-4	N4	KYMALAINEN, Kimmo	Transfer>TSG#4. 2001-10-09 Rapporteur changed from Ch Homann.
TS	23.078	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	4.3.0	Rel-4	N2	HOMANN, Christian	CR at TSG#4,CR at TSG#5
TS	23.079	Support of Optimal Routeing (SOR); Technical realization; Stage 2	4.0.0	Rel-4	N4	PARK, Ian David Chalmers	CR at TSG#4,CR at TSG#5
TS	23.081	Line Identification supplementary services; Stage 2	4.0.0	Rel-4	N4	VACANT,	
TS	23.082	Call Forwarding (CF) Supplementary Services; Stage 2	4.2.0	Rel-4	N4	VACANT,	
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	4.3.0	Rel-4	N4	RUSSELL, Nick	
TS	23.084	MultiParty (MPTY) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	RUSSELL, Nick	
TS	23.085	Closed User Group (CUG) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	23.090	Unstructured Supplementary Service Data (USSD); Stage 2	4.0.0	Rel-4	N4	CROOK, Mick	
TS	23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	RUSSELL, Nick	
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	23.094	Follow Me Stage 2	4.0.0	Rel-4	N4	SWETINA, Joerg	Transfer>TSG#4. GSM only @TSG#5
TS	23.096	Name Identification Supplementary Service; Stage 2	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	4.0.0	Rel-4	N4	HEWSON, Ruth	Transfer>TSG#4,CR at TSG#5
TS	23.101	General UMTS Architecture	4.0.0	Rel-4	S2	OLSSON, Magnus	
TS	23.107	Quality of Service (QoS) concept and architecture	4.3.0	Rel-4	S2	GREIS, Marc	was 23.907
TS	23.108	Mobile Radio Interface Layer 3 specification Core Network Protocols stage 2 (structured procedures)	4.0.0	Rel-4	N1	SALKINTZIS, Apostolis	
TS	23.110	UMTS Access Stratum Services and Functions	4.0.0	Rel-4	S2	LOPEZ-TORRES, Oscar	
TS	23.116	Super-Charger technical realization; Stage 2	4.2.0	Rel-4	N4	ALLEN, Nicholas	New after TSG#5
TS	23.119	Gateway Location Register (GLR); Stage2	4.0.0	Rel-4	N4	SAWADA, Masahiro	New after TSG#5

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TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	4.1.0	Rel-4	N1	HIETALAHTI, Hannu	
TS	23.127	Virtual Home Environment (VHE); Stage 2	4.2.0	Rel-4	S2	GOURRAUD, Christophe	Sept 00: "Open Service Architecture" removed from title.
TS	23.135	Multicall supplementary service; Stage 2	4.0.0	Rel-4	N4	MITAMURA, Kazuo	
TS	23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2	4.5.0	Rel-4	T2	LAUMEN, Josef	
TS	23.146	Technical realisation of facsimile Group 3 service - non-transparent	4.1.0	Rel-4	N3	HAGIWARA, Junichiro	
TS	23.153	Out of Band Transcoder Control; Stage 2	4.4.0	Rel-4	N4	VACANT,	New after TSG#5
TS	23.171	Functional stage 2 description of location services in UMTS	4.0.0	Rel-4	S2	KÅLL, Jan	
TS	23.205	Bearer-independent circuit-switched core network; Stage 2	4.3.0	Rel-4	N4	GARCIA-MENDIVE, Elena	2000-10: Rap change from Keutmann.
TS	23.207	End to end quality of service concept and architecture	2.0.0	Rel-4	S2	OYAMA, Johnson	
TS	23.221	Architectural requirements	4.1.0	Rel-4	S2	DANIEL, Elizabeth	Derived from R99-specific 23.121
TS	23.227	Application and user interaction in the UE; Principles and specific requirements	4.1.0	Rel-4	T2	TOMÉ, Olga	
TS	23.271	Functional stage 2 description of location services	4.4.0	Rel-4	S2	KÅLL, Jan	post-TSG#8: Recombined 2G and 3G spec for R00 onwards.
TR	23.814	Separating RR and MM specific parts of the MS Classmark	4.0.0	Rel-4	N1	YOKOTA, Fumihiko	New after TSG#5
TR	23.821	Architecture Principles for Relase 2000	1.0.1	Rel-4	S2	LIND, Christer	New after TSG#5
TR	23.873	Feasibility study fro transport and control separation in the PS CN domain	4.0.0	Rel-4	S2	IBANEZ, Juan-Antonio	
TR	23.874	Feasibility study of architecture for network requested PDP context activation with User-ID	1.3.0	Rel-4	S2	KITADA, Yoshinori	
TR	23.907	Quality of Service concept	1.2.0	Rel-4	S2	VACANT,	
TR	23.908	Technical report on Pre-Paging	4.0.0	Rel-4	N4	VACANT,	
TR	23.909	Technical report on the Gateway Location Register	4.0.0	Rel-4	N4	PARK, Ian David Chalmers	
TR	23.910	Circuit switched data bearer services	4.4.0	Rel-4	N3	WIIK, Rune Werner	03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval)
TR	23.911	Technical report on Out-of-band transcoder control	4.0.0	Rel-4	N4	KYMALAINEN, Kimmo	
TR	23.912	Technical report on Super-Charger	4.1.0	Rel-4	N4	SHARP, Iain	
TR	23.913	UMTS Turbo-Charger	1.0.0	Rel-4	-	GARAPATY, Sonia	New after TSG#5
TR	23.913	UMTS Turbo-Charger	1.0.0	Rel-4	-	GARAPATY, Sonia	New after TSG#5
TR	23.922	Architecture for an All IP network	4.0.0	Rel-4	S2	DANIEL, Elizabeth	TSG#5: 1.0.0
TR	23.923	Combined GSM and Mobile IP mobility handling in UMTS IP CN	4.0.0	Rel-4	S2	HUBBARD, Elisabeth	
TR	23.925	UMTS Core network based ATM transport	none	Rel-4	S2	ROUZ, Adel	Oct 00: S2 Secretary indicates this spec is out of date and should be withdrawn.
TR	23.930	Iu Principles	4.0.0	Rel-4	S2	AXERUD, Bo	
TR	23.972	Circuit Switched Multimedia Telephony	4.0.0	Rel-4	N1	KAUHANEN, Timo	New after TSG#5. Minor title change TSG#7.
TS	24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	4.0.0	Rel-4	N1	ANDERSEN, Niels Peter Skov	
TS	24.004	Layer 1 - General Requirements	4.0.0	Rel-4	G2	THOMAS, Rémi	Apr-2001: Not required. See 44.004.
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	4.1.0	Rel-4	N1	HOWELL, Andrew	Transfer>TSG#4,CR at TSG#5
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	4.5.0	Rel-4	N1	HOWELL, Andrew	CR correction produced 3.0.1, CR at TSG#5. Outstanding issues not expected to be resolved till Jun00.
TS	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	4.2.0	Rel-4	N4	ANDERSEN, Niels Peter Skov	

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TS	24.011	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	4.0.0	Rel-4	N1	ANDERSEN, Niels Peter Skov	Transfer>TSG#4
TS	24.012	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	none	Rel-4	G2	AL -BAKRI, Ban	Transfer>TSG#4; N#9:proposed to scrap this spec and return it to 2g status (04.12 R99) and shift responsibility to G2 (and should have been N2 anyway). Agreed to txfer to G2, but still as 24.012.
TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	4.0.0	Rel-4	N3	KLEHN, Norbert	CR at TSG#4 (post TSG#4 approval) includes title change. Old title: "Radio Link Protocol (RLP) for Data and Telematic Services on the (MS-BSS) Interface and the Base Station System - Mobile-services Switching Centre (BSS-MSC) Interface".
TS	24.030	Location Services (LCS); Supplementary service operations; Stage 3	4.2.0	Rel-4	N4	GARAPATY, Sonia	TSG#7: txfrd from SMG to 3GPP for R99.
TS	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	4.1.0	Rel-4	N4	PERLICK, Vivien	
TS	24.072	Call Deflection Supplementary Service; Stage 3	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	4.2.0	Rel-4	N4	DETTNER, Harald	
TS	24.081	Line Identification Supplementary Service; Stage 3	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	24.082	Call Forwarding Supplementary Service; Stage 3	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3	4.0.0	Rel-4	N4	RUSSELL, Nick	
TS	24.084	MultiParty (MPTY) Supplementary Service; Stage 3	4.0.0	Rel-4	N4	RUSSELL, Nick	
TS	24.085	Closed User Group (CUG) Supplementary Service; Stage 3	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	24.086	Advice of Charge (AoC) Supplementary Service; Stage 3	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	24.087	User-to-User Signalling (UUS); Stage 3	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	24.088	Call Barring (CB) Supplementary Service; Stage 3	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	24.090	Unstructured Supplementary Service Data (USSD); Stage 3	4.0.0	Rel-4	N4	BRUSS, Jörg	
TS	24.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 3	4.0.0	Rel-4	N4	RUSSELL, Nick	
TS	24.093	Call Completion to Busy Subscriber (CCBS); Stage 3	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	24.096	Name Identification Supplementary Service; Stage 3	4.0.0	Rel-4	N4	DETTNER, Harald	
TS	24.10U	UMTS Interworking and internetworking signalling aspects; Requirements for provision of UMTS services via satellite access	none	Rel-4		,	
TS	24.135	Multicall supplementary service; Stage 3	4.1.0	Rel-4	N4	MITAMURA, Kazuo	
TR	24.946	reserved	none	Rel-4		VACANT,	
TS	25.101	UE Radio transmission and reception (FDD)	4.3.0	Rel-4	R4	FERNANDES, Edgar	
TS	25.102	UTRA (UE) TDD; Radio transmission and reception	4.3.0	Rel-4	R4	KOTTKAMP, Meik	
TS	25.104	UTRA (BS) FDD; Radio transmission and reception	4.3.0	Rel-4	R4	SKÖLD, Johan	
TS	25.105	UTRA (BS) TDD: Radio transmission and reception	4.3.0	Rel-4	R4	KOTTKAMP, Meik	
TS	25.106	UTRA Repeater; Radio transmission and reception	4.1.0	Rel-4	R4	NILSSON, Martin	
TS	25.107	UTRA Repeater; Conformance testing	0.0.1	Rel-4	-	NILSSON, Martin	-> 25.143
TS	25.113	Base station and repeater ElectroMagnetic Compatibility (EMC)	4.2.0	Rel-4	R4	BARNES, David	
TS	25.123	Requirements for support of radio resource management (TDD)	4.3.0	Rel-4	R4	RONCHINI, M. Cristina	
TS	25.133	Requirements for support of radio resource management (FDD)	4.3.0	Rel-4	R4	RONCHINI, M. Cristina	
TS	25.141	Base station conformance testing (FDD)	4.3.0	Rel-4	R4	NAKAMURA, Takaharu	

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TS	25.142	Base station conformance testing (TDD)	4.3.0	Rel-4	R4	MEYER, Juergen	
TS	25.143	UTRA Repeater; Conformance testing	4.2.0	Rel-4	R4	KUMMETZ, Thomas	Created by renumbering 25.107
TS	25.201	Physical layer - general description	4.1.0	Rel-4	R1	TOSKALA, Antti	
TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	4.3.0	Rel-4	R1	WILDE, Andreas	
TS	25.212	Multiplexing and channel coding (FDD)	4.3.0	Rel-4	R1	TANAKA, Yoshinori	
TS	25.213	Spreading and modulation (FDD)	4.2.0	Rel-4	R1	CHAMBERS, Peter	
TS	25.214	Physical layer procedures (FDD)	4.3.0	Rel-4	R1	IKEDA, Shinobu	
TS	25.215	Physical layer; Measurements (FDD)	4.3.0	Rel-4	R1	IKEDA, Shinobu	
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	4.3.0	Rel-4	R1	HIRAMATSU, Katsuhiko	
TS	25.222	Multiplexing and channel coding (TDD)	4.2.0	Rel-4	R1	KAHTAVA, Jussi	
TS	25.223	Spreading and modulation (TDD)	4.3.0	Rel-4	R1		
TS	25.224	Physical layer procedures (TDD)	4.3.0	Rel-4	R1	OESTREICH, Stefan	
TS	25.225	Physical layer; Measurements (TDD)	4.3.0	Rel-4	R1	IKEDA, Shinobu	
TS	25.301	Radio Interface Protocol Architecture	4.2.0	Rel-4	R2	GRANZOW, Wolfgang	
TS	25.302	Services provided by the physical layer	4.3.0	Rel-4	R2	MIHAILESCU, Claudiu	V3.0.0 approved via e-mail July 99 CR at TSG#5?
TS	25.303	Interlayer procedures in Connected Mode	4.3.0	Rel-4	R2	RINNE, Mikko J	
TS	25.304	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	4.3.0	Rel-4	R2	MAHKONEN, Marko	
TS	25.305	Stage 2 functional specification of UE positioning in UTRAN	4.2.0	Rel-4	R2	MIHAILESCU, Claudiu	Created from 25.923
TS	25.306	UE Radio Access capabilities definition	4.3.0	Rel-4	R2	BERGGREN, Anders	Converted from TR 25.925 at TSG#10.
TS	25.307	Requirements on UEs supporting a release-independent frequency band	4.1.0	Rel-4	R2	FAUCONNIER, Denis	Release independent! - sort of. RP-13: responsibility: R2 = signalling requirements, R4 = RF & RMM requirements.
TS	25.321	Medium Access Control (MAC) protocol specification	4.3.0	Rel-4	R2	GESSNER, Christina	
TS	25.322	Radio Link Control (RLC) protocol specification	4.3.0	Rel-4	R2	MADELAINE, Sebastien	
TS	25.323	Packet Data Convergence Protocol (PDCP) specification	4.3.0	Rel-4	R2	HANS, Martin	
TS	25.324	Broadcast/Multicast Control (BMC)	4.0.0	Rel-4	R2	KRISCHAN, Peter	
TS	25.331	Radio Resource Control (RRC) protocol specification	4.3.0	Rel-4	R2	KUCHIBHOTLA, Ravi	
TS	25.371	LMU signalling	none	Rel-4	-	MOULY, Michel	Created Jan 00; wdrwn Apr00
TS	25.401	UTRAN Overall Description	4.2.0	Rel-4	R3	CALMEL, Jean-Marie	Approval at TSG#5
TS	25.402	Synchronisation in UTRAN Stage 2	4.3.0	Rel-4	R3	PIOLINI, Flavio	New
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	4.3.0	Rel-4	R3	TOWNEND, Richard	Approval at TSG#5
TS	25.411	UTRAN Iu interface Layer 1	4.1.0	Rel-4	R3	BRANDT, Achim V.	
TS	25.412	UTRAN Iu interface signalling transport	4.0.0	Rel-4	R3	THAKARE, Kiran	
TS	25.413	UTRAN Iu interface RANAP signalling	4.3.0	Rel-4	R3	JUSSILA, Jyrki	
TS	25.414	UTRAN Iu interface data transport & transport signalling	4.2.0	Rel-4	R3	COMSTOCK, David	
TS	25.415	UTRAN Iu interface user plane protocols	4.3.0	Rel-4	R3	MAUPIN, Alain	
TS	25.419	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	4.3.0	Rel-4	R3	TAYLOR, Carolyn	
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	4.1.0	Rel-4	R3	THAKARE, Kiran	
TS	25.421	UTRAN Iur interface Layer 1	4.0.0	Rel-4	R3	BRANDT, Achim V.	
TS	25.422	UTRAN Iur interface signalling transport	4.1.0	Rel-4	R3	THAKARE, Kiran	
TS	25.423	UTRAN Iur interface RNSAP signalling	4.3.0	Rel-4	R3	RUNE, Göran	
TS	25.424	UTRAN Iur interface data transport & transport signalling for CCH data streams	4.1.0	Rel-4	R3	DREVON, Nicolas	

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TS	25.425	UTRAN Iur interface user plane protocols for CCH data streams	4.2.0	Rel-4	R3	DREVON, Nicolas	
TS	25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	4.1.0	Rel-4	R3	KEKKI, Sami	
TS	25.427	UTRAN Iur and Iub interface user plane protocols for DCH data streams	4.3.0	Rel-4	R3	LONGONI, Fabio	
TS	25.430	UTRAN Iub Interface: General Aspects and Principles	4.2.0	Rel-4	R3	WILSON, Mick	
TS	25.431	UTRAN Iub interface Layer 1	4.0.0	Rel-4	R3	BRANDT, Achim V.	
TS	25.432	UTRAN Iub interface signalling transport	4.0.0	Rel-4	R3	WILSON, Mick	
TS	25.433	UTRAN Iub interface NBAP signalling	4.3.0	Rel-4	R3	ISHIKAWA, Nobutaka	
TS	25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	4.2.0	Rel-4	R3	ALDEN, Magnus	
TS	25.435	UTRAN Iub interface user plane protocols for CCH data streams	4.3.0	Rel-4	R3	CALMEL, Jean-Marie	
TS	25.442	UTRAN Implementation Specific O&M Transport	4.0.0	Rel-4	R3	RECKER, Stephan	
TR	25.832	Manifestations of Handover and SRNS relocation	4.0.0	Rel-4	R3	TOWNEND, Richard	
TR	25.834	UTRA TDD low chip rate option; Radio protocol aspects	4.1.0	Rel-4	R2	LIU, YanHui	
TR	25.835	Report on hybrid ARQ type II/III	1.0.0	Rel-4	R2	SITTE, Armin	
TR	25.836	Node B synchronization for TDD	4.1.0	Rel-4	R1	OESTREICH, Stefan	
TR	25.837	Hybrid ARQ Type II/III (Iub/Iur aspects)	0.1.0	Rel-4	R3	BRANDT, Achim V.	
TR	25.838	Node B Synchronisation for TDD (Iub/Iur aspects)	4.1.0	Rel-4	R3	LENHART, Johannes	
TR	25.839	Uplink Synchronous Transmission Scheme (USTS) (Iur/Iub aspects)	0.3.0	Rel-4	R3	PARK, Jin Hyo	
TR	25.840	Terminal power saving features	2.3.0	Rel-4	R1	LEE, Ju Ho	
TR	25.841	DSCH power control improvement in soft handover	4.1.0	Rel-4	R1	TOSKALA, Antti	
TR	25.842	Smart antenna	1.0.0	Rel-4	R1	HU, Jinling	
TR	25.843	1,28 Mcps TDD UE Radio Access Capabilities	4.1.0	Rel-4	R2	ZHU, Yifei	
TR	25.844	Radio acces bearer support enhancements	4.1.0	Rel-4	R2	KRISHNARAJAH, Ainkaran	
TR	25.845	FDD RACH and AICH performance requirements	0.0.3	Rel-4	R4	VIHRIÄLÄ, Jaakko	
TR	25.846	CPCH performance	none	Rel-4	R4	KWAK, Joe	2001-02-13: scrapped
TR	25.847	UE positioning enhancements	4.0.0	Rel-4	R2	BECKMANN, Mark	
TR	25.848	Physical Layer Aspects of UTRA High Speed Downlink Packet Access	4.0.0	Rel-4	R1	IKEDA, Shinobu	
TR	25.849	DSCH power control improvement in soft handover	4.0.0	Rel-4	R3	WOONHEE, Hwang	
TR	25.850	UE positioning in UTRAN Iub/Iur protocol aspects	4.3.0	Rel-4	R3	HAUTALA, Jari	
TR	25.851	RAB Quality of Service Renegotiation over Iu	4.0.0	Rel-4	R3	IRWIN, Sania	
TR	25.852	Radio access bearer support enhancements for the Iu	0.0.0	Rel-4	R3	DIESEN, Michael	
TR	25.853	Delay budget within the access stratum	4.0.0	Rel-4	R3	DELL'ACQUA, Massimo	Was 25.932. Approved and renumbered at TSG#10.
TR	25.921	Guidelines and principles for protocol description and error handling	4.3.0	Rel-4	R2	GILLY, Sylviane	
TR	25.922	Radio Resource Management Strategies	4.1.0	Rel-4	R2	MAGNANI, Nicola Pio	
TR	25.924	Opportunity Driven Multiple Access (ODMA)	1.0.0	Rel-4	R2	LAW, Alan	
TR	25.928	1,28 Mcps functionality for UTRA TDD physical layer	4.0.1	Rel-4	R1	AKSENTIJEVIC, Mirko	Created R1#10, Jan 99.
TR	25.931	UTRAN Functions, examples on signalling procedures	4.2.0	Rel-4	R3	SCARRONE, Enrico	
TR	25.932	Delay budget within the access stratum	2.0.0	Rel-4	R3	TAYLOR, Carolyn	->25.853 @ TSG#10.
TR	25.933	IP Transport in UTRAN	1.4.1	Rel-4	R3	DREVON, Nicolas	
TR	25.934	AAL2 QoS optimization	4.0.0	Rel-4	R3	YOSHIMURA, Takayuki	

Type	Number	Title	Ver at TSG#14	Rel	TSG/ WG	Editor	Comment
TR	25.935	RRM optimisation	4.0.0	Rel-4	R3	VAN LIESHOUT, Gert-Jan	
TR	25.936	Handover for realtime services from PS-domain	4.0.1	Rel-4	R3	MOUSSET, Claire	
TR	25.937	UTRAN TDD low chiprate	4.1.0	Rel-4	R3	XU, Bing	
TR	25.938	Terminal power saving features	2.0.0	Rel-4	R3	CHOI, Sungho	
TR	25.942	RF system scenarios	4.1.0	Rel-4	R4	BENABDALLAH, Nadia	Additional rapporteur = A.De Pasquale.
TR	25.943	Deployment aspects	4.1.0	Rel-4	R4	SKÖLD, Johan	
TR	25.944	Channel coding and multiplexing examples	4.1.0	Rel-4	R1	IKEDA, Shinobu	Created Jan 2000 (aka R1.04)
TR	25.945	RF requirements for low chip rate TDD option	4.1.1	Rel-4	R4	ZHANG, Daijun	
TR	25.946	RAB Quality of Service Negotiation over Iu	4.0.0	Rel-4	R3	MOLANDER, Anders	
TR	25.950	UTRA high speed downlink packet access	4.0.0	Rel-4	R2	KUCHIBHOTLA, Ravi	
TR	25.951	Base Station classification (FDD)	1.1.0	Rel-4	R4	LAGERSTAM, Timo	
TR	25.952	Base Station classification (TDD)	1.1.0	Rel-4	R4	AXNESS, Timothy	
TR	25.953	TrFO/TFO	4.0.0	Rel-4	R3	VESELY, Alexander	
TR	25.954	Migration to modification procedure	4.0.0	Rel-4	R3	YOSHIMURA, Takayuki	
TR	25.956	UTRA repeater: Planning guidelines and system analysis	4.0.0	Rel-4	R4	GARCIA LOPEZ, Lorena	.
TS	26.071	AMR speech Codec; General description	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.073	AMR speech Codec; C-source code	4.1.0	Rel-4	S4	EKUDDEN, Erik	
TS	26.074	AMR speech Codec; Test sequences	4.0.1	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.077	Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder	4.0.0	Rel-4	S4	USAI, Paolino	
TR	26.078	Results of the AMR noise suppression selection phase	4.0.0	Rel-4	S4	USAI, Paolino	Replaced by 26.978.
TS	26.090	AMR speech Codec; Transcoding Functions	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.091	AMR speech Codec; Error concealment of lost frames	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.093	AMR speech Codec; Source Controlled Rate operation	4.0.0	Rel-4	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels	4.0.0	Rel-4	S4	USAI, Paolino	Transfer>TSG#4
TS	26.101	AMR speech Codec; Frame Structure	4.1.0	Rel-4	S4	HAGQVIST, Jari	
TS	26.102	AMR speech Codec; Interface to Iu and Uu	4.0.0	Rel-4	S4	NAVARRO, William	
TS	26.103	Codec lists	4.2.0	Rel-4	S4	HELLWIG, Karl	New after TSG#5
TS	26.104	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	4.2.0	Rel-4	S4	USAI, Paolino	
TS	26.110	Codec for circuit switched multimedia telephony service; General description	4.1.0	Rel-4	S4	ARONSON, Barry	
TS	26.111	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	4.0.0	Rel-4	S4	ARONSON, Barry	CR at TSG#5
TS	26.115	Echo control for speech and multi-media services	4.0.0	Rel-4	S4	USAI, Paolino	
TS	26.131	Terminal acoustic characteristics for telephony; Requirements	4.1.0	Rel-4	S4	GOETZ, Ian	
TS	26.132	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	4.1.0	Rel-4	S4	GOETZ, Ian	
TS	26.226	Global text telephony;Transport of text in the voice channel	4.0.0	Rel-4	S4	HELLSTROM, Gunnar	
TS	26.230	Global text telephony; Cellular text telephone modem transmitter C-code description	4.0.0	Rel-4	S4	HELLSTROM, Gunnar	
TS	26.233	End-to-end transparent streaming service; General description	4.1.0	Rel-4	S4	HONKO, Harri	

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TS	26.234	End-to-end transparent streaming service; Protocols and codecs	4.2.0	Rel-4	S4	NOHLGREN, Anders	
TS	26.235	Packet switched conversational multimedia applications; Default codecs	4.1.0	Rel-4	S4	OJALA, Pasi	
TR	26.901	AMR wideband speech codec; Feasibility study report	4.0.1	Rel-4	S4	OHANA, Alain	
TR	26.911	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	4.1.0	Rel-4	S4	HAAVISTO, Petri	
TR	26.912	Codec for Circuit switched Multimedia Telephony Service; Quantitative performance evaluation of H.324 Annex C over 3G	4.0.0	Rel-4	S4	FRANCESCHI, Olle	
TR	26.913	Quantitative performance evaluation of real-time packet switched multimedia services over 3G	none	Rel-4	S4	HONKO, Harri	
TR	26.920	Architectural Model for the 3G Transcoders	0.1.1	Rel-4	S4	NAVARRO, William	2000-01-22: S4 TFO group discontinues work on this report.
TR	26.975	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec	4.1.0	Rel-4	S4	EKUDDEN, Erik	Replaces 26.075. 2001-10-02: Also for GSM.
TR	26.978	Results of the AMR noise suppression selection phase	4.0.0	Rel-4	S4	USAI, Paolino	Replaces 26.078
TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	4.6.0	Rel-4	N3	WIIK, Rune Werner	
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	4.0.0	Rel-4	N3	WIIK, Rune Werner	
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	4.1.0	Rel-4	N3	WIIK, Rune Werner	
TS	27.005	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	4.1.0	Rel-4	T2	HARRIS, Ian	
TS	27.007	AT command set for 3G User Equipment (UE)	4.3.0	Rel-4	T2	VACANT,	
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	4.1.0	Rel-4	T2	VACANT,	
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	4.0.0	Rel-4	N3	WILD, Johanna	GPRS
TS	27.103	Wide Area Network Synchronization	4.0.0	Rel-4	T2	LOCKHART, Rob	
TR	27.901	Report on Terminal Interfaces - An Overview	4.0.0	Rel-4	T2	REX, Thomas	
TR	27.903	Discussion of synchronization standards	4.0.0	Rel-4	T2	LOCKHART, Rob	
TS	28.020	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	none	Rel-4	N3	BOSWARTHICK, David	
TS	28.062	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	4.2.0	Rel-4	S4	SUERBAUM, Clemens	Transfer>TSG#4
TS	29.002	Mobile Application Part (MAP) specification	4.6.0	Rel-4	N4	DETTNER, Harald	
TS	29.007	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	4.3.0	Rel-4	N3	KLEHN, Norbert	
TS	29.010	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	4.2.0	Rel-4	N4	VACANT,	Transfer>TSG#4 (transfer??)
TS	29.011	Signalling Interworking for Supplementary Services	4.0.0	Rel-4	N4	DETTNER, Harald	

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TS	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	4.0.0	Rel-4	N4	DETTNER, Harald	Transfer>TSG#4
TS	29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	4.0.0	Rel-4	N1	MILLS, Duncan	
TS	29.018	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	4.2.0	Rel-4	N1	MILLS, Duncan	
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	4.3.0	Rel-4	N4	YOUNG, Michael	
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	4.3.0	Rel-4	N3	WILD, Johanna	Former title: "General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet".
TS	29.078	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	4.3.0	Rel-4	N2	NOLDUS, Rogier	Transfer>TSG#4
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	4.1.0	Rel-4	R3	VESELY, Alexander	TSG#8:Appeared as v2.0.0 (RP-000258)
TS	29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)	4.0.0	Rel-4	N4	AIKAWA, Shinichiro	New after TSG#5
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3	4.0.0	Rel-4	N4	MITAMURA, Kazuo	New after TSG#5
TS	29.198-01	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	4.3.0	Rel-4	N5	MOERDIJK, Ard-Jan	
TS	29.198-02	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	4.3.0	Rel-4	N5	MOERDIJK, Ard-Jan	
TS	29.198-03	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	4.3.0	Rel-4	N5	ABARCA, Chelo	
TS	29.198-04	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	4.2.0	Rel-4	N5	MOERDIJK, Ard-Jan	
TS	29.198-05	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	4.3.0	Rel-4	N5	DE GELDER, Dirk	
TS	29.198-06	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	4.3.0	Rel-4	N5	MARKWARDT, Gert	
TS	29.198-07	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities	4.3.0	Rel-4	N5	SAARENPAA, Matti	
TS	29.198-08	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	4.3.0	Rel-4	N5	UNMEHOPA, Musa	
TS	29.198-11	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	4.2.0	Rel-4	N5	LAGENDIJK, Louis	
TS	29.198-12	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	4.2.0	Rel-4	N5	UNMEHOPA, Musa	
TS	29.202	Signalling System No. 7 (SS7) signalling transport in core network; Stage 3	4.1.0	Rel-4	N4	ANGELO, Ciriaco	
TS	29.205	Application of Q.1900 series to bearer-independent circuit-switched core network architecture; Stage 3	4.2.0	Rel-4	N4	HEIDERMARK, Alf	
TS	29.232	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	4.3.0	Rel-4	N4	PARK, Ian David Chalmers	Additional rapporteur: Laura.Pomponi@CSELT.IT

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TS	29.414	Core network Nb data transport and transport signalling	4.3.0	Rel-4	N3	BELLING, Thomas	
TS	29.415	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	4.2.0	Rel-4	N3	SANDERS, David	
TR	29.998-01	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 1: General Issues on API Mapping	4.0.0	Rel-4	N5	UNMEHOPA, Musa	
TR	29.998-04-1	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 1: API to CAP Mapping	4.2.0	Rel-4	N5	UNMEHOPA, Musa	
TR	29.998-05-1	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 1: API to CAP Mapping	4.0.0	Rel-4	N5	UNMEHOPA, Musa	
TR	29.998-05-4	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 4: API to SMS Mapping	4.0.0	Rel-4	N5	UNMEHOPA, Musa	
TR	29.998-06	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 6: User Location – User Status Service Mapping to MAP	4.0.0	Rel-4	N5	UNMEHOPA, Musa	
TR	29.998-08	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 8: Data Session Control Service Mapping to CAP	4.0.0	Rel-4	N5	UNMEHOPA, Musa	
TR	30.002	Guidelines for the modification of the Mobile Application Part (MAP)	4.0.1	Rel-4	N4	KYMALAINEN, Kimmo	.
TR	30.504	Work Plan and Study Items - RAN WG4	2.2.0	Rel-4	R4	IWASA, Masaaki	
TR	30.801	Overall Project Plan	1.1.0	Rel-4	S2	SULTAN, Alain	
TR	30.802	Project plan on Bearer Services and QoS	4.0.0	Rel-4	S2	LOPEZ-TORRES, Oscar	
TR	30.804	Project plan on GSM/UMTS Interoperation and Mobility Management	1.0.0	Rel-4	S2	COURAU, François	
TR	30.806	Project plan on Location based services	1.0.0	Rel-4	S2	KÅLL, Jan	
TR	30.808	Project plan on Packet Architecture and Circuit Architecture	1.0.0	Rel-4	S2	DROPMANN, Ulrich	
TR	30.810	Project plan on Security	1.0.0	Rel-4	S2	PUDNEY, Chris	
TR	30.812	Project plan on Services and Service platforms	1.0.0	Rel-4	S2	SCHMERSEL, Rob	
TS	31.101	UICC-terminal interface; Physical and logical characteristics	4.0.0	Rel-4	T3	VESTERGAARD, Peter	Contents is a reference to ETSI TR 102 221.
TS	31.102	Characteristics of the USIM Application	4.3.0	Rel-4	T3	HEIM, Christian	
TS	31.110	Numbering system for telecommunication IC card applications	4.1.0	Rel-4	T3	DIETRICH, Christian	Sanders April 2001: Will be scrapped in favour of an ETSI SCP document. May 2001: Sanders: "unscrapped". Contents will be change to a reference to ETSI TS 101 220.
TS	31.111	USIM Application Toolkit (USAT)	4.5.0	Rel-4	T3	WOODSEND, Kristian	To include a GSM-specific annex from Rel-4 onwards, thus replacing 11.14.
TS	31.120	UICC-terminal interface; Physical, electrical and logical test specification	none	Rel-4	T3	MAESER, Torsten	based on R99 core spec; split into 2 parts (this is 1). TSG#11:moved to ETSI-SCP
TS	31.121	UICC-terminal interface; USIM application test specification	4.0.0	Rel-4	T3	AFCHAR, Ramin	based on R99 core spec; split into 2 parts (this is 2)
TS	31.122	USIM conformance test specification	none	Rel-4	T3	KNIGHT, Simon	based on R99 core spec; was originally 31.121 but renumbered whch 31.120 was split into two parts

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TS	32.101	3G Telecom Management principles and high level requirements	4.2.0	Rel-4	S5	TRUSS, Michael	
TS	32.102	3G Telecom Management Architecture	4.2.0	Rel-4	S5	BERGGREN, Tommy	
TS	32.104	3G Performance Management	4.0.0	Rel-4	S5	NENNER, Karl-Heinz	
TS	32.105	3G charging and billing; Stage 2 description	0.0.4	Rel-4	S5	KOBYLARZ, Thaddeus	
TS	32.106-1	Telecommunication Management; Configuration Management; Part 1: 3G configuration management; Concept and requirements	4.0.0	Rel-4	S5	PIRT, Trevor	SP-08: split into eight parts
TS	32.106-2	Telecommunication Management; Configuration Management; Part 2: Notification Integration Reference Point; Information Service version 1	none	Rel-4	S5	TSE, Edwin	TSG#8: split into eight parts
TS	32.106-3	Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1	none	Rel-4	S5	SCHEER, Randal	TSG#8: split into eight parts
TS	32.106-4	Telecommunication Management; Configuration Management; Part 4: Notification Integration Reference Point: CMIP Solution Set Version 1:1	none	Rel-4	S5	ZHOU, Di	TSG#8: split into eight parts
TS	32.106-5	Telecommunication Management; Configuration Management; Part 5: Basic Configuration Management IRP information model (including NRM) version 1	none	Rel-4	S5	TOVINGER, Thomas	TSG#8: split into eight parts
TS	32.106-6	Telecommunication Management; Configuration Management; Part 6: Basic Configuration Management IRP CORBA solution set version 1:1	none	Rel-4	S5	ZHOU, Di	TSG#8: split into eight parts
TS	32.106-7	Telecommunication Management; Configuration Management; Part 7: Basic Configuration Management IRP CMIP solution set version 1:1	none	Rel-4	S5	TOVINGER, Thomas	TSG#8: split into eight parts
TS	32.106-8	Telecommunication Management; Configuration Management; Part 8: Name convention for Managed Objects	4.0.0	Rel-4	S5	TOVINGER, Thomas	TSG#8: split into eight parts
TS	32.111	3G Fault Management	4.0.0	Rel-4	S5	CICCHITTO, Gaetano	TSG#8: split into 4 parts
TS	32.111-1	Telecommunication Management; Fault Management; Part 1: 3G fault management requirements	4.0.0	Rel-4	S5	TOVINGER, Thomas	TSG#8: split into 4 parts
TS	32.111-2	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	4.2.0	Rel-4	S5	TOVINGER, Thomas	TSG#8: split into 4 parts
TS	32.111-3	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	4.1.0	Rel-4	S5	TOVINGER, Thomas	TSG#8: split into 4 parts
TS	32.111-4	Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set	4.1.0	Rel-4	S5	TOVINGER, Thomas	TSG#8: split into 4 parts
TS	32.112-1	Telecommunication management; Generic IRP management; Part 1: Requirements	2.0.0	Rel-4	S5	,	SP-12: stopped. See 32.311.
TS	32.112-2	Telecommunication management; Generic IRP management; Part 2: Information service	2.0.0	Rel-4	S2	,	SP-12: stopped. See 32.312.
TS	32.140	Telecommunication ~~M~~management; 3G Service Management Requirements & Framework	0.1.0	Rel-4	S5	CARYER, Geoffrey	
TS	32.200	Telecommunication management; Charging management; Charging principles	4.0.0	Rel-4	S5	AHLBÄCK, Hans	
TS	32.205	Telecommunication management; Charging management; 3G charging data description for the CS domain	4.0.0	Rel-4	S5	BENDER, James	

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TS	32.215	Telecommunications ~~M~~management; Charging management; Charging data description for the Packet Switched (PS) domain	4.1.0	Rel-4	S5	LEHNERT, Matthias	
TS	32.235	Telecommunication management; Charging management; Charging data description for application services	4.0.0	Rel-4	S5	GOERMER, Gerald	
TS	32.300	Telecommunication ~~M~~management; 3G configuration management; Name convention for Managed Objects	4.1.0	Rel-4	S5	TOVINGER, Thomas	Replaces 32.106-8 (pars)
TS	32.301	Telecommunication ~~M~~management; Configuration Management; Notification IRP: requirements	4.0.0	Rel-4	S5	PIRT, Trevor	was 32.301-1
TS	32.301-1	Telecommunication ~~M~~management; Configuration Management; Notification IRP: requirements	2.0.0	Rel-4	S5	PIRT, Trevor	Replaces 32.106 (pars). SP-12: stopped. See 32.301.
TS	32.301-2	Telecommunication ~~M~~management; Configuration Management; Part 2: Notification Integration Reference Point; Information Service version 1	2.0.0	Rel-4	S5	TSE, Edwin	Replaces 32.106- 2SP-12: stopped. See 32.302.
TS	32.301-3	Telecommunication ~~M~~management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1	2.0.0	Rel-4	S5	SCHEER, Randal	Replaces 32.106-3 SP-12: stopped. See 32.303.
TS	32.301-4	Telecommunication ~~M~~management; Configuration Management; Part 4: Notification Integration Reference Point: CMIP Solution Set Version 1:1	2.0.0	Rel-4	S5	ZHOU, Di	Replaces 32.106-4 SP-12: stopped. See 32..304.
TS	32.302	Telecommunication ~~M~~management; Configuration Management; Notification Integration Reference Point; Information Service version 1	4.1.0	Rel-4	S5	TSE, Edwin	was 32.301-2
TS	32.303	Telecommunication ~~M~~management; Configuration Management; Notification Integration Reference Point; CORBA solution set version 1:1	4.1.0	Rel-4	S5	TOVINGER, Thomas	was 32.301-3
TS	32.304	Telecommunication ~~M~~management; Configuration Management; Notification Integration Reference Point: CMIP Solution Set Version 1:1	4.1.0	Rel-4	S5	ZHOU, Di	was 32.301-4
TS	32.311	Telecommunication management; Generic IRP management; Requirements	4.0.1	Rel-4	S5	TOVINGER, Thomas	was 32.112-1
TS	32.312	Telecommunication management; Generic IRP management; Information service	4.0.0	Rel-4	S5	TOVINGER, Thomas	was 32.112-2
TS	32.312-1	Telecommunication management; Generic IRP management; Requirements	none	Rel-4	S5	,	-> 32.111
TS	32.401	Telecommunication management; Performance Management (PM); Concept and requirements	4.1.0	Rel-4	S5	NENNER, Karl-Heinz	was 32.104 (pars)
TS	32.402	Telecommunication management; Performance Management (PM); Performance measurements - GSM	2.0.0	Rel-4	S5	NENNER, Karl-Heinz	was 32.104 (pars). SP-13: replaced by 52.402.
TS	32.403	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	4.1.0	Rel-4	S5	NENNER, Karl-Heinz	was 32.104 (pars)
TS	32.600	Telecommunication ~~M~~management; Configuration Management; 3G configuration management; Concept and main requirements	4.0.0	Rel-4	S5	PIRT, Trevor	Replaces 32.106 (pars).
TS	32.601	Telecommunication ~~M~~management; Configuration Management; Basic CM IRP: requirements	4.0.0	Rel-4	S5	PIRT, Trevor	was 32.601-1

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TS	32.601-1	Telecommunication ~~M~~management; Configuration Management; Part 1: Basic CM IRP: requirements	2.0.0	Rel-4	S5	PIRT, Trevor	Replaces 32.106 (pars). SP-12: stopped. See 32.601.
TS	32.601-2	Telecommunication ~~M~~management; Configuration Management; Part 2: Basic configuration management IRP information model	2.0.0	Rel-4	S5	TOVINGER, Thomas	Replaces 32.106-5 (pars) SP-12: stopped. See 32.602.
TS	32.601-3	Telecommunication ~~M~~management; Configuration Management; Part 3: Basic configuration management IRP: CORBA solution set	2.0.0	Rel-4	S5	ZHOU, Di	Replaces 32.106-6 (pars) SP-12: stopped. See 32.603.
TS	32.601-4	Telecommunication ~~M~~management; Configuration Management; Part 4: Basic configuration management IRP CMIP solution set	2.0.0	Rel-4	S5	TOVINGER, Thomas	Replaces 32.107 (pars) SP-12: stopped. See 32.604.
TS	32.602	Telecommunication ~~M~~management; Configuration Management; Basic configuration management IRP information model	4.1.0	Rel-4	S5	TOVINGER, Thomas	was 32.601-2
TS	32.602-1	Telecommunication management; Configuration management; 3G configuration management: Bulk CM IRP requirements	2.0.0	Rel-4	S5	,	SP-12: stopped. See 32.611.
TS	32.602-2	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: Information service	2.0.0	Rel-4	S5	,	SP-12: stopped. See 32.612.
TS	32.602-3	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: CORBA solution set	2.0.0	Rel-4	S5	,	SP-12: stopped. See 32.613.
TS	32.602-4	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: CMIP solution set	2.0.0	Rel-4	S5	,	SP-12: stopped. See 32.614.
TS	32.602-5	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: XML file format definition	2.0.0	Rel-4	S5	,	SP-12: stopped. See 32.615.
TS	32.603	Telecommunication ~~M~~management; Configuration Management; Basic configuration management IRP: CORBA solution set	4.1.0	Rel-4	S5	ZHOU, Di	was 32.601-3
TS	32.604	Telecommunication ~~M~~management; Configuration Management; Basic configuration management IRP CMIP solution set	4.2.0	Rel-4	S5	TOVINGER, Thomas	was 32.601-4
TS	32.611	Telecommunication management; Configuration management; 3G configuration management: Bulk CM IRP requirements	4.0.0	Rel-4	S5	TOVINGER, Thomas	was 32.602-1
TS	32.612	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: Information service	4.1.0	Rel-4	S5	TOVINGER, Thomas	was 32.602-2
TS	32.613	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: CORBA solution set	4.1.0	Rel-4	S5	TOVINGER, Thomas	was 32.602-3
TS	32.614	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: CMIP solution set	4.1.0	Rel-4	S5	TOVINGER, Thomas	was 32.602-4

Type	Number	Title	Ver at TSG#14	Rel	TSG/ WG	Editor	Comment
TS	32.615	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: XML file format definition	4.1.0	Rel-4	S5	TOVINGER, Thomas	was 32.602-5
TS	32.620-1	Telecommunication ~~M~~management; Configuration Management; Part 1: Generic network resources IRP: requirements	2.0.0	Rel-4	S5	PIRT, Trevor	Replaces 32.106 (pars).SP-12: stopped. See 32.621.
TS	32.620-2	Telecommunication ~~M~~management; Configuration Management; Part 2: Generic network resources IRP: NRM	2.0.0	Rel-4	S5	TOVINGER, Thomas	Replaces 32.106-5 (pars)SP-12: stopped. See 32.622.
TS	32.620-3	Telecommunication ~~M~~management; Configuration Management; Part 3: Generic network resources IRP: CORBA solution set	2.0.0	Rel-4	S5	ZHOU, Di	Replaces 32.106-6 (pars) SP-12: stopped. See 32.623.
TS	32.620-4	Telecommunication ~~M~~management; Configuration Management; Part 4: Generic network resources: IRP CMIP solution set	2.0.0	Rel-4	S5	TOVINGER, Thomas	Replaces 32.107 (pars) SP-12: stopped. See 32.624.
TS	32.621	Telecommunication ~~M~~management; Configuration Management; Generic network resources IRP: requirements	4.0.0	Rel-4	S5	PIRT, Trevor	was 32.620-1
TS	32.621-1	Telecommunication ~~M~~management; Configuration Management; Part 1: Core network resources IRP: requirements	2.0.0	Rel-4	S5	PIRT, Trevor	Replaces 32.106 (pars).SP-12: stopped. See 32.631.
TS	32.621-2	Telecommunication ~~M~~management; Configuration Management; Core Network Resources IRP: NRM	2.0.0	Rel-4	S5	TOVINGER, Thomas	Replaces 32.106-5 (pars) SP-12: stopped. See 32.632.
TS	32.621-3	Telecommunication ~~M~~management; Configuration Management; Part 3: Core network resources IRP: CORBA solution set	2.0.0	Rel-4	S5	ZHOU, Di	Replaces 32.106-6 (pars) SP-12: stopped. See 32.633.
TS	32.621-4	Telecommunication ~~M~~management; Configuration Management; Part 4: Core network resources IRP: CMIP solution set	2.0.0	Rel-4	S5	TOVINGER, Thomas	Replaces 32.107 (pars) SP-12: stopped. See 32.634.
TS	32.622	Telecommunication ~~M~~management; Configuration Management; Generic network resources IRP: NRM	4.1.0	Rel-4	S5	TOVINGER, Thomas	was 32.620-2
TS	32.622-1	Telecommunication ~~M~~management; Configuration Management; Part 1: UTRAN network resources IRP: requirements	2.0.0	Rel-4	S5	PIRT, Trevor	Replaces 32.106 (pars).SP-12: stopped. See 32.641.
TS	32.622-2	Telecommunication ~~M~~management; Configuration Management; Part 2: UTRAN network resources IRP: NRM	2.0.0	Rel-4	S5	TOVINGER, Thomas	Replaces 32.106-5 (pars) SP-12: stopped. See 32.642.
TS	32.622-3	Telecommunication ~~M~~management; Configuration Management; Part 3: UTRAN network resources IRP: CORBA solution set	2.0.0	Rel-4	S5	ZHOU, Di	Replaces 32.106-6 (pars) SP-12: stopped. See 32.643.
TS	32.622-4	Telecommunication ~~M~~management; Configuration Management; Part 4: UTRAN network resources IRP: CMIP solution set	2.0.0	Rel-4	S5	TOVINGER, Thomas	Replaces 32.107 (pars) SP-12: stopped. See 32.644.
TS	32.623	Telecommunication ~~M~~management; Configuration Management; Generic network resources IRP: CORBA solution set	4.2.0	Rel-4	S5	ZHOU, Di	was 32.620-3
TS	32.623-1	Telecommunication ~~M~~management; Configuration Management; Part 1: GERAN network resources IRP: requirements	2.0.0	Rel-4	S5	PIRT, Trevor	Replaces 32.106 (pars).SP-12: stopped. See 32.651.
TS	32.623-2	Telecommunication ~~M~~management; Configuration Management; Part 2: GERAN network resources IRP: NRM	2.0.0	Rel-4	S5	TOVINGER, Thomas	Replaces 32.106-5 (pars) SP-12: stopped. See 32.652.

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TS	32.623-3	Telecommunication ~~M~~management; Configuration Management; Part 3: GERAN network resources IRP: CORBA solution set	2.0.0	Rel-4	S5	ZHOU, Di	Replaces 32.106-6 (pars) SP-12: stopped. See 32.653.
TS	32.623-4	Telecommunication ~~M~~management; Configuration Management; Part 4: GERAN network resources IRP: CMIP solution set	2.0.0	Rel-4	S5	TOVINGER, Thomas	Replaces 32.107 (pars) SP-12: stopped. See 32.654.
TS	32.624	Telecommunication ~~M~~management; Configuration Management; Generic network resources: IRP CMIP solution set	4.2.0	Rel-4	S5	TOVINGER, Thomas	was 32.620-4
TS	32.631	Telecommunication ~~M~~management; Configuration Management; Core network resources IRP: requirements	4.0.0	Rel-4	S5	PIRT, Trevor	was 32.621-1
TS	32.632	Telecommunication ~~M~~management; Configuration Management; Core Network Resources IRP: NRM	4.1.0	Rel-4	S5	TOVINGER, Thomas	was 32.621-2
TS	32.633	Telecommunication ~~M~~management; Configuration Management; Core network resources IRP: CORBA solution set	4.0.0	Rel-4	S5	ZHOU, Di	was 32.621-3
TS	32.634	Telecommunication ~~M~~management; Configuration Management; Core network resources IRP: CMIP solution set	4.1.0	Rel-4	S5	TOVINGER, Thomas	was 32.621-4
TS	32.641	Telecommunication ~~M~~management; Configuration Management; UTRAN network resources IRP: requirements	4.0.0	Rel-4	S5	PIRT, Trevor	was 32.622-1
TS	32.642	Telecommunication ~~M~~management; Configuration Management; UTRAN network resources IRP: NRM	4.0.0	Rel-4	S5	TOVINGER, Thomas	was 32.622-2
TS	32.643	Telecommunication ~~M~~management; Configuration Management; UTRAN network resources IRP: CORBA solution set	4.1.0	Rel-4	S5	ZHOU, Di	was 32.622-3
TS	32.644	Telecommunication ~~M~~management; Configuration Management; UTRAN network resources IRP: CMIP solution set	4.1.0	Rel-4	S5	TOVINGER, Thomas	was 32.622-4
TS	32.651	Telecommunication ~~M~~management; Configuration Management; GERAN network resources IRP: requirements	4.0.0	Rel-4	S5	PIRT, Trevor	was 32.623-1
TS	32.652	Telecommunication ~~M~~management; Configuration Management; GERAN network resources IRP: NRM	4.2.0	Rel-4	S5	TOVINGER, Thomas	was 32.623-2
TS	32.653	Telecommunication ~~M~~management; Configuration Management; GERAN network resources IRP: CORBA solution set	4.1.0	Rel-4	S5	ZHOU, Di	was 32.623-3
TS	32.654	Telecommunication ~~M~~management; Configuration Management; GERAN network resources IRP: CMIP solution set	4.1.0	Rel-4	S5	TOVINGER, Thomas	was 32.623-4
TR	32.800	Management level procedures and interaction with UTRAN	4.0.0	Rel-4	S5	BODEN, Bert	
TS	33.102	3G security; Security architecture	4.3.0	Rel-4	S3	BLOMMAERT, Marc	
TS	33.103	3G security; Integration guidelines	4.2.0	Rel-4	S3	BLANCHARD, Colin	
TS	33.105	Cryptographic Algorithm requirements	4.1.0	Rel-4	S3	CHIKAZAWA, Takeshi	
TS	33.106	Lawful interception requirements	4.0.0	Rel-4	S3	WILHELM, Berthold	
TS	33.107	3G security; Lawful interception architecture and functions	4.2.0	Rel-4	S3	WILHELM, Berthold	
TS	33.120	Security Objectives and Principles	4.0.0	Rel-4	S3	WRIGHT, Tim	
TS	33.200	Network Domain Security - MAP	4.2.0	Rel-4	S3	ESCOTT, Adrian	2001-05-24: title grows MAP; see 33.210 for IP equivalent.
TR	33.800	Principles for Network Domain Security	0.3.5	Rel-4	S3	ESCOTT, Adrian	

Type	Number	Title	Ver at TSG#14	Rel	TSG/ WG	Editor	Comment
TR	33.900	Guide to 3G security	none	Rel-4	S3	BROOKSON, Charles	
TR	33.901	Criteria for cryptographic Algorithm design process	4.0.0	Rel-4	S3	BLOM, Rolf	
TR	33.902	Formal Analysis of the 3G Authentication Protocol	4.0.0	Rel-4	S3	HORN, Guenther	
TR	33.903	Access Security for IP based services	none	Rel-4	S3	VACANT,	
TR	33.903	Access Security for IP based services	none	Rel-4	S3	VACANT,	
TR	33.904	Report on the Evaluation of 3GPP Standard Confidentiality and Integrity Algorithms	none	Rel-4	S3	VACANT,	Source: ETSI SAGE.
TR	33.908	3G Security; General report on the design, specification and evaluation of 3GPP standard confidentiality and integrity algorithms	4.0.0	Rel-4	S3	WALKER, Michael	TSG#7: S3-000105=NP-000049
TR	33.909	3G Security; Report on the design and evaluation of the MILENAGE algorithm set; Deliverable 5: An example algorithm for the 3GPP authentication and key generation functions	4.0.1	Rel-4	S3	WALKER, Michael	TSG#7: Is a reference in 33.908. Was withdrawn, but reinstated at TSG#10.
TS	34.108	Common Test Environments for User Equipment (UE) Conformance Testing	4.1.0	Rel-4	T1	CHALABI, Nouhman	
TS	34.109	Logical Test Interface (TDD and FDD)	4.1.0	Rel-4	R2	BERGGREN, Anders	TSG#7: Will be transferred to RAN2 after approval. TSG#8:txfer is delayed. TSG#9: Stable, so txfered from T1 to R2.
TS	34.121	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	none	Rel-4	T1	HIGUCHI, Kenji	
TS	34.122	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	4.2.0	Rel-4	T1	MAUCKSCH, Thomas	
TS	34.123-1	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	4.1.0	Rel-4	T1	SALMERON, Lidia	
TS	34.123-2	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	4.1.0	Rel-4	T1	HU, Shicheng	
TS	34.123-3	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	none	Rel-4	T1	HU, Shicheng	
TS	34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	4.0.0	Rel-4	R4	SOERENSEN, Ole	T1->R4@TSG#10
TR	34.910	Identification of test requirements for regulatory purposes in different regions/countries	1.0.0	Rel-4	T1	NIELSEN, Bjarke	
TR	34.926	Table of international EMC requirements	4.0.0	Rel-4	R4	FENN, John B	Plan approved TSG#7 TP-000036). T1->R4@TSG#10
TS	35.201	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications	4.1.0	Rel-4	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.203	Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.204	Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TR	35.205	3G Security; Specification of the MILENAGE Algorithm Set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 1: General	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE

Type	Number	Title	Ver at TSG#14	Rel	TSG/ WG	Editor	Comment
TS	35.206	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 2: Algorithm specification	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE
TS	35.207	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 3: Implementors' test data	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE
TS	35.208	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 4: Design conformance test data	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE
TR	35.909	3G Security; Specification of the MILENAGE algorithm set: an example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 5: Summary and results of design and evaluation	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE
TS	41.001	GSM Specification set	1.0.0	Rel-4	SP	MEREDITH, John M	->41.102, renumbered at TSG#10.
TR	41.031	Fraud Information Gathering System (FIGS); Service requirements; Stage 0	4.0.1	Rel-4	S3	WRIGHT, Tim	
TR	41.033	Lawful Interception requirements for GSM	4.0.1	Rel-4	S3	MCKIBBEN, Bernie	
TS	41.061	General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements	4.0.0	Rel-4	S3	WALKER, Michael	
TS	41.102	GSM Release 4 specifications	4.3.0	Rel-4	SP	MEREDITH, John M	Né 41.001; renumbered at TSG#10.
TS	42.009	Security Aspects	4.0.0	Rel-4	S3	CHRISTOFFERSSON, Per	
TS	42.017	Subscriber Identity Module (SIM); Functional characteristics	4.0.0	Rel-4	T3	HOOKER, Philip	
TS	42.019	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1	4.0.0	Rel-4	T3	DIETRICH, Christian	
TS	42.031	Fraud Information Gathering System (FIGS); Service description; Stage 1	4.0.0	Rel-4	S3	WRIGHT, Tim	
TS	42.032	Immediate Service Termination (IST); Service description; Stage 1	4.0.0	Rel-4	S3	WRIGHT, Tim	
TS	42.033	Lawful Interception; Stage 1	4.0.0	Rel-4	S3	MCKIBBEN, Bernie	
TS	42.043	Support of Localised Service Area (SoLSA); Service description; Stage 1	4.0.0	Rel-4	S1	KOKKOLA, Tommi	Was 22.043 at Rel99.
TS	42.048	Security mechanisms for the SIM Application Toolkit; Stage 1	4.0.0	Rel-4	T3	BARNES, Nigel	TP-12: Becomes 22.048.
TS	42.053	Tandem Free Operation (TFO); Service description; Stage 1	none	Rel-4	S4	NAVARRO, William	Scrapped - see 22.053, Rel-4 onwards.
TS	42.056	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1	4.0.0	Rel-4	S1	GALLIGO, Michel	
TS	42.068	Voice Group Call Service (VGCS); Stage 1	4.1.0	Rel-4	S1	GILES, Les	
TS	42.069	Voice Broadcast Service (VBS); Stage 1	4.1.0	Rel-4	S1	GILES, Les	
TR	43.005	Technical performance objectives	4.0.0	Rel-4	NP	BOSWARTHICK, David	
TS	43.010	GSM Public Land Mobile Network (PLMN) connection types	4.1.0	Rel-4	N3	BOSWARTHICK, David	
TS	43.013	Discontinuous Reception (DRX) in the GSM system	4.0.0	Rel-4	G1	USAI, Paolino	
TS	43.019	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	4.1.0	Rel-4	T3	DIETRICH, Christian	
TS	43.020	Security-related network functions	4.0.0	Rel-4	S3	GILBERT, Henri	

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TS	43.022	Functions related to Mobile Station (MS) in idle mode and group receive mode	4.3.0	Rel-4	G1	HOWELL, Andrew	Moved from SMG3 Jan 2000.
TR	43.026	Multiband operation of GSM / DCS 1800 by a single operator	4.0.0	Rel-4	G1	ANDERSEN, Niels Peter Skov	
TS	43.030	Radio network planning aspects	4.0.1	Rel-4	G1	TEGTH, Ulf	
TS	43.031	Fraud Information Gathering System (FIGS); Service description; Stage 2	4.0.0	Rel-4	S3	WRIGHT, Tim	
TS	43.033	Lawful Interception; Stage 2	4.0.0	Rel-4	S3	MCKIBBEN, Bernie	
TS	43.035	Immediate Service Termination (IST); Stage 2	4.0.0	Rel-4	S3	WRIGHT, Tim	
TS	43.045	Technical Realization of Facsimile Group 3 Service - transparent	4.0.0	Rel-4	N3	BOSWARTHICK, David	
TS	43.046	Technical Realization of Facsimile Group 3 Service - non transparent	none	Rel-4	N3	BOSWARTHICK, David	
TS	43.048	Security Mechanisms for SIM Toolkit Application; Stage 2	4.0.0	Rel-4	T3	BARNES, Nigel	TP-12: replaced by 23.048.
TS	43.050	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	4.0.0	Rel-4	S4	USAI, Paolino	
TS	43.051	GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2	4.0.0	Rel-4	G1	SÉBIRE, Guillaume	Originally created as 03.51r00
TS	43.052	Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2	4.0.0	Rel-4	G1	GIRAUD, Alexis	
TS	43.055	Dual Transfer Mode (DTM); Stage 2	4.1.0	Rel-4	G1	CARRIZO MARTÍNEZ, José Luis	
TR	43.058	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	4.0.0	Rel-4	S4	MONFORT, Jean-Yves	
TS	43.059	Functional stage 2 description of Location Services (LCS) in GERAN	4.3.0	Rel-4	G1	LIVINGSTON, Margaret	
TS	43.063	Packet Data on Signalling channels service (PDS) Service description, Stage 2	4.0.0	Rel-4	N1	JACOBSOHN, Dieter	
TS	43.064	Overall description of the GPRS radio interface; Stage 2	4.2.0	Rel-4	G1	LEPPISAARI, Arto	
TS	43.068	Voice Group Call Service (VGCS); Stage 2	4.2.0	Rel-4	N1	GARAPATY, Sonia	
TS	43.069	Voice Broadcast service (VBS); Stage 2	4.2.0	Rel-4	N1	GARAPATY, Sonia	
TS	43.071	Location services (LCS); Stage 2	4.0.0	Rel-4	S2	BROOK, Richard	Superseded by 23.271 Rel-4.
TS	44.001	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	4.0.0	Rel-4	N1	ANDERSEN, Niels Peter Skov	
TS	44.003	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	44.004	Layer 1 - General Requirements	4.2.0	Rel-4	G2	ISAACS, Ken	
TS	44.005	Data Link (DL) Layer General Aspects	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	44.006	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	44.008	Mobile radio interface layer 3 specification	4.0.0	Rel-4	N1	HOWELL, Andrew	
TS	44.012	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	Rel-4 onwards. (Rel-99 was 24.012)
TS	44.013	Performance Requirements on Mobile Radio Interface	4.0.0	Rel-4	N1	PUDNEY, Chris	
TS	44.014	Individual equipment type requirements and interworking; Special conformance testing functions	4.1.0	Rel-4	G2	HOWELL, Andrew	

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TS	44.018	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	4.7.0	Rel-4	G2	HOWELL, Andrew	
TS	44.021	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	4.0.0	Rel-4	N3	RÄSÄNEN, Juha	
TS	44.031	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	4.3.0	Rel-4	G2	GARAPATY, Sonia	
TS	44.035	Location Services (LCS); Broadcast network assistance for Enhanced Observed Time Difference (E-OTD) and Global Positioning System (GPS) positioning methods	4.1.0	Rel-4	G2	GARAPATY, Sonia	
TS	44.056	GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification	4.0.0	Rel-4	N1	HUPPERICH, Peter	
TS	44.057	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	4.0.0	Rel-4	N1	HUPPERICH, Peter	
TS	44.060	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	4.4.0	Rel-4	G2	BLACK, Jyoti	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol
TS	44.063	Packet Data on Signalling channels Service (PDS) Service Description, Stage 3	4.0.0	Rel-4	N1	JACOBSOHN, Dieter	
TS	44.064	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	4.2.0	Rel-4	N1	SALKINTZIS, Apostolis	
TS	44.065	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	4.1.0	Rel-4	N1	SALKINTZIS, Apostolis	24.065 existed, but scrapped since 04.65 is GSM only.
TS	44.068	Group Call Control (GCC) Protocol	4.2.0	Rel-4	N1	GARAPATY, Sonia	
TS	44.069	Broadcast Call Control (BCC) protocol	4.2.0	Rel-4	N1	GARAPATY, Sonia	
TS	44.071	Location Services (LCS); Mobile radio interface layer 3 LCS specification	4.2.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	45.001	Physical Layer on the Radio Path (General Description)	4.1.0	Rel-4	G1	JOKINEN, Harri	
TS	45.002	Multiplexing and Multiple Access on the Radio Path	4.5.0	Rel-4	G1	SÉBIRE, Benoist	
TS	45.003	Channel coding	4.1.0	Rel-4	G1	SÉBIRE, Benoist	
TS	45.004	Modulation	4.2.0	Rel-4	G1	SÉBIRE, Benoist	
TS	45.005	Radio transmission and reception	4.6.0	Rel-4	G1	SAMUELSSON, Mats	
TS	45.008	Radio subsystem link control	4.6.0	Rel-4	G1	EL-SAIGH, Amer	
TS	45.009	Link adaptation	4.2.0	Rel-4	G1	ANDERSEN, Niels Peter Skov	
TS	45.010	Radio subsystem synchronization	4.1.0	Rel-4	G1	JOKINEN, Harri	
TR	45.022	Radio link management in hierarchical networks	4.0.0	Rel-4	G1	VAN BUSSEL, Han	
TR	45.050	Background for RF Requirements	4.0.1	Rel-4	G1	ANDERSEN, Niels Peter Skov	
TS	45.056	CTS-FP Radio Sub-system	4.0.0	Rel-4	G1	USAI, Paolino	
TS	46.001	Full Rate Speech Processing Functions	4.0.0	Rel-4	S4	USAI, Paolino	
TS	46.002	Half Rate Speech Processing Functions	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	46.006	Half-rate speech: ANSI-C code for GSM half-rate speech codec	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	46.007	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec	4.0.0	Rel-4	S4	AFTELAK, Steve	

Type	Number	Title	Ver at TSG#14	Rel	TSG/ WG	Editor	Comment
TR	46.008	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	4.0.0	Rel-4	S4	SALEM, Tarek	
TS	46.010	Full-rate speech transcoding	4.1.0	Rel-4	S4	LORENZ, Dietmar	
TS	46.011	Substitution and Muting of Lost Frames for Full Rate Speech Channels	4.0.0	Rel-4	S4	NAVARRO, William	
TS	46.012	Comfort Noise Aspects for Full Rate Speech Traffic Channels	4.1.0	Rel-4	S4	SERENO, Daniele	
TS	46.020	Half Rate Speech Transcoding	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	46.021	Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	46.022	Comfort Noise Aspects for Half Rate Speech Traffic Channels	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	46.031	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	4.0.0	Rel-4	S4	USAI, Paolino	
TS	46.032	Voice Activity Detection (VAD)	4.0.0	Rel-4	S4	BARRETT, Paul	
TS	46.041	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels	4.0.0	Rel-4	S4	USAI, Paolino	
TS	46.042	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels	4.0.0	Rel-4	S4	BARRETT, Paul	
TS	46.051	GSM Enhanced full rate speech processing functions: General description	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.053	ANSI-C code for the GSM Enhanced full rate speech codec	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.054	Test sequences for the GSM Enhanced Full Rate (EFR)	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TR	46.055	Performance characterisation of the GSM EFR Speech Codec	4.0.0	Rel-4	S4	SALEM, Tarek	
TS	46.060	Enhanced full rate speech transcoding	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.061	Substitution and muting of lost frames for encanced full rate speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.062	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TR	46.076	Adaptive Multi-Rate (AMR) speech codec; Study phase report	4.0.1	Rel-4	S4	USAI, Paolino	
TS	46.081	Discontinuous Transmission (DTX) for encanced full rate speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TS	46.082	Voice Activity Detection (VAD) for encanced full rate speech traffic channels	4.0.0	Rel-4	S4	JÄRVINEN, Kari	
TR	46.085	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation	4.0.0	Rel-4	S4	USAI, Paolino	
TS	48.001	General Aspects on the BSS-MSC Interface	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.002	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	4.2.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.004	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.006	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	

Type	Number	Title	Ver at TSG#14	Rel	TSG/ WG	Editor	Comment
TS	48.008	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	4.6.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.014	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.016	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	4.2.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.018	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	4.4.0	Rel-4	G2	BLACK, Jyoti	
TS	48.020	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	4.0.0	Rel-4	N3	RÄSÄNEN, Juha	
TS	48.031	Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification	4.1.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.051	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects	4.1.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.052	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles	4.0.1	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.054	BSC-BTS : Layer 1 Structure of Physical Circuits	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.056	BSC-BTS Layer 2 Specification	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.058	Base Station Controler - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.060	In-band control of remote transcoders and rate adaptors for full rate traffic channels	4.0.1	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.061	In-band control of remote transcoders and rate adaptors for half rate traffic channels	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.062	Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3	none	Rel-4	S4	USAI, Paolino	-> 28.062
TS	48.071	Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3 specification	4.2.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TR	49.001	General Network Interworking Scenarios	4.0.0	Rel-4	N4	VACANT,	
TS	49.008	Application of the Base Station System Application Part (BSSAP) on the E-Interface	4.0.0	Rel-4	N1	JUKIC, Zdravko	
TS	49.031	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	4.2.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TR	50.043	Support of Localised Service Area (SoLSA); Work Item Status	none	Rel-4	S1	KOKKOLA, Tommi	
TS	50.056	Project scheduling and open issues: GSM Cordless Telephony System CTS, Phase 1	4.0.0	Rel-4	S2	GALLIGO, Michel	Apr 2001 - Sultan:no Rel-4 will exist
TR	50.059	Enhanced Data rates for GSM Evolution (EDGE); Project scheduling and open issues for EDGE	4.0.1	Rel-4	G1	MUELLER, Frank	
TS	50.089	GSM to other Systems Handover and Cell Selection/Reselection; Project scheduling and open issues;	none	Rel-4	GP	ISAACS, Ken	

Type	Number	Title	Ver at TSG#14	Rel	TSG/ WG	Editor	Comment
TR	50.099	GERAN project plan and open issues	0.0.6	Rel-4	GP	MUELLER, Frank	
TS	51.010-1	Mobile Station (MS) conformance specification; Part 1: Conformance specification	4.6.0	Rel-4	G5	HU, Shicheng	2001-11-19: G4->G5.
TS	51.010-2	Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	4.3.~~0~~1	Rel-4	G5	HU, Shicheng	2001-11-19: G4->G5.
TS	51.010-3	Mobile Station (MS) conformance specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)	4.4.0	Rel-4	G5	HU, Shicheng	2001-11-19: G4->G5.
TS	51.010-4	Mobile Station (MS) conformance specification; Part 4: SIM Application Toolkit conformance specification	0.0.1	Rel-4	G5	HU, Shicheng	2001-11-19: G4->G5. TP-14: may be txferred to T3.
TS	51.011	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	4.3.0	Rel-4	T3	GUTHERY, Scott B.	TP-14: talk of changing title to "Characteristics of the SIM application".
TS	51.013	Test specification for SIM API for Java card	none	Rel-4	T3	LLOBREGAT, Fernando	
TS	51.014	Specification of Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface for SIM Application Toolkit	none	Rel-4	T3	WOODSEND, Kristian	
TS	51.021	GSM radio aspects base station system equipment specification	4.0.0	Rel-4	G3	BUSIN, Ake	
TS	51.026	GSM Repeater Equipment Specification	none	Rel-4	G3	BUSIN, Ake	
TS	52.071	Location Services (LCS); Location services management	4.1.0	Rel-4	S5	GARAPATY, Sonia	
TS	52.402	Telecommunication management; Performance Management (PM); Performance measurements - GSM	4.0.0	Rel-4	S5	~~NENNER, Karl-Heinz~~ TOCHE, Christian	SP-13: replaces 32.402.

D.4 Release 5 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#14	Rel	TSG/ WG	Editor	Comment
TS	21.103	3rd Generation mobile system Release 5 specifications	1.0.0	Rel-5	SP	MEREDITH, John M	
TR	21.877	Radio optimization impacts on the Packet Switched (PS) domain architecture	none	Rel-5	S2	LAUTIER, Laurence	
TR	21.905	Vocabulary for 3GPP Specifications	5.2.0	Rel-5	S1	ZARRI, Michele	
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	5.0.0	Rel-5	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	5.2.0	Rel-5	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.057	Mobile Execution Environment (MExE); Stage 1	5.2.0	Rel-5	S1	CATALDO, Mark	Transfer>TSG#4: Rel-4 changes title from "Mobile Station Application Execution Environment (MExE); Stage 1".
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	5.0.0	Rel-5	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.071	Location Services (LCS); Stage 1	5.0.0	Rel-5	S1	WOHLERT, Randolph	Transfer>TSG#4
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	5.5.0	Rel-5	S1	GRECH, Michel	Transfer>TSG#4
TS	22.101	Service aspects; Service principles	5.4.0	Rel-5	S1	DWYER, Paul	
TS	22.105	Services & service capabilities	5.0.0	Rel-5	S1	EVEN, Anne	
TS	22.112	USIM toolkit interpreter; Stage 1	5.0.0	Rel-5	T3	MEYER, Michael	
TS	22.115	Service Aspects Charging and billing	5.1.0	Rel-5	S1	MONTEGROSSO, Emanuele	
TS	22.121	Service aspects; The Virtual Home Environment; Stage 1	5.2.0	Rel-5	S1	OGUNBEKUN, Jumoke	Former title: "Provision of Services in UMTS - The Virtual Home Environment; Stage 1"
TS	22.127	Service Requirement for the Open Services Access (OSA); Stage 1	5.2.0	Rel-5	S1	SWETINA, Joerg	
TS	22.129	Handover requirements between UTRAN and GERAN or other radio systems	5.1.0	Rel-5	S1	SAMPSON, Nick	
TS	22.140	Service aspects; Stage 1; Multimedia Messaging Service	5.0.0	Rel-5	S1	LAUMEN, Josef	(development in T2)
TS	22.141	Presence service; Stage 1	5.1.0	Rel-5	S1	WOHLERT, Randolph	
TS	22.146	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	5.1.0	Rel-5	S1	JARVIS, Andre	Replaces 22.946. Note that stage 2 is 23.246.
TS	22.174	Push service; stage 1	none	Rel-5	S1	WOLAK, Stephen	
TS	22.226	Global text telephony; Stage 1: Service description	5.1.0	Rel-5	S1	HELLSTROM, Gunnar	
TS	22.228	IP multimedia subsystem; Stage 1	5.4.0	Rel-5	S1	CATALDO, Mark	
TS	22.233	Transparent end-to-end packet-switched streamng service; Service aspects; Stage 1	1.0.0	Rel-5	S1	WOLAK, Stephen	
TS	22.240	3GPP generic user profile requirements; Stage 1	none	Rel-5	S1	AMERY, Paul	Cf work item 'Generic user profile"
TS	22.243	Distributed speech recognition based automated voice services	1.0.0	Rel-5	S1	WILLIAMS, David Hugh	
TR	22.928	IP-based multimedia services examples	none	Rel-5	S1	CATALDO, Mark	
TR	22.941	IP based multimedia framework; Stage 0	0.7.~~7~~0	Rel-5	S1	WOHLERT, Randolph	
TR	22.944	Service requirements for UE functionality split	1.0.0	Rel-5	S1	GUPTA, Sanjay	
TR	22.946	Broadcast and multicast services	1.0.0	Rel-5	S1	,	Replaced by 22.146.
TR	22.976	Study on PS domain services and capabilities	2.0.0	Rel-5	S1	CATALDO, Mark	Created Jan-00
TR	22.976	Study on PS domain services and capabilities	2.0.0	Rel-5	S1	CATALDO, Mark	Created Jan-00

Type	Number	Title	Ver at TSG#14	Rel	TSG/ WG	Editor	Comment
TS	23.002	Network Architecture	5.5.0	Rel-5	S2	SULTAN, Alain	Transfer>TSG#4,CR at TSG#5
TS	23.003	Numbering, Addressing and Identification	5.2.0	Rel-5	N4	GAASVIK, Per-Ola	
TS	23.009	Handover procedures	5.0.0	Rel-5	N1	FARHOUMAND, Rouzbeh	
TS	23.018	Basic Call Handling; Technical realization	5.2.0	Rel-5	N4	PARK, Ian David Chalmers	
TS	23.040	Technical realization of Short Message Service (SMS)	5.2.0	Rel-5	T2	HARRIS, Ian	
TS	23.048	Security Mechanisms for the (U)SIM application toolkit; Stage 2	5.2.0	Rel-5	T3	BARNES, Nigel	TP-12: replaces 43.048.
TS	23.060	General Packet Radio Service (GPRS) Service description; Stage 2	5.0.0	Rel-5	S2	DELECKI, Andrew	Transfer>TSG#4
TS	23.084	MultiParty (MPTY) Supplementary Service; Stage 2	5.0.0	Rel-5	N4	RUSSELL, Nick	
TS	23.107	Quality of Service (QoS) concept and architecture	5.3.0	Rel-5	S2	GREIS, Marc	was 23.907
TS	23.121	Architecture Requirements for release 99	5.0.0	Rel-5	S2	DANIEL, Elizabeth	
TS	23.127	Virtual Home Environment (VHE); Stage 2	5.0.0	Rel-5	S2	GOURRAUD, Christophe	Sept 00: "Open Service Architecture" removed from title.
TS	23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2	5.1.0	Rel-5	T2	LAUMEN, Josef	
TS	23.174	Push service; stage 2	none	Rel-5	S2	WOLAK, Stephen	Rapporteur: "note that there are currently no plans for a Push stage 2 but it is good to reserve the number just in case ...".
TS	23.178	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	none	Rel-5	N2	HOMANN, Christian	2001-10-26: renumbered to 23.278.
TS	23.205	Bearer-independent circuit-switched core network; Stage 2	5.0.0	Rel-5	N4	GARCIA-MENDIVE, Elena	2000-10: Rap change from Keutmann.
TS	23.207	End to end quality of service concept and architecture	5.2.0	Rel-5	S2	OYAMA, Johnson	
TS	23.218	IP Multimedia (IM) session handling; IM call model	1.0.0	Rel-5	N1	ALLEN, Andrew	
TS	23.221	Architectural requirements	5.3.0	Rel-5	S2	DANIEL, Elizabeth	Derived from R99-specific 23.121
TS	23.226	Global text telephony; Stage 2: Architecture	5.1.0	Rel-5	N4	HELLSTROM, Gunnar	
TS	23.227	Application and user interaction in the UE; Principles and specific requirements	5.0.0	Rel-5	T2	TOMÉ, Olga	
TS	23.228	IP Multimedia Subsystem (IMS); Stage 2	5.3.0	Rel-5	S2	TOWLE, Thomas	
TS	23.236	Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes	5.1.0	Rel-5	S2	TERRILL, Stephen	
TS	23.240	3GPP generic user profile requirements; Stage 2; Architecture	none	Rel-5	S2	SULTAN, Alain	Cf work item 'Generic user profile"
TS	23.241	3GPP generic user profile requirements; Stage 2; Data description framework	none	Rel-5	T2	LOCKHART, Rob	Cf work item 'Generic user profile"
TS	23.246	Multimedia Broadcast/Multicast Service (MBMS); Stage 2	none	Rel-5	S2	JARVIS, Andre	Note that stage 1 is 22.146. This number held in reserve for an eventual TS; meanwhile, scenarios are being worked on in 23.846.
TS	23.271	Functional stage 2 description of location services	5.1.0	Rel-5	S2	KÅLL, Jan	post-TSG#8: Recombined 2G and 3G spec for R00 onwards.
TS	23.278	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	1.0.0	Rel-5	N2	HOMANN, Christian	2001-10-26: renumbered from 23.178.
TR	23.815	Charging implications of IMS architecture	1.0.0	Rel-5	S2	MILINSKI, Alexander	Was 23.815.
TR	23.841	Presence service architecture	none	Rel-5	S2	MAANSAARI, Kirsi	
TR	23.846	Multimedia Broadcast/Multicast Service (MBMS); Stage 2	0.0.1	Rel-5	S2	JARVIS, Andre	This is a preparatory report which may result in the creation of a stage 2 TS 23.246.
TR	23.871	Enhanced support for user privacy in Location Services (LCS)	1.0.0	Rel-5	S2	KÅLL, Jan	
TR	23.875	Support of Push service	5.1.0	Rel-5	S2	UDA, Nobuyuki	SP-13: changed number from 23.974.

Type	Number	Title	Ver at TSG#14	Rel	TSG/ WG	Editor	Comment
TR	23.910	Circuit switched data bearer services	5.0.0	Rel-5	N3	WIIK, Rune Werner	03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval)
TR	23.915	Charging implications of IMS architecture	none	Rel-5	S2	MILINSKI, Alexander	2001-09-06: S2 Secretary: "May become 25.815." 2001-11-20: it has done so!
TR	23.955	Virtual Home Environment (VHE) concepts	0.1.0	Rel-5	S2	SULTAN, Alain	
TR	23.974	Support of push service	2.0.0	Rel-5	S2	UDA, Nobuyuki	SP-13: changed number to 23.875.
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	5.2.0	Rel-5	N1	HOWELL, Andrew	CR correction produced 3.0.1, CR at TSG#5. Outstanding issues not expected to be resolved till Jun00.
TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	5.0.0	Rel-5	N3	KLEHN, Norbert	CR at TSG#4 (post TSG#4 approval) includes title change. Old title: "Radio Link Protocol (RLP) for Data and Telematic Services on the (MS-BSS) Interface and the Base Station System - Mobile-services Switching Centre (BSS-MSC) Interface".
TS	24.228	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	1.8.0	Rel-5	N1	O'HARE, John	
TS	24.229	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	1.0.0	Rel-5	N1	DRAGE, Keith	NP-14: confirmed that this is appropriate for GSM as well as UMTS.
TS	24.241	3GPP generic user profile requirements; Stage 3; Access; Common objects	none	Rel-5	T2	LOCKHART, Rob	Cf work item 'Generic user profile" - may be renumbered to 27.241
TS	25.101	UE Radio transmission and reception (FDD)	5.1.0	Rel-5	R4	FERNANDES, Edgar	
TS	25.104	UTRA (BS) FDD; Radio transmission and reception	5.1.0	Rel-5	R4	SKÖLD, Johan	
TS	25.133	Requirements for support of radio resource management (FDD)	5.1.0	Rel-5	R4	RONCHINI, M. Cristina	
TS	25.141	Base station conformance testing (FDD)	5.1.0	Rel-5	R4	NAKAMURA, Takaharu	
TS	25.305	Stage 2 functional specification of UE positioning in UTRAN	5.3.0	Rel-5	R2	MIHAILESCU, Claudiu	Created from 25.923
TS	25.308	UTRA High Speed Downlink Packet Access (HSPDA); Overall description; Stage 2	5.1.0	Rel-5	R2	KUCHIBHOTLA, Ravi	TS created from entrails of TR 25.855.
TS	25.401	UTRAN Overall Description	5.1.0	Rel-5	R3	CALMEL, Jean-Marie	Approval at TSG#5
TS	25.450	UTRAN Iupc interface general aspects and principles	5.1.0	Rel-5	R3	LIN, Ie-Hong	
TS	25.451	UTRAN Iupc interface layer 1	5.0.0	Rel-5	R3	LIN, Ie-Hong	
TS	25.452	UTRAN Iupc interface signalling transport	5.0.0	Rel-5	R3	LIN, Ie-Hong	
TS	25.453	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	5.2.0	Rel-5	R3	LIN, Ie-Hong	
TR	25.854	Uplink Synchronous Transmission Scheme (USTS)	5.0.0	Rel-5	R1	KIM, Duk Kyung	
TR	25.855	High Speed Downlink Packet Access (HSDPA); Overall UTRAN description	5.0.0	Rel-5	R2	KUCHIBHOTLA, Ravi	
TR	25.856	High Speed Downlink Packet Access (HSDPA); Layer 2 and 3 aspects hans	none	Rel-5	R2	KUCHIBHOTLA, Ravi	
TR	25.857	UE positioning enhancements	none	Rel-5	R2	BECKMANN, Mark	
TR	25.858	Physical layer aspects of UTRA High Speed Downlink Packet Access	1.0.0	Rel-5	R1	GHOSH, Amitabha	
TR	25.859	User Equipment positioning enhancements for 1,28 Mcps TDD	1.0.1	Rel-5	R2	,	
TR	25.860	Radio acces bearer support enhancements	none	Rel-5	R2	MIKOLA, Juha	
TR	25.861	RNC - SMLC location protocol	none	Rel-5	R2	MIKOLA, Juha	
TR	25.867	Feasibility study for wideband distribution systems in 3rd generation networks	1.0.0	Rel-5	R4	ALLAN, Mark	

Type	Number	Title	Ver at TSG#14	Rel	TSG/ WG	Editor	Comment
TR	25.868	Node B synchronization for 1,28 Mcps, TDD	1.1.0	Rel-5	R1	HU, Jinling	
TR	25.869	RAN WG1 report on Tx diversity solutions for multiple antennas	1.0.1	Rel-5	R1	KIM, Sung-Jin	
TR	25.870	Enhancement on the DSCH Hard Split mode	1.1.0	Rel-5	R1	KIM, Jaeyoel	
TR	25.875	NAS node selector function	1.0.0	Rel-5	R3	MCWILLIAMS, Brendan	
TR	25.876	Multiple-Input Multiple-Output Antenna Processing for HSDPA	1.0.0	Rel-5	R1	HUANG, Howard	
TR	25.877	High Speed Downlink Packet Access (HSDPA) - Iub/Iur Protocol Aspects	0.3.1	Rel-5	R3	DIESEN, Michael	
TR	25.878	RL Timing Adjustment	0.2.0	Rel-5	R3	VOLTOLINA, Elena	
TR	25.879	Separation of resource reservation and radio link activation	0.3.1	Rel-5	R3	LIESHOUT, Gert-Jan	
TS	25.880	Traffic Termination Point Swapping	0.3.0	Rel-5	R3	ISOKANGAS, Jari	
TR	25.881	Improvement of Radio Resource Management across RNS and RNS/BSS	5.0.0	Rel-5	R3	HWANG, Woonhee	
TR	25.882	1,28 Mcps TDD option base station classification	1.1.0	Rel-5	R4	MEYER, Juergen	
TR	25.883	Direct Transport Bearers Between SRNC and Node-B	0.2.0	Rel-5	R3	VAN LIESHOUT, Gert-Jan	
TR	25.884	Iur Neighbouring cell reporting efficiency optimisation	0.1.0	Rel-5	R3	VOLTOLINA, Elena	Previous rapporteur: Shahrokh Amirijoo.
TR	25.885	UMTS 1800 / 1900 MHz work items report	1.0.0	Rel-5	R4	NUMMINEN, Jussi	
TR	25.886	Ssmall technical enhancements and improvements work item	none	Rel-5	R4	KWAK, Joe	
TR	25.887	Beamforming	1.0.0	Rel-5	R1	KAHTAVA, Jussi	
TR	25.888	Improvement of inter frequency and inter system measurement for 1,28 Mcps TDD	none	Rel-5	R1	LI, Xiaoqiang	
TR	25.933	IP Transport in UTRAN	1.5.1	Rel-5	R3	DREVON, Nicolas	
TR	25.952	Base Station classification (TDD)	5.0.0	Rel-5	R4	AXNESS, Timothy	
TR	25.991	Feasibility study on the mitigation of the effect of common pilot channel (CPICH) interference at the user equipment	1.0.0	Rel-5	R4	MOSHAVI, Shimon	
TS	26.103	Codec lists	5.0.0	Rel-5	S4	HELLWIG, Karl	New after TSG#5
TS	26.131	Terminal acoustic characteristics for telephony; Requirements	5.1.0	Rel-5	S4	GOETZ, Ian	
TS	26.132	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	5.1.0	Rel-5	S4	GOETZ, Ian	
TS	26.140	Multimedia Messaging Service (MMS); Media formats and codes	1.0.0	Rel-5	S4	CASTAGNO, Roberto	
TS	26.171	AMR speech codec, wideband; General description	5.0.0	Rel-5	S4	EKUDDEN, Erik	
TS	26.173	ANSI-C code for the Adaptive Multi Rate (AMR) Wideband speech codec	5.3.0	Rel-5	S4	EKUDDEN, Erik	2001-10-01: added "G" flag.
TS	26.174	AMR speech codec, wideband; Test sequences	5.2.0	Rel-5	S4	EKUDDEN, Erik	
TS	26.190	Mandatory Speech Codec speech processing functions AMR Wideband speech codec; Transcoding functions	5.1.0	Rel-5	S4	VACANT,	
TS	26.191	AMR speech codec, wideband; Error concealment of lost frames	5.0.0	Rel-5	S4	EKUDDEN, Erik	
TS	26.192	Mandatory Speech Codec speech processing functions AMR Wideband Speech Codec; Comfort noise aspects	5.0.0	Rel-5	S4	VACANT,	
TS	26.193	AMR speech codec, wideband; Source Controlled Rate operation	5.0.0	Rel-5	S4	EKUDDEN, Erik	

Type	Number	Title	Ver at TSG#14	Rel	TSG/ WG	Editor	Comment
TS	26.194	Mandatory Speech Codec speech processing functions AMR Wideband speech codec; Voice Activity Detector (VAD)	5.0.0	Rel-5	S4	VACANT,	
TS	26.201	AMR speech codec, wideband; Frame structure	5.0.0	Rel-5	S4	HAGQVIST, Jari	
TS	26.202	AMR speech codec, wideband; Interface to Iu and Uu	5.0.0	Rel-5	S4	NAVARRO, William	
TS	26.204	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) wideband speech codec	1.0.0	Rel-5	S4	,	
TS	26.226	Global text telephony;Transport of text in the voice channel	5.0.0	Rel-5	S4	HELLSTROM, Gunnar	
TS	26.230	Global text telephony; Cellular text telephone modem transmitter C-code description	5.0.1	Rel-5	S4	HELLSTROM, Gunnar	
TS	26.231	Global text telephony; Cellular text telephone modem minimum performance requirements	5.1.0	Rel-5	S4	HELLSTROM, Gunnar	
TS	26.235	Packet switched conversational multimedia applications; Default codecs	5.0.0	Rel-5	S4	OJALA, Pasi	
TS	26.236	Packet switched conversational multimedia applications; Transport protocols	1.0.0	Rel-5	S4	OJALA, Pasi	
TR	26.937	Transparent end-to-end packet switched streaming service (PSS); RTP usage model	0.~~0~~1.0	Rel-5	S4	VARSA, Viktor	
TR	26.976	Results of the AMR wideband (AMR-W) selection phase	0.6.0	Rel-5	S4	JÄRVINEN, Kari	Replaces 26.075.
TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	5.0.0	Rel-5	N3	WIIK, Rune Werner	
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	5.0.0	Rel-5	N3	WIIK, Rune Werner	
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	5.0.0	Rel-5	N3	WIIK, Rune Werner	
TS	27.007	AT command set for 3G User Equipment (UE)	5.0.0	Rel-5	T2	VACANT,	
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	5.0.0	Rel-5	N3	WILD, Johanna	GPRS
TS	27.104	vObjects and other constructs for data synchronization	0.1.1	Rel-5	T2	LOCKHART, Rob	TP-14: may be merged with 24.241
TS	27.226	Global Text telephony;Terminal aspects	none	Rel-5	T2	HELLSTROM, Gunnar	
TS	27.241	3GPP generic user profile requirements; Stage 3; Access; Common objects	none	Rel-5	T2	LOCKHART, Rob	Cf work item 'Generic user profile" - may be renumbered to 24.241
TS	29.002	Mobile Application Part (MAP) specification	5.0.0	Rel-5	N4	DETTNER, Harald	
TS	29.007	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	5.0.0	Rel-5	N3	KLEHN, Norbert	
TS	29.018	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	5.0.0	Rel-5	N1	MILLS, Duncan	
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	5.0.0	Rel-5	N4	YOUNG, Michael	
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	5.0.0	Rel-5	N3	WILD, Johanna	Former title: "General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet".
TS	29.162	Interworking between the IM CN subsystem and IP networks	0.4.0	Rel-5	N3	HOLLAND, Nigel	
TS	29.163	Interworking between the IM CN subsystem and CS networks	1.0.0	Rel-5	N3	SANDERS, David	

Type	Number	Title	Ver at TSG#14	Rel	TSG/ WG	Editor	Comment
TS	29.198-09	Open Service Access (OSA) Application Programming Interface (API); Part 9: Generic messaging SCF	none	Rel-5	N5	,	
TS	29.198-10	Open Service Access (OSA) Application Programming Interface (API); Part 10: Connectivity manager SCF	none	Rel-5	N5	,	
TS	29.203	Feasibility study on SS7 signalling transportation in the core network with SCCP-User Adaptation (SUA)	none	Rel-5	N4	YOUNG, Michael	superseded by 29.903
TS	29.207	End to end Quality of Service (QoS); stage 3	0.5.0	Rel-5	N3	YOKOTA, Daisuke	
TS	29.208	End to end Quality of Service (QoS) signalling flows	0.2.0	Rel-5	N3	YOKOTA, Daisuke	
TS	29.226	reserved	none	Rel-5	N4	VACANT,	
TS	29.228	IP Multimedia (IM) Subsystem Cx Interface; Signalling flows and message contents	1.0.0	Rel-5	N4	CZOMA, Balazs	Additional rapporteur: Miguel-Angel Pallares-Lopez
TS	29.229	Cx Interface based on the Diameter protocol; Protocol details	1.0.0	Rel-5	N4	PALLARES LOPEZ, Miguel Angel	2nd rapporteur: CZOMA, Balazs.
TS	29.232	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	5.0.0	Rel-5	N4	PARK, Ian David Chalmers	Additional rapporteur: Laura.Pomponi@CSELT.IT
TS	29.240	3GPP generic user profile requirements; Stage 3; Network	none	Rel-5	N4	KYMALAINEN, Kimmo	Cf work item 'Generic user profile" - may be renumbered to 27.241
TR	29.903	Feasibility study on SS7 signalling transportation in the core network with SCCP-User Adaptation (SUA)	5.0.0	Rel-5	N4	YOUNG, Michael	Supersedes 29.203.
TR	29.998-04-2	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 2:	none	Rel-5	N5	UNMEHOPA, Musa	
TR	29.998-05-2	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 2:	none	Rel-5	N5	UNMEHOPA, Musa	
TR	29.998-05-3	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 3	none	Rel-5	N5	UNMEHOPA, Musa	
TS	31.112	USAT Interpreter Architecture Description; Stage 2	5.1.0	Rel-5	T3	,	
TS	31.113	USAT interpreter byte codes	5.1.0	Rel-5	T3	,	
TS	31.114	USAT interpreter protocol and administration	1.0.0	Rel-5	T3	MEYER, Michael	
TS	31.131	C-language binding for (U)SIM API	1.0.0	Rel-5	T3	TOM, Wim	
TS	32.108	Telecommunication management: Subscriber and equipment trace	0.0.1	Rel-5	S5	RONKA, Kari	
TS	32.112	Telecommunication ~~M~~management; Fault Management; Alarm Integration Reference Point: Information Service	none	Rel-5	S5	~~JURE, Patrick~~ TOVINGER, Thomas	
TS	32.113	Telecommunication ~~M~~management; Fault Management; Alarm Integration Reference Point: CORBA solution set version 1:1	none	Rel-5	S5	~~JURE, Patrick~~ TOVINGER, Thomas	
TS	32.114	Telecommunication ~~M~~management; Fault Management; Alarm Integration Reference Point: CMIP solution set	none	Rel-5	S5	~~JURE, Patrick~~ TOVINGER, Thomas	
TS	32.140	Telecommunication ~~M~~management; 3G Service Management Requirements & Framework	0.1.3	Rel-5	S5	CARYER, Geoffrey	
TS	32.225	Telecommunications management; Charging management; Charging data description for the IMS domain	none	Rel-5	S5	SHARON, Ariel	
TS	32.302	Telecommunication ~~M~~management; Configuration Management; Notification Integration Reference Point; Information Service version 1	5.0.0	Rel-5	S5	TSE, Edwin	was 32.301-2

Type	Number	Title	Ver at TSG#14	Rel	TSG/ WG	Editor	Comment
TS	32.304	Telecommunication ~~M~~management; Configuration Management; Notification Integration Reference Point: CMIP Solution Set Version 1:1	5.0.0	Rel-5	S5	ZHOU, Di	was 32.301-4
TS	32.312-2	Telecommunication management; Generic IRP management; Information service	none	Rel-5	S5	,	-> 32.112
TS	32.625	Telecommunication management;3G Configuration ~~M~~management; Generic network resources IRP: Bulk CM XML file format definition	none	Rel-5	S5	BONNEAU, Frédéric	
TS	32.645	Telecommunication management; 3G Configuration ~~M~~management; UTRAN network resources IRP: Bulk CM XML file format definition	none	Rel-5	S5	BONNEAU, Frédéric	
TS	32.655	Telecommunication management; 3G Configuration ~~M~~management; GERAN network resources IRP: Bulk CM XML file format definition	none	Rel-5	S5	BONNEAU, Frédéric	
TS	32.661	Telecommunication management;3G configuration management; Kernel CM requirements	none	Rel-5	S5	WILBER, John	
TS	32.662	Telecommunication management; 3G configuration management; Kernel CM information service	none	Rel-5	S5	WILBER, John	
TS	32.663	Telecommunication management; 3G configuration management; Kernel CM CORBA solution set	none	Rel-5	S5	WILBER, John	
TS	32.664	Telecommunication management; 3G configuration management; Kernel CM CMIP solution set	none	Rel-5	S5	WILBER, John	
TS	32.671	Telecommunication management; 3G Configuration Management; State Management IRP: Requirements	0.1.2	Rel-5	S5	ZHOU, Di	
TS	32.672	Telecommunication management; 3G Configuration Management; State Management IRP: Information service	0.1.1	Rel-5	S5	ZHOU, Di	
TS	32.673	Telecommunication management; 3G Configuration Management; State Management IRP: CORBA Solution set	none	Rel-5	S5	ZHOU, Di	
TS	32.674	Telecommunication management; 3G Configuration Management; State Management IRP: CMIP Solution set	0.1.0	Rel-5	S5	ZHOU, Di	

Type	Number	Title	Ver at TSG#14	Rel	TSG/ WG	Editor	Comment
TR	32.801	Performance management	none	Rel-5	S5	KORINEK, Frank	(Release 4/5 Building Block: OAM-PM)
TR	32.802	3G ~~telecom~~Telecommunication management: User Equipment (UE) management feasibility study	1.0.0	Rel-5	S5	MUDGE, John	
TS	33.106	Lawful interception requirements	5.0.0	Rel-5	S3	WILHELM, Berthold	
TS	33.107	3G security; Lawful interception architecture and functions	5.1.0	Rel-5	S3	WILHELM, Berthold	
TS	33.108	Handover interface for Lawful Interception	none	Rel-5	S3	WILHELM, Berthold	2001-12-04 Title changed from "Lawful Interception; Interface between core network and law agency equipment" (Berthold.Wilhelm@RegTP.de).
TS	33.201	Access domain security	none	Rel-5	S3	POPE, Maurice	
TS	33.203	Access security for IP based services	1.0.0	Rel-5	S3	BOMAN, Krister	
TS	33.210	Network Domain Security - IP	1.0.0	Rel-5	S3	KOIEN, Geir	2001-05-24: 33.200 split into MAP (33.200) and IP (33.210).
TR	33.800	Principles for Network Domain Security	none	Rel-5	S3	ESCOTT, Adrian	
TR	33.900	Guide to 3G security	0.4.1	Rel-5	S3	BROOKSON, Charles	
TR	33.903	Access Security for IP based services	none	Rel-5	S3	VACANT,	
TR	33.903	Access Security for IP based services	none	Rel-5	S3	VACANT,	
TS	41.103	GSM Release 5 specifications	1.0.0	Rel-5	SP	MEREDITH, John M	
TS	42.019	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1	5.0.0	Rel-5	T3	DIETRICH, Christian	
TS	43.019	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	5.1.0	Rel-5	T3	DIETRICH, Christian	
TS	43.050	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	5.0.0	Rel-5	S4	USAI, Paolino	
TS	43.051	GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2	5.4.0	Rel-5	G1	SÉBIRE, Guillaume	Originally created as 03.51r00
TS	43.059	Functional stage 2 description of Location Services (LCS) in GERAN	5.1.0	Rel-5	G1	LIVINGSTON, Margaret	
TR	43.900	Support for voice optimization for the IMS in the GERAN	none	Rel-5	G2	GUARINO, Bernard	
TS	44.004	Layer 1 - General Requirements	5.1.0	Rel-5	G2	ISAACS, Ken	
TS	44.018	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	5.3.0	Rel-5	G2	HOWELL, Andrew	
TS	44.021	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	5.0.0	Rel-5	N3	RÄSÄNEN, Juha	
TS	44.031	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	5.1.0	Rel-5	G2	GARAPATY, Sonia	
TS	44.064	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	5.0.0	Rel-5	N1	SALKINTZIS, Apostolis	
TS	44.118	Mobile radio interface layer 3 specification, Radio Resource Control (RRC) protocol Iu mode	none	Rel-5	G2	VIRTEJ, IULIANA	
TR	44.901	External network assisted cell change (NACC)	none	Rel-5	G2	BACKLUND, Ingemar	
TS	45.001	Physical Layer on the Radio Path (General Description)	5.2.0	Rel-5	G1	JOKINEN, Harri	
TS	45.002	Multiplexing and Multiple Access on the Radio Path	5.3.0	Rel-5	G1	SÉBIRE, Benoist	
TS	45.003	Channel coding	5.3.0	Rel-5	G1	SÉBIRE, Benoist	
TS	45.004	Modulation	5.0.0	Rel-5	G1	SÉBIRE, Benoist	
TS	45.005	Radio transmission and reception	5.2.0	Rel-5	G1	SAMUELSSON, Mats	
TS	45.008	Radio subsystem link control	5.4.0	Rel-5	G1	EL-SAIGH, Amer	

Type	Number	Title	Ver at TSG#14	Rel	TSG/ WG	Editor	Comment
TS	45.009	Link adaptation	5.2.0	Rel-5	G1	ANDERSEN, Niels Peter Skov	
TS	48.002	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	5.0.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	48.008	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	5.3.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	48.016	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	5.1.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	48.018	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	5.1.0	Rel-5	G2	BLACK, Jyoti	
TS	48.020	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	5.0.0	Rel-5	N3	RÄSÄNEN, Juha	
TS	48.058	Base Station Controler - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	5.3.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	49.031	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	5.1.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	51.011	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	5.0.0	Rel-5	T3	GUTHERY, Scott B.	TP-14: talk of changing title to "Characteristics of the SIM application".

Annex E: List of Change Requests and their status after TSG SA Meeting #14

E.1 CRs from SA WG1

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-010663	02.78	A044		6.5.0	R97	Calling Party Number can not be modified by CSE	approved	F	6.6.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service definition (Stage 1)
SP-010663	02.78	A045		7.1.0	R98	Calling Party Number can not be modified by CSE	approved	A	7.2.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service definition (Stage 1)
SP-010671	21.905	021	1	5.1.0	Rel-5	Defintion of Local Services	approved	F	5.2.0	Vocabulary for 3GPP Specifications
SP-010672	22.003	008		4.2.0	Rel-5	Clarification of requirements for support of codecs	approved	C	5.0.0	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)
SP-010685	22.011	030		3.5.0	R99	CR to 22.011 R99 'Interaction between equivalent PLMN list and periodic network selection attempts'	approved	F	3.6.0	Service accessibility
SP-010665	22.011	030		3.5.0	R99	CR to 22.011 R99 'Interaction between equivalent PLMN list and periodic network selection attempts'	withdrawn	F	3.6.0	Service accessibility
SP-010685	22.011	031		4.4.0	Rel-4	CR to 22.011 R4 'Interaction between equivalent PLMN list and periodic network selection attempts'	approved	A	4.5.0	Service accessibility
SP-010665	22.011	031		4.4.0	Rel-4	CR to 22.011 R4 'Interaction between equivalent PLMN list and periodic network selection attempts'	withdrawn	A	4.5.0	Service accessibility
SP-010669	22.011	032		3.5.0	R99	CR to 22.011 R99 'Clarification on the interpretation of the term "country" in 22.011'	withdrawn	F	3.6.0	Service accessibility
SP-010689	22.011	032		3.5.0	R99	CR to 22.011 R99 'Clarification on the interpretation of the term "country" in 22.011'	rejected	F	3.6.0	Service accessibility
SP-010689	22.011	033		4.4.0	Rel-4	CR to 22.011 R4 'Clarification on the interpretation of the term "country" in 22.011'	rejected	A	4.5.0	Service accessibility
SP-010669	22.011	033		4.4.0	Rel-4	CR to 22.011 R4 'Clarification on the interpretation of the term "country" in 22.011'	withdrawn	A	4.5.0	Service accessibility
SP-010684	22.011	034		3.5.0	R99	CR to 22.011 R99 'Editorial improvements	approved	F	3.6.0	Service accessibility
SP-010664	22.011	034		3.5.0	R99	CR to 22.011 R99 'Editorial improvements	withdrawn	F	3.6.0	Service accessibility
SP-010684	22.011	035		4.4.0	Rel-4	CR to 22.011 R4 'Editorial improvements'	approved	A	4.5.0	Service accessibility
SP-010664	22.011	035		4.4.0	Rel-4	CR to 22.011 R4 'Editorial improvements'	withdrawn	A	4.5.0	Service accessibility
SP-010688	22.011	036		3.5.0	R99	CR to 22.011 R99 'Clarification on the UE behaviour when receiving a registration rejection'	approved	F	3.6.0	Service accessibility
SP-010668	22.011	036		3.5.0	R99	CR to 22.011 R99 'Clarification on the UE behaviour when receiving a registration rejection'	withdrawn	F	3.6.0	Service accessibility
SP-010688	22.011	037		4.4.0	Rel-4	CR to 22.011 R4 'Clarification on the UE behaviour when receiving a registration rejection'	approved	A	4.5.0	Service accessibility
SP-010668	22.011	037		4.4.0	Rel-4	CR to 22.011 R4 'Clarification on the UE behaviour when receiving a registration rejection'	withdrawn	A	4.5.0	Service accessibility
SP-010687	22.011	038		3.5.0	R99	CR to 22.011 R99 'Simplification of the procedure for user PLMN reselection'	approved	F	3.6.0	Service accessibility

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-010667	22.011	038		3.5.0	R99	CR to 22.011 R99 'Simplification of the procedure for user PLMN reselection'	withdrawn	F	3.6.0	Service accessibility
SP-010687	22.011	039		4.4.0	Rel-4	CR to 22.011 R4 'Simplification of the procedure for user PLMN reselection'	approved	A	4.5.0	Service accessibility
SP-010667	22.011	039		4.4.0	Rel-4	CR to 22.011 R4 'Simplification of the procedure for user PLMN reselection'	withdrawn	A	4.5.0	Service accessibility
SP-010686	22.011	040		3.5.0	R99	CR to 22.011 R99 'Interaction between “equivalent PLMN” list and “Forbidden PLMN” list'	approved	F	3.6.0	Service accessibility
SP-010666	22.011	040		3.5.0	R99	CR to 22.011 R99 'Interaction between “equivalent PLMN” list and “Forbidden PLMN” list'	withdrawn	F	3.6.0	Service accessibility
SP-010686	22.011	041		4.4.0	Rel-4	CR to 22.011 R4 'Interaction between “equivalent PLMN” list and “Forbidden PLMN” list'	approved	A	4.5.0	Service accessibility
SP-010666	22.011	041		4.4.0	Rel-4	CR to 22.011 R4 'Interaction between “equivalent PLMN” list and “Forbidden PLMN” list'	withdrawn	A	4.5.0	Service accessibility
SP-010740	22.011	042	-	4.4.0	Rel-4	Interaction between ePLMN and manual mode	revised	F	4.5.0	Service accessibility
SP-010746	22.011	042	1	4.4.0	Rel-4	Interaction between ePLMN and manual mode	revised	A	4.5.0	Service accessibility
SP-010757	22.011	042	2	4.4.0	Rel-4	Interaction between ePLMN and manual mode	approved	A	4.5.0	Service accessibility
SP-010746	22.011	043	-	3.5.0	R99	Interaction between ePLMN and manual mode	revised	F	3.6.0	Service accessibility
SP-010757	22.011	043	1	3.5.0	R99	Interaction between ePLMN and manual mode	approved	F	3.6.0	Service accessibility
SP-010673	22.071	029		4.3.0	Rel-5	Privacy Override Indicator	approved	C	5.0.0	Location Services (LCS); Stage 1
SP-010674	22.078	124		4.3.0	Rel-4	Removal of Volume charging for GPRS Session	approved	F	4.4.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-010674	22.078	125		5.4.0	Rel-5	Removal of Volume charging for GPRS Session	approved	A	5.5.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-010674	22.078	126		5.4.0	Rel-5	Use of start digit string as only criteria in Mid Call DP	approved	C	5.5.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-010674	22.078	127		5.4.0	Rel-5	Ability to arm Mid Call DP for the duration of a call	approved	C	5.5.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-010674	22.078	128	1	5.4.0	Rel-5	Introduction of subscriber status information in PS domain	approved	C	5.5.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-010674	22.078	129		5.4.0	Rel-5	CR to 22.078 (Ability to re-arm the event in the change of position procedures during a call)	approved	C	5.5.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-010674	22.078	130		5.4.0	Rel-5	CR to 22.078 (Removal of call suspension in the change of position procedures)	approved	F	5.5.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-010671	22.121	021	1	5.1.0	Rel-5	Defintion of Local Services	approved	F	5.2.0	Service aspects; The Virtual Home Environment; Stage 1
SP-010675	22.127	025		4.2.0	Rel-4	CR to TS 22.127 v 5.1.1, (Cat F R4) on Removal of Terminal Capability Change Notification	approved	F	4.3.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-010675	22.127	026		5.1.1	Rel-5	CR to TS 22.127 v 5.1.1, (Cat F R5)on OSA Information Service Modification	approved	F	5.2.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-010675	22.127	027		5.1.1	Rel-5	CR to TS 22.127 v 5.1.1, (Cat C R5) User Data Management Modifications	approved	C	5.2.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-010675	22.127	028		5.1.1	Rel-5	CR to TS 22.127 v 5.1.1, (Cat C R5) User Data Management Security Modifications	approved	C	5.2.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-010675	22.127	029		5.1.1	Rel-5	CR to TS 22.127 v 5.1.1, (Cat D R5) Editorial corrections for the Support of Presence Service	approved	D	5.2.0	Service Requirement for the Open Services Access (OSA); Stage 1

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SP-010675	22.127	030		5.1.1	Rel-5	CR to TS 22.127 v 5.1.1, (Cat F R5) High Level requirements concerning OSA impact on SCF´s	approved	F	5.2.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-010675	22.127	031		5.1.1	Rel-5	CR to TS 22.127 v 5.1.1, (Cat C R5) Support for presence related capability functions	approved	C	5.2.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-010675	22.127	032		5.1.1	Rel-5	CR to TS 22.127 v 5.1.1, (Cat C R5) Backward Compatibility	approved	C	5.2.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-010675	22.127	033		5.1.1	Rel-5	CR to TS 22.127 V 5.1.1 (Cat B R5) Adding IM Session Control Funct	approved	B	5.2.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-010670	22.129	023		3.5.0	R99	Multicall handover requirements	approved	F	3.6.0	Handover requirements between UTRAN and GERAN or other radio systems
SP-010670	22.129	024		4.3.0	Rel-4	Multicall handover requirements	approved	A	4.4.0	Handover requirements between UTRAN and GERAN or other radio systems
SP-010670	22.129	025		5.0.0	Rel-5	Multicall handover requirements	approved	A	5.1.0	Handover requirements between UTRAN and GERAN or other radio systems
SP-010676	22.140	008		4.1.0	Rel-5	Stage 1 Requirements for VASP connectivity	approved	B	5.0.0	Service aspects; Stage 1; Multimedia Messaging Service
SP-010748	22.140	009	-	4.1.0	Rel-5	Minimum set of functionality for the support of a Network Based repository	approved	B	5.0.0	Service aspects; Stage 1; Multimedia Messaging Service
SP-010677	22.141	001		5.0.0	Rel-5	Protection against replay attacks	approved	C	5.1.0	Presence service; Stage 1
SP-010677	22.141	002		5.0.0	Rel-5	Reserved for Presence	approved	C	5.1.0	Presence service; Stage 1
SP-010677	22.141	003		5.0.0	Rel-5	Clarification to Presence access rules	approved	C	5.1.0	Presence service; Stage 1
SP-010677	22.141	004		5.0.0	Rel-5	Clarification on charging mechanisms	approved	B	5.1.0	Presence service; Stage 1
SP-010677	22.141	005		5.0.0	Rel-5	Clarification of registration and administration procedures	approved	F	5.1.0	Presence service; Stage 1
SP-010677	22.141	006		5.0.0	Rel-5	Use of 'Principal' within TS 22.141	approved	F	5.1.0	Presence service; Stage 1
SP-010677	22.141	008		5.0.0	Rel-5	Clarification of presence information requirements	approved	F	5.1.0	Presence service; Stage 1
SP-010678	22.146	002	2	5.0.0	Rel-5	Proposed CR on changes to definitions in 22.146	approved	F	5.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1
SP-010678	22.146	003	3	5.0.0	Rel-5	Proposed CR on clarification of reliable transmission	approved	B	5.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1
SP-010678	22.146	005	1	5.0.0	Rel-5	Proposed CR on clarifications of the availability of MBMS	approved	F	5.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1
SP-010678	22.146	006	2	5.0.0	Rel-5	Proposed CR on Clarification on MBMS applicability in Gb mode	approved	F	5.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1
SP-010678	22.146	009	2	5.0.0	Rel-5	Proposed CR on data loss during handover	approved	F	5.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1
SP-010678	22.146	011	1	5.0.0	Rel-5	Proposed CR on optional privacy assurance for Multicast services	approved	C	5.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1
SP-010678	22.146	018	2	5.0.0	Rel-5	Proposed CR to 22.146: High level Diagrams of MBMS	approved	F	5.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1
SP-010678	22.146	019		5.0.0	Rel-5	CR Clarifying Service Requirements on Multicast and Broadcast Areas	approved	F	5.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1
SP-010678	22.146	020	2	5.0.0	Rel-5	Proposed CR to 22.146 MBMS	approved	F	5.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1
SP-010678	22.146	021		5.0.0	Rel-5	Multiple Areas for Multicast and Broadcast Services	approved	B	5.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1
SP-010678	22.146	022	1	5.0.0	Rel-5	MBMS service discovery	approved	F	5.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1

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SP-010678	22.146	023		5.0.0	Rel-5	CR to 22.146 (MBMS) UE and MS definition	approved	F	5.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1
SP-010671	22.228	005	1	5.3.0	Rel-5	Defintion of Local Services	approved	F	5.4.0	IP multimedia subsystem; Stage 1

E.2 CRs from SA WG2

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SP-010706	03.60	A211	1	6.9.0	R97	Losing PDP context during Inter SGSN RA Update	approved	F	6.10.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010706	03.60	A212	1	7.7.0	R98	Losing PDP context during Inter SGSN RA Update	approved	A	7.8.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010707	03.71	A033		7.7.0	R98	Error Handling for E-OTD and GPS	approved	F	7.8.0	Location Services (LCS); Functional description; Stage 2
SP-010707	03.71	A034		8.3.0	R99	Error Handling for E-OTD and GPS	approved	A	8.4.0	Location Services (LCS); Functional description; Stage 2
SP-010708	23.002	070		5.4.0	Rel-5	Editorial alignment of 23.002 on CSCF	approved	D	5.5.0	Network Architecture
SP-010708	23.002	072		5.4.0	Rel-5	Aligning MGW descriptions	approved	D	5.5.0	Network Architecture
SP-010708	23.002	074		5.4.0	Rel-5	Correction of abbreviation of CSCF	approved	D	5.5.0	Network Architecture
SP-010708	23.002	075	2	5.4.0	Rel-5	HSS section clean up	approved	C	5.5.0	Network Architecture
SP-010708	23.002	079		5.4.0	Rel-5	Correction of Gi reference point definition	approved	F	5.5.0	Network Architecture
SP-010708	23.002	080		3.4.0	R99	Deleting SIWF functionality	approved	F	3.5.0	Network Architecture
SP-010708	23.002	081		4.3.0	Rel-4	Deleting SIWF functionality	approved	A	4.4.0	Network Architecture
SP-010708	23.002	082		5.4.0	Rel-5	Deleting SIWF functionality	approved	A	5.5.0	Network Architecture
SP-010706	23.060	246	2	3.9.0	R99	Losing PDP context during Inter SGSN RA Update	approved	A	3.10.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010706	23.060	247	3	4.2.0	Rel-4	Losing PDP context during Inter SGSN RA Update	approved	A	4.3.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010706	23.060	261	1	3.9.0	R99	Correction to CAMEL Procedure Names duringRoutingAreaUpdate	approved	F	3.10.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010706	23.060	262	1	4.2.0	Rel-4	Correction to CAMEL Procedure Names duringRoutingAreaUpdate	approved	A	4.3.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010706	23.060	263	4	4.3.0	Rel-5	Impacts on the Attach procedure due to the Intra Domain Connection of RAN Nodes to Multiple CN Nodes	approved	B	5.0.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010706	23.060	264	1	4.3.0	Rel-5	Impacts on the Gs interface due to the Intra Domain Connection of RAN Nodes to Multiple CN Nodes	approved	B	5.0.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010706	23.060	265	4	4.3.0	Rel-5	Impacts on the Intersystem change procedure due to the Intra Domain Connection of RAN Nodes to Multiple CN Nodes	approved	B	5.0.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010706	23.060	266	3	4.3.0	Rel-5	Impacts on the RAU procedure due to the Intra Domain Connection of RAN Nodes to Multiple CN Nodes	approved	B	5.0.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010706	23.060	267	4	4.3.0	Rel-5	Impacts on the Suspend procedure due to the Intra Domain Connection of RAN Nodes to Multiple CN Nodes	approved	B	5.0.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010706	23.060	268	2	4.3.0	Rel-5	Impacts on the SRNS Relocation procedure due to the Intra Domain Connection of RAN Nodes to Multiple CN Nodes	approved	B	5.0.0	General Packet Radio Service (GPRS) Service description; Stage 2

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SP-010706	23.060	269	2	4.3.0	Rel-5	General changes due to Intra Domain Connection of RAN Nodes to Multiple CN Nodes	approved	B	5.0.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010706	23.060	270	1	4.2.0	Rel-4	Clarification on the format of 'APN in use' stored in SGSN	approved	F	4.3.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010706	23.060	271	1	3.9.0	R99	Correction inter SGSN RAU	approved	F	3.10.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010706	23.060	272	1	4.2.0	Rel-4	Correction inter SGSN RAU	approved	A	4.3.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010706	23.060	273	1	3.9.0	R99	CAMEL interaction during RNC-initiated and RAB release-initiated local PDP context modification procedure for real-time PDP contexts	approved	F	3.10.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010706	23.060	274	1	4.2.0	Rel-4	CAMEL interaction during RNC-initiated and RAB release-initiated local PDP context modification procedure for real-time PDP contexts	approved	A	4.3.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010706	23.060	275	2	3.9.0	R99	Behaviour of the MS on entering a new PLMN	approved	F	3.10.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010706	23.060	276	4	4.3.0	Rel-5	Handover and Cell Reselection procedures for GERAN Iu mode	approved	B	5.0.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010706	23.060	279	1	4.2.0	Rel-4	Various editorial corrections	approved	F	4.3.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010706	23.060	280		3.9.0	R99	Various editorial corrections	approved	F	3.10.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010706	23.060	281	2	4.3.0	Rel-5	PDP context handling at Inter SGSN RA Update	approved	B	5.0.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010706	23.060	284		3.9.0	R99	Re-initialisation of the CAMEL GPRS dialogue after a relocation cancel	approved	F	3.10.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010706	23.060	285		4.2.0	Rel-4	Re-initialisation of the CAMEL GPRS dialogue after a relocation cancel	approved	A	4.3.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010706	23.060	294	1	4.3.0	Rel-5	Changes on the Gb interface due to the Intra Domain Connection of RAN Nodes to Multiple CN Nodes	approved	B	5.0.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010706	23.060	295		3.9.0	R99	Correction of wrong references	approved	F	3.10.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010706	23.060	296		4.2.0	Rel-4	Correction of wrong references	approved	A	4.3.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010706	23.060	297	1	4.3.0	Rel-5	External Network Assisted Cell Change (NACC) in GERAN R5	approved	B	5.0.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-010709	23.107	070	1	3.6.0	R99	Clarification of the QoS mapping on the MS	rejected	F	3.7.0	Quality of Service (QoS) concept and architecture
SP-010709	23.107	071	2	4.1.0	Rel-4	Clarification of the QoS mapping on the MS	rejected	A	4.2.0	Quality of Service (QoS) concept and architecture
SP-010709	23.107	072	1	5.2.0	Rel-5	Clarification of the QoS mapping on the MS	rejected	A	5.3.0	Quality of Service (QoS) concept and architecture
SP-010709	23.107	073		3.6.0	R99	Deletion of QoS Requirement for Inter-SGSN RA Update	approved	F	3.7.0	Quality of Service (QoS) concept and architecture
SP-010709	23.107	074		4.1.0	Rel-4	Deletion of QoS Requirement for Inter-SGSN RA Update	approved	A	4.2.0	Quality of Service (QoS) concept and architecture
SP-010709	23.107	075		5.2.0	Rel-5	Deletion of QoS Requirement for Inter-SGSN RA Update	approved	A	5.3.0	Quality of Service (QoS) concept and architecture
SP-010709	23.107	079	2	3.6.0	R99	Clarification of Bearer Service Attributes Maximum and Guaranteed bitrate	approved	F	3.7.0	Quality of Service (QoS) concept and architecture
SP-010709	23.107	080	2	4.1.0	Rel-4	Clarification of Bearer Service attributes Maximum and Guaranteed Bitrate	approved	A	4.2.0	Quality of Service (QoS) concept and architecture
SP-010709	23.107	081	2	5.2.0	Rel-5	Clarification of Bearer Service attributes Maximum and Guaranteed Bitrate	approved	A	5.3.0	Quality of Service (QoS) concept and architecture

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SP-010710	23.127	027	1	4.2.0	Rel-5	TS23.127v5.0.0 "Virtual Home Environment/Open Service Access (Release 5)	approved	B	5.0.0	Virtual Home Environment (VHE); Stage 2
SP-010707	23.171	020		3.5.0	R99	Wrong node name in privacy check procedures	approved	F	3.6.0	Functional stage 2 description of location services in UMTS
SP-010707	23.171	021		3.5.0	R99	Exception procedures in the VMSC	approved	F	3.6.0	Functional stage 2 description of location services in UMTS
SP-010711	23.207	001	3	5.1.0	Rel-5	PDP Context Used for Application Level Signalling	approved	B	5.2.0	End to end quality of service concept and architecture
SP-010711	23.207	006	2	5.1.0	Rel-5	P-CSCF notification of PDP context modification	approved	C	5.2.0	End to end quality of service concept and architecture
SP-010711	23.207	008	3	5.1.0	Rel-5	QoS Scenarios Considerations	approved	F	5.2.0	End to end quality of service concept and architecture
SP-010711	23.207	009	1	5.1.0	Rel-5	Session Flow: QoS Interaction Procedures	approved	B	5.2.0	End to end quality of service concept and architecture
SP-010711	23.207	010		5.1.0	Rel-5	COPS Usage for Go Interface	approved	B	5.2.0	End to end quality of service concept and architecture
SP-010711	23.207	012		5.1.0	Rel-5	Mapping IP flow based policy information into PDP context based policy information in the GGSN	approved	F	5.2.0	End to end quality of service concept and architecture
SP-010711	23.207	013	1	5.1.0	Rel-5	New event for P-CSCF notification of PDP context modification	approved	C	5.2.0	End to end quality of service concept and architecture
SP-010712	23.221	002	6	5.2.0	Rel-5	Routing of MT call from PSTN to CS or IMS	approved	C	5.3.0	Architectural requirements
SP-010712	23.221	014	1	5.2.0	Rel-5	Use of the terms Iu mode and A/Gb mode	approved	F	5.3.0	Architectural requirements
SP-010712	23.221	015	2	5.2.0	Rel-5	Editorial corrections	approved	D	5.3.0	Architectural requirements
SP-010712	23.221	017		5.2.0	Rel-5	Removal of Editor's notes	approved	D	5.3.0	Architectural requirements
SP-010712	23.221	020		5.2.0	Rel-5	GGSN & P-CSCF in the HPLMN	approved	F	5.3.0	Architectural requirements
SP-010712	23.221	021	1	5.2.0	Rel-5	Routing Calls from the IMS to the CS domain	approved	F	5.3.0	Architectural requirements
SP-010712	23.221	025	1	5.2.0	Rel-5	IPv6 requirements for 3GPP UE(s)	approved	F	5.3.0	Architectural requirements
SP-010713	23.226	001		5.0.0	Rel-5	Correction of SIP reference	approved	F	5.1.0	Global text telephony; Stage 2: Architecture
SP-010714	23.228	012	2	5.2.0	Rel-5	Requirement to indicate to UE what to do on alerting	approved	C	5.3.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010714	23.228	044	2	5.2.0	Rel-5	Miscellanous BGCF impacts to 23.228	approved	F	5.3.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010714	23.228	048	2	5.2.0	Rel-5	PDP Context Used for IM Subsystem Related Signalling	approved	B	5.3.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010714	23.228	051	1	5.2.0	Rel-5	Generation of CDRs at BGCF	approved	C	5.3.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010714	23.228	052		5.2.0	Rel-5	BGCF to MGCF interface	approved	C	5.3.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010714	23.228	053	1	5.2.0	Rel-5	THIG usage in 23.228	approved	C	5.3.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010714	23.228	053	2	5.2.0	Rel-5	Routing IMS voice calls to CS domain	approved	B	5.3.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010714	23.228	060	2	5.2.0	Rel-5	Removal of T-SGW in 23.228	approved	F	5.3.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010714	23.228	068	2	5.2.0	Rel-5	Requirements for Emergency Sessions	withdrawn	B	5.3.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010714	23.228	070		5.2.0	Rel-5	Registration and Re-registration flow, editorial correction	approved	D	5.3.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010714	23.228	071		5.2.0	Rel-5	Clarification to Emergency sessions	withdrawn	F	5.3.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010714	23.228	075	1	5.2.0	Rel-5	Subscriber profile updating	approved	C	5.3.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010714	23.228	082	2	5.2.0	Rel-5	Sh Interface for CAMEL	approved	B	5.3.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010714	23.228	084		5.2.0	Rel-5	Revisiting ISC requirements	approved	F	5.3.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010714	23.228	085	2	5.2.0	Rel-5	P-CSCF in same network as GGSN	approved	C	5.3.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010714	23.228	086	1	5.2.0	Rel-5	Network Determination of Local Services in IM Subsystem	approved	C	5.3.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010714	23.228	088		5.2.0	Rel-5	Emergency sessions	withdrawn	C	5.3.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010714	23.228	089	1	5.2.0	Rel-5	Local service for IMS	approved	F	5.3.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010714	23.228	089	2	5.2.0	Rel-5	Local services for IMS	approved	B	5.3.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010714	23.228	090	2	5.2.0	Rel-5	PDP context & IMS procedure clarification	approved	F	5.3.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010714	23.228	091	1	5.2.0	Rel-5	Mobility related concept clean up	approved	F	5.3.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010714	23.228	092	1	5.2.0	Rel-5	Relation of IMS user identities and the Service Profiles	approved	C	5.3.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010714	23.228	096		5.2.0	Rel-5	P-CSCF network identifier	approved	F	5.3.0	IP Multimedia Subsystem (IMS); Stage 2

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SP-010714	23.228	098	1	5.2.0	Rel-5	Service control managed MRFC session legs	approved	B	5.3.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010714	23.228	100	2	5.2.0	Rel-5	Alignment of 23.060 and 23.228 for the handling of the PDP contexts in case of Iu release or RAB release	approved	F	5.3.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010714	23.228	101		5.2.0	Rel-5	Event and information distribution within IMS	approved	C	5.3.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010714	23.228	102		5.2.0	Rel-5	Session unrelated procedures	approved	B	5.3.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010714	23.228	103		5.2.0	Rel-5	Correction for acronym "CDR"	approved	D	5.3.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010714	23.228	104		5.2.0	Rel-5	Clarification of address resolution for IMS	approved	F	5.3.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010714	23.228	105		5.2.0	Rel-5	Codec knowledge in IMS, draft CR to 23.228	approved	C	5.3.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010714	23.228	106		5.2.0	Rel-5	Unknown subscriber handling in IMS	approved	B	5.3.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010714	23.228	107	1	5.2.0	Rel-5	Correction of 23.228 with regard to security procedures defined in 33.210	approved	F	5.3.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010714	23.228	108	2	5.2.0	Rel-5	UE informed of the reason for de-registration	approved	C	5.3.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010714	23.228	109	2	5.2.0	Rel-5	Clean up of the emergency service sections in 23.228	approved	F	5.3.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010714	23.228	117	1	5.2.0	Rel-5	Corrections to network initiated session release procedures	approved	F	5.3.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010714	23.228	118	2	5.2.0	Rel-5	THIG for the BGCF	approved	C	5.3.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010714	23.228	119		5.2.0	Rel-5	Network Configuration Independence	approved	C	5.3.0	IP Multimedia Subsystem (IMS); Stage 2
SP-010715	23.236	001	1	5.0.0	Rel-5	Clarifications of Section 4.5 and 4.7	approved	F	5.1.0	Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes
SP-010715	23.236	003	1	5.0.0	Rel-5	Corrections and Clarifications on Technical Requirements	approved	F	5.1.0	Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes
SP-010715	23.236	004	1	5.0.0	Rel-5	Clarification on chapter 4.2 "Overview"	approved	F	5.1.0	Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes
SP-010715	23.236	005	1	5.0.0	Rel-5	Clarification on chapter 4.3 "Pool area and Network Resource Identification"	approved	F	5.1.0	Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes
SP-010715	23.236	006	1	5.0.0	Rel-5	Clarification on chapter 4.4 "NAS node selection function"	approved	F	5.1.0	Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes
SP-010715	23.236	007	1	5.0.0	Rel-5	Clarification on RNC functions	approved	F	5.1.0	Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes
SP-010715	23.236	008	2	5.0.0	Rel-5	Clarification on MSC functions	approved	F	5.1.0	Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes
SP-010715	23.236	009	2	5.0.0	Rel-5	Clarification on SGSN functions	approved	F	5.1.0	Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes
SP-010715	23.236	010	1	5.0.0	Rel-5	IMSI paging	approved	F	5.1.0	Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes
SP-010707	23.271	036		~~5.0.0~~4.3.0	Rel-4	Clarification on the interworking issue with Pre-REL4 LCS PS Domain	approved	F	~~5.1.0~~4.4.0	Functional stage 2 description of location services
SP-010707	23.271	038	1	5.0.0	Rel-5	LCS Capability Handling for GPRS MS's	approved	B	5.1.0	Functional stage 2 description of location services
SP-010707	23.271	041		~~5.0.0~~4.3.0	Rel-4	Removal of PDP address from HLR/HSS in the MT-LR procedure	approved	F	~~5.1.0~~4.4.0	Functional stage 2 description of location services
SP-010707	23.271	042	1	5.0.0	Rel-5	Removal of PDP address from HLR/HSS in the MT-LR procedure	approved	F	5.1.0	Functional stage 2 description of location services
SP-010707	23.271	043		~~5.0.0~~4.3.0	Rel-4	Response to LCS client in case of deferred MT-LR	approved	F	~~5.1.0~~4.4.0	Functional stage 2 description of location services
SP-010707	23.271	044		5.0.0	Rel-5	Response to LCS client in case of deferred MT-LR	approved	A	5.1.0	Functional stage 2 description of location services
SP-010707	23.271	049	1	5.0.0	Rel-5	SGSN Exception procedures	approved	F	5.1.0	Functional stage 2 description of location services

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-010707	23.271	050		~~5.0.0~~4.3.0	Rel-4	Correction of refererred signaling step in MO-Location Request	approved	F	~~5.1.0~~4.4.0	Functional stage 2 description of location services
SP-010707	23.271	051	1	5.0.0	Rel-5	Correction of referred signaling step in MO-Location Request	approved	A	5.1.0	Functional stage 2 description of location services
SP-010707	23.271	055		5.0.0	Rel-5	Editorial correction to front page	approved	D	5.1.0	Functional stage 2 description of location services
SP-010716	23.875	001		5.0.0	Rel-5	Removing an expected completion date in the conclusion part	approved	F	5.1.0	Support of Push service

E.3 CRs from SA WG3

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-010607	21.133	002		3.1.0	R99	Definition of UICC	approved	F	3.2.0	3G security; Security threats and requirements
SP-010607	21.133	003		4.0.0	Rel-4	Definition of UICC	approved	A	4.1.0	3G security; Security threats and requirements
SP-010608	33.102	156		3.9.0	R99	Annex F.2 (changing list parameters) modification	approved	F	3.10.0	3G security; Security architecture
SP-010608	33.102	157		4.2.0	Rel-4	Annex F.2 (changing list parameters) modification	approved	A	4.3.0	3G security; Security architecture
SP-010609	33.102	158		3.9.0	R99	Sequence Number Management Corrections	approved	F	3.10.0	3G security; Security architecture
SP-010609	33.102	159		4.2.0	Rel-4	Sequence Number Management Corrections	approved	A	4.3.0	3G security; Security architecture
SP-010610	33.102	160		3.9.0	R99	SQNMS retrieval in AuC during resynchronisation.	approved	F	3.10.0	3G security; Security architecture
SP-010610	33.102	161		4.2.0	Rel-4	SQNMS retrieval in AuC during resynchronisation.	approved	A	4.3.0	3G security; Security architecture
SP-010611	33.102	162		4.2.0	Rel-5	Configurability of cipher use	revised	A	5.0.0	3G security; Security architecture
SP-010760	33.102	162	1	4.2.0	Rel-5	Configurability of cipher use	rejected	A	5.0.0	3G security; Security architecture
SP-010612	33.107	009		4.1.0	Rel-4	Start of secondary interception of an active PDP context	approved	F	4.2.0	3G security; Lawful interception architecture and functions
SP-010612	33.107	010		5.0.0	Rel-5	Start of secondary interception of an active PDP context	approved	A	5.1.0	3G security; Lawful interception architecture and functions
SP-010613	33.107	011		5.0.0	Rel-5	Alignment of TS 33.107 for Release 5 Network Architecture	approved	C	5.1.0	3G security; Lawful interception architecture and functions
SP-010614	33.107	012		3.3.0	R99	Correct the MO-SMS and MT-SMS events	approved	F	3.4.0	3G security; Lawful interception architecture and functions
SP-010614	33.107	013		4.1.0	Rel-4	Correct the MO-SMS and MT-SMS events	approved	A	4.2.0	3G security; Lawful interception architecture and functions
SP-010614	33.107	014		5.0.0	Rel-5	Correct the MO-SMS and MT-SMS events	approved	A	5.1.0	3G security; Lawful interception architecture and functions
SP-010615	33.107	015		4.1.0	Rel-4	Source of PDP context initiation	approved	F	4.2.0	3G security; Lawful interception architecture and functions
SP-010615	33.107	016		5.0.0	Rel-5	Source of PDP context initiation	approved	A	5.1.0	3G security; Lawful interception architecture and functions
SP-010616	33.200	012		4.1.0	Rel-4	MEA encryption algorithm update	approved	F	4.2.0	Network Domain Security - MAP
SP-010728	33.200	013		4.1.0	Rel-4	Use of 'Original component identifier' during MAPsec processing	approved	F	4.2.0	Network Domain Security - MAP
SP-010617	33.200	013		4.1.0	Rel-4	Use of 'Original component identifier' during MAPsec processing	withdrawn	F	4.2.0	Network Domain Security - MAP
SP-010727	33.200	014		4.1.0	Rel-4	Protection Profiles correction	approved	F	4.2.0	Network Domain Security - MAP

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-010617	33.200	014		4.1.0	Rel-4	Protection Profiles correction	withdrawn	F	4.2.0	Network Domain Security - MAP
SP-010729	33.200	015		4.1.0	Rel-4	Policy configuration clarification	approved	F	4.2.0	Network Domain Security - MAP
SP-010617	33.200	015		4.1.0	Rel-4	Policy configuration clarification	withdrawn	F	4.2.0	Network Domain Security - MAP
SP-010618	33.200	016		4.1.0	Rel-4	The Soft Expiry Time for the MAPsec SA	approved	F	4.2.0	Network Domain Security - MAP
SP-010619	33.200	017		4.1.0	Rel-4	Removing the Sending PLMN-Id from Security Header	approved	F	4.2.0	Network Domain Security - MAP
SP-010727	33.200	018		4.1.0	Rel-4	Protection Profile Revision Identifier	approved	F	4.2.0	Network Domain Security - MAP
SP-010617	33.200	018		4.1.0	Rel-4	Protection Profile Revision Identifier	withdrawn	F	4.2.0	Network Domain Security - MAP
SP-010618	33.200	019		4.1.0	Rel-4	Completing the specification of a MAPsec SA	approved	F	4.2.0	Network Domain Security - MAP
SP-010620	35.201	001		3.1.2	R99	Correct the maximum input message length for f8 and f9	approved	F	3.2.0	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications
SP-010620	35.201	002		4.0.0	Rel-4	Correct the maximum input message length for f8 and f9	approved	A	4.1.0	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications

E.4 CRs from SA WG4

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-010696	06.73	A028		7.5.0	R98	Correction of RX-DTX handling of NO_DATA frames in AMR decoder	approved	F	7.6.0	Adaptive Multi Rate (AMR) speech; ANSI-C code for the AMR speech codec
SP-010697	06.73	A029		7.5.0	R98	Correction in AMR decoder to avoid division by zero in RX-DTX handling	approved	F	7.6.0	Adaptive Multi Rate (AMR) speech; ANSI-C code for the AMR speech codec
SP-010696	26.073	013		3.2.0	R99	Correction of RX-DTX handling of NO_DATA frames in AMR decoder	approved	A	3.3.0	AMR speech Codec; C-source code
SP-010696	26.073	014		4.0.0	Rel-4	Correction of RX-DTX handling of NO_DATA frames in AMR decoder	approved	A	4.1.0	AMR speech Codec; C-source code
SP-010697	26.073	015		3.2.0	R99	Correction in AMR decoder to avoid division by zero in RX-DTX handling	approved	A	3.3.0	AMR speech Codec; C-source code
SP-010697	26.073	016		4.0.0	Rel-4	Correction in AMR decoder to avoid division by zero in RX-DTX handling	approved	A	4.1.0	AMR speech Codec; C-source code
SP-010698	26.103	010		4.1.0	Rel-4	Removal of AMR-WB codec type	approved	F	4.2.0	Codec lists
SP-010698	26.103	011		3.0.0	R99	Inclusion of codec type UMTS AMR_2 in R99 codec list	approved	F	3.1.0	Codec lists
SP-010699	26.173	009		5.2.0	Rel-5	Incorrect mode usage during DTX	approved	F	5.3.0	ANSI-C code for the Adaptive Multi Rate (AMR) Wideband speech codec
SP-010699	26.173	010		5.2.0	Rel-5	Correction of homing function for 23.85 kbit/s mode	approved	F	5.3.0	ANSI-C code for the Adaptive Multi Rate (AMR) Wideband speech codec
SP-010700	26.174	002		5.1.1	Rel-5	Update of AMR-WB test sequences	approved	F	5.2.0	AMR speech codec, wideband; Test sequences
SP-010701	26.190	001		5.0.0	Rel-5	Inconsistency between TS 26.190 and TS 26.173	approved	F	5.1.0	Mandatory Speech Codec speech processing functions AMR Wideband speech codec; Transcoding functions
SP-010702	26.233	001	1	4.0.0	Rel-4	Correction of RTSP TEARDOWN protocol flow in Figure 1	approved	F	4.1.0	End-to-end transparent streaming service; General description
SP-010703	26.234	007		4.1.0	Rel-4	Correction of SDP Usage	approved	F	4.2.0	End-to-end transparent streaming service; Protocols and codecs
SP-010703	26.234	008	1	4.1.0	Rel-4	Implementation guidelines for RTSP and RTP	approved	F	4.2.0	End-to-end transparent streaming service; Protocols and codecs

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-010703	26.234	009		4.1.0	Rel-4	Correction to media type decoder support in the PSS client	approved	F	4.2.0	End-to-end transparent streaming service; Protocols and codecs
SP-010703	26.234	010		4.1.0	Rel-4	Amendments to file format support for 26.234 release 4	approved	F	4.2.0	End-to-end transparent streaming service; Protocols and codecs
SP-010704	28.062	002		4.1.1	Rel-4	Corrections	approved	F	4.2.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3
SP-010704	28.062	003		4.1.1	Rel-4	Corrections	approved	F	4.2.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3

E.5 CRs from SA WG5

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-010633	32.015	032		3.7.0	R99	Specification of the "Data Record Format" and "Data Record Format Version"	approved	F	3.8.0	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain
SP-010632	32.015	033		3.7.0	R99	Precision of encoding rule for CDR item "Access Point Name"	approved	F	3.8.0	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain
SP-010633	32.015	034		3.7.0	R99	Correction of ASN.1 data items QoSMeanThroughtput/QosInformation	approved	F	3.8.0	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain
SP-010638	32.104	010		3.4.0	R99	Correction of declaration in XML header	approved	F	3.5.0	3G Performance Management
SP-010635	32.106-4	001		3.1.0	R99	Correction of undefined and conflicting ASN.1 definitions	approved	F	3.2.0	Telecommunication Management; Configuration Management; Part 4: Notification Integration Reference Point: CMIP Solution Set Version 1:1
SP-010636	32.106-7	004		3.2.0	R99	Correction of improper module name in GDMO definition	approved	F	3.3.0	Telecommunication Management; Configuration Management; Part 7: Basic Configuration Management IRP CMIP solution set version 1:1
SP-010639	32.111-2	010		4.1.0	Rel-4	Correction of notifyChangedAlarm example #2	approved	F	4.2.0	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service
SP-010639	32.111-2	011		4.1.0	Rel-4	Update of notificationId missing in To-state of notifyClearedAlarm	approved	F	4.2.0	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service
SP-010637	32.111-3	013		3.5.0	R99	Removal of Rel-4-specific functionality mistakenly introduced in R99	approved	F	3.6.0	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1
SP-010635	32.111-4	002		3.1.1	R99	Correction of undefined and conflicting ASN.1 definitions	approved	F	3.2.0	Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set
SP-010640	32.111-4	003		4.0.0	Rel-4	Change of qualifier for setComment and notifyComment	approved	F	4.1.0	Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-010640	32.111-4	004		4.0.0	Rel-4	Addition of missing parameter in notifyComments	approved	F	4.1.0	Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set
SP-010633	32.215	001		4.0.0	Rel-4	Specification of the "Data Record Format" and "Data Record Format Version"	approved	A	4.1.0	Telecom Management; Charging management; Charging data description for the Packet Switched (PS) domain
SP-010633	32.215	002		4.0.0	Rel-4	Correction of ASN.1 data item QosInformation	approved	F	4.1.0	Telecom Management; Charging management; Charging data description for the Packet Switched (PS) domain
SP-010634	32.215	003		4.0.0	Rel-4	Correction of ASN.1 statements for backwards compatibility reason	approved	F	4.1.0	Telecom Management; Charging management; Charging data description for the Packet Switched (PS) domain
SP-010641	32.300	001		4.0.0	Rel-4	Alignement of Figure C.1 with text in Annex C	approved	F	4.1.0	Telecommunication Management; 3G configuration management; Name convention for Managed Objects
SP-010642	32.302	001		4.0.0	Rel-4	Remove ambiguity of the return information for getNotificationCategories() operation	approved	F	4.1.0	Telecommunication Management; Configuration Management; Notification Integration Reference Point; Information Service version 1
SP-010653	32.302	002		4.1.0	Rel-5	Change from Mandatory to Conditional the qualifier of the output parameter 'NotificationCategorySet' of the operation 'getSubscriptionStatus'	approved	C	5.0.0	Telecommunication Management; Configuration Management; Notification Integration Reference Point; Information Service version 1
SP-010653	32.304	004		4.1.0	Rel-5	Maximise the reuse of ITU-T CMIP event report management functions	approved	C	5.0.0	Telecommunication Management; Configuration Management; Notification Integration Reference Point: CMIP Solution Set Version 1:1
SP-010638	32.401	001		4.0.0	Rel-4	Correction of declaration in XML header	approved	A	4.1.0	Telecommunication management; Performance Management (PM); Concept and requirements
SP-010643	32.604	003		4.1.0	Rel-4	Alignment with ITU-T Rec. X.710 (CMISE) 1997	approved	F	4.2.0	Telecommunication Management; Configuration Management; Basic configuration management IRP CMIP solution set
SP-010644	32.613	001		4.0.0	Rel-4	Correction of a notification name and Addition of missing table for fallback operation	approved	F	4.1.0	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: CORBA solution set
SP-010644	32.613	002		4.0.0	Rel-4	Corrections to the exceptions in the Bulk CM IRP CORBA Solution Set	approved	F	4.1.0	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: CORBA solution set
SP-010645	32.615	001		4.0.0	Rel-4	Addition of MCC and MNC attributes to GSM cell related MOCs in Bulk CM XML file format	approved	F	4.1.0	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: XML file format definition
SP-010646	32.623	002		4.1.0	Rel-4	Change type "integer" to "long" in the Generic Network Resources IRP: CORBA SS	approved	F	4.2.0	Telecommunication Management; Configuration Management; Generic network resources IRP: CORBA solution set
SP-010647	32.623	003		4.1.0	Rel-4	Correction of Generic NRM CORBA Solution Set IDL definitions	approved	F	4.2.0	Telecommunication Management; Configuration Management; Generic network resources IRP: CORBA solution set
SP-010648	32.624	003		4.1.0	Rel-4	Change to Read/Write the attribute "userDefinedState" in MOC "ManagementNode"	approved	F	4.2.0	Telecommunication Management; Configuration Management; Generic network resources: IRP CMIP solution set

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-010649	32.632	001		4.0.0	Rel-4	Removal of MOC FnrFunction from the diagrams	approved	F	4.1.0	Telecommunication Management; Configuration Management; Core Network Resources IRP: NRM
SP-010646	32.643	001		4.0.0	Rel-4	Change type "integer" to "long" in the UTRAN Network Resources IRP: CORBA SS	approved	F	4.1.0	Telecommunication Management; Configuration Management; UTRAN network resources IRP: CORBA solution set
SP-010650	32.652	002		4.1.0	Rel-4	Correction of references	approved	F	4.2.0	Telecommunication Management; Configuration Management; GERAN network resources IRP: NRM
SP-010646	32.653	001		4.0.0	Rel-4	Change type "integer" to "long" in the GERAN Network Resources IRP: CORBA SS	approved	F	4.1.0	Telecommunication Management; Configuration Management; GERAN network resources IRP: CORBA solution set
SP-010651	32.653	002		4.0.0	Rel-4	Addition of MCC and MNC in the object model	approved	F	4.1.0	Telecommunication Management; Configuration Management; GERAN network resources IRP: CORBA solution set

Annex F: Status of all 3GPP CRs after TSG SA #143 Meeting

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
NP-010580	03.78	A165		7.6.1	R98	Re-insertion of missing CLI box into CAMEL Release 1998	approved	F	7.7.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 2; Stage 2	N2
NP-010581	03.78	A166		6.9.1	R97	Correction to implementation of CR 03.78-A141r1	approved	F	6.10.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 2; Stage 2	N2
NP-010581	03.78	A167	1	6.9.1	R97	Guidance to the SCI operation if the subscriber or the VPLMN do not support AoC service	approved	F	6.10.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 2; Stage 2	N2
NP-010581	03.78	A168		7.6.1	R98	Correction to implementation of CR 03.78-A141r1	approved	A	7.7.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 2; Stage 2	N2
NP-010581	03.78	A169		7.6.1	R98	Guidance to the SCI operation if the subscriber or the VPLMN do not support AoC service	approved	A	7.7.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 2; Stage 2	N2
NP-010647	04.08	A1117		6.16.0	R97	Handling of new/old TLLI in the network	APPROVED	F	6.17.0	Mobile radio interface layer 3 specification	N1
NP-010647	04.08	A1119		7.15.0	R98	Handling of new/old TLLI in the network	APPROVED	A	7.16.0	Mobile radio interface layer 3 specification	N1
NP-010616	04.10	A010		7.0.1	R98	Usage of SS Version Indicator	approved	F	7.1.0	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	N4
NP-010613	04.30	A003		7.2.0	R98	Specify usage of SS Version Indicator	approved	F	7.3.0	Location Services (LCS); Supplementary service operations; Stage 3	N4
NP-010648	04.64	A154	1	6.9.0	R97	IOV reset Conditions	APPROVED	F	6.10.0	General Packet Radio Service (GPRS); Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) layer specification	N1
NP-010648	04.64	A155		7.4.0	R98	IOV reset Conditions	APPROVED	A	7.5.0	General Packet Radio Service (GPRS); Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) layer specification	N1
NP-010648	04.64	A156		8.6.0	R99	IOV reset Conditions	APPROVED	A	8.7.0	General Packet Radio Service (GPRS); Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) layer specification	N1
NP-010613	09.02	A320		7.9.0	R98	Clarification on LCS parameters in MAP	approved	F	7.10.0	Mobile Application Part (MAP) Specification	N4
NP-010646	09.18	A046		6.6.0	R97	Clarification of the periodic routing area update procedure	APPROVED	F	6.7.0	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	N1

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NP-010646	09.18	A047		7.4.0	R98	Clarification of the periodic routing area update procedure	APPROVED	Á	7.5.0	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	N1
NP-010646	09.18	A048	1	6.6.0	R97	Correction of the Reject cause when T6-1 expires	APPROVED	F	6.7.0	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	N1
NP-010646	09.18	A049		7.4.0	R98	Correction of the Reject cause when T6-1 expires	APPROVED	F	7.5.0	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	N1
NP-010572	09.61	A021	1	6.5.0	R97	Correction to Calling-station-id	approved	F	6.6.0	General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet Data Networks (PDN)	N3
NP-010572	09.61	A022	1	7.4.0	R98	Correction to Calling-station-id	approved	A	7.5.0	General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet Data Networks (PDN)	N3
NP-010572	09.61	A023	1	6.5.0	R97	Correction to 3GPP specific attribute: 3GPP-IMSI	approved	F	6.6.0	General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet Data Networks (PDN)	N3
NP-010572	09.61	A024	1	7.4.0	R98	Correction to 3GPP specific attribute: 3GPP-IMSI	approved	A	7.5.0	General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet Data Networks (PDN)	N3
NP-010572	09.61	A025		6.5.0	R97	Correction to 3GPP specific attributes containing MCC-MNC IMSI	approved	F	6.6.0	General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet Data Networks (PDN)	N3
NP-010572	09.61	A026		7.4.0	R98	Correction to 3GPP specific attributes containing MCC-MNC IMSI	approved	A	7.5.0	General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet Data Networks (PDN)	N3
NP-010672	09.61	A027		6.5.0	R97	Standard method for updating information between GPRS and external PDN using RADIUS	approved	F	6.6.0	General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet Data Networks (PDN)	N3
NP-010672	09.61	A028		7.4.0	R98	Standard method for updating information between GPRS and external PDN using RADIUS	approved	A	7.5.0	General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet Data Networks (PDN)	N3
NP-010672	09.61	A029		7.4.0	R98	Standard method for interworking between GPRS and external PDN using RADIUS	approved	A	7.5.0	General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet Data Networks (PDN)	N3

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NP-010672	09.61	A030		6.5.0	R97	Standard method for interworking between GPRS and external PDN using RADIUS	approved	F	6.6.0	General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet Data Networks (PDN)	N3
NP-010630	23.003	033		5.1.0	Rel-5	Rules for TMSI partitioning	approved	C	5.2.0	Numbering, Addressing and Identification	N4
NP-010620	23.003	034		4.2.0	Rel-4	Introduction of Global CN-ID definition	approved	F	4.3.0	Numbering, Addressing and Identification	N4
NP-010620	23.003	035		5.1.0	Rel-5	Introduction of Global CN-ID definition	approved	A	5.2.0	Numbering, Addressing and Identification	N4
NP-010659	23.009	052	3	4.2.0	Rel-5	Introduction of Intra Domain Connection of RAN	APPROVED	C	5.0.0	Handover procedures	N1
NP-010651	23.009	054		3.8.0	R99	Multicall bearer selection	APPROVED	F	3.9.0	Handover procedures	N1
NP-010651	23.009	055		4.2.0	Rel-4	Multicall bearer selection	APPROVED	A	4.3.0	Handover procedures	N1
NP-010682	23.009	056	2	3.8.0	R99	Usage of Location Reporting for Relocation and Inter-system Handover	APPROVED	F	3.9.0	Handover procedures	N1
NP-010649	23.009	056	2	3.8.0	R99	Usage of Location Reporting for Relocation and Inter-system Handover	REVISED TO NP-010682	F	3.9.0	Handover procedures	N1
NP-010682	23.009	057	2	4.2.0	Rel-4	Usage of Location Reporting for Relocation and Inter-system Handover	APPROVED	A	4.3.0	Handover procedures	N1
NP-010649	23.009	057	2	4.2.0	Rel-4	Usage of Location Reporting for Relocation and Inter-system Handover	REVISED TO NP-010682	A	4.3.0	Handover procedures	N1
NP-010682	23.009	059		3.8.0	R99	E-interface protocol during the supervision phase	APPROVED	F	3.9.0	Handover procedures	N1
NP-010649	23.009	059		3.8.0	R99	E-interface protocol during the supervision phase	REVISED TO NP-010682	F	3.9.0	Handover procedures	N1
NP-010682	23.009	060		4.2.0	Rel-4	E-interface protocol during the supervision phase	APPROVED	A	4.3.0	Handover procedures	N1
NP-010649	23.009	060		4.2.0	Rel-4	E-interface protocol during the supervision phase	REVISED TO NP-010682	A	4.3.0	Handover procedures	N1
NP-010661	23.009	061	4	4.2.0	Rel-5	Reflection of RRC changes in 44.018 to 23.009	APPROVED	B	5.0.0	Handover procedures	N1
NP-010683	23.009	062	1	3.8.0	R99	GSM to UMTS Handover: Iu-LOCATION-REPORTING message reception	REVISED TO NP-010691	F	3.9.0	Handover procedures	N1
NP-010649	23.009	062	1	3.8.0	R99	GSM to UMTS Handover: Iu-LOCATION-REPORTING message reception	REVISED TO NP-010683	F	3.9.0	Handover procedures	N1
NP-010691	23.009	062	2	3.8.0	R99	GSM to UMTS Handover: Iu-LOCATION-REPORTING message reception	APPROVED	F	3.9.0	Handover procedures	N1
NP-010649	23.009	063	1	4.2.0	Rel-4	GSM to UMTS Handover: Iu-LOCATION-REPORTING message reception	REVISED TO NP-010683	A	4.3.0	Handover procedures	N1
NP-010683	23.009	063	2	4.2.0	Rel-4	GSM to UMTS Handover: Iu-LOCATION-REPORTING message reception	REVISED TO NP-010691	A	4.3.0	Handover procedures	N1
NP-010691	23.009	063	3	4.2.0	Rel-4	GSM to UMTS Handover: Iu-LOCATION-REPORTING message reception	APPROVED	A	4.3.0	Handover procedures	N1
NP-010616	23.018	078		3.9.0	R99	Missing connector in procedure Process_Call_Waiting_MSC	approved	F	3.10.0	Basic Call Handling; Technical realization	N4
NP-010609	23.018	079		3.9.0	R99	Handling of Reconnect on leg2 disconnect	approved	F	3.10.0	Basic Call Handling; Technical realization	N4
NP-010609	23.018	080		4.4.0	Rel-4	Handling of Reconnect on leg2 disconnect	approved	A	4.5.0	Basic Call Handling; Technical realization	N4
NP-010609	23.018	081		5.1.0	Rel-5	Handling of Reconnect on leg2 disconnect	approved	A	5.2.0	Basic Call Handling; Technical realization	N4
NP-010609	23.018	089	2	3.9.0	R99	Corrections in the ATI mechanism description	approved	F	3.10.0	Basic Call Handling; Technical realization	N4
NP-010609	23.018	090	2	4.4.0	Rel-4	Corrections in the ATI mechanism description	approved	A	4.5.0	Basic Call Handling; Technical realization	N4
NP-010609	23.018	091	2	5.1.0	Rel-5	Corrections in the ATI mechanism description	approved	A	5.2.0	Basic Call Handling; Technical realization	N4

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NP-010583	23.078	322	1	3.10.0	R99	Handling of Reconnect on the MSC-VLR Interface	approved	F	3.11.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010583	23.078	323	1	4.2.0	Rel-4	Handling of Reconnect on the MSC-VLR Interface	approved	A	4.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010583	23.078	324	1	3.10.0	R99	Indication of deletion of CSI in Notify Subscriber Data Change	approved	F	3.11.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010583	23.078	325	1	4.2.0	Rel-4	Indication of deletion of CSI in Notify Subscriber Data Change	approved	A	4.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010583	23.078	328	1	3.10.0	R99	Clarification of the CUG data used in IDP	approved	F	3.11.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010583	23.078	329	1	4.2.0	Rel-4	Clarification of the CUG data used in IDP	approved	A	4.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010583	23.078	331	1	3.10.0	R99	TDP3 triggering criterion in MO case	approved	F	3.11.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010583	23.078	332	1	4.2.0	Rel-4	TDP3 triggering criterion in MO case	approved	A	4.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010583	23.078	333	2	3.10.0	R99	Guidance to the SCI operation if the subscriber or the VPLMN do not support AoC service	approved	F	3.11.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010582	23.078	334		3.10.0	R99	Inclusion of D-CSI in arming/disarming mechanism	approved	F	3.11.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010582	23.078	335	2	3.10.0	R99	Clarification on ATM	approved	F	3.11.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010582	23.078	336	1	3.10.0	R99	Clarification on NSCD when data is withdrawn	approved	F	3.11.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010582	23.078	337		4.2.0	Rel-4	Inclusion of D-CSI in arming/disarming mechanism	approved	A	4.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010582	23.078	338		3.10.0	R99	Correction of SDL to text extention	approved	F	3.11.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010582	23.078	339		4.2.0	Rel-4	Correction of SDL to text extention	approved	A	4.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010582	23.078	340	2	3.10.0	R99	Introduction of SMS Reference Number	approved	F	3.11.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2

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NP-010583	23.078	341		4.2.0	Rel-4	Guidance to the SCI operation if the subscriber or the VPLMN do not support AoC service	approved	A	4.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010582	23.078	342		4.2.0	Rel-4	Clarification on NSCD when data is withdrawn	approved	A	4.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010582	23.078	343		4.2.0	Rel-4	Clarification on ATM	approved	A	4.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010582	23.078	344		4.2.0	Rel-4	Introduction of SMS Reference Number	approved	A	4.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010587	23.078	345		3.10.0	R99	Correction to Procedure "Handle_AC" (missing check box exit)	approved	F	3.11.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010587	23.078	346	1	3.10.0	R99	Corrections in the Call Information Report/Request operation	approved	F	3.11.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010587	23.078	347		3.10.0	R99	Tccd shall be stopped in procedure Handle_ACR	approved	F	3.11.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010587	23.078	348		3.10.0	R99	Correction to ECT Treatment Indicator description	approved	F	3.11.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010587	23.078	351		3.10.0	R99	Reporting QoS changes shall not be restricted to "User initiated" QoS changes	approved	F	3.11.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010588	23.078	352	1	3.10.0	R99	Guidance to the usage of SCI-GPRS in the case of no support of AoC	approved	F	3.11.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010588	23.078	355	1	3.10.0	R99	Clarification on Connect and ContinueWithArgument about the SII2	approved	F	3.11.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010588	23.078	359	1	3.10.0	R99	Clarification on ATM about simultaneous SS modifications	approved	F	3.11.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010588	23.078	362		4.2.0	Rel-4	Clarification on ATM about simultaneous SS modifications	approved	A	4.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010588	23.078	363	4	3.10.0	R99	Clarification: use of SS-Code in ATM, ATSI and NSDC	approved	F	3.11.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010587	23.078	364		4.2.0	Rel-4	Reporting QoS changes shall not be restricted to "User initiated" QoS changes	approved	A	4.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010587	23.078	365		4.2.0	Rel-4	Correction to Procedure "Handle_AC" (missing check box exit)	approved	A	4.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2

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NP-010587	23.078	366		4.2.0	Rel-4	Corrections in the Call Information Report/Request operation	approved	A	4.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010587	23.078	367		4.2.0	Rel-4	Tccd shall be stopped in procedure Handle_ACR	approved	A	4.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010587	23.078	368		4.2.0	Rel-4	Correction to ECT Treatment Indicator description	approved	A	4.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010588	23.078	369		4.2.0	Rel-4	Guidance to the usage of SCI-GPRS in the case of no support of AoC	approved	A	4.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010588	23.078	370		4.2.0	Rel-4	Clarification on Connect and ContinueWithArgument about the SII2	approved	A	4.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010588	23.078	371		4.2.0	Rel-4	Clarification: use of SS-Code in ATM, ATSI and NSDC	approved	A	4.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-010623	23.083	008		4.2.0	Rel-4	Missing connector in procedure Process_Call_Waiting_MSC	approved	F	4.3.0	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	N4
NP-010617	23.116	003	1	3.1.0	R99	Clarification of methodology for maintaining data consistency in Supercharger	approved	F	3.2.0	Super-Charger technical realization; Stage 2	N4
NP-010617	23.116	004	1	4.1.0	Rel-4	Clarification of methodology for maintaining data consistency in Supercharger	approved	A	4.2.0	Super-Charger technical realization; Stage 2	N4
NP-010620	23.153	028		4.3.0	Rel-4	Removal of "No Data" SDUs	approved	F	4.4.0	Out of Band Transcoder Control; Stage 2	N4
NP-010620	23.153	029		4.3.0	Rel-4	Clarification for Codec Modification in case of SS/IN interworking	approved	F	4.4.0	Out of Band Transcoder Control; Stage 2	N4
NP-010631	23.205	011		4.2.0	Rel-5	Introduction of MGW Congestion Handling	approved	B	5.0.0	Bearer-independent circuit-switched core network; Stage 2	N4
NP-010619	23.205	012		4.2.0	Rel-4	Correction of Handover/Relocation for Speech and Non-Speech Calls	approved	F	4.3.0	Bearer-independent circuit-switched core network; Stage 2	N4
NP-010631	23.205	013	1	4.2.0	Rel-5	Management locking of MG	approved	B	5.0.0	Bearer-independent circuit-switched core network; Stage 2	N4
NP-010619	23.205	014	2	4.2.0	Rel-4	New timer to support long paging in bearer independent network	approved	F	4.3.0	Bearer-independent circuit-switched core network; Stage 2	N4
NP-010619	23.205	016	1	4.2.0	Rel-4	Correction for Release of Network Bearer	approved	F	4.3.0	Bearer-independent circuit-switched core network; Stage 2	N4
NP-010574	23.910	031		4.3.0	Rel-4	SDU size for transparent data at 33.6 kbit/s	approved	F	4.4.0	Circuit switched data bearer services	N3
NP-010604	23.910	032	2	4.3.0	Rel-5	Terminology clarifications as requested by TSG GERAN	approved	D	4.4.0	Circuit switched data bearer services	N3
NP-010617	23.912	001	1	3.0.2	R99	Clarification of methodology for maintaining data consistency in Supercharger	approved	F	3.1.0	Technical report on Super-Charger	N4
NP-010617	23.912	002	1	4.0.0	Rel-4	Clarification of methodology for maintaining data consistency in Supercharger	approved	A	4.1.0	Technical report on Super-Charger	N4
NP-010617	23.912	003		3.0.2	R99	Update Location in Supercharger following receipt of Reset message from HLR	approved	F	3.1.0	Technical report on Super-Charger	N4
NP-010617	23.912	004		4.0.0	Rel-4	Update Location in Supercharger following receipt of Reset message from HLR	approved	A	4.1.0	Technical report on Super-Charger	N4

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NP-010682	24.007	042	1	3.7.0	R99	Clarification of the send sequence number mechanism	APPROVED	F	3.8.0	Mobile radio interface signalling layer 3; General Aspects	N1
NP-010649	24.007	042	1	3.7.0	R99	Clarification of the send sequence number mechanism	REVISED TO NP-010682	F	3.8.0	Mobile radio interface signalling layer 3; General Aspects	N1
NP-010682	24.007	043	1	4.0.0	Rel-4	Clarification of the send sequence number mechanism	APPROVED	A	4.1.0	Mobile radio interface signalling layer 3; General Aspects	N1
NP-010649	24.007	043	1	4.0.0	Rel-4	Clarification of the send sequence number mechanism	REVISED TO NP-010682	A	4.1.0	Mobile radio interface signalling layer 3; General Aspects	N1
NP-010660	24.008	458	3	5.1.0	Rel-5	Introduction of Source Statistics Descriptor	APPROVED	B	5.2.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010648	24.008	477	1	3.9.0	R99	Correction of the criteria for the usage of combined RAU	APPROVED	F	3.10.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010648	24.008	478	1	4.4.0	Rel-4	Correction of the criteria for the usage of combined RAU	APPROVED	A	4.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010648	24.008	479	1	5.1.0	Rel-5	Correction of the criteria for the usage of combined RAU	APPROVED	A	5.2.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010654	24.008	480		4.4.0	Rel-4	Correction of default codec selection criterion	APPROVED	F	4.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010654	24.008	481		5.1.0	Rel-5	Correction of default codec selection criterion	APPROVED	A	5.2.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010678	24.008	485	1	3.9.0	R99	Mapping of NAS procedures to RRC Establishment Causes	APPROVED	F	3.10.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010650	24.008	485	1	3.9.0	R99	Mapping of NAS procedures to RRC Establishment Causes	REVISED TO NP-010678	F	3.10.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010678	24.008	486	1	4.4.0	Rel-4	Mapping of NAS procedures to RRC Establishment Causes	APPROVED	A	4.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010650	24.008	486	1	4.4.0	Rel-4	Mapping of NAS procedures to RRC Establishment Causes	REVISED TO NP-010678	A	4.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010678	24.008	487	1	5.1.0	Rel-5	Mapping of NAS procedures to RRC Establishment Causes	APPROVED	A	5.2.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010650	24.008	487	1	5.1.0	Rel-5	Mapping of NAS procedures to RRC Establishment Causes	REVISED TO NP-010678	A	5.2.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010660	24.008	488		5.1.0	Rel-5	Correction of missing actions on RAND and T3218, T3316	APPROVED	F	5.2.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1

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NP-010658	24.008	489	2	5.1.0	Rel-5	LCS capability for GPRS	APPROVED	B	5.2.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010659	24.008	493	2	5.1.0	Rel-5	Usage of TMSI in Intra Domain Connection of RAN Nodes to Multiple CN Nodes	APPROVED	C	5.2.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010655	24.008	494	2	4.4.0	Rel-4	RR Establishment Causes for LCS procedures	APPROVED	F	4.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010655	24.008	495	2	5.1.0	Rel-5	RR Establishment Causes for LCS procedures	APPROVED	A	5.2.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010647	24.008	496		3.9.0	R99	P-TMSI Signature handling	APPROVED	F	3.10.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010647	24.008	497		4.4.0	Rel-4	P-TMSI Signature handling	APPROVED	A	4.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010647	24.008	498		5.1.0	Rel-5	P-TMSI Signature handling	APPROVED	A	5.2.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010652	24.008	499		3.9.0	R99	Correction on maximum transfer delay value in QoS IE	APPROVED	F	3.10.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010652	24.008	500		4.4.0	Rel-4	Correction on maximum transfer delay value in QoS IE	APPROVED	A	4.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010652	24.008	501		5.1.0	Rel-5	Correction on maximum transfer delay value in QoS IE	APPROVED	A	5.2.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010647	24.008	505		3.9.0	R99	Handling of new/old TLLI in the network	APPROVED	A	3.10.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010647	24.008	506		4.4.0	Rel-4	Handling of new/old TLLI in the network	APPROVED	A	4.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010647	24.008	507		5.1.0	Rel-5	Handling of new/old TLLI in the network	APPROVED	A	5.2.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010660	24.008	510	2	5.1.0	Rel-5	Clarification on the EDGE parameters in the Mobile Station Classmark 3 IE	APPROVED	F	5.2.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010657	24.008	516	2	5.1.0	Rel-5	Use of Supported Codec List (SCL) IE for all codec types	APPROVED	B	5.2.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010650	24.008	521	2	3.9.0	R99	Impact of regional roaming restrictions on the GMM context	REVISED TO NP-010677	F	3.10.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1

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NP-010677	24.008	521	2	3.9.0	R99	Impact of regional roaming restrictions on the GMM context	REVISED TO NP-010689	F	3.10.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010689	24.008	521	3	3.9.0	R99	Impact of regional roaming restrictions on the GMM context	REVISED TO NP-010700	F	3.10.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010700	24.008	521	4	3.9.0	R99	Impact of regional roaming restrictions on the GMM context	APPROVED	F	3.10.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010678	24.008	522	2	3.9.0	R99	Conditions for the deletion of the equal PLMN list	APPROVED	F	3.10.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010650	24.008	522	2	3.9.0	R99	Conditions for the deletion of the equal PLMN list	REVISED TO NP-010678	F	3.10.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010650	24.008	524	2	4.4.0	Rel-4	Impact of regional roaming restrictions on the GMM context	REVISED TO NP-010677	A	4.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010677	24.008	524	2	4.4.0	Rel-4	Impact of regional roaming restrictions on the GMM context	REVISED TO NP-010689	A	4.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010689	24.008	524	3	4.4.0	Rel-4	Impact of regional roaming restrictions on the GMM context	REVISED TO NP-010700	A	4.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010700	24.008	524	4	4.4.0	Rel-4	Impact of regional roaming restrictions on the GMM context	APPROVED	A	4.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010678	24.008	525	2	4.4.0	Rel-4	Conditions for the deletion of the equal PLMN list	APPROVED	A	4.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010650	24.008	525	2	4.4.0	Rel-4	Conditions for the deletion of the equal PLMN list	REVISED TO NP-010678	A	4.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010677	24.008	527	2	5.1.0	Rel-5	Impact of regional roaming restrictions on the GMM context	REVISED TO NP-010689	A	5.2.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010650	24.008	527	2	5.1.0	Rel-5	Impact of regional roaming restrictions on the GMM context	REVISED TO NP-010677	A	5.2.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010689	24.008	527	3	5.1.0	Rel-5	Impact of regional roaming restrictions on the GMM context	REVISED TO NP-010700	A	5.2.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010700	24.008	527	4	5.1.0	Rel-5	Impact of regional roaming restrictions on the GMM context	APPROVED	A	5.2.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010678	24.008	528	2	5.1.0	Rel-5	Conditions for the deletion of the equal PLMN list	APPROVED	A	5.2.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1

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NP-010650	24.008	528	2	5.1.0	Rel-5	Conditions for the deletion of the equal PLMN list	REVISED TO NP-010678	A	5.2.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010656	24.008	531		4.4.0	Rel-4	CR to 24.008. Corrections to references.	APPROVED	F	4.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010665	24.008	532		5.1.0	Rel-5	CR to 24.008. Corrections to references.	APPROVED	A	5.2.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010679	24.008	533		4.4.0	Rel-4	Introduction of GERAN feature indication	REVISED TO NP-010690	F	4.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010690	24.008	533	1	4.4.0	Rel-4	Introduction of GERAN feature indication	APPROVED	F	4.5.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010679	24.008	534		5.1.0	Rel-5	Introduction of GERAN feature indication	REVISED TO NP-010690	A	5.2.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010690	24.008	534	1	5.1.0	Rel-5	Introduction of GERAN feature indication	APPROVED	A	5.2.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-010616	24.010	004		3.1.0	R99	Usage of SS Version Indicator	approved	A	3.2.0	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	N4
NP-010616	24.010	005		4.1.0	Rel-4	Usage of SS Version Indicator	approved	A	4.2.0	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	N4
NP-010604	24.022	006	3	4.0.0	Rel-5	Terminology clarifications as requested by TSG GERAN	approved	D	5.0.0	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	N3
NP-010614	24.030	007		3.2.0	R99	CR 004 wrongly implemented	approved	F	3.3.0	Location Services (LCS); Supplementary service operations; Stage 3	N4
NP-010613	24.030	008		3.2.0	R99	Specify usage of SS Version Indicator	approved	A	3.3.0	Location Services (LCS); Supplementary service operations; Stage 3	N4
NP-010613	24.030	009		4.1.0	Rel-4	Specify usage of SS Version Indicator	approved	A	4.2.0	Location Services (LCS); Supplementary service operations; Stage 3	N4
NP-010621	24.030	011		4.1.0	Rel-4	Correction of MO-LR procedure	approved	F	4.2.0	Location Services (LCS); Supplementary service operations; Stage 3	N4
NP-010612	24.080	013		3.5.0	R99	Message type: completion of alignment to 24.007 and 24.008	approved	F	3.6.0	Mobile radio Layer 3 supplementary service specification; Formats and coding	N4
NP-010612	24.080	014		4.1.0	Rel-4	Message type: completion of alignment to 24.007 and 24.008	approved	A	4.2.0	Mobile radio Layer 3 supplementary service specification; Formats and coding	N4
NP-010616	24.135	002	1	3.1.0	R99	Clarification on SI value for Mobile terminating call (reuse an existing traffic channel)	approved		3.2.0	Multicall supplementary service; Stage 3	N4
NP-010616	24.135	003	1	4.0.0	Rel-4	Clarification on SI value for Mobile terminating call (reuse an existing traffic channel)	approved		4.1.0	Multicall supplementary service; Stage 3	N4
NP-010574	27.001	069		4.5.0	Rel-4	SDU size for transparent data at 33.6 kbit/s	approved	F	4.6.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3

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NP-010604	27.001	070	3	4.5.0	Rel-5	Terminology clarifications as requested by TSG GERAN	approved	D	5.0.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-010604	27.002	008	3	4.0.0	Rel-5	Terminology clarifications as requested by TSG GERAN	approved	D	5.0.0	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	N3
NP-010604	27.003	009	3	4.1.0	Rel-5	Terminology clarifications as requested by TSG GERAN	approved	D	4.2.0	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	N3
NP-010604	27.060	016	2	4.0.0	Rel-5	Terminology clarifications as requested by TSG GERAN	approved	D	5.0.0	Packet domain; Mobile Station (MS) supporting Packet Switched services	N3
NP-010613	29.002	312		3.10.0	R99	Clarification on LCS parameters in MAP	approved	A	3.11.0	Mobile Application Part (MAP) specification	N4
NP-010613	29.002	313		4.5.0	Rel-4	Clarification on LCS parameters in MAP	approved	A	4.6.0	Mobile Application Part (MAP) specification	N4
NP-010623	29.002	314		4.5.0	Rel-4	Handling of linked operations in the MAP protocol machine	approved	F	4.6.0	Mobile Application Part (MAP) specification	N4
NP-010616	29.002	315		3.10.0	R99	Alignment of SDL with text for procedure Process_Components in the MAP protocol machine	approved	F	3.11.0	Mobile Application Part (MAP) specification	N4
NP-010621	29.002	316		4.5.0	Rel-4	Corrections on the SDL diagrams for LCS	approved	F	4.6.0	Mobile Application Part (MAP) specification	N4
NP-010609	29.002	317	1	3.10.0	R99	Indication of deletion of CSI in Notify Subscriber Data Change	approved	F	3.11.0	Mobile Application Part (MAP) specification	N4
NP-010609	29.002	318	1	4.5.0	Rel-4	Indication of deletion of CSI in Notify Subscriber Data Change	approved	A	4.6.0	Mobile Application Part (MAP) specification	N4
NP-010614	29.002	319		3.10.0	R99	Correct length of Add-GeographicalInformation	approved	F	3.11.0	Mobile Application Part (MAP) specification	N4
NP-010614	29.002	320		4.5.0	Rel-4	Correct length of Add-GeographicalInformation	approved	A	4.6.0	Mobile Application Part (MAP) specification	N4
NP-010611	29.002	321		3.10.0	R99	Clarify encoding of RNC Id	approved	F	3.11.0	Mobile Application Part (MAP) specification	N4
NP-010611	29.002	322		4.5.0	Rel-4	Clarify encoding of RNC Id	approved	A	4.6.0	Mobile Application Part (MAP) specification	N4
NP-010611	29.002	323		3.10.0	R99	Clarify encoding of RANAP parameters in MAP	approved	F	3.11.0	Mobile Application Part (MAP) specification	N4
NP-010611	29.002	324		4.5.0	Rel-4	Clarify encoding of RANAP parameters in MAP	approved	A	4.6.0	Mobile Application Part (MAP) specification	N4
NP-010623	29.002	325		4.5.0	Rel-4	Clarifications on long FTN	approved	F	4.6.0	Mobile Application Part (MAP) specification	N4
NP-010617	29.002	330	1	3.10.0	R99	Clarification of methodology for maintaining data consistency in Supercharger	approved	F	3.11.0	Mobile Application Part (MAP) specification	N4
NP-010617	29.002	331	1	4.5.0	Rel-4	Clarification of methodology for maintaining data consistency in Supercharger	approved	A	4.6.0	Mobile Application Part (MAP) specification	N4
NP-010615	29.002	333		3.10.0	R99	Addition of RAB ID to Prepare Handover procedure	approved	F	3.11.0	Mobile Application Part (MAP) specification	N4
NP-010615	29.002	334		4.5.0	Rel-4	Addition of RAB ID to Prepare Handover procedure	approved	A	4.6.0	Mobile Application Part (MAP) specification	N4
NP-010611	29.002	335		3.10.0	R99	Correction to the Allowed GSM Algorithms parameter	approved	F	3.11.0	Mobile Application Part (MAP) specification	N4

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NP-010611	29.002	336		4.5.0	Rel-4	Correction to the Allowed GSM Algorithms parameter	approved	A	4.6.0	Mobile Application Part (MAP) specification	N4
NP-010623	29.002	337	1	4.5.0	Rel-4	Correction of references	approved	F	4.6.0	Mobile Application Part (MAP) specification	N4
NP-010609	29.002	338		3.10.0	R99	CUG-Info is not exported from 29.002	approved	F	3.11.0	Mobile Application Part (MAP) specification	N4
NP-010609	29.002	339		4.5.0	Rel-4	CUG-Info is not exported from 29.002	approved	A	4.6.0	Mobile Application Part (MAP) specification	N4
NP-010609	29.002	340		3.10.0	R99	Clarification on NSCD when data is withdrawn	approved	F	3.11.0	Mobile Application Part (MAP) specification	N4
NP-010609	29.002	341		4.5.0	Rel-4	Clarification on NSCD when data is withdrawn	approved	A	4.6.0	Mobile Application Part (MAP) specification	N4
NP-010609	29.002	342		3.10.0	R99	Clarification of sending CAMEL information in stand alone ISD case	approved	F	3.11.0	Mobile Application Part (MAP) specification	N4
NP-010609	29.002	343		4.5.0	Rel-4	Clarification of sending CAMEL information in stand alone ISD case	approved	A	4.6.0	Mobile Application Part (MAP) specification	N4
NP-010621	29.002	344		4.5.0	Rel-4	Correction of the priority for “SRI for LCS”	approved	F	4.6.0	Mobile Application Part (MAP) specification	N4
NP-010609	29.002	346		3.10.0	R99	ASN.1 correction	approved	F	3.11.0	Mobile Application Part (MAP) specification	N4
NP-010609	29.002	347		4.5.0	Rel-4	ASN.1 correction	approved	A	4.6.0	Mobile Application Part (MAP) specification	N4
NP-010623	29.002	349	2	4.5.0	Rel-4	Handling the MNRR flag in the HLR & SMS-GMSC	approved	A	4.6.0	Mobile Application Part (MAP) specification	N4
NP-010611	29.002	353	1	3.10.0	R99	Minimum MAP application context for G2G inter-MSC handover	approved	F	3.11.0	Mobile Application Part (MAP) specification	N4
NP-010611	29.002	354	1	4.5.0	Rel-4	Minimum MAP application context for G2G inter-MSC handover	approved	A	4.6.0	Mobile Application Part (MAP) specification	N4
NP-010631	29.002	355	1	4.5.0	Rel-5	LCS Capability Handling for GPRS MS’s	approved	B	5.0.0	Mobile Application Part (MAP) specification	N4
NP-010616	29.002	358	2	3.10.0	R99	Alignment of parameter lengths with those prescribed in 08.08	approved	F	3.11.0	Mobile Application Part (MAP) specification	N4
NP-010616	29.002	359	2	4.5.0	Rel-4	Alignment of parameter lengths with those prescribed in 08.08	approved	A	4.6.0	Mobile Application Part (MAP) specification	N4
NP-010622	29.002	360	1	4.5.0	Rel-4	Aligning the security header elements with TS33.200	approved	F	4.6.0	Mobile Application Part (MAP) specification	N4
NP-010673	29.002	363	-	3.10.0	R99	Syntax error in the ATM result and ATSI result	approved	F	3.11.0	Mobile Application Part (MAP) specification	N4
NP-010673	29.002	364	-	4.5.0	Rel-4	Syntax error in the ATM result and ATSI result	approved	F	4.6.0	Mobile Application Part (MAP) specification	N4
NP-010571	29.007	042		3.8.0	R99	Removal of SIWF	approved	F	3.9.0	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	N3

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NP-010571	29.007	043		4.2.0	Rel-4	Removal of SIWF	approved	A	4.3.0	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	N3
NP-010604	29.007	044	3	4.2.0	Rel-5	Terminology clarifications as requested by TSG GERAN	approved	D	5.0.0	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	N3
NP-010574	29.007	045		4.2.0	Rel-4	SDU size for transparent data at 33.6 kbit/s	approved	F	4.3.0	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	N3
NP-010611	29.010	035	2	3.6.0	R99	LCS/HO Location Reporting – UMTS to GSM and UMTS to UMTS	approved	F	3.7.0	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-010611	29.010	036	2	4.1.0	Rel-4	LCS/HO Location Reporting – UMTS to GSM and UMTS to UMTS	approved	A	4.2.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4
NP-010611	29.010	039		3.6.0	R99	Global replace of BSS-APDU with AN-APDU	approved	F	3.7.0	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-010611	29.010	040		4.1.0	Rel-4	Global replace of BSS-APDU with AN-APDU	approved	A	4.2.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4
NP-010614	29.010	042	1	3.6.0	R99	Alignment of 29.010 to 25.413 for LCS	approved	F	3.7.0	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

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NP-010616	29.010	~~043~~04 6		3.6.0	R99	Removal of deleted MAP operations	approved	F	3.7.0	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-010616	29.010	~~044~~04 7		4.1.0	Rel-4	Removal of deleted MAP operations	approved	A	4.2.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4
NP-010646	29.018	019		3.7.0	R99	Clarification of the periodic routing area update procedure	APPROVED	A	3.8.0	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	N1
NP-010646	29.018	020		4.1.0	Rel-4	Clarification of the periodic routing area update procedure	APPROVED	A	4.2.0	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	N1
NP-010653	29.018	022		3.7.0	R99	Correction of the Location Update for non-GPRS service procedure	APPROVED	F	3.8.0	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	N1
NP-010653	29.018	023		4.1.0	Rel-4	Correction of the Location Update for non-GPRS service procedure	APPROVED	A	4.2.0	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	N1
NP-010659	29.018	024	1	4.1.0	Rel-5	Introduction of Intra Domain Connection of RAN	APPROVED	C	5.0.0	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	N1
NP-010659	29.018	025	1	4.1.0	Rel-5	Intra-Domain Connection of RAN Nodes to Multiple CN Nodes	APPROVED	C	5.0.0	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	N1
NP-010610	29.060	249		3.10.0	R99	Clarification on the handling of the GTP MM Context IE	approved	F	3.11.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-010610	29.060	252	1	3.10.0	R99	Clarification on the GTP PDP context IE	approved	F	3.11.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-010623	29.060	255		4.2.0	Rel-4	Add APN.OI sub-field to the APN in PDP context IE	approved	F	4.3.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-010630	29.060	259	1	4.2.0	Rel-5	Relaying of Identification Request and SGSN Context Request message to another SGSN.	approved	F	5.0.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4

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NP-010623	29.060	264		4.2.0	Rel-4	Clarification of header marker setting for Error Indication	approved	F	4.3.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-010616	29.060	267	1	3.10.0	R99	GGSN address for control plane must not be changed in "Update PDP Context Response"	approved	F	3.11.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-010616	29.060	268	1	4.2.0	Rel-4	GGSN address for control plane must not be changed in "Update PDP Context Response"	approved	A	4.3.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-010631	29.060	272		4.2.0	Rel-5	Support for Radio Priority LCS	approved	F	5.0.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-010610	29.060	273		4.2.0	Rel-4	Clarification on the handling of the GTP MM Context IE	approved	F	4.3.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-010610	29.060	274		4.2.0	Rel-4	Clarification on the GTP PDP context IE	approved	A	4.3.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-010610	29.060	275	1	3.10.0	R99	Clarification on the handling of protocol configuration options IE	approved	F	3.11.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-010631	29.060	282		4.2.0	Rel-5	Clarification on IMSI format (Unused fields	approved	D	4.3.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-010696	29.060	283		4.2.0	Rel-4	Clarification on the handling of protocol configuration options IE	approved	A	4.3.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-010672	29.061	023	2	4.2.0	Rel-4	Standard method for updating information between GPRS and external PDN using RADIUS	approved	A	4.3.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-010672	29.061	024	2	4.2.0	Rel-4	Standard method for interworking between GPRS and external PDN using RADIUS	approved	A	4.3.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-010572	29.061	027	1	3.7.0	R99	Correction to Calling-station-id	approved	A	3.8.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-010572	29.061	028	1	4.2.0	Rel-4	Correction to Calling-station-id	approved	A	4.3.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-010572	29.061	029	1	3.7.0	R99	Correction to 3GPP specific attribute: 3GPP-IMSI	approved	A	3.8.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3

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NP-010572	29.061	030	1	4.2.0	Rel-4	Correction to 3GPP specific attribute: 3GPP-IMSI	approved	A	4.3.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-010572	29.061	031		3.7.0	R99	Correction to 3GPP specific attributes containing MCC-MNC IMSI	approved	A	3.8.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-010572	29.061	032		4.2.0	Rel-4	Correction to 3GPP specific attributes containing MCC-MNC IMSI	approved	A	4.3.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-010672	29.061	033		3.7.0	R99	Standard method for interworking between GPRS and external PDN using RADIUS	approved	A	3.8.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-010672	29.061	034		3.7.0	R99	Standard method for updating information between GPRS and external PDN using RADIUS	approved	A	3.8.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-010604	29.061	035	2	4.2.0	Rel-5	Terminology clarifications as requested by TSG GERAN	approved	D	5.0.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-010584	29.078	202		3.9.0	R99	Correction of the MAXIMUM-FOR-FCI-BILLING-CHARGING value	approved	F	3.10.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-010584	29.078	203		4.2.0	Rel-4	Correction of the MAXIMUM-FOR-FCI-BILLING-CHARGING value	approved	A	4.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-010584	29.078	204	1	3.9.0	R99	Correction of the MAXIMUM-FOR-SCI-BILLING-CHARGING value	approved	F	3.10.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-010584	29.078	205	1	4.2.0	Rel-4	Correction of the MAXIMUM-FOR-SCI-BILLING-CHARGING value	approved	A	4.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-010584	29.078	206	2	3.9.0	R99	Precision about default values for ServiceInteractionIndicatorsTwo parameters	approved	F	3.10.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-010584	29.078	207		3.9.0	R99	Encoding of the InitialDPGPRS ChargingID parameter	approved	F	3.10.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2

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NP-010584	29.078	208		4.2.0	Rel-4	Encoding of the InitialDPGPRS ChargingID parameter	approved	A	4.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-010584	29.078	209	1	3.9.0	R99	Introduction of SMS Reference Number	approved	F	3.10.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-010584	29.078	210		4.2.0	Rel-4	Introduction of SMS Reference Number	approved	A	4.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-010584	29.078	211		4.2.0	Rel-4	Precision about default values for ServiceInteractionIndicatorsTwo parameters	approved	A	4.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-010589	29.078	212		3.9.0	R99	ApplyCharging shall be allowed in a control relationship only	approved	F	3.10.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-010589	29.078	213		3.9.0	R99	Correction to IMPORT statements	approved	F	3.10.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-010663	29.078	214		3.9.0	R99	Correction to reference for the encoding of Called Party Number	approved	F	3.10.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-010589	29.078	215	1	3.9.0	R99	Correction to preconditions for ActivityTestGPRS	approved	F	3.10.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-010589	29.078	216	1	3.9.0	R99	Correction to error handling description for Initial DP operations	approved	F	3.10.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-010662	29.078	217	1	3.9.0	R99	Correction to references for the encoding of APN	approved	F	3.10.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-010662	29.078	218	1	3.9.0	R99	The use of "White TCAP" shall be mandated for CAP	approved	F	3.10.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-010664	29.078	221		3.9.0	R99	Correction to GPRS parameters encoding	approved	F	3.10.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2

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NP-010589	29.078	222		4.2.0	Rel-4	Correction to IMPORT statements	approved	A	4.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-010589	29.078	223		4.2.0	Rel-4	Correction to error handling description for Initial DP operations	approved	A	4.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-010662	29.078	224		4.2.0	Rel-4	The use of "White TCAP" shall be mandated for CAP	approved	A	4.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-010662	29.078	225		4.2.0	Rel-4	Correction to references for the encoding of APN	approved	A	4.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-010589	29.078	226		4.2.0	Rel-4	ApplyCharging shall be allowed in a control relationship only	approved	A	4.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-010662	29.078	227		3.9.0	R99	Correction to precondition of ContinueWithArgument	approved	F	3.10.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-010589	29.078	228		4.2.0	Rel-4	Correction to preconditions for ActivityTestGPRS	approved	A	4.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-010622	29.078	229		4.2.0	Rel-4	Correction to precondition of ContinueWithArgument	approved	A	4.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-010664	29.078	230		4.2.0	Rel-4	Correction to GPRS parameters encoding	approved	A	4.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-010663	29.078	231		4.2.0	Rel-4	Correction to reference for the encoding of Called Party Number	approved	A	4.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-010594	29.198-01	003		4.2.0	Rel-4	Replace Out Parameters with Return Types	approved	F	4.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	N5
NP-010594	29.198-01	004		4.2.0	Rel-4	Remove the perception that the OSA API only uses CORBA for its transport mechanism	approved	F	4.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	N5
NP-010595	29.198-02	007		4.2.0	Rel-4	Replace Out Parameters with Return Types	approved	F	4.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	N5

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NP-010595	29.198-02	008		4.2.0	Rel-4	Correction to Common Data (CD)	approved	F	4.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	N5
NP-010595	29.198-02	009		4.2.0	Rel-4	Correction to values of TpAddressPlan	approved	F	4.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	N5
NP-010596	29.198-03	021		4.2.0	Rel-4	Replace Out Parameters with Return Types	approved	F	4.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-010596	29.198-03	022		4.2.0	Rel-4	Correctionto Framework (FW)	approved	F	4.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-010597	29.198-04	019		4.1.0	Rel-4	Replace Out Parameters with Return Types	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-010597	29.198-04	020		4.1.0	Rel-4	Removal of time based charging property	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-010597	29.198-04	021		4.1.0	Rel-4	Make attachMedia() and detachMedia() asynchronous	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-010597	29.198-04	022		4.1.0	Rel-4	Correction of treatment datatype in superviseReq on call leg	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-010597	29.198-04	023		4.1.0	Rel-4	Corrections to Call Control Data Types	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-010597	29.198-04	024		4.1.0	Rel-4	Correction to Call Control (CC)	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-010597	29.198-04	025		4.1.0	Rel-4	Amend the Generic Call Control introductory part	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-010597	29.198-04	026		4.1.0	Rel-4	Correction in TpCallEventType	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-010597	29.198-04	027		4.1.0	Rel-4	Addition of missing description of RouteErr()	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-010597	29.198-04	028		4.1.0	Rel-4	Misleading description of createAndRouteCallLegErr()	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-010597	29.198-04	029		4.1.0	Rel-4	Correction to values of TpCallNotificationType, TpCallLoadControlMechanismType	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-010695	29.198-04	030		4.1.0	Rel-4	Correction of method getLastRedirectionAddress	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5

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NP-010598	29.198-05	003		4.2.0	Rel-4	Replace Out Parameters with Return Types	approved	F	4.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	N5
NP-010598	29.198-05	004		4.2.0	Rel-4	Correction of description of sendInfoRes()	approved	F	4.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	N5
NP-010598	29.198-05	005		4.2.0	Rel-4	Correction to handling of deassign on related object	approved	F	4.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	N5
NP-010598	29.198-05	006		4.2.0	Rel-4	Correction to Exceptions Raised in UI	approved	F	4.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	N5
NP-010598	29.198-05	007		4.2.0	Rel-4	Correction to values of TpUIInfoType	approved	F	4.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	N5
NP-010599	29.198-06	004		4.2.1	Rel-4	Replace Out Parameters with Return Types	approved	F	4.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	N5
NP-010599	29.198-06	005		4.2.1	Rel-4	Methods accepting an interface as a parameter need to be able to raise P_INVALID_INTERFACE_TYPE	approved	F	4.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	N5
NP-010599	29.198-06	006		4.2.1	Rel-4	Correction of references to 3GPP specifications	approved	F	4.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	N5
NP-010599	29.198-06	007		4.2.1	Rel-4	Correction to callback interface reference in method IpTriggeredUserLocation.triggeredLocationReportingStart Req	approved	F	4.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	N5
NP-010600	29.198-07	003		4.2.0	Rel-4	Replace Out Parameters with Return Types	approved	F	4.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities	N5
NP-010601	29.198-08	003		4.2.0	Rel-4	Replace Out Parameters with Return Types	approved	F	4.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	N5
NP-010601	29.198-08	004		4.2.0	Rel-4	Corrections and alignment additions to the Data Session Control SCF	approved	F	4.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	N5
NP-010602	29.198-11	003		4.1.0	Rel-4	Replace Out Parameters with Return Types	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	N5
NP-010602	29.198-11	004		4.1.0	Rel-4	Replace erroneous use of incorrect data type TpSessionID by TpAssignmentID in Account Management interface	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	N5
NP-010603	29.198-12	009		4.1.0	Rel-4	Replace Out Parameters with Return Types	approved	F	4.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	N5
NP-010619	29.232	011	1	4.2.0	Rel-4	Inclusion of H.248 Annex L, 'Error Codes and Service Change Reasons'	approved	F	4.3.0	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4

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NP-010619	29.232	012		4.2.0	Rel-4	Removal of Reuse Idle Package	approved	F	4.3.0	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4
NP-010631	29.232	013	1	4.2.0	Rel-5	Introduction of MGW Congestion Handling	approved	B	5.0.0	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4
NP-010619	29.232	014		4.2.0	Rel-4	Correction of Release Procedures	approved	F	4.3.0	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4
NP-010619	29.232	015		4.2.0	Rel-4	Clarification Of Use Of 3GUP package For PCM	approved	F	4.3.0	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4
NP-010619	29.232	016		4.2.0	Rel-4	Corrections to ABNF coding of PackageIDs	approved	F	4.3.0	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4
NP-010619	29.232	017		4.2.0	Rel-4	Correction of BICC packages	approved	F	4.3.0	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4
NP-010631	29.232	019	2	4.2.0	Rel-5	Management locking of MG	approved	B	5.0.0	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4
NP-010619	29.232	020	1	4.2.0	Rel-4	Correction of 3GUP package sub-list type	approved	F	4.3.0	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4
NP-010573	29.414	004		4.2.0	Rel-4	Correction of inconsistency regarding RTP clock frequency	approved	F	4.3.0	Core network Nb data transport and transport signalling	N3
NP-010573	29.414	005	1	4.2.0	Rel-4	Correction of scope clause	approved	F	4.3.0	Core network Nb data transport and transport signalling	N3
NP-010573	29.415	002	1	4.1.0	Rel-4	Correction of scope clause	approved	F	4.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N3
NP-010573	29.415	004	1	4.1.0	Rel-4	Reference to Iu UP	approved	F	4.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N3
NP-010604	44.021	001	1	4.0.0	Rel-5	Terminology clarifications as requested by TSG GERAN	approved	D	5.0.0	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	N3
NP-010658	44.064	002	3	4.1.0	Rel-5	Introduction of a new TOM protocol discriminator for RRLP	APPROVED	B	5.0.0	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	N1
NP-010648	44.064	004		4.1.0	Rel-4	IOV reset Conditions	APPROVED	A	4.2.0	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	N1
NP-010604	48.020	001	1	4.0.0	Rel-5	Terminology clarifications as requested by TSG GERAN	approved	D	5.0.0	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	N3
RP-010777	25.101	133		3.8.0	R99	Clarification on 25.101 sec 8.8.2 averaging method.	approved	F	3.9.0	UE Radio transmission and reception (FDD)	R4
RP-010777	25.101	134		4.2.0	Rel-4	Clarification on 25.101 sec 8.8.2 averaging method.	approved	A	4.3.0	UE Radio transmission and reception (FDD)	R4
RP-010777	25.101	135		5.0.0	Rel-5	Clarification on 25.101 sec 8.8.2 averaging method.	approved	A	5.1.0	UE Radio transmission and reception (FDD)	R4
RP-010777	25.101	136		3.8.0	R99	Correction of power control in downlink, initial convergence	approved	F	3.9.0	UE Radio transmission and reception (FDD)	R4

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RP-010777	25.101	137		4.2.0	Rel-4	Correction of power control in downlink, initial convergence	approved	A	4.3.0	UE Radio transmission and reception (FDD)	R4
RP-010777	25.101	138		5.0.0	Rel-5	Correction of power control in downlink, initial convergence	approved	A	5.1.0	UE Radio transmission and reception (FDD)	R4
RP-010777	25.101	139		3.8.0	R99	UMTS 1900 corrections to TS 25.101v380	approved	F	3.9.0	UE Radio transmission and reception (FDD)	R4
RP-010777	25.101	140		4.2.0	Rel-4	UMTS 1900 corrections to TS 25.101 rel4	approved	A	4.3.0	UE Radio transmission and reception (FDD)	R4
RP-010789	25.101	141		5.0.0	Rel-5	UMTS1800/1900 changes	approved	B	5.1.0	UE Radio transmission and reception (FDD)	R4
RP-010790	25.101	142		5.0.0	Rel-5	Performance requirement for dedicated pilot	approved	B	5.1.0	UE Radio transmission and reception (FDD)	R4
RP-010778	25.102	081		3.8.0	R99	Tx On/Off Test Requirements for Discontinuous Transmission	approved	F	3.9.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-010778	25.102	082		4.2.0	Rel-4	Tx On/Off Test Requirements for Discontinuous Transmission	approved	A	4.3.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-010778	25.102	083		3.8.0	R99	Downlink power control - performance requirement for constant BLER target, 3.84 Mcps TDD option	approved	F	3.9.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-010778	25.102	084		4.2.0	Rel-4	Downlink power control - performance requirement for constant BLER target, 3.84 Mcps TDD option	approved	A	4.3.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-010793	25.102	085		4.2.0	Rel-4	Tx On/Off Test Requirements for Continuous Transmission	approved	F	4.3.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-010779	25.104	088		3.8.0	R99	Multi and single carrier for spurious emissions	approved	F	3.9.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-010779	25.104	089		4.2.0	Rel-4	Multi and single carrier for spurious emissions	approved	A	4.3.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-010779	25.104	090		5.0.0	Rel-5	Multi and single carrier for spurious emissions	approved	A	5.1.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-010779	25.104	091		3.8.0	R99	Correction to units in Spectrum emission mask	approved	F	3.9.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-010779	25.104	092		4.2.0	Rel-4	Correction to units in Spectrum emission mask	approved	A	4.3.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-010779	25.104	093		5.0.0	Rel-5	Correction to units in Spectrum emission mask	approved	A	5.1.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-010779	25.104	094		3.8.0	R99	Co location with UTRA TDD	approved	F	3.9.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-010779	25.104	095		5.0.0	Rel-5	Co location with UTRA TDD	approved	A	5.1.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-010779	25.104	096		4.2.0	Rel-4	Co location with UTRA TDD	approved	A	4.3.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-010779	25.104	097		3.8.0	R99	Correction for FCC emission mask and frequency raster for Band B (UMTS1900)	approved	F	3.9.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-010779	25.104	098		4.2.0	Rel-4	Correction for FCC emission mask and frequency raster for Band B (UMTS1900)	approved	A	4.3.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-010789	25.104	099		5.0.0	Rel-5	Rel 5 frequency band reestructure and essential corrections for band II and III	approved	B	5.1.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-010780	25.105	086		3.8.0	R99	Table label correction from BLER Required Eb/No to BLER	approved	F	3.9.0	UTRA (BS) TDD: Radio transmission and reception	R4

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RP-010780	25.105	087		4.2.0	Rel-4	Table label correction from BLER Required Eb/No to BLER	approved	A	4.3.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-010781	25.123	123		3.7.0	R99	Clarification of CPICH measurement accuracy	approved	F	3.8.0	Requirements for support of radio resource management (TDD)	R4
RP-010781	25.123	124		4.2.0	Rel-4	Clarification of CPICH measurement accuracy	approved	A	4.3.0	Requirements for support of radio resource management (TDD)	R4
RP-010781	25.123	125		3.7.0	R99	CELL_FACH test cases for UTRA TDD	approved	F	3.8.0	Requirements for support of radio resource management (TDD)	R4
RP-010781	25.123	126		4.2.0	Rel-4	CELL_FACH test cases for UTRA TDD	approved	A	4.3.0	Requirements for support of radio resource management (TDD)	R4
RP-010781	25.123	127		3.7.0	R99	Correction to test requirement for URA_PCH test cases	approved	F	3.8.0	Requirements for support of radio resource management (TDD)	R4
RP-010781	25.123	128		4.2.0	Rel-4	Correction to test requirement for URA_PCH test cases	approved	A	4.3.0	Requirements for support of radio resource management (TDD)	R4
RP-010781	25.123	129		3.7.0	R99	Correction of RSSI relative accuracy requirements	approved	F	3.8.0	Requirements for support of radio resource management (TDD)	R4
RP-010781	25.123	130		4.2.0	Rel-4	Correction of RSSI relative accuracy requirements	approved	A	4.3.0	Requirements for support of radio resource management (TDD)	R4
RP-010781	25.123	131		3.7.0	R99	Corrections to TDD/TDD inter-frequency test cases in Annex A	approved	F	3.8.0	Requirements for support of radio resource management (TDD)	R4
RP-010781	25.123	132		4.2.0	Rel-4	Corrections to TDD/TDD inter-frequency test cases in Annex A	approved	A	4.3.0	Requirements for support of radio resource management (TDD)	R4
RP-010781	25.123	133		3.7.0	R99	Correction to GSM carrier RSSI	approved	F	3.8.0	Requirements for support of radio resource management (TDD)	R4
RP-010781	25.123	134		4.2.0	Rel-4	Correction to GSM carrier RSSI	approved	A	4.3.0	Requirements for support of radio resource management (TDD)	R4
RP-010781	25.123	135		3.7.0	R99	Requirements for TFC selection at UE maximum power	approved	F	3.8.0	Requirements for support of radio resource management (TDD)	R4
RP-010781	25.123	136		4.2.0	Rel-4	Requirements for TFC selection at UE maximum power	approved	A	4.3.0	Requirements for support of radio resource management (TDD)	R4
RP-010786	25.123	137		4.2.0	Rel-4	TFC selection at the UE maximum power	approved	F	4.3.0	Requirements for support of radio resource management (TDD)	R4
RP-010786	25.123	138		4.2.0	Rel-4	Clarification of CPICH measurement accuracy	approved	F	4.3.0	Requirements for support of radio resource management (TDD)	R4
RP-010786	25.123	139		4.2.0	Rel-4	Correction of Cell-Fach state requirements for 1.28Mcps TDD	approved	F	4.3.0	Requirements for support of radio resource management (TDD)	R4
RP-010786	25.123	140		4.2.0	Rel-4	Clarification of 1.28Mcps TDD/TDD handover	approved	F	4.3.0	Requirements for support of radio resource management (TDD)	R4
RP-010782	25.133	187		3.7.0	R99	S-criteria evaluation in CELL_FACH state	approved	F	3.8.0	Requirements for support of radio resource management (FDD)	R4
RP-010782	25.133	188		4.2.0	Rel-4	S-criteria evaluation in CELL_FACH state	approved	A	4.3.0	Requirements for support of radio resource management (FDD)	R4
RP-010782	25.133	189		5.0.0	Rel-5	S-criteria evaluation in CELL_FACH state	approved	A	5.1.0	Requirements for support of radio resource management (FDD)	R4
RP-010782	25.133	190		3.7.0	R99	Correction of random access requirements and test case	approved	F	3.8.0	Requirements for support of radio resource management (FDD)	R4
RP-010782	25.133	191		4.2.0	Rel-4	Correction of random access requirements and test case	approved	A	4.3.0	Requirements for support of radio resource management (FDD)	R4

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RP-010782	25.133	192		5.0.0	Rel-5	Correction of random access requirements and test case	approved	A	5.1.0	Requirements for support of radio resource management (FDD)	R4
RP-010782	25.133	193		3.7.0	R99	Correction of RRC connection re-establishment test case	approved	F	3.8.0	Requirements for support of radio resource management (FDD)	R4
RP-010782	25.133	194		4.2.0	Rel-4	Correction of RRC connection re-establishment test case	approved	A	4.3.0	Requirements for support of radio resource management (FDD)	R4
RP-010782	25.133	195		5.0.0	Rel-5	Correction of RRC connection re-establishment test case	approved	A	5.1.0	Requirements for support of radio resource management (FDD)	R4
RP-010782	25.133	196		3.7.0	R99	Correction of reference for UTRAN SIRerror measurement	approved	F	3.8.0	Requirements for support of radio resource management (FDD)	R4
RP-010782	25.133	197		4.2.0	Rel-4	Correction of reference for UTRAN SIRerror measurement	approved	A	4.3.0	Requirements for support of radio resource management (FDD)	R4
RP-010782	25.133	198		5.0.0	Rel-5	Correction of reference for UTRAN SIRerror measurement	approved	A	5.1.0	Requirements for support of radio resource management (FDD)	R4
RP-010782	25.133	199		3.7.0	R99	FDD/FDD hard handover test cases	approved	F	3.8.0	Requirements for support of radio resource management (FDD)	R4
RP-010782	25.133	200		4.2.0	Rel-4	FDD/FDD hard handover test cases	approved	A	4.3.0	Requirements for support of radio resource management (FDD)	R4
RP-010782	25.133	201		5.0.0	Rel-5	FDD/FDD hard handover test cases	approved	A	5.1.0	Requirements for support of radio resource management (FDD)	R4
RP-010782	25.133	202		3.7.0	R99	UTRAN GSM reselection	approved	F	3.8.0	Requirements for support of radio resource management (FDD)	R4
RP-010782	25.133	203		4.2.0	Rel-4	UTRAN GSM reselection	approved	A	4.3.0	Requirements for support of radio resource management (FDD)	R4
RP-010782	25.133	204		5.0.0	Rel-5	UTRAN GSM reselection	approved	A	5.1.0	Requirements for support of radio resource management (FDD)	R4
RP-010791	25.133	205		3.7.0	R99	Test conditions for UE Tx power measurement	approved	F	3.8.0	Requirements for support of radio resource management (FDD)	R4
RP-010791	25.133	206		4.2.0	Rel-4	Test conditions for UE Tx power measurement	approved	A	4.3.0	Requirements for support of radio resource management (FDD)	R4
RP-010791	25.133	207		5.0.0	Rel-5	Test conditions for UE Tx power measurement	approved	A	5.1.0	Requirements for support of radio resource management (FDD)	R4
RP-010791	25.133	208		3.7.0	R99	Correction to general requirements for support of compressed mode	approved	F	3.8.0	Requirements for support of radio resource management (FDD)	R4
RP-010791	25.133	209		4.2.0	Rel-4	Correction to general requirements for support of compressed mode	approved	A	4.3.0	Requirements for support of radio resource management (FDD)	R4
RP-010791	25.133	210		5.0.0	Rel-5	Correction to general requirements for support of compressed mode	approved	A	5.1.0	Requirements for support of radio resource management (FDD)	R4
RP-010791	25.133	211		3.7.0	R99	UE Tx Timing rate	approved	F	3.8.0	Requirements for support of radio resource management (FDD)	R4
RP-010791	25.133	212		4.2.0	Rel-4	UE Tx Timing rate	approved	A	4.3.0	Requirements for support of radio resource management (FDD)	R4
RP-010791	25.133	213		5.0.0	Rel-5	UE Tx Timing rate	approved	A	5.1.0	Requirements for support of radio resource management (FDD)	R4
RP-010791	25.133	214		3.7.0	R99	Requirements and test parameters for UE measurements	approved	F	3.8.0	Requirements for support of radio resource management (FDD)	R4
RP-010791	25.133	215		4.2.0	Rel-4	Requirements and test parameters for UE measurements	approved	A	4.3.0	Requirements for support of radio resource management (FDD)	R4

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RP-010791	25.133	216		5.0.0	Rel-5	Requirements and test parameters for UE measurements	approved	A	5.1.0	Requirements for support of radio resource management (FDD)	R4
RP-010791	25.133	217		3.7.0	R99	Clarifications on requirements for reporting criteria per measurement category	approved	F	3.8.0	Requirements for support of radio resource management (FDD)	R4
RP-010791	25.133	218		4.2.0	Rel-4	Clarifications on requirements for reporting criteria per measurement category	approved	A	4.3.0	Requirements for support of radio resource management (FDD)	R4
RP-010791	25.133	219		5.0.0	Rel-5	Clarifications on requirements for reporting criteria per measurement category	approved	A	5.1.0	Requirements for support of radio resource management (FDD)	R4
RP-010791	25.133	220		3.7.0	R99	Inconsistent use of "sets of cells" with respect to definition of RRC specs.	approved	F	3.8.0	Requirements for support of radio resource management (FDD)	R4
RP-010791	25.133	221		4.2.0	Rel-4	Inconsistent use of "sets of cells" with respect to definition of RRC specs.	approved	A	4.3.0	Requirements for support of radio resource management (FDD)	R4
RP-010791	25.133	222		5.0.0	Rel-5	Inconsistent use of "sets of cells" with respect to definition of RRC specs.	approved	A	5.1.0	Requirements for support of radio resource management (FDD)	R4
RP-010792	25.133	223		3.7.0	R99	UE CPICH measurement capability for inter-frequency FDD.	approved	F	3.8.0	Requirements for support of radio resource management (FDD)	R4
RP-010792	25.133	224		4.2.0	Rel-4	UE CPICH measurement capability for inter-frequency FDD.	approved	A	4.3.0	Requirements for support of radio resource management (FDD)	R4
RP-010792	25.133	225		5.0.0	Rel-5	UE CPICH measurement capability for inter-frequency FDD.	approved	A	5.1.0	Requirements for support of radio resource management (FDD)	R4
RP-010792	25.133	226		3.7.0	R99	Definition of identification of a cell and SFN decoding	approved	F	3.8.0	Requirements for support of radio resource management (FDD)	R4
RP-010792	25.133	227		4.2.0	Rel-4	Definition of identification of a cell and SFN decoding	approved	A	4.3.0	Requirements for support of radio resource management (FDD)	R4
RP-010792	25.133	228		5.0.0	Rel-5	Definition of identification of a cell and SFN decoding	approved	A	5.1.0	Requirements for support of radio resource management (FDD)	R4
RP-010792	25.133	229		3.7.0	R99	CELL_FACH measurements for GSM	approved	F	3.8.0	Requirements for support of radio resource management (FDD)	R4
RP-010792	25.133	230		4.2.0	Rel-4	CELL_FACH measurements for GSM	approved	A	4.3.0	Requirements for support of radio resource management (FDD)	R4
RP-010792	25.133	231		5.0.0	Rel-5	CELL_FACH measurements for GSM	approved	A	5.1.0	Requirements for support of radio resource management (FDD)	R4
RP-010792	25.133	232		3.7.0	R99	CELL_DCH measurements for GSM	approved	F	3.8.0	Requirements for support of radio resource management (FDD)	R4
RP-010792	25.133	233		4.2.0	Rel-4	CELL_DCH measurements for GSM	approved	A	4.3.0	Requirements for support of radio resource management (FDD)	R4
RP-010792	25.133	234		5.0.0	Rel-5	CELL_DCH measurements for GSM	approved	A	5.1.0	Requirements for support of radio resource management (FDD)	R4
RP-010792	25.133	235		3.7.0	R99	Correction to the mapping of UE SFN-SFN observed time difference type 2	withdrawn	F	3.8.0	Requirements for support of radio resource management (FDD)	R4
RP-010792	25.133	236		3.7.0	R99	Correction to the mapping of UE and UTRAN GPS Timing of Cell Frames for UE positioning	approved	F	3.8.0	Requirements for support of radio resource management (FDD)	R4
RP-010787	25.133	237		4.2.0	Rel-4	SFN-SFN observed time difference measurement	approved	F	4.3.0	Requirements for support of radio resource management (FDD)	R4
RP-010787	25.133	238		5.0.0	Rel-5	SFN-SFN observed time difference measurement	approved	A	5.1.0	Requirements for support of radio resource management (FDD)	R4
RP-010789	25.133	239		5.0.0	Rel-5	UMTS 1800 band addition to TS 25.133v500	approved	B	5.1.0	Requirements for support of radio resource management (FDD)	R4

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RP-010790	25.133	240		5.0.0	Rel-5	Active set size limitation for dedicated pilot	approved	B	5.1.0	Requirements for support of radio resource management (FDD)	R4
RP-010913	25.133	241	-	3.7.0	R99	Correction to the mapping of UE Rx-Tx time difference type 2	approved	F	3.8.0	Requirements for support of radio resource management (FDD)	R4
RP-010913	25.133	242	-	4.2.0	Rel-4	Correction to the mapping of UE Rx-Tx time difference type 2	approved	A	4.3.0	Requirements for support of radio resource management (FDD)	R4
RP-010913	25.133	243	-	5.0.0	Rel-5	Correction to the mapping of UE Rx-Tx time difference type 2	approved	A	5.1.0	Requirements for support of radio resource management (FDD)	R4
RP-010783	25.141	117		3.7.0	R99	PCDE and TX diversity	approved	F	3.8.0	Base station conformance testing (FDD)	R4
RP-010783	25.141	118		4.2.0	Rel-4	PCDE and TX diversity	approved	A	4.3.0	Base station conformance testing (FDD)	R4
RP-010783	25.141	119		5.0.0	Rel-5	PCDE and TX diversity	approved	A	5.1.0	Base station conformance testing (FDD)	R4
RP-010783	25.141	120		3.7.0	R99	Corrections to Internal BER verification	approved	F	3.8.0	Base station conformance testing (FDD)	R4
RP-010783	25.141	121		4.2.0	Rel-4	Corrections to Internal BER verification	approved	A	4.3.0	Base station conformance testing (FDD)	R4
RP-010783	25.141	122		5.0.0	Rel-5	Corrections to Internal BER verification	approved	A	5.1.0	Base station conformance testing (FDD)	R4
RP-010783	25.141	123		3.7.0	R99	Corrections to Internal BLER verification	approved	F	3.8.0	Base station conformance testing (FDD)	R4
RP-010783	25.141	124		4.2.0	Rel-4	Corrections to Internal BLER verification	approved	A	4.3.0	Base station conformance testing (FDD)	R4
RP-010783	25.141	125		5.0.0	Rel-5	Corrections to Internal BLER verification	approved	A	5.1.0	Base station conformance testing (FDD)	R4
RP-010783	25.141	126		3.7.0	R99	Clarification of BMT definition for multicarrier test cases	approved	F	3.8.0	Base station conformance testing (FDD)	R4
RP-010783	25.141	127		4.2.0	Rel-4	Clarification of BMT definition for multicarrier test cases	approved	A	4.3.0	Base station conformance testing (FDD)	R4
RP-010783	25.141	128		5.0.0	Rel-5	Clarification of BMT definition for multicarrier test cases	approved	A	5.1.0	Base station conformance testing (FDD)	R4
RP-010783	25.141	129		3.7.0	R99	Correction of the definition of the PICH channel (test models)	approved	F	3.8.0	Base station conformance testing (FDD)	R4
RP-010783	25.141	130		4.2.0	Rel-4	Correction of the definition of the PICH channel (test models)	approved	A	4.3.0	Base station conformance testing (FDD)	R4
RP-010783	25.141	131		5.0.0	Rel-5	Correction of the definition of the PICH channel (test models)	approved	A	5.1.0	Base station conformance testing (FDD)	R4
RP-010783	25.141	132		3.7.0	R99	Correction to units and table references in Spectrum emission mask	approved	F	3.8.0	Base station conformance testing (FDD)	R4
RP-010783	25.141	133		4.2.0	Rel-4	Correction to units and table references in Spectrum emission mask	approved	A	4.3.0	Base station conformance testing (FDD)	R4
RP-010783	25.141	134		5.0.0	Rel-5	Correction to units and table references in Spectrum emission mask	approved	A	5.1.0	Base station conformance testing (FDD)	R4
RP-010783	25.141	135		3.7.0	R99	DPCH and S-CCPCH channel structure change to test models.	approved	F	3.8.0	Base station conformance testing (FDD)	R4
RP-010783	25.141	136		4.2.0	Rel-4	DPCH and S-CCPCH channel structure change to test models.	approved	A	4.3.0	Base station conformance testing (FDD)	R4
RP-010783	25.141	137		5.0.0	Rel-5	DPCH and S-CCPCH channel structure change to test models.	approved	A	5.1.0	Base station conformance testing (FDD)	R4
RP-010784	25.142	087		3.7.0	R99	BS Performance Requirements for 12.2 kbps, 64 kbps, 144 kbps and 384 kbps	approved	F	3.8.0	Base station conformance testing (TDD)	R4
RP-010784	25.142	088		4.2.0	Rel-4	BS Performance Requirements for 12.2 kbps, 64 kbps, 144 kbps and 384 kbps	approved	A	4.3.0	Base station conformance testing (TDD)	R4
RP-010735	25.201	007	-	3.1.0	R99	Removal of Slow Power Control and ODMA from TS 25.201	approved	F	3.2.0	Physical layer - general description	R1
RP-010735	25.201	008	-	4.0.0	Rel-4	Removal of Slow PowerControl and ODMA from TS 25.201	approved	A	4.1.0	Physical layer - general description	R1

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RP-010736	25.211	115	1	3.8.0	R99	Clarification of the pilot bits on CPCH message part and S-CCPCH	revised	F	3.9.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-010904	25.211	115	2	3.8.0	R99	Clarification of the pilot bits on CPCH message part and S-CCPCH	approved	F	3.9.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-010736	25.211	116	1	4.2.0	Rel-4	Clarification of the pilot bits on CPCH message part and S-CCPCH	revised	A	4.3.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-010904	25.211	116	2	4.2.0	Rel-4	Clarification of the pilot bits on CPCH message part and S-CCPCH	approved	A	4.3.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-010736	25.211	122	-	3.8.0	R99	Addition of pilot bit patterns table of downlink DPCCH for antenna 2 using closed loop mode 1	approved	F	3.9.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-010736	25.211	123	-	4.2.0	Rel-4	Addition of pilot bit patterns table of downlink DPCCH for antenna 2 using closed loop mode 1	approved	A	4.3.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-010736	25.211	124	-	3.8.0	R99	Slot format for the CPCH	approved	F	3.9.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-010736	25.211	125	-	4.2.0	Rel-4	Slot format for the CPCH	approved	A	4.3.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-010736	25.211	126	1	3.8.0	R99	Clarification of Tx diversity with PDSCH, AP-AICH, CD/CA-ICH and DL-DPCCH associated to CPCH	approved	F	3.9.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-010736	25.211	127	1	4.2.0	Rel-4	Clarification of Tx diversity with PDSCH, AP-AICH, CD/CA-ICH and DL-DPCCH associated to CPCH	approved	A	4.3.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-010736	25.211	128	1	3.8.0	R99	Interaction between DSCH scheduling and phase reference modification	approved	F	3.9.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-010736	25.211	129	1	4.2.0	Rel-4	Interaction between DSCH scheduling and phase reference modification	approved	A	4.3.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-010736	25.211	130	-	3.8.0	R99	Support of multiple CCTrChs of dedicated type	approved	F	3.9.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-010736	25.211	131	-	4.2.0	Rel-4	Support of multiple CCTrChs of dedicated type	approved	A	4.3.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-010736	25.211	132	-	3.8.0	R99	Removal of Slow Power Control from TS 25.211	approved	F	3.9.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-010736	25.211	133	-	4.2.0	Rel-4	Removal of Slow Power Control from TS 25.211	approved	A	4.3.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1

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RP-010932	25.211	134	-	3.8.0	R99	Restriction to simultaneous use of SSDT and closed loop mode TX diversity	approved	F	3.9.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-010932	25.211	135	-	4.2.0	Rel-4	Restriction to simultaneous use of SSDT and closed loop mode TX diversity	approved	A	4.3.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-010737	25.212	117	-	3.7.0	R99	Clarification of compressed mode	approved	F	3.8.0	Multiplexing and channel coding (FDD)	R1
RP-010737	25.212	118	-	4.2.0	Rel-4	Clarification of compressed mode	approved	A	4.3.0	Multiplexing and channel coding (FDD)	R1
RP-010737	25.212	121	-	3.7.0	R99	Support of multiple CCTrChs of dedicated type	approved	F	3.8.0	Multiplexing and channel coding (FDD)	R1
RP-010737	25.212	122	-	4.2.0	Rel-4	Support of multiple CCTrChs of dedicated type	approved	A	4.3.0	Multiplexing and channel coding (FDD)	R1
RP-010738	25.213	046	-	3.6.0	R99	Correction of section number reference	approved	F	3.7.0	Spreading and modulation (FDD)	R1
RP-010738	25.213	047	-	4.1.0	Rel-4	Correction of section number reference	approved	A	4.2.0	Spreading and modulation (FDD)	R1
RP-010739	25.214	206	1	3.8.0	R99	Power control in compressed mode when DPC_MODE=1	approved	F	3.9.0	Physical layer procedures (FDD)	R1
RP-010739	25.214	207	1	4.2.0	Rel-4	Power control in compressed mode when DPC_MODE=1	approved	A	4.3.0	Physical layer procedures (FDD)	R1
RP-010739	25.214	208	-	3.8.0	R99	Clarification of closed loop mode 1 and 2 Tx diversity operation during compressed mode	approved	F	3.9.0	Physical layer procedures (FDD)	R1
RP-010739	25.214	209	-	4.2.0	Rel-4	Clarification of closed loop mode 1 and 2 Tx diversity operation during compressed mode	approved	A	4.3.0	Physical layer procedures (FDD)	R1
RP-010739	25.214	210	-	3.8.0	R99	Downlink phase reference reconfiguration	approved	F	3.9.0	Physical layer procedures (FDD)	R1
RP-010739	25.214	211	-	4.2.0	Rel-4	Downlink phase reference reconfiguration	approved	A	4.3.0	Physical layer procedures (FDD)	R1
RP-010775	25.214	215	1	3.8.0	R99	Uplink TPC Command Processing in SHO with SSDT	approved	F	3.9.0	Physical layer procedures (FDD)	R1
RP-010775	25.214	216	-	4.2.0	Rel-4	Uplink TPC Command Processing in SHO with SSDT	approved	A	4.3.0	Physical layer procedures (FDD)	R1
RP-010744	25.214	217	2	4.2.0	Rel-4	DSCH power control clarification	approved	F	4.3.0	Physical layer procedures (FDD)	R1
RP-010739	25.214	218	1	3.8.0	R99	Downlink power control for channels supporting CPCH	approved	F	3.9.0	Physical layer procedures (FDD)	R1
RP-010739	25.214	219	1	4.2.0	Rel-4	Downlink power control for channels supporting CPCH	approved	A	4.3.0	Physical layer procedures (FDD)	R1
RP-010739	25.214	222	-	3.8.0	R99	Removal of Slow Power Control from TS 25.214	approved	F	3.9.0	Physical layer procedures (FDD)	R1
RP-010739	25.214	223	-	4.2.0	Rel-4	Removal of Slow Power Control from TS 25.214	approved	A	4.3.0	Physical layer procedures (FDD)	R1
RP-010933	25.214	228	-	3.8.0	R99	Restriction to SSDT and closed loop mode transmit diversity combination	approved	F	3.9.0	Physical layer procedures (FDD)	R1
RP-010933	25.214	229	-	4.2.0	Rel-4	Restriction to SSDT and closed loop mode transmit diversity combination	approved	A	4.3.0	Physical layer procedures (FDD)	R1
RP-010740	25.215	097	-	3.8.0	R99	Clarification of internal measurements	approved	F	3.9.0	Physical layer; Measurements (FDD)	R1
RP-010740	25.215	098	-	4.2.0	Rel-4	Clarification of internal measurements	approved	A	4.3.0	Physical layer; Measurements (FDD)	R1
RP-010745	25.215	099	2	4.2.0	Rel-4	UE GPS Code Phase Measurement	approved	F	4.3.0	Physical layer; Measurements (FDD)	R1
RP-010740	25.215	100	1	3.8.0	R99	Correction to the definitions of UE and UTRAN GPS timing of cell frames for UE positioning	postponed	F	3.9.0	Physical layer; Measurements (FDD)	R1
RP-010740	25.215	101	1	4.2.0	Rel-4	Correction to the definitions of UE and UTRAN GPS timing of cell frames for UE positioning	postponed	A	4.3.0	Physical layer; Measurements (FDD)	R1
RP-010740	25.215	102	-	3.8.0	R99	Clarification of P-CCPCH RSCP in 25.215	approved	F	3.9.0	Physical layer; Measurements (FDD)	R1
RP-010740	25.215	103	-	4.2.0	Rel-4	Clarification of P-CCPCH RSCP in 25.215	approved	A	4.3.0	Physical layer; Measurements (FDD)	R1
RP-010740	25.215	104	-	3.8.0	R99	Revised definitions of CPICH Ec/No and UTRA carrier RSSI	approved	F	3.9.0	Physical layer; Measurements (FDD)	R1
RP-010740	25.215	105	-	4.2.0	Rel-4	Revised definitions of CPICH Ec/No and UTRA carrier RSSI	approved	A	4.3.0	Physical layer; Measurements (FDD)	R1
RP-010745	25.215	106	1	4.2.0	Rel-4	UTRAN SFN-SFN observed time difference measurement	approved	F	4.3.0	Physical layer; Measurements (FDD)	R1

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RP-010746	25.221	059	-	4.2.0	Rel-4	Bit Scrambling for 1.28 Mcps TDD	approved	F	4.3.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-010741	25.221	064	1	3.8.0	R99	Transmit Diversity for P-CCPCH and PICH	approved	F	3.9.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-010741	25.221	065	1	4.2.0	Rel-4	Transmit Diversity for P-CCPCH and PICH	approved	A	4.3.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-010741	25.221	066	-	3.8.0	R99	Clarification of midamble transmit power in TS25.221	approved	F	3.9.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-010741	25.221	067	-	4.2.0	Rel-4	Clarification of midamble transmit power in TS25.221	approved	A	4.3.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-010746	25.221	068	-	4.2.0	Rel-4	Transmit Diversity for P-CCPCH and PICH	approved	F	4.3.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-010746	25.221	069	-	4.2.0	Rel-4	Corrections of reference numbers in TS 25.221	approved	F	4.3.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-010747	25.222	059	-	4.1.0	Rel-4	Bit Scrambling for TDD	approved	F	4.2.0	Multiplexing and channel coding (TDD)	R1
RP-010747	25.222	061	-	4.1.0	Rel-4	Corrections in clause 4.1 and 4.2 of TS 25.222	approved	F	4.2.0	Multiplexing and channel coding (TDD)	R1
RP-010748	25.223	023	-	4.2.0	Rel-4	A correction of Figure 7 in subclause 7.7.2 of TS 25.223	approved	F	4.3.0	Spreading and modulation (TDD)	R1
RP-010742	25.224	065	-	3.8.0	R99	Removal of the remark on power control	approved	F	3.9.0	Physical layer procedures (TDD)	R1
RP-010742	25.224	066	-	4.2.0	Rel-4	Removal of the remark on power control	approved	A	4.3.0	Physical layer procedures (TDD)	R1
RP-010742	25.224	067	1	3.8.0	R99	Transmit Diversity for P-CCPCH and PICH	approved	F	3.9.0	Physical layer procedures (TDD)	R1
RP-010742	25.224	068	1	4.2.0	Rel-4	Transmit Diversity for P-CCPCH and PICH	approved	A	4.3.0	Physical layer procedures (TDD)	R1
RP-010742	25.224	069	1	3.8.0	R99	Correction to Random access procedure (Primitive from MAC)	approved	F	3.9.0	Physical layer procedures (TDD)	R1
RP-010742	25.224	070	1	4.2.0	Rel-4	Correction to Random access procedure (Primitive from MAC)	approved	A	4.3.0	Physical layer procedures (TDD)	R1
RP-010749	25.224	073	1	4.2.0	Rel-4	Random access procedure for 1.28Mcps TDD	approved	F	4.3.0	Physical layer procedures (TDD)	R1
RP-010749	25.224	074	-	4.2.0	Rel-4	Transmit Diversity for P-CCPCH and PICH	approved	F	4.3.0	Physical layer procedures (TDD)	R1
RP-010749	25.224	075	-	4.2.0	Rel-4	Correction of Annex A.3 in 25.224	approved	F	4.3.0	Physical layer procedures (TDD)	R1
RP-010749	25.224	076	-	4.2.0	Rel-4	Removal of the remark on power contro	approved	F	4.3.0	Physical layer procedures (TDD)	R1
RP-010749	25.224	077	-	4.2.0	Rel-4	Corrections to DL-PC sections for 1.28 Mcps TDD	approved	F	4.3.0	Physical layer procedures (TDD)	R1
RP-010743	25.225	035	1	3.8.0	R99	Removal of references to Block STTD	approved	F	3.9.0	Physical layer; Measurements (TDD)	R1
RP-010743	25.225	036	1	4.2.0	Rel-4	Removal of references to Block STTD	approved	A	4.3.0	Physical layer; Measurements (TDD)	R1
RP-010750	25.225	038	1	4.2.0	Rel-4	Introduction of new "UE GPS code phase" measurement	approved	F	4.3.0	Physical layer; Measurements (TDD)	R1
RP-010743	25.225	039	-	3.8.0	R99	Correction of measurement definition for UTRA Carrier RSSI and CPICH_Ec/No	approved	F	3.9.0	Physical layer; Measurements (TDD)	R1
RP-010743	25.225	040	-	4.2.0	Rel-4	Correction of measurement definition for UTRA Carrier RSSI and CPICH_Ec/No	approved	A	4.3.0	Physical layer; Measurements (TDD)	R1
RP-010750	25.225	042	-	4.2.0	Rel-4	Corrections in annex A.2 in TS 25.225	approved	F	4.3.0	Physical layer; Measurements (TDD)	R1
RP-010753	25.301	057		3.8.0	R99	Removal of Tr mode DCCH from R99 only	approved	F	3.9.0	Radio Interface Protocol Architecture	R2
RP-010753	25.301	058		3.8.0	R99	Clean up of RLC function	approved	F	3.9.0	Radio Interface Protocol Architecture	R2

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RP-010753	25.301	059		4.1.0	Rel-4	Clean up of RLC function	approved	A	4.2.0	Radio Interface Protocol Architecture	R2
RP-010753	25.301	060		3.8.0	R99	Correction on transport channel numbering	approved	F	3.9.0	Radio Interface Protocol Architecture	R2
RP-010753	25.301	061		4.1.0	Rel-4	Correction on transport channel numbering	approved	A	4.2.0	Radio Interface Protocol Architecture	R2
RP-010754	25.302	115		3.10.0	R99	Correction of control primitive parameter (CPHY-Out-of-Sync-Config)	approved	F	3.11.0	Services provided by the physical layer	R2
RP-010754	25.302	116		4.2.0	Rel-4	Correction of control primitive parameter (CPHY-Out-of-Sync-Config)	approved	A	4.3.0	Services provided by the physical layer	R2
RP-010769	25.302	117		4.2.0	Rel-4	UTRAN SFN-SFN observed time difference measurement	approved	F	4.3.0	Services provided by the physical layer	R2
RP-010755	25.303	058		3.9.0	R99	Correction to RNTI in cell-update and URA-update procedures	approved	F	3.10.0	Interlayer procedures in Connected Mode	R2
RP-010755	25.303	059		4.2.0	Rel-4	Correction to RNTI in cell-update and URA-update procedures	approved	A	4.3.0	Interlayer procedures in Connected Mode	R2
RP-010755	25.303	060		3.9.0	R99	HFN transfer between network nodes in SRNS relocation	approved	F	3.10.0	Interlayer procedures in Connected Mode	R2
RP-010755	25.303	061		4.2.0	Rel-4	HFN transfer between network nodes in SRNS relocation	approved	A	4.3.0	Interlayer procedures in Connected Mode	R2
RP-010755	25.303	062		3.9.0	R99	Removal of Tr mode DCCH from R99 only	approved	F	3.10.0	Interlayer procedures in Connected Mode	R2
RP-010756	25.304	091		3.8.0	R99	Correction on DRX cycle length in connected mode	approved	F	3.9.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-010756	25.304	092		4.2.0	Rel-4	Correction on DRX cycle length in connected mode	approved	A	4.3.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-010756	25.304	093	1	3.8.0	R99	Correction to definition of 'available' PLMN	approved	F	3.9.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-010756	25.304	094		4.2.0	Rel-4	Correction to definition of 'available' PLMN	approved	A	4.3.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-010770	25.305	061		4.1.0	Rel-4	Correction of RTD usage in TDD	approved	F	4.2.0	Stage 2 functional specification of UE positioning in UTRAN	R2
RP-010770	25.305	062		5.2.0	Rel-5	Correction of RTD usage in TDD	approved	A	5.3.0	Stage 2 functional specification of UE positioning in UTRAN	R2
RP-010757	25.305	063		3.6.0	R99	Correction of broadcast of assistance data	approved	F	3.7.0	Stage 2 functional specification of UE positioning in UTRAN	R2
RP-010757	25.305	064		4.1.0	Rel-4	Correction of broadcast of assistance data	approved	A	4.2.0	Stage 2 functional specification of UE positioning in UTRAN	R2
RP-010757	25.305	065		5.2.0	Rel-5	Correction of broadcast of assistance data	approved	A	5.3.0	Stage 2 functional specification of UE positioning in UTRAN	R2
RP-010757	25.305	070	1	3.6.0	R99	Migration of Descriptive Text from TS 25.331	approved	F	3.7.0	Stage 2 functional specification of UE positioning in UTRAN	R2
RP-010757	25.305	071		4.1.0	Rel-4	Migration of Descriptive Text from TS 25.331	approved	A	4.2.0	Stage 2 functional specification of UE positioning in UTRAN	R2
RP-010757	25.305	072		5.2.0	Rel-5	Migration of Descriptive Text from TS 25.331	approved	A	5.3.0	Stage 2 functional specification of UE positioning in UTRAN	R2
RP-010758	25.306	025		3.3.0	R99	Correction on UL parameter "Maximum number of DPDCH bits per 10 ms"	approved	F	3.4.0	UE Radio Access capabilities definition	R2
RP-010758	25.306	026		4.2.0	Rel-4	Correction on UL parameter "Maximum number of DPDCH bits per 10 ms"	approved	A	4.3.0	UE Radio Access capabilities definition	R2

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RP-010759	25.307	002		3.0.0	R99	Inclusion of release independent RF related information	approved	F	3.1.0	Requirements on UEs supporting a release-independent frequency band	R2
RP-010759	25.307	003		4.0.0	Rel-4	Inclusion of release independent RF related information	approved	A	4.1.0	Requirements on UEs supporting a release-independent frequency band	R2
RP-010774	25.308	001		5.0.0	Rel-5	Update on HSDPA	approved	F	5.1.0	UTRA High Speed Downlink Packet Access (HSPDA); Overall description; Stage 2	R2
RP-010760	25.321	090	2	3.9.0	R99	Cautionary Note for Interfrequency Measurements in Cell-FACH	approved	F	3.10.0	Medium Access Control (MAC) protocol specification	R2
RP-010760	25.321	091	1	4.2.0	Rel-4	Cautionary Note for Interfrequency Measurements in Cell-FACH	approved	A	4.3.0	Medium Access Control (MAC) protocol specification	R2
RP-010760	25.321	094		3.9.0	R99	Correction on Control of RACH Transmissions	approved	F	3.10.0	Medium Access Control (MAC) protocol specification	R2
RP-010760	25.321	095		4.2.0	Rel-4	Correction on Control of RACH Transmissions	approved	A	4.3.0	Medium Access Control (MAC) protocol specification	R2
RP-010760	25.321	096	1	3.9.0	R99	Correction on Traffic Volume Control	approved	F	3.10.0	Medium Access Control (MAC) protocol specification	R2
RP-010760	25.321	097		4.2.0	Rel-4	Correction on Traffic Volume Control	approved	A	4.3.0	Medium Access Control (MAC) protocol specification	R2
RP-010760	25.321	098		3.9.0	R99	General correction on Access Service Class selection	approved	F	3.10.0	Medium Access Control (MAC) protocol specification	R2
RP-010760	25.321	099		4.2.0	Rel-4	General correction on Access Service Class selection	approved	A	4.3.0	Medium Access Control (MAC) protocol specification	R2
RP-010760	25.321	100		3.9.0	R99	TFC selection in compressed mode	approved	F	3.10.0	Medium Access Control (MAC) protocol specification	R2
RP-010760	25.321	101		4.2.0	Rel-4	TFC selection in compressed mode	approved	A	4.3.0	Medium Access Control (MAC) protocol specification	R2
RP-010761	25.322	151	1	3.8.0	R99	General clarifications	approved	F	3.9.0	Radio Link Control (RLC) protocol specification	R2
RP-010761	25.322	152		4.2.0	Rel-4	General clarifications	approved	A	4.3.0	Radio Link Control (RLC) protocol specification	R2
RP-010761	25.322	155	1	3.8.0	R99	Send state variable for Timer_Poll and window based polling	approved	F	3.9.0	Radio Link Control (RLC) protocol specification	R2
RP-010761	25.322	156		4.2.0	Rel-4	Send state variable for Timer_Poll and window based polling	approved	A	4.3.0	Radio Link Control (RLC) protocol specification	R2
RP-010761	25.322	157	1	3.8.0	R99	Unexpected data interruption during transmission scheduling	approved	F	3.9.0	Radio Link Control (RLC) protocol specification	R2
RP-010761	25.322	158		4.2.0	Rel-4	Unexpected data interruption during transmission scheduling	approved	A	4.3.0	Radio Link Control (RLC) protocol specification	R2
RP-010761	25.322	159	1	3.8.0	R99	Content of retransmitted RESET ACK PDU	approved	F	3.9.0	Radio Link Control (RLC) protocol specification	R2
RP-010771	25.322	160		4.2.0	Rel-4	Content of retransmitted RESET ACK PDU	approved	F	4.3.0	Radio Link Control (RLC) protocol specification	R2
RP-010761	25.322	161	1	3.8.0	R99	UE-ID Type Indicator	approved	F	3.9.0	Radio Link Control (RLC) protocol specification	R2
RP-010761	25.322	162		4.2.0	Rel-4	UE-ID Type Indicator	approved	A	4.3.0	Radio Link Control (RLC) protocol specification	R2

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RP-010761	25.322	163	1	3.8.0	R99	Removal of obsolete Send MRW option	approved	F	3.9.0	Radio Link Control (RLC) protocol specification	R2
RP-010761	25.322	164		4.2.0	Rel-4	Removal of obsolete Send MRW option	approved	A	4.3.0	Radio Link Control (RLC) protocol specification	R2
RP-010771	25.322	166		4.2.0	Rel-4	Usage of UM RLC Special Length Indicator	approved	F	4.3.0	Radio Link Control (RLC) protocol specification	R2
RP-010761	25.322	167		3.8.0	R99	Removal of Tr mode DCCH from R99 only	approved	F	3.9.0	Radio Link Control (RLC) protocol specification	R2
RP-010771	25.322	170		4.2.0	Rel-4	Indication of SDU transmission result	approved	F	4.3.0	Radio Link Control (RLC) protocol specification	R2
RP-010762	25.323	037	1	3.6.0	R99	General PDCP corrections	approved	F	3.7.0	Packet Data Convergence Protocol (PDCP) specification	R2
RP-010762	25.323	038		4.2.0	Rel-4	General PDCP corrections	approved	A	4.3.0	Packet Data Convergence Protocol (PDCP) specification	R2
RP-010772	25.323	039		4.2.0	Rel-4	Management of Full Header transmission	approved	F	4.3.0	Packet Data Convergence Protocol (PDCP) specification	R2
RP-010763	25.331	1087	1	3.8.0	R99	Corrections to RRC information containers	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010763	25.331	1088		4.2.1	Rel-4	Corrections to RRC information containers	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010763	25.331	1089		3.8.0	R99	Removal of Block SSTD	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010763	25.331	1090		4.2.1	Rel-4	Removal of Block SSTD	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010773	25.331	1096		4.2.1	Rel-4	Usage of UM RLC Special Length Indicator	approved	F	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010763	25.331	1097		3.8.0	R99	COUNT-C-SFN frame difference measurement	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010763	25.331	1098		4.2.1	Rel-4	COUNT-C-SFN frame difference measurement	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010763	25.331	1099	1	3.8.0	R99	Trigger for deletion of ciphering and integrity keys	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010763	25.331	1100		4.2.1	Rel-4	Trigger for deletion of ciphering and integrity keys	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010763	25.331	1101	1	3.8.0	R99	Correction to P_compensation calculation for GSM neighbour cells	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010763	25.331	1102		4.2.1	Rel-4	Correction to P_compensation calculation for GSM neighbour cells	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010763	25.331	1103		3.8.0	R99	Preconfigurations in case of equivalent PLMNs	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010763	25.331	1104		4.2.1	Rel-4	Preconfigurations in case of equivalent PLMNs	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010763	25.331	1108	1	3.8.0	R99	Handling of DRX cycle and U-RNTI in RRC connection setup and handling of TrCH information	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010763	25.331	1109		4.2.1	Rel-4	Handling of DRX cycle and U-RNTI in RRC connection setup and handling of TrCH information	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010763	25.331	1110	1	3.8.0	R99	Correction to Information Element names	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2

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RP-010763	25.331	1111		4.2.1	Rel-4	Correction to Information Element names	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010763	25.331	1112		3.8.0	R99	Correction of Description of IE "SSDT Information"	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010763	25.331	1113		4.2.1	Rel-4	Correction of Description of IE "SSDT Information"	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010763	25.331	1114	2	3.8.0	R99	Clarification on Cell Identity and correction to reference to BAND_INDICATOR	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010763	25.331	1115		4.2.1	Rel-4	Clarification on Cell Identity and correction to reference to BAND_INDICATOR	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010764	25.331	1116		3.8.0	R99	Clarification to Measured Results on RACH and Measurement Events	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010764	25.331	1117		4.2.1	Rel-4	Clarification to Measured Results on RACH and Measurement Events	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010764	25.331	1118		3.8.0	R99	Inconsistency between ASN.1 and tabular wrt. RPLMN information	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010764	25.331	1119		4.2.1	Rel-4	Inconsistency between ASN.1 and tabular wrt. RPLMN information	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010773	25.331	1120		4.2.1	Rel-4	Corrections to REL-4 LCR Tabular Description and ASN1 Code	approved	F	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010764	25.331	1123	1	3.8.0	R99	General clarification on Establishment of Access Service Classes	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010764	25.331	1124		4.2.1	Rel-4	General clarification on Establishment of Access Service Classes	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010764	25.331	1125		3.8.0	R99	Clarification on TX diversity indicator IE and STTD indicator IE	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010764	25.331	1126		4.2.1	Rel-4	Clarification on TX diversity indicator IE and STTD indicator IE	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010764	25.331	1130		3.8.0	R99	Removal of Tr mode DCCH from R99 only	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010764	25.331	1131	1	3.8.0	R99	Different diversity modes used in the same active set	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010764	25.331	1132		4.2.1	Rel-4	Different diversity modes used in the same active set	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010764	25.331	1133	1	3.8.0	R99	Issues regarding signalling connection establishment and RRC connection release	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010764	25.331	1134		4.2.1	Rel-4	Issues regarding signalling connection establishment and RRC connection release	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010764	25.331	1135		3.8.0	R99	Presence of AC to ASC mapping in SIB5 and SIB6	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010764	25.331	1136		4.2.1	Rel-4	Presence of AC to ASC mapping in SIB5 and SIB6	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010764	25.331	1137		3.8.0	R99	RRC establishment cause at inter-RAT cell change order to UTRAN	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010764	25.331	1138		4.2.1	Rel-4	RRC establishment cause at inter-RAT cell change order to UTRAN	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010764	25.331	1141		3.8.0	R99	Start of timers at radio link failure	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2

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RP-010764	25.331	1142		4.2.1	Rel-4	Start of timers at radio link failure	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010765	25.331	1143	1	3.8.0	R99	Handling of the number of FBI bits sent in Uplink DPCH info	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010765	25.331	1144		4.2.1	Rel-4	Handling of the number of FBI bits sent in Uplink DPCH info	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010765	25.331	1145		3.8.0	R99	Bit string order when using PER	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010765	25.331	1146		4.2.1	Rel-4	Bit string order when using PER	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010765	25.331	1147		3.8.0	R99	Clarification on DRX cycle length in connected mode	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010765	25.331	1148		4.2.1	Rel-4	Clarification on DRX cycle length in connected mode	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010765	25.331	1151	1	3.8.0	R99	Correction to error condition on downlink information for each radio link	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010765	25.331	1152		4.2.1	Rel-4	Correction to error condition on downlink information for each radio link	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010765	25.331	1153	1	3.8.0	R99	Correction of inconsistencies between tabular and ASN.1	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010765	25.331	1154		4.2.1	Rel-4	Correction of inconsistencies between tabular and ASN.1	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010765	25.331	1155	1	3.8.0	R99	Measurement related corrections	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010765	25.331	1156		4.2.1	Rel-4	Measurement related corrections	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010765	25.331	1157		3.8.0	R99	Inconsistency between hard-coded preconfigurations parameters and procedure text	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010765	25.331	1158		4.2.1	Rel-4	Inconsistency between hard-coded preconfigurations parameters and procedure text	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010765	25.331	1165		3.8.0	R99	PLMN search in CELL_PCH/URA_PCH states with 80ms DRX cycle	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010765	25.331	1166		4.2.1	Rel-4	PLMN search in CELL_PCH/URA_PCH states with 80ms DRX cycle	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010765	25.331	1167		3.8.0	R99	Correction to CFN calculation for FDD	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010765	25.331	1168		4.2.1	Rel-4	Correction to CFN calculation for FDD	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010765	25.331	1169		3.8.0	R99	Correction to radio bearer control	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010765	25.331	1170		4.2.1	Rel-4	Correction to radio bearer control	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010766	25.331	1171	1	3.8.0	R99	Handling of IE "frequency info"	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010766	25.331	1172		4.2.1	Rel-4	Handling of IE "frequency info"	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010766	25.331	1173	1	3.8.0	R99	Correction to Radio Bearer Release	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2

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RP-010766	25.331	1174		4.2.1	Rel-4	Correction to Radio Bearer Release	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010766	25.331	1177	1	3.8.0	R99	Correction to RACH reporting	revised	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010939	25.331	1177	2	3.8.0	R99	Correction to RACH reporting	revised	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010940	25.331	1177	3	3.8.0	R99	Correction to RACH reporting	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010766	25.331	1178		4.2.1	Rel-4	Correction to RACH reporting	revised	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010940	25.331	1178	1	4.2.1	Rel-4	Correction to RACH reporting	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010766	25.331	1179		3.8.0	R99	Correction to URA/Cell update and other minor corrections	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010766	25.331	1180		4.2.1	Rel-4	Correction to URA/Cell update and other minor corrections	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010766	25.331	1181	1	3.8.0	R99	Correction to Active Set Update	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010766	25.331	1182		4.2.1	Rel-4	Correction to Active Set Update	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010766	25.331	1183	1	3.8.0	R99	Correction of Traffic Volume Measurement Criteria	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010766	25.331	1184		4.2.1	Rel-4	Correction of Traffic Volume Measurement Criteria	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010766	25.331	1185	3	3.8.0	R99	Correction of UE Positioning	revised	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010941	25.331	1185	4	3.8.0	R99	Correction of UE positioning	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010766	25.331	1186		4.2.1	Rel-4	Correction of UE Positioning	revised	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010941	25.331	1186	1	4.2.1	Rel-4	Correction of UE positioning	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010773	25.331	1199		4.2.1	Rel-4	Correction of FPACH parameter definition for 1.28Mcps TDD	approved	F	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010773	25.331	1200		4.2.1	Rel-4	Correction of 1.28Mcps TDD	approved	F	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010773	25.331	1201		4.2.1	Rel-4	Correction and Clarification to Open Loop Power Control in 1.28 Mcps TDD	approved	F	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010766	25.331	1202	1	3.8.0	R99	Invalid RRC CONNECTION REJECT	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010766	25.331	1203		4.2.1	Rel-4	Invalid RRC CONNECTION REJECT	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010773	25.331	1206		4.2.1	Rel-4	Extensions of IE value ranges in tabular	approved	F	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010766	25.331	1213	1	3.8.0	R99	Security baseline for corrections	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010766	25.331	1214		4.2.1	Rel-4	Security baseline for corrections	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2

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RP-010766	25.331	1219		3.8.0	R99	Pending integrity protection activation time for UL RB0	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010766	25.331	1220		4.2.1	Rel-4	Pending integrity protection activation time for UL RB0	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010767	25.331	1221		3.8.0	R99	Correction of rate matching restriction function	approved	F	3.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-010767	25.331	1222		4.2.1	Rel-4	Correction of rate matching restriction function	approved	A	4.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-010869	25.402	028		4.2.0	Rel-4	Text amendments for TDD Node B synchronisation	approved	F	4.3.0	Synchronisation in UTRAN Stage 2	R3
RP-010846	25.402	029	2	3.7.0	R99	CFN Calculation for UE	approved	F	3.8.0	Synchronisation in UTRAN Stage 2	R3
RP-010846	25.402	030	2	4.2.0	Rel-4	CFN Calculation for UE	approved	A	4.3.0	Synchronisation in UTRAN Stage 2	R3
RP-010847	25.410	023	1	3.5.0	R99	SS7 point codes over Iu-cs	approved	F	3.6.0	UTRAN Iu Interface: General Aspects and Principles	R3
RP-010847	25.410	024		4.2.0	Rel-4	SS7 point codes over Iu-cs	approved	A	4.3.0	UTRAN Iu Interface: General Aspects and Principles	R3
RP-010847	25.410	025	1	3.5.0	R99	Iu-BC Connectivity CRx on TS 25.410 v3.5.0	approved	F	3.6.0	UTRAN Iu Interface: General Aspects and Principles	R3
RP-010847	25.410	026	1	4.2.0	Rel-4	Iu-BC Connectivity	approved	A	4.3.0	UTRAN Iu Interface: General Aspects and Principles	R3
RP-010847	25.410	027		3.5.0	R99	SCCP Connection Release Initiated by RNC in Abnormal case	approved	F	3.6.0	UTRAN Iu Interface: General Aspects and Principles	R3
RP-010847	25.410	028		4.2.0	Rel-4	SCCP Connection Release Initiated by RNC in Abnormal case	approved	A	4.3.0	UTRAN Iu Interface: General Aspects and Principles	R3
RP-010870	25.410	029		4.2.0	Rel-4	Confusing use of “per CN Domain”	approved	F	4.3.0	UTRAN Iu Interface: General Aspects and Principles	R3
RP-010847	25.410	030	1	3.5.0	R99	Addition of "Specification Notations" Section	approved	F	3.6.0	UTRAN Iu Interface: General Aspects and Principles	R3
RP-010847	25.410	031	1	4.2.0	Rel-4	Addition of "Specification Notations" Section	approved	A	4.3.0	UTRAN Iu Interface: General Aspects and Principles	R3
RP-010848	25.413	360		3.7.0	R99	CR on Traffic Handling Priority range	approved	F	3.8.0	UTRAN Iu interface RANAP signalling	R3
RP-010848	25.413	361	2	4.2.0	Rel-4	CR on Traffic Handling Priority range	revised	A	4.3.0	UTRAN Iu interface RANAP signalling	R3
RP-010895	25.413	361	3	4.2.0	Rel-4	CR on Priority range	approved	A	4.3.0	UTRAN Iu interface RANAP signalling	R3
RP-010871	25.413	363	1	4.2.0	Rel-4	Cause value for not accepted relocation request	approved	B	4.3.0	UTRAN Iu interface RANAP signalling	R3
RP-010848	25.413	364		3.7.0	R99	Bitstrings ordering	approved	F	3.8.0	UTRAN Iu interface RANAP signalling	R3
RP-010848	25.413	365		4.2.0	Rel-4	Bitstrings ordering	approved	A	4.3.0	UTRAN Iu interface RANAP signalling	R3
RP-010871	25.413	367	1	4.2.0	Rel-4	Correction to Release 4 additions in Iu to support new positioning methods	approved	F	4.3.0	UTRAN Iu interface RANAP signalling	R3
RP-010848	25.413	368	2	3.7.0	R99	UP Versions not supported	approved	F	3.8.0	UTRAN Iu interface RANAP signalling	R3
RP-010848	25.413	369	2	4.2.0	Rel-4	UP Versions not supported	approved	A	4.3.0	UTRAN Iu interface RANAP signalling	R3
RP-010848	25.413	370	1	3.7.0	R99	Location Report Area	approved	F	3.8.0	UTRAN Iu interface RANAP signalling	R3
RP-010848	25.413	371	1	4.2.0	Rel-4	Location Report Area	approved	A	4.3.0	UTRAN Iu interface RANAP signalling	R3
RP-010871	25.413	372		4.2.0	Rel-4	Chapter A.2.1 (EXAMPLE MESSAGE Layout) missing in version 4.2.0	approved	F	4.3.0	UTRAN Iu interface RANAP signalling	R3
RP-010871	25.413	373	1	4.2.0	Rel-4	N-to-M relation between CN and UTRAN impacts on CN initiated Reset Resource procedure	approved	F	4.3.0	UTRAN Iu interface RANAP signalling	R3
RP-010871	25.413	374		4.2.0	Rel-4	Stop Direct Report	approved	B	4.3.0	UTRAN Iu interface RANAP signalling	R3
RP-010848	25.413	377	1	3.7.0	R99	Reason for LOCATION REPORT message is not clear	approved	F	3.8.0	UTRAN Iu interface RANAP signalling	R3

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RP-010848	25.413	378	1	4.2.0	Rel-4	Reason for LOCATION REPORT message is not clear	approved	A	4.3.0	UTRAN Iu interface RANAP signalling	R3
RP-010848	25.413	379	1	3.7.0	R99	Corrections to RRC information containers	approved	F	3.8.0	UTRAN Iu interface RANAP signalling	R3
RP-010848	25.413	380	1	4.2.0	Rel-4	Corrections to RRC information containers	approved	A	4.3.0	UTRAN Iu interface RANAP signalling	R3
RP-010848	25.413	382		3.7.0	R99	Procedure Code Criticality in Error Indication	approved	F	3.8.0	UTRAN Iu interface RANAP signalling	R3
RP-010848	25.413	383		4.2.0	Rel-4	Procedure Code Criticality in Error Indication	approved	A	4.3.0	UTRAN Iu interface RANAP signalling	R3
RP-010871	25.413	384	1	4.2.0	Rel-4	MCC implementation CR for corrections to Release 4 additions in Iu to support new positioning methods.	approved	F	4.3.0	UTRAN Iu interface RANAP signalling	R3
RP-010848	25.413	385	2	3.7.0	R99	Addition of amendment to clarify the PER encoding of bitstrings	approved	F	3.8.0	UTRAN Iu interface RANAP signalling	R3
RP-010848	25.413	386	2	4.2.0	Rel-4	Addition of amendment to clarify the PER encoding of bitstrings	approved	A	4.3.0	UTRAN Iu interface RANAP signalling	R3
RP-010848	25.413	387	2	3.7.0	R99	Chosen Integrity Protection Algorithm IE over MAP/E interface	approved	F	3.8.0	UTRAN Iu interface RANAP signalling	R3
RP-010848	25.413	388	2	4.2.0	Rel-4	Chosen Integrity Protection Algorithm IE over MAP/E interface	approved	A	4.3.0	UTRAN Iu interface RANAP signalling	R3
RP-010848	25.413	389		3.7.0	R99	Rapporteurs corrections in RANAP (MCC/MNC)	approved	F	3.8.0	UTRAN Iu interface RANAP signalling	R3
RP-010848	25.413	390		4.2.0	Rel-4	Rapporteurs corrections in RANAP (MCC/MNC)	approved	A	4.3.0	UTRAN Iu interface RANAP signalling	R3
RP-010849	25.413	393	1	3.7.0	R99	Clarification on Location Request not fulfilled	approved	F	3.8.0	UTRAN Iu interface RANAP signalling	R3
RP-010849	25.413	394	1	4.2.0	Rel-4	Clarification on Location Request not fulfilled	approved	A	4.3.0	UTRAN Iu interface RANAP signalling	R3
RP-010849	25.413	395	1	3.7.0	R99	Subflow SDU size clarification	approved	F	3.8.0	UTRAN Iu interface RANAP signalling	R3
RP-010849	25.413	396	1	4.2.0	Rel-4	Subflow SDU Size clarification	approved	A	4.3.0	UTRAN Iu interface RANAP signalling	R3
RP-010871	25.413	397	1	4.2.0	Rel-4	Correction to LCS Vertical Accurancy	approved	F	4.3.0	UTRAN Iu interface RANAP signalling	R3
RP-010849	25.413	399		3.7.0	R99	Correction the Clause 10 Error Handling	approved	F	3.8.0	UTRAN Iu interface RANAP signalling	R3
RP-010849	25.413	400		4.2.0	Rel-4	Correction the Clause 10 Error Handling	approved	A	4.3.0	UTRAN Iu interface RANAP signalling	R3
RP-010850	25.414	~~023~~02 8		3.8.0	R99	Reference corrections	approved	F	3.9.0	UTRAN Iu interface data transport & transport signalling	R3
RP-010850	25.414	~~024~~02 9		4.1.0	Rel-4	Reference corrections	approved	A	4.2.0	UTRAN Iu interface data transport & transport signalling	R3
RP-010851	25.415	075		3.8.0	R99	Correction of RF CI numbers	approved	F	3.9.0	UTRAN Iu interface user plane protocols	R3
RP-010851	25.415	076	1	4.2.0	Rel-4	Correction of RF CI numbers	approved	A	4.3.0	UTRAN Iu interface user plane protocols	R3
RP-010851	25.415	077	3	3.8.0	R99	Addition of "Specification Notations" Section	approved	F	3.9.0	UTRAN Iu interface user plane protocols	R3
RP-010851	25.415	078	3	4.2.0	Rel-4	Addition of "Specification Notations" Section	approved	A	4.3.0	UTRAN Iu interface user plane protocols	R3
RP-010872	25.415	079	1	4.2.0	Rel-4	Time-based Frame Numbering	approved	B	4.3.0	UTRAN Iu interface user plane protocols	R3
RP-010851	25.415	080	1	3.8.0	R99	Coding of SID mode	approved	F	3.9.0	UTRAN Iu interface user plane protocols	R3
RP-010851	25.415	081	1	4.2.0	Rel-4	Coding of SID mode	approved	A	4.3.0	UTRAN Iu interface user plane protocols	R3
RP-010851	25.415	082		3.8.0	R99	Annex A correction of subflow bits	approved	F	3.9.0	UTRAN Iu interface user plane protocols	R3
RP-010851	25.415	083		4.2.0	Rel-4	Annex A correction of subflow bits	approved	A	4.3.0	UTRAN Iu interface user plane protocols	R3
RP-010851	25.415	084	2	3.8.0	R99	Addition of "Specification Notations" Section	approved	F	3.9.0	UTRAN Iu interface user plane protocols	R3
RP-010851	25.415	085	2	4.2.0	Rel-4	Addition of "Specification Notations" Section	approved	A	4.3.0	UTRAN Iu interface user plane protocols	R3
RP-010851	25.415	086		3.8.0	R99	Reference corrections	approved	F	3.9.0	UTRAN Iu interface user plane protocols	R3
RP-010851	25.415	087		4.2.0	Rel-4	Reference corrections	approved	A	4.3.0	UTRAN Iu interface user plane protocols	R3
RP-010852	25.419	067	1	3.6.0	R99	SAI Clarification	approved	F	3.7.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-010852	25.419	068	1	4.2.0	Rel-4	SAI Clarification	approved	A	4.3.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-010852	25.419	069		3.6.0	R99	Bitstrings ordering	approved	F	3.7.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3

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RP-010852	25.419	070		4.2.0	Rel-4	Bitstrings ordering	approved	A	4.3.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-010852	25.419	071		3.6.0	R99	Procedure Code Criticality in Error Indication	approved	F	3.7.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-010852	25.419	072		4.2.0	Rel-4	Procedure Code Criticality in Error Indication	approved	A	4.3.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-010852	25.419	073	2	3.6.0	R99	Addition of amendment to clarify the PER encoding of bitstrings	approved	F	3.7.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-010852	25.419	074	2	4.2.0	Rel-4	Addition of amendment to clarify the PER encoding of bitstrings	approved	A	4.3.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-010852	25.419	075		3.6.0	R99	Section 9.2.0 missing	approved	F	3.7.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-010852	25.419	076		4.2.0	Rel-4	Section 9.2.0 missing	approved	A	4.~~2~~3.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-010852	25.419	077	2	3.6.0	R99	CR on 25.419 (R99) Usage of ”Number of Broadcasts Completed List’ IE	approved	F	3.7.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-010852	25.419	078	2	4.2.0	Rel-4	CR on 25.419 (R4) Usage of ”Number of Broadcasts Completed List’ IE	approved	A	4.3.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-010852	25.419	079		3.6.0	R99	Correction the Clause 10 Error Handling	approved	F	3.~~8~~7.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-010852	25.419	080		4.2.0	Rel-4	Correction the Clause 10 Error Handling	approved	A	4.3.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-010853	25.420	015		3.3.0	R99	Reference corrections	approved	F	3.~~9~~4.0	UTRAN Iur Interface: General Aspects and Principles	R3
RP-010853	25.420	016		4.0.0	Rel-4	Reference corrections	approved	A	4.1.0	UTRAN Iur Interface: General Aspects and Principles	R3
RP-010853	25.420	017		3.3.0	R99	25.420 v3.3.0 CR Clarification of the Combining/Splitting function	approved	F	3.4.0	UTRAN Iur Interface: General Aspects and Principles	R3
RP-010853	25.420	018		4.0.0	Rel-4	25.420 v4.0.0 CR Clarification of the Combining/Splitting function	approved	A	4.1.0	UTRAN Iur Interface: General Aspects and Principles	R3
RP-010853	25.420	019	1	3.3.0	R99	Addition of “Specification Notations” Section	approved	F	3.4.0	UTRAN Iur Interface: General Aspects and Principles	R3
RP-010853	25.420	020	1	4.0.0	Rel-4	Addition of “Specification Notations” Section	approved	A	4.1.0	UTRAN Iur Interface: General Aspects and Principles	R3
RP-010853	25.420	021	2	3.3.0	R99	Behaviour of the RNC in case of Iur transmission failure	approved	F	3.4.0	UTRAN Iur Interface: General Aspects and Principles	R3
RP-010853	25.420	022	2	4.0.0	Rel-4	Behaviour of the RNC in case of Iur transmission failure	approved	A	4.1.0	UTRAN Iur Interface: General Aspects and Principles	R3
RP-010854	25.422	009		3.5.0	R99	Reference corrections	approved	F	3.6.0	UTRAN Iur interface signalling transport	R3
RP-010854	25.422	010		4.0.0	Rel-4	Reference corrections	approved	A	4.1.0	UTRAN Iur interface signalling transport	R3
RP-010855	25.423	477		3.7.0	R99	CR on Priority range	approved	F	3.8.0	UTRAN Iur interface RNSAP signalling	R3
RP-010896	25.423	478	2	4.2.0	Rel-4	CR on Priority range	approved	A	4.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-010855	25.423	478	2	4.2.0	Rel-4	CR on Priority range	revised	A	4.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-010855	25.423	479		3.7.0	R99	Bitstrings ordering	approved	F	3.8.0	UTRAN Iur interface RNSAP signalling	R3
RP-010855	25.423	480		4.2.0	Rel-4	Bitstrings ordering	approved	A	4.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-010855	25.423	481		3.7.0	R99	Added UTRAN modes in the Semantics Description in IEs in RNSAP messages	approved	F	3.8.0	UTRAN Iur interface RNSAP signalling	R3

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RP-010855	25.423	482		4.2.0	Rel-4	Added UTRAN modes in the Semantics Description in IEs in RNSAP messages	approved	A	4.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-010855	25.423	483		3.7.0	R99	Alignment to RAN4 spec for Transmitted Code Power Measurement	approved	F	3.8.0	UTRAN Iur interface RNSAP signalling	R3
RP-010855	25.423	484		4.2.0	Rel-4	Alignment to RAN4 spec for Transmitted Code Power Measurement	approved	A	4.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-010911	25.423	485	1	4.2.0	Rel-4	Correction to SFN-SFN Observed Time Difference Measurement report mapping	approved	F	4.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-010873	25.423	486	1	4.2.0	Rel-4	Correction of drift rate resolution	approved	F	4.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-010873	25.423	487		4.2.0	Rel-4	Cell Parameter ID IE definition for 1.28Mcps TDD	approved	F	4.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-010873	25.423	488		4.2.0	Rel-4	Introduction of Band Indicator in GSM Neighbouring Cell Information	approved	F	4.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-010873	25.423	489		4.2.0	Rel-4	UL SIR Target in RL Setup Request TDD	approved	F	4.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-010855	25.423	490	1	3.7.0	R99	TDD Transmit Diversity for P-CCPCH and S-CCPCH	approved	F	3.8.0	UTRAN Iur interface RNSAP signalling	R3
RP-010855	25.423	491		4.2.0	Rel-4	Transmit Diversity for TDD	approved	A	4.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-010855	25.423	496		3.7.0	R99	Clarification for the definition of the ASN.1 constants	approved	F	3.8.0	UTRAN Iur interface RNSAP signalling	R3
RP-010855	25.423	497		4.2.0	Rel-4	Clarification for the definition of the ASN.1 constants	approved	A	4.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-010873	25.423	502	2	4.2.0	Rel-4	Handling of the DPC Mode IE	approved	F	4.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-010855	25.423	503	1	3.7.0	R99	Terminology Corrections	approved	F	3.8.0	UTRAN Iur interface RNSAP signalling	R3
RP-010855	25.423	504	1	4.2.0	Rel-4	Terminology Corrections	approved	A	4.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-010873	25.423	505	1	4.2.0	Rel-4	Rel-4 specific terminology corrections	approved	F	4.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-010855	25.423	508		3.7.0	R99	Procedure Code Criticality in Error Indication	approved	F	3.~~7~~8.0	UTRAN Iur interface RNSAP signalling	R3
RP-010855	25.423	509		4.2.0	Rel-4	Procedure Code Criticality in Error Indication	approved	A	4.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-010855	25.423	511		3.7.0	R99	Clarification for the Power Adjustment Type IE in the DL POWER CONTROL REQUEST message	approved	F	3.8.0	UTRAN Iur interface RNSAP signalling	R3
RP-010855	25.423	512		4.2.0	Rel-4	Clarification for the Power Adjustment Type IE in the DL POWER CONTROL REQUEST message	approved	A	4.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-010855	25.423	513	1	3.7.0	R99	Forward Compatibility for DL Power Balancing	approved	F	3.8.0	UTRAN Iur interface RNSAP signalling	R3
RP-010855	25.423	514	1	4.2.0	Rel-4	Forward Compatibility for DL Power Balancing	approved	A	4.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-010856	25.423	515		3.7.0	R99	Reconfiguration clarification	approved	F	3.8.0	UTRAN Iur interface RNSAP signalling	R3
RP-010856	25.423	516		4.2.0	Rel-4	Reconfiguration clarification	approved	A	4.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-010856	25.423	517	2	3.7.0	R99	DRNC behaviour at SRNC or RNSAP Signalling Bearer failure	approved	F	3.8.0	UTRAN Iur interface RNSAP signalling	R3
RP-010856	25.423	518	2	4.2.0	Rel-4	DRNC behaviour at SRNC or RNSAP Signalling Bearer failure	approved	A	4.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-010856	25.423	519	2	3.7.0	R99	Addition of amendment to clarify the PER encoding of bitstrings	approved	F	3.8.0	UTRAN Iur interface RNSAP signalling	R3
RP-010856	25.423	520	2	4.2.0	Rel-4	Addition of amendment to clarify the PER encoding of bitstrings	approved	A	4.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-010873	25.423	521	1	4.2.0	Rel-4	Correction to the RNSAP Congestion Indication	approved	F	4.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-010856	25.423	524		3.7.0	R99	Clarification on Primary CPICH Ec/No IE	approved	F	3.8.0	UTRAN Iur interface RNSAP signalling	R3
RP-010856	25.423	525		4.2.0	Rel-4	Clarification on Primary CPICH Ec/No IE	approved	A	4.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-010856	25.423	526	2	3.7.0	R99	Transport Bearer replacement clarification for the DSCH case	approved	F	3.8.0	UTRAN Iur interface RNSAP signalling	R3
RP-010856	25.423	527	2	4.2.0	Rel-4	Transport Bearer replacement clarification for the DSCH case	approved	A	4.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-010856	25.423	528		3.7.0	R99	Clarification of the Transaction ID	approved	F	3.8.0	UTRAN Iur interface RNSAP signalling	R3

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RP-010856	25.423	529		4.2.0	Rel-4	Clarification of the Transaction ID	approved	A	4.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-010873	25.423	530	2	4.2.0	Rel-4	SFN-SFN quality indication	approved	F	4.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-010856	25.423	531		3.7.0	R99	Clarification of S Field Length usage	approved	F	3.8.0	UTRAN Iur interface RNSAP signalling	R3
RP-010856	25.423	532		4.2.0	Rel-4	Clarification of S Field Length usage	approved	A	4.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-010856	25.423	533		3.7.0	R99	Correction the Clause 10 Error Handling	approved	F	3.8.0	UTRAN Iur interface RNSAP signalling	R3
RP-010856	25.423	534		4.2.0	Rel-4	Correction the Clause 10 Error Handling	approved	A	4.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-010856	25.423	539		3.7.0	R99	Correction to Primary CPICH handling in RL Setup procedure	approved	F	3.8.0	UTRAN Iur interface RNSAP signalling	R3
RP-010856	25.423	540		4.2.0	Rel-4	Correction to Primary CPICH handling in RL Setup procedure	approved	A	4.3.0	UTRAN Iur interface RNSAP signalling	R3
RP-010857	25.424	012		3.6.0	R99	Reference corrections	approved	F	3.7.0	UTRAN Iur interface data transport & transport signalling for CCH data streams	R3
RP-010857	25.424	013		4.0.0	Rel-4	Reference corrections	approved	A	4.1.0	UTRAN Iur interface data transport & transport signalling for CCH data streams	R3
RP-010858	25.425	036		3.5.0	R99	Description of CRC calculation	approved	F	3.6.0	UTRAN Iur interface user plane protocols for CCH data streams	R3
RP-010858	25.425	037	1	4.1.0	Rel-4	Description of CRC	approved	A	4.2.0	UTRAN Iur interface user plane protocols for CCH data streams	R3
RP-010858	25.425	038		3.5.0	R99	Specification Notations	approved	F	3.6.0	UTRAN Iur interface user plane protocols for CCH data streams	R3
RP-010858	25.425	039		4.1.0	Rel-4	Specification Notations	approved	A	4.2.0	UTRAN Iur interface user plane protocols for CCH data streams	R3
RP-010858	25.425	040	2	3.5.0	R99	Transport Bearer replacement for the DSCH	approved	F	3.6.0	UTRAN Iur interface user plane protocols for CCH data streams	R3
RP-010858	25.425	041	2	4.1.0	Rel-4	Transport Bearer replacement for the DSCH	approved	A	4.2.0	UTRAN Iur interface user plane protocols for CCH data streams	R3
RP-010858	25.425	042	1	3.5.0	R99	Extension of USCH and DSCH data and control frames	approved	F	3.6.0	UTRAN Iur interface user plane protocols for CCH data streams	R3
RP-010858	25.425	043	1	4.1.0	Rel-4	Extension of USCH and DSCH data and control frames	approved	A	4.2.0	UTRAN Iur interface user plane protocols for CCH data streams	R3
RP-010859	25.426	014		3.6.0	R99	Reference corrections	approved	F	3.7.0	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	R3
RP-010859	25.426	015		4.0.0	Rel-4	Reference corrections	approved	A	4.1.0	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	R3
RP-010859	25.426	016	1	3.6.0	R99	Correction to Figure 3	approved	F	3.7.0	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	R3
RP-010859	25.426	017	1	4.0.0	Rel-4	Correction to Figure 3	approved	A	4.1.0	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	R3
RP-010860	25.427	066		3.8.0	R99	Correction to inconsistencies in TS 25.427	approved	F	3.9.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	R3
RP-010860	25.427	067		4.2.0	Rel-4	Correction to inconsistencies in TS 25.427	approved	A	4.3.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	R3
RP-010860	25.427	068	1	3.8.0	R99	Clarifications on data/control frame support	approved	F	3.9.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	R3

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RP-010860	25.427	069	1	4.2.0	Rel-4	Clarifications on data/control frame support	approved	A	4.3.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	R3
RP-010860	25.427	070		3.8.0	R99	Specification Notations	approved	F	3.9.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	R3
RP-010860	25.427	071		4.2.0	Rel-4	Specification Notations	approved	A	4.3.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	R3
RP-010860	25.427	076	2	3.8.0	R99	Terminology Correction – Rel99	approved	F	3.9.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	R3
RP-010860	25.427	077	2	4.2.0	Rel-4	Terminology Correction – Rel4	approved	A	4.3.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	R3
RP-010861	25.430	024		3.6.0	R99	Reference corrections	approved	F	3.7.0	UTRAN Iub Interface: General Aspects and Principles	R3
RP-010861	25.430	025		4.1.0	Rel-4	Reference corrections	approved	A	4.2.0	UTRAN Iub Interface: General Aspects and Principles	R3
RP-010861	25.430	026	1	3.6.0	R99	Addition of “Specification Notations” Section	approved	F	3.7.0	UTRAN Iub Interface: General Aspects and Principles	R3
RP-010861	25.430	027	1	4.1.0	Rel-4	Addition of “Specification Notations” Section	approved	A	4.2.0	UTRAN Iub Interface: General Aspects and Principles	R3
RP-010862	25.433	529	2	3.7.0	R99	CR on Priority range	approved	F	3.8.0	UTRAN Iub interface NBAP signalling	R3
RP-010862	25.433	530	1	4.2.1	Rel-4	CR on Priority range	revised	A	4.3.0	UTRAN Iub interface NBAP signalling	R3
RP-010897	25.433	530	2	4.2.1	Rel-4	CR on Priority range	approved	A	4.3.0	UTRAN Iub interface NBAP signalling	R3
RP-010862	25.433	533		3.7.0	R99	Bitstrings ordering	approved	F	3.8.0	UTRAN Iub interface NBAP signalling	R3
RP-010862	25.433	534		4.2.1	Rel-4	Bitstrings ordering	approved	A	4.3.0	UTRAN Iub interface NBAP signalling	R3
RP-010862	25.433	535		3.7.0	R99	Added UTRAN modes in the IE Type and Reference and Semantics Description in IEs in NBAP messages	approved	F	3.8.0	UTRAN Iub interface NBAP signalling	R3
RP-010862	25.433	536		4.2.1	Rel-4	Added UTRAN modes in the IE Type and Reference and Semantics Description in IEs in NBAP messages	approved	A	4.3.0	UTRAN Iub interface NBAP signalling	R3
RP-010862	25.433	537		3.7.0	R99	Alignment to RAN4 spec for Transmitted Code Power Measurement	approved	F	3.8.0	UTRAN Iub interface NBAP signalling	R3
RP-010862	25.433	538		4.2.1	Rel-4	Alignment to RAN4 spec for Transmitted Code Power Measurement	approved	A	4.3.0	UTRAN Iub interface NBAP signalling	R3
RP-010862	25.433	539		3.7.0	R99	Correction the Clause 10 Error Handling	approved	F	3.8.0	UTRAN Iub interface NBAP signalling	R3
RP-010862	25.433	540		4.2.1	Rel-4	Correction the Clause 10 Error Handling	approved	A	4.3.0	UTRAN Iub interface NBAP signalling	R3
RP-010862	25.433	541		3.7.0	R99	Clarification of TrCh Ordering in TFCS	approved	F	3.8.0	UTRAN Iub interface NBAP signalling	R3
RP-010862	25.433	542		4.2.1	Rel-4	Clarification of TrCh Ordering in TFCS	approved	A	4.3.0	UTRAN Iub interface NBAP signalling	R3
RP-010862	25.433	543		3.7.0	R99	Reconstruction of the procedure text for Radio Link Setup in case of TDD	approved	F	3.8.0	UTRAN Iub interface NBAP signalling	R3
RP-010862	25.433	544		4.2.1	Rel-4	Addition of SIB15.4 and SIB18 to tabular	approved	F	4.3.0	UTRAN Iub interface NBAP signalling	R3
RP-010912	25.433	545	1	4.2.1	Rel-4	Correction to SFN-SFN Observed Time Difference Measurement report mapping	approved	F	4.3.0	UTRAN Iub interface NBAP signalling	R3
RP-010874	25.433	546	1	4.2.1	Rel-4	Correction of drift rate resolution	approved	F	4.3.0	UTRAN Iub interface NBAP signalling	R3
RP-010874	25.433	547		4.2.1	Rel-4	Cell Parameter ID IE definition for 1.28Mcps TDD	approved	F	4.3.0	UTRAN Iub interface NBAP signalling	R3
RP-010874	25.433	548		4.2.1	Rel-4	Amendment of the RADIO LINK ADDITION RESPONSE TDD message for LCR TDD	approved	F	4.3.0	UTRAN Iub interface NBAP signalling	R3
RP-010862	25.433	549		3.7.0	R99	Transmit Diversity for TDD	approved	F	3.8.0	UTRAN Iub interface NBAP signalling	R3
RP-010862	25.433	550		4.2.1	Rel-4	Transmit Diversity for TDD	approved	A	4.3.0	UTRAN Iub interface NBAP signalling	R3
RP-010862	25.433	551		3.7.0	R99	Clarification for the definition of the ASN.1 constants	approved	F	3.8.0	UTRAN Iub interface NBAP signalling	R3

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RP-010862	25.433	552		4.2.1	Rel-4	Clarification for the definition of the ASN.1 constants	approved	A	4.3.0	UTRAN Iub interface NBAP signalling	R3
RP-010862	25.433	558	1	3.7.0	R99	Terminology Corrections	approved	F	3.8.0	UTRAN Iub interface NBAP signalling	R3
RP-010862	25.433	559	1	4.2.1	Rel-4	Terminology Corrections	approved	A	4.3.0	UTRAN Iub interface NBAP signalling	R3
RP-010863	25.433	560	1	4.2.1	Rel-4	Rel-4 specific terminology corrections	approved	F	4.3.0	UTRAN Iub interface NBAP signalling	R3
RP-010863	25.433	561		3.7.0	R99	Procedure Code Criticality in Error Indication	approved	F	3.8.0	UTRAN Iub interface NBAP signalling	R3
RP-010863	25.433	562		4.2.1	Rel-4	Procedure Code Criticality in Error Indication	approved	A	4.3.0	UTRAN Iub interface NBAP signalling	R3
RP-010863	25.433	564		3.7.0	R99	Clarification for the Power Adjustment Type IE in the DL POWER CONTROL REQUEST message	approved	F	3.8.0	UTRAN Iub interface NBAP signalling	R3
RP-010863	25.433	565		4.2.1	Rel-4	Clarification for the Power Adjustment Type IE in the DL POWER CONTROL REQUEST message	approved	A	4.3.0	UTRAN Iub interface NBAP signalling	R3
RP-010863	25.433	566	1	3.7.0	R99	Forward Compatibility for DL Power Balancing	approved	F	3.8.0	UTRAN Iub interface NBAP signalling	R3
RP-010863	25.433	567	1	4.2.1	Rel-4	Forward Compatibility for DL Power Balancing	approved	A	4.3.0	UTRAN Iub interface NBAP signalling	R3
RP-010863	25.433	568		3.7.0	R99	Reconfiguration clarification	approved	F	3.8.0	UTRAN Iub interface NBAP signalling	R3
RP-010863	25.433	569		4.2.1	Rel-4	Reconfiguration clarification	approved	A	4.3.0	UTRAN Iub interface NBAP signalling	R3
RP-010863	25.433	570	2	3.7.0	R99	Addition of amendment to clarify the PER encoding of bitstrings	approved	F	3.8.0	UTRAN Iub interface NBAP signalling	R3
RP-010863	25.433	571	2	4.2.1	Rel-4	Addition of amendment to clarify the PER encoding of bitstrings	approved	A	4.3.0	UTRAN Iub interface NBAP signalling	R3
RP-010863	25.433	574	2	3.7.0	R99	Transport Bearer replacement clarification for the DSCH case	approved	F	3.8.0	UTRAN Iub interface NBAP signalling	R3
RP-010863	25.433	575	2	4.2.1	Rel-4	Transport Bearer replacement clarification for the DSCH case	approved	A	4.3.0	UTRAN Iub interface NBAP signalling	R3
RP-010863	25.433	576		3.7.0	R99	Clarification of the Transaction ID	approved	F	3.8.0	UTRAN Iub interface NBAP signalling	R3
RP-010863	25.433	577		4.2.1	Rel-4	Clarification of the Transaction ID	approved	A	4.3.0	UTRAN Iub interface NBAP signalling	R3
RP-010863	25.433	578	1	3.7.0	R99	CPCH-related corrections	approved	F	3.8.0	UTRAN Iub interface NBAP signalling	R3
RP-010863	25.433	579	1	4.2.1	Rel-4	CPCH-related corrections	approved	A	4.3.0	UTRAN Iub interface NBAP signalling	R3
RP-010874	25.433	580	2	4.2.1	Rel-4	SFN-SFN quality indication	approved	F	4.3.0	UTRAN Iub interface NBAP signalling	R3
RP-010863	25.433	581		3.7.0	R99	Correction of S field length	approved	F	~~4.3.~~3.8.0	UTRAN Iub interface NBAP signalling	R3
RP-010863	25.433	582		4.2.1	Rel-4	Correction of S field length	approved	A	4.3.0	UTRAN Iub interface NBAP signalling	R3
RP-010864	25.434	011		3.5.0	R99	Reference corrections	approved	F	3.6.0	UTRAN Iub interface data transport & transport signalling for CCH data streams	R3
RP-010864	25.434	012		4.1.0	Rel-4	Reference corrections	approved	A	4.2.0	UTRAN Iub interface data transport & transport signalling for CCH data streams	R3
RP-010864	25.434	013	1	3.5.0	R99	Missing PCH References	approved	F	3.6.0	UTRAN Iub interface data transport & transport signalling for CCH data streams	R3
RP-010864	25.434	014	1	4.1.0	Rel-4	Missing PCH References	approved	A	4.2.0	UTRAN Iub interface data transport & transport signalling for CCH data streams	R3
RP-010865	25.435	062		3.8.0	R99	PCH Frame Clarification	approved	F	3.9.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-010865	25.435	063	1	4.2.0	Rel-4	PCH Frame Clarification	approved	A	4.3.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-010865	25.435	064		3.8.0	R99	Description of CRC calculation	approved	F	3.9.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-010865	25.435	065		4.2.0	Rel-4	Description of CRC calculation	approved	A	4.3.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-010865	25.435	066		3.8.0	R99	Specification Notations	approved	F	3.9.0	UTRAN Iub interface user plane protocols for CCH data streams	R3

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RP-010865	25.435	067		4.2.0	Rel-4	Specification Notations	approved	A	4.3.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-010865	25.435	071	2	3.8.0	R99	Transport Bearer replacement for the DSCH	approved	F	3.9.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-010865	25.435	072	2	4.2.0	Rel-4	Transport Bearer replacement for the DSCH	approved	A	4.3.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-010875	25.450	001	1	5.0.0	Rel-5	Reference corrections	approved	F	5.1.0	UTRAN Iupc interface general aspects and principles	R3
RP-010875	25.450	002	1	5.0.0	Rel-5	Addition of Specification Notations Section	approved	F	5.1.0	UTRAN Iupc interface general aspects and principles	R3
RP-010875	25.453	008	1	5.1.0	Rel-5	Bitstrings ordering	approved	F	5.2.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-010875	25.453	009	1	5.1.0	Rel-5	Reference corrections	approved	F	5.2.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-010875	25.453	010	1	5.1.0	Rel-5	Clarification for the definition of the ASN.1 constants	approved	F	5.2.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-010875	25.453	012	1	5.1.0	Rel-5	Procedure Code Criticality in Error Indication	approved	F	5.2.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-010875	25.453	013	2	5.1.0	Rel-5	Addition of amendment to clarify the PER encoding of bitstrings	approved	F	5.2.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-010875	25.453	014	1	5.1.0	Rel-5	Clarification of the Transaction ID	approved	F	5.2.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-010875	25.453	015		5.1.0	Rel-5	Correction the Clause 10 Error Handling	approved	F	5.2.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-010866	25.838	001		4.0.0	Rel-4	Introduction of the Frequency Acquisition Phase and updates of IEs, EPs, and messages	approved	F	4.1.0	Node B Synchronisation for TDD (Iub/Iur aspects)	R3
RP-010867	25.850	003		4.2.0	Rel-4	UTRAN SFN-SFN Observed Time difference measurement report mapping and accuracy definition	approved	F	4.3.0	UE positioning in UTRAN Iub/Iur protocol aspects	R3
RP-010768	25.921	032		3.5.0	R99	Modulo formula	approved	F	3.6.0	Guidelines and principles for protocol description and error handling	R2
RP-010768	25.921	033		4.2.0	Rel-4	Modulo formula	approved	A	4.3.0	Guidelines and principles for protocol description and error handling	R2
RP-010768	25.921	034		3.5.0	R99	Use of extensions in a backward compatible way	approved	F	3.6.0	Guidelines and principles for protocol description and error handling	R2
RP-010768	25.921	035		4.2.0	Rel-4	Use of extensions in a backward compatible way	approved	A	4.3.0	Guidelines and principles for protocol description and error handling	R2
RP-010768	25.921	036		3.5.0	R99	Extensions of IE value ranges in tabular	approved	F	3.6.0	Guidelines and principles for protocol description and error handling	R2
RP-010768	25.921	037		4.2.0	Rel-4	Extensions of IE value ranges in tabular	approved	A	4.3.0	Guidelines and principles for protocol description and error handling	R2

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RP-010868	25.931	011	1	3.4.0	R99	Obsolete or Missing Messages	approved	F	3.5.0	UTRAN Functions, examples on signalling procedures	R3
RP-010868	25.931	012	1	4.1.0	Rel-4	Obsolete or Missing Messages	approved	A	4.2.0	UTRAN Functions, examples on signalling procedures	R3
RP-010785	25.942	002		3.1.0	R99	Co-location UTRA-FDD with UTRA-TDD Site engineering solutions	approved	F	3.2.0	RF system scenarios	R4
RP-010785	25.942	003		4.0.0	Rel-4	Co-location UTRA-FDD with UTRA-TDD Site engineering solutions	approved	A	4.1.0	RF system scenarios	R4
RP-010788	25.943	001		4.0.0	Rel-4	CR to TR25.943 for changes to deployment model	approved	F	4.1.0	Deployment aspects	R4
SP-010657	01.01	004	-	8.3.0	R99	Correction to list of specs	approved	F	8.4.0	GSM Release 1999 Specifications	SP
SP-010663	02.78	A044		6.5.0	R97	Calling Party Number can not be modified by CSE	approved	F	6.6.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service definition (Stage 1)	S1
SP-010663	02.78	A045		7.1.0	R98	Calling Party Number can not be modified by CSE	approved	A	7.2.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service definition (Stage 1)	S1
SP-010706	03.60	A211	1	6.9.0	R97	Losing PDP context during Inter SGSN RA Update	approved	F	6.10.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010706	03.60	A212	1	7.7.0	R98	Losing PDP context during Inter SGSN RA Update	approved	A	7.8.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010707	03.71	A033		7.7.0	R98	Error Handling for E-OTD and GPS	approved	F	7.8.0	Location Services (LCS); Functional description; Stage 2	S2
SP-010707	03.71	A034		8.3.0	R99	Error Handling for E-OTD and GPS	approved	A	8.4.0	Location Services (LCS); Functional description; Stage 2	S2
SP-010696	06.73	A028		7.5.0	R98	Correction of RX-DTX handling of NO_DATA frames in AMR decoder	approved	F	7.6.0	Adaptive Multi Rate (AMR) speech; ANSI-C code for the AMR speech codec	S4
SP-010697	06.73	A029		7.5.0	R98	Correction in AMR decoder to avoid division by zero in RX-DTX handling	approved	F	7.6.0	Adaptive Multi Rate (AMR) speech; ANSI-C code for the AMR speech codec	S4
SP-010655	21.101	007	-	3.5.0	R99	Correction to list of specs	approved	F	3.6.0	3rd Generation mobile system Release 1999 Specifications	SP
SP-010656	21.102	004	-	4.2.0	Rel-4	Correction to list of specs	revised	F	4.3.0	3rd Generation mobile system Release 4 specifications	SP
SP-010753	21.102	004	1	4.2.0	Rel-4	Correction to list of specs	approved	F	4.3.0	3rd Generation mobile system Release 4 specifications	SP
SP-010607	21.133	002		3.1.0	R99	Definition of UICC	approved	F	3.2.0	3G security; Security threats and requirements	S3
SP-010607	21.133	003		4.0.0	Rel-4	Definition of UICC	approved	A	4.1.0	3G security; Security threats and requirements	S3
SP-010671	21.905	021	1	5.1.0	Rel-5	Defintion of Local Services	approved	F	5.2.0	Vocabulary for 3GPP Specifications	S1
SP-010672	22.003	008		4.2.0	Rel-5	Clarification of requirements for support of codecs	approved	C	5.0.0	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	S1
SP-010685	22.011	030		3.5.0	R99	CR to 22.011 R99 'Interaction between equivalent PLMN list and periodic network selection attempts'	approved	F	3.6.0	Service accessibility	S1
SP-010665	22.011	030		3.5.0	R99	CR to 22.011 R99 'Interaction between equivalent PLMN list and periodic network selection attempts'	withdrawn	F	3.6.0	Service accessibility	S1
SP-010685	22.011	031		4.4.0	Rel-4	CR to 22.011 R4 'Interaction between equivalent PLMN list and periodic network selection attempts'	approved	A	4.5.0	Service accessibility	S1

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SP-010665	22.011	031		4.4.0	Rel-4	CR to 22.011 R4 'Interaction between equivalent PLMN list and periodic network selection attempts'	withdrawn	A	4.5.0	Service accessibility	S1
SP-010669	22.011	032		3.5.0	R99	CR to 22.011 R99 'Clarification on the interpretation of the term "country" in 22.011'	withdrawn	F	3.6.0	Service accessibility	S1
SP-010689	22.011	032		3.5.0	R99	CR to 22.011 R99 'Clarification on the interpretation of the term "country" in 22.011'	rejected	F	3.6.0	Service accessibility	S1
SP-010669	22.011	033		4.4.0	Rel-4	CR to 22.011 R4 'Clarification on the interpretation of the term "country" in 22.011'	withdrawn	A	4.5.0	Service accessibility	S1
SP-010689	22.011	033		4.4.0	Rel-4	CR to 22.011 R4 'Clarification on the interpretation of the term "country" in 22.011'	rejected	A	4.5.0	Service accessibility	S1
SP-010684	22.011	034		3.5.0	R99	CR to 22.011 R99 'Editorial improvements	approved	F	3.6.0	Service accessibility	S1
SP-010664	22.011	034		3.5.0	R99	CR to 22.011 R99 'Editorial improvements	withdrawn	F	3.6.0	Service accessibility	S1
SP-010684	22.011	035		4.4.0	Rel-4	CR to 22.011 R4 'Editorial improvements'	approved	A	4.5.0	Service accessibility	S1
SP-010664	22.011	035		4.4.0	Rel-4	CR to 22.011 R4 'Editorial improvements'	withdrawn	A	4.5.0	Service accessibility	S1
SP-010688	22.011	036		3.5.0	R99	CR to 22.011 R99 'Clarification on the UE behaviour when receiving a registration rejection'	approved	F	3.6.0	Service accessibility	S1
SP-010668	22.011	036		3.5.0	R99	CR to 22.011 R99 'Clarification on the UE behaviour when receiving a registration rejection'	withdrawn	F	3.6.0	Service accessibility	S1
SP-010688	22.011	037		4.4.0	Rel-4	CR to 22.011 R4 'Clarification on the UE behaviour when receiving a registration rejection'	approved	A	4.5.0	Service accessibility	S1
SP-010668	22.011	037		4.4.0	Rel-4	CR to 22.011 R4 'Clarification on the UE behaviour when receiving a registration rejection'	withdrawn	A	4.5.0	Service accessibility	S1
SP-010687	22.011	038		3.5.0	R99	CR to 22.011 R99 'Simplification of the procedure for user PLMN reselection'	approved	F	3.6.0	Service accessibility	S1
SP-010667	22.011	038		3.5.0	R99	CR to 22.011 R99 'Simplification of the procedure for user PLMN reselection'	withdrawn	F	3.6.0	Service accessibility	S1
SP-010687	22.011	039		4.4.0	Rel-4	CR to 22.011 R4 'Simplification of the procedure for user PLMN reselection'	approved	A	4.5.0	Service accessibility	S1
SP-010667	22.011	039		4.4.0	Rel-4	CR to 22.011 R4 'Simplification of the procedure for user PLMN reselection'	withdrawn	A	4.5.0	Service accessibility	S1
SP-010686	22.011	040		3.5.0	R99	CR to 22.011 R99 'Interaction between "equivalent PLMN" list and "Forbidden PLMN" list'	approved	F	3.6.0	Service accessibility	S1
SP-010666	22.011	040		3.5.0	R99	CR to 22.011 R99 'Interaction between "equivalent PLMN" list and "Forbidden PLMN" list'	withdrawn	F	3.6.0	Service accessibility	S1
SP-010686	22.011	041		4.4.0	Rel-4	CR to 22.011 R4 'Interaction between "equivalent PLMN" list and "Forbidden PLMN" list'	approved	A	4.5.0	Service accessibility	S1
SP-010666	22.011	041		4.4.0	Rel-4	CR to 22.011 R4 'Interaction between "equivalent PLMN" list and "Forbidden PLMN" list'	withdrawn	A	4.5.0	Service accessibility	S1
SP-010740	22.011	042	-	4.4.0	Rel-4	Interaction between ePLMN and manual mode	revised	F	4.5.0	Service accessibility	S1
SP-010746	22.011	042	1	4.4.0	Rel-4	Interaction between ePLMN and manual mode	revised	A	4.5.0	Service accessibility	S1
SP-010757	22.011	042	2	4.4.0	Rel-4	Interaction between ePLMN and manual mode	approved	A	4.5.0	Service accessibility	S1
SP-010746	22.011	043	-	3.5.0	R99	Interaction between ePLMN and manual mode	revised	F	3.6.0	Service accessibility	S1
SP-010757	22.011	043	1	3.5.0	R99	Interaction between ePLMN and manual mode	approved	F	3.6.0	Service accessibility	S1
SP-010673	22.071	029		4.3.0	Rel-5	Privacy Override Indicator	approved	C	5.0.0	Location Services (LCS); Stage 1	S1
SP-010674	22.078	124		4.3.0	Rel-4	Removal of Volume charging for GPRS Session	approved	F	4.4.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1

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SP-010674	22.078	125		5.4.0	Rel-5	Removal of Volume charging for GPRS Session	approved	A	5.5.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-010674	22.078	126		5.4.0	Rel-5	Use of start digit string as only criteria in Mid Call DP	approved	C	5.5.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-010674	22.078	127		5.4.0	Rel-5	Ability to arm Mid Call DP for the duration of a call	approved	C	5.5.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-010674	22.078	128	1	5.4.0	Rel-5	Introduction of subscriber status information in PS domain	approved	C	5.5.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-010674	22.078	129		5.4.0	Rel-5	CR to 22.078 (Ability to re-arm the event in the change of position procedures during a call)	approved	C	5.5.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-010674	22.078	130		5.4.0	Rel-5	CR to 22.078 (Removal of call suspension in the change of position procedures)	approved	F	5.5.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-010671	22.121	021	1	5.1.0	Rel-5	Defintion of Local Services	approved	F	5.2.0	Service aspects; The Virtual Home Environment; Stage 1	S1
SP-010675	22.127	025		4.2.0	Rel-4	CR to TS 22.127 v 5.1.1, (Cat F R4) on Removal of Terminal Capability Change Notification	approved	F	4.3.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-010675	22.127	026		5.1.1	Rel-5	CR to TS 22.127 v 5.1.1, (Cat F R5)on OSA Information Service Modification	approved	F	5.2.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-010675	22.127	027		5.1.1	Rel-5	CR to TS 22.127 v 5.1.1, (Cat C R5) User Data Management Modifications	approved	C	5.2.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-010675	22.127	028		5.1.1	Rel-5	CR to TS 22.127 v 5.1.1, (Cat C R5) User Data Management Security Modifications	approved	C	5.2.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-010675	22.127	029		5.1.1	Rel-5	CR to TS 22.127 v 5.1.1, (Cat D R5) Editorial corrections for the Support of Presence Service	approved	D	5.2.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-010675	22.127	030		5.1.1	Rel-5	CR to TS 22.127 v 5.1.1, (Cat F R5) High Level requirements concerning OSA impact on SCF´s	approved	F	5.2.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-010675	22.127	031		5.1.1	Rel-5	CR to TS 22.127 v 5.1.1, (Cat C R5) Support for presence related capability functions	approved	C	5.2.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-010675	22.127	032		5.1.1	Rel-5	CR to TS 22.127 v 5.1.1, (Cat C R5) Backward Compatibility	approved	C	5.2.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-010675	22.127	033		5.1.1	Rel-5	CR to TS 22.127 V 5.1.1 (Cat B R5) Adding IM Session Control Funct	approved	B	5.2.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-010670	22.129	023		3.5.0	R99	Multicall handover requirements	approved	F	3.6.0	Handover requirements between UTRAN and GERAN or other radio systems	S1
SP-010670	22.129	024		4.3.0	Rel-4	Multicall handover requirements	approved	A	4.4.0	Handover requirements between UTRAN and GERAN or other radio systems	S1
SP-010670	22.129	025		5.0.0	Rel-5	Multicall handover requirements	approved	A	5.1.0	Handover requirements between UTRAN and GERAN or other radio systems	S1
SP-010676	22.140	008		4.1.0	Rel-5	Stage 1 Requirements for VASP connectivity	approved	B	5.0.0	Service aspects; Stage 1; Multimedia Messaging Service	S1

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SP-010748	22.140	009	-	4.1.0	Rel-5	Minimum set of functionality for the support of a Network Based repository	approved	B	5.0.0	Service aspects; Stage 1; Multimedia Messaging Service	S1
SP-010677	22.141	001		5.0.0	Rel-5	Protection against replay attacks	approved	C	5.1.0	Presence service; Stage 1	S1
SP-010677	22.141	002		5.0.0	Rel-5	Reserved for Presence	approved	C	5.1.0	Presence service; Stage 1	S1
SP-010677	22.141	003		5.0.0	Rel-5	Clarification to Presence access rules	approved	C	5.1.0	Presence service; Stage 1	S1
SP-010677	22.141	004		5.0.0	Rel-5	Clarification on charging mechanisms	approved	B	5.1.0	Presence service; Stage 1	S1
SP-010677	22.141	005		5.0.0	Rel-5	Clarification of registration and administration procedures	approved	F	5.1.0	Presence service; Stage 1	S1
SP-010677	22.141	006		5.0.0	Rel-5	Use of 'Principal' within TS 22.141	approved	F	5.1.0	Presence service; Stage 1	S1
SP-010677	22.141	008		5.0.0	Rel-5	Clarification of presence information requirements	approved	F	5.1.0	Presence service; Stage 1	S1
SP-010678	22.146	002	2	5.0.0	Rel-5	Proposed CR on changes to definitions in 22.146	approved	F	5.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	S1
SP-010678	22.146	003	3	5.0.0	Rel-5	Proposed CR on clarification of reliable transmission	approved	B	5.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	S1
SP-010678	22.146	005	1	5.0.0	Rel-5	Proposed CR on clarifications of the availability of MBMS	approved	F	5.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	S1
SP-010678	22.146	006	2	5.0.0	Rel-5	Proposed CR on Clarification on MBMS applicability in Gb mode	approved	F	5.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	S1
SP-010678	22.146	009	2	5.0.0	Rel-5	Proposed CR on data loss during handover	approved	F	5.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	S1
SP-010678	22.146	011	1	5.0.0	Rel-5	Proposed CR on optional privacy assurance for Multicast services	approved	C	5.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	S1
SP-010678	22.146	018	2	5.0.0	Rel-5	Proposed CR to 22.146: High level Diagrams of MBMS	approved	F	5.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	S1
SP-010678	22.146	019		5.0.0	Rel-5	CR Clarifying Service Requirements on Multicast and Broadcast Areas	approved	F	5.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	S1
SP-010678	22.146	020	2	5.0.0	Rel-5	Proposed CR to 22.146 MBMS	approved	F	5.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	S1
SP-010678	22.146	021		5.0.0	Rel-5	Multiple Areas for Multicast and Broadcast Services	approved	B	5.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	S1
SP-010678	22.146	022	1	5.0.0	Rel-5	MBMS service discovery	approved	F	5.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	S1
SP-010678	22.146	023		5.0.0	Rel-5	CR to 22.146 (MBMS) UE and MS definition	approved	F	5.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	S1
SP-010671	22.228	005	1	5.3.0	Rel-5	Defintion of Local Services	approved	F	5.4.0	IP multimedia subsystem; Stage 1	S1
SP-010708	23.002	070		5.4.0	Rel-5	Editorial alignment of 23.002 on CSCF	approved	D	5.5.0	Network Architecture	S2
SP-010708	23.002	072		5.4.0	Rel-5	Aligning MGW descriptions	approved	D	5.5.0	Network Architecture	S2
SP-010708	23.002	074		5.4.0	Rel-5	Correction of abbreviation of CSCF	approved	D	5.5.0	Network Architecture	S2
SP-010708	23.002	075	2	5.4.0	Rel-5	HSS section clean up	approved	C	5.5.0	Network Architecture	S2
SP-010708	23.002	079		5.4.0	Rel-5	Correction of Gi reference point definition	approved	F	5.5.0	Network Architecture	S2
SP-010708	23.002	080		3.4.0	R99	Deleting SIWF functionality	approved	F	3.5.0	Network Architecture	S2
SP-010708	23.002	081		4.3.0	Rel-4	Deleting SIWF functionality	approved	A	4.4.0	Network Architecture	S2
SP-010708	23.002	082		5.4.0	Rel-5	Deleting SIWF functionality	approved	A	5.5.0	Network Architecture	S2
SP-010706	23.060	246	2	3.9.0	R99	Losing PDP context during Inter SGSN RA Update	approved	A	3.10.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010706	23.060	247	3	4.2.0	Rel-4	Losing PDP context during Inter SGSN RA Update	approved	A	4.3.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2

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SP-010706	23.060	261	1	3.9.0	R99	Correction to CAMEL Procedure Names duringRoutingAreaUpdate	approved	F	3.10.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010706	23.060	262	1	4.2.0	Rel-4	Correction to CAMEL Procedure Names duringRoutingAreaUpdate	approved	A	4.3.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010706	23.060	263	4	4.3.0	Rel-5	Impacts on the Attach procedure due to the Intra Domain Connection of RAN Nodes to Multiple CN Nodes	approved	B	5.0.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010706	23.060	264	1	4.3.0	Rel-5	Impacts on the Gs interface due to the Intra Domain Connection of RAN Nodes to Multiple CN Nodes	approved	B	5.0.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010706	23.060	265	4	4.3.0	Rel-5	Impacts on the Intersystem change procedure due to the Intra Domain Connection of RAN Nodes to Multiple CN Nodes	approved	B	5.0.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010706	23.060	266	3	4.3.0	Rel-5	Impacts on the RAU procedure due to the Intra Domain Connection of RAN Nodes to Multiple CN Nodes	approved	B	5.0.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010706	23.060	267	4	4.3.0	Rel-5	Impacts on the Suspend procedure due to the Intra Domain Connection of RAN Nodes to Multiple CN Nodes	approved	B	5.0.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010706	23.060	268	2	4.3.0	Rel-5	Impacts on the SRNS Relocation procedure due to the Intra Domain Connection of RAN Nodes to Multiple CN Nodes	approved	B	5.0.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010706	23.060	269	2	4.3.0	Rel-5	General changes due to Intra Domain Connection of RAN Nodes to Multiple CN Nodes	approved	B	5.0.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010706	23.060	270	1	4.2.0	Rel-4	Clarification on the format of 'APN in use' stored in SGSN	approved	F	4.3.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010706	23.060	271	1	3.9.0	R99	Correction inter SGSN RAU	approved	F	3.10.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010706	23.060	272	1	4.2.0	Rel-4	Correction inter SGSN RAU	approved	A	4.3.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010706	23.060	273	1	3.9.0	R99	CAMEL interaction during RNC-initiated and RAB release-initiated local PDP context modification procedure for real-time PDP contexts	approved	F	3.10.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010706	23.060	274	1	4.2.0	Rel-4	CAMEL interaction during RNC-initiated and RAB release-initiated local PDP context modification procedure for real-time PDP contexts	approved	A	4.3.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010706	23.060	275	2	3.9.0	R99	Behaviour of the MS on entering a new PLMN	approved	F	3.10.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010706	23.060	276	4	4.3.0	Rel-5	Handover and Cell Reselection procedures for GERAN Iu mode	approved	B	5.0.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010706	23.060	279	1	4.2.0	Rel-4	Various editorial corrections	approved	F	4.3.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010706	23.060	280		3.9.0	R99	Various editorial corrections	approved	F	3.10.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010706	23.060	281	2	4.3.0	Rel-5	PDP context handling at Inter SGSN RA Update	approved	B	5.0.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010706	23.060	284		3.9.0	R99	Re-initialisation of the CAMEL GPRS dialogue after a relocation cancel	approved	F	3.10.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010706	23.060	285		4.2.0	Rel-4	Re-initialisation of the CAMEL GPRS dialogue after a relocation cancel	approved	A	4.3.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010706	23.060	294	1	4.3.0	Rel-5	Changes on the Gb interface due to the Intra Domain Connection of RAN Nodes to Multiple CN Nodes	approved	B	5.0.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2

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SP-010706	23.060	295		3.9.0	R99	Correction of wrong references	approved	F	3.10.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010706	23.060	296		4.2.0	Rel-4	Correction of wrong references	approved	A	4.3.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010706	23.060	297	1	4.3.0	Rel-5	External Network Assisted Cell Change (NACC) in GERAN R5	approved	B	5.0.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-010709	23.107	070	1	3.6.0	R99	Clarification of the QoS mapping on the MS	rejected	F	3.7.0	Quality of Service (QoS) concept and architecture	S2
SP-010709	23.107	071	2	4.1.0	Rel-4	Clarification of the QoS mapping on the MS	rejected	A	4.2.0	Quality of Service (QoS) concept and architecture	S2
SP-010709	23.107	072	1	5.2.0	Rel-5	Clarification of the QoS mapping on the MS	rejected	A	5.3.0	Quality of Service (QoS) concept and architecture	S2
SP-010709	23.107	073		3.6.0	R99	Deletion of QoS Requirement for Inter-SGSN RA Update	approved	F	3.7.0	Quality of Service (QoS) concept and architecture	S2
SP-010709	23.107	074		4.1.0	Rel-4	Deletion of QoS Requirement for Inter-SGSN RA Update	approved	A	4.2.0	Quality of Service (QoS) concept and architecture	S2
SP-010709	23.107	075		5.2.0	Rel-5	Deletion of QoS Requirement for Inter-SGSN RA Update	approved	A	5.3.0	Quality of Service (QoS) concept and architecture	S2
SP-010709	23.107	079	2	3.6.0	R99	Clarification of Bearer Service Attributes Maximum and Guaranteed bitrate	approved	F	3.7.0	Quality of Service (QoS) concept and architecture	S2
SP-010709	23.107	080	2	4.1.0	Rel-4	Clarification of Bearer Service attributes Maximum and Guaranteed Bitrate	approved	A	4.2.0	Quality of Service (QoS) concept and architecture	S2
SP-010709	23.107	081	2	5.2.0	Rel-5	Clarification of Bearer Service attributes Maximum and Guaranteed Bitrate	approved	A	5.3.0	Quality of Service (QoS) concept and architecture	S2
SP-010710	23.127	027	1	4.2.0	Rel-5	TS23.127v5.0.0 "Virtual Home Environment/Open Service Access (Release 5)	approved	B	5.0.0	Virtual Home Environment (VHE); Stage 2	S2
SP-010707	23.171	020		3.5.0	R99	Wrong node name in privacy check procedures	approved	F	3.6.0	Functional stage 2 description of location services in UMTS	S2
SP-010707	23.171	021		3.5.0	R99	Exception procedures in the VMSC	approved	F	3.6.0	Functional stage 2 description of location services in UMTS	S2
SP-010711	23.207	001	3	5.1.0	Rel-5	PDP Context Used for Application Level Signalling	approved	B	5.2.0	End to end quality of service concept and architecture	S2
SP-010711	23.207	006	2	5.1.0	Rel-5	P-CSCF notification of PDP context modification	approved	C	5.2.0	End to end quality of service concept and architecture	S2
SP-010711	23.207	008	3	5.1.0	Rel-5	QoS Scenarios Considerations	approved	F	5.2.0	End to end quality of service concept and architecture	S2
SP-010711	23.207	009	1	5.1.0	Rel-5	Session Flow: QoS Interaction Procedures	approved	B	5.2.0	End to end quality of service concept and architecture	S2
SP-010711	23.207	010		5.1.0	Rel-5	COPS Usage for Go Interface	approved	B	5.2.0	End to end quality of service concept and architecture	S2
SP-010711	23.207	012		5.1.0	Rel-5	Mapping IP flow based policy information into PDP context based policy information in the GGSN	approved	F	5.2.0	End to end quality of service concept and architecture	S2
SP-010711	23.207	013	1	5.1.0	Rel-5	New event for P-CSCF notification of PDP context modification	approved	C	5.2.0	End to end quality of service concept and architecture	S2
SP-010712	23.221	002	6	5.2.0	Rel-5	Routing of MT call from PSTN to CS or IMS	approved	C	5.3.0	Architectural requirements	S2
SP-010712	23.221	014	1	5.2.0	Rel-5	Use of the terms Iu mode and A/Gb mode	approved	F	5.3.0	Architectural requirements	S2
SP-010712	23.221	015	2	5.2.0	Rel-5	Editorial corrections	approved	D	5.3.0	Architectural requirements	S2
SP-010712	23.221	017		5.2.0	Rel-5	Removal of Editor's notes	approved	D	5.3.0	Architectural requirements	S2

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SP-010712	23.221	020		5.2.0	Rel-5	GGSN & P-CSCF in the HPLMN	approved	F	5.3.0	Architectural requirements	S2
SP-010712	23.221	021	1	5.2.0	Rel-5	Routing Calls from the IMS to the CS domain	approved	F	5.3.0	Architectural requirements	S2
SP-010712	23.221	025	1	5.2.0	Rel-5	IPv6 requirements for 3GPP UE(s)	approved	F	5.3.0	Architectural requirements	S2
SP-010713	23.226	001		5.0.0	Rel-5	Correction of SIP reference	approved	F	5.1.0	Global text telephony; Stage 2: Architecture	S2
SP-010714	23.228	012	2	5.2.0	Rel-5	Requirement to indicate to UE what to do on alerting	approved	C	5.3.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010714	23.228	044	2	5.2.0	Rel-5	Miscellanous BGCF impacts to 23.228	approved	F	5.3.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010714	23.228	048	2	5.2.0	Rel-5	PDP Context Used for IM Subsystem Related Signalling	approved	B	5.3.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010714	23.228	051	1	5.2.0	Rel-5	Generation of CDRs at BGCF	approved	C	5.3.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010714	23.228	052		5.2.0	Rel-5	BGCF to MGCF interface	approved	C	5.3.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010714	23.228	053	1	5.2.0	Rel-5	THIG usage in 23.228	approved	C	5.3.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010714	23.228	053	2	5.2.0	Rel-5	Routing IMS voice calls to CS domain	approved	B	5.3.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010714	23.228	060	2	5.2.0	Rel-5	Removal of T-SGW in 23.228	approved	F	5.3.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010714	23.228	068	2	5.2.0	Rel-5	Requirements for Emergency Sessions	withdrawn	B	5.3.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010714	23.228	070		5.2.0	Rel-5	Registration and Re-registration flow, editorial correction	approved	D	5.3.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010714	23.228	071		5.2.0	Rel-5	Clarification to Emergency sessions	withdrawn	F	5.3.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010714	23.228	075	1	5.2.0	Rel-5	Subscriber profile updating	approved	C	5.3.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010714	23.228	082	2	5.2.0	Rel-5	Sh Interface for CAMEL	approved	B	5.3.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010714	23.228	084		5.2.0	Rel-5	Revisiting ISC requirements	approved	F	5.3.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010714	23.228	085	2	5.2.0	Rel-5	P-CSCF in same network as GGSN	approved	C	5.3.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010714	23.228	086	1	5.2.0	Rel-5	Network Determination of Local Services in IM Subsystem	approved	C	5.3.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010714	23.228	088		5.2.0	Rel-5	Emergency sessions	withdrawn	C	5.3.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010714	23.228	089	1	5.2.0	Rel-5	Local service for IMS	approved	F	5.3.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010714	23.228	089	2	5.2.0	Rel-5	Local services for IMS	approved	B	5.3.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010714	23.228	090	2	5.2.0	Rel-5	PDP context & IMS procedure clarification	approved	F	5.3.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010714	23.228	091	1	5.2.0	Rel-5	Mobility related concept clean up	approved	F	5.3.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010714	23.228	092	1	5.2.0	Rel-5	Relation of IMS user identities and the Service Profiles	approved	C	5.3.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010714	23.228	096		5.2.0	Rel-5	P-CSCF network identifier	approved	F	5.3.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010714	23.228	098	1	5.2.0	Rel-5	Service control managed MRFC session legs	approved	B	5.3.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010714	23.228	100	2	5.2.0	Rel-5	Alignment of 23.060 and 23.228 for the handling of the PDP contexts in case of Iu release or RAB release	approved	F	5.3.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010714	23.228	101		5.2.0	Rel-5	Event and information distribution within IMS	approved	C	5.3.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010714	23.228	102		5.2.0	Rel-5	Session unrelated procedures	approved	B	5.3.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010714	23.228	103		5.2.0	Rel-5	Correction for acronym "CDR"	approved	D	5.3.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010714	23.228	104		5.2.0	Rel-5	Clarification of address resolution for IMS	approved	F	5.3.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010714	23.228	105		5.2.0	Rel-5	Codec knowledge in IMS, draft CR to 23.228	approved	C	5.3.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010714	23.228	106		5.2.0	Rel-5	Unknown subscriber handling in IMS	approved	B	5.3.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010714	23.228	107	1	5.2.0	Rel-5	Correction of 23.228 with regard to security procedures defined in 33.210	approved	F	5.3.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010714	23.228	108	2	5.2.0	Rel-5	UE informed of the reason for de-registration	approved	C	5.3.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010714	23.228	109	2	5.2.0	Rel-5	Clean up of the emergency service sections in 23.228	approved	F	5.3.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010714	23.228	117	1	5.2.0	Rel-5	Corrections to network initiated session release procedures	approved	F	5.3.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010714	23.228	118	2	5.2.0	Rel-5	THIG for the BGCF	approved	C	5.3.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-010714	23.228	119		5.2.0	Rel-5	Network Configuration Independence	approved	C	5.3.0	IP Multimedia Subsystem (IMS); Stage 2	S2

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SP-010715	23.236	001	1	5.0.0	Rel-5	Clarifications of Section 4.5 and 4.7	approved	F	5.1.0	Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes	S2
SP-010715	23.236	003	1	5.0.0	Rel-5	Corrections and Clarifications on Technical Requirements	approved	F	5.1.0	Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes	S2
SP-010715	23.236	004	1	5.0.0	Rel-5	Clarification on chapter 4.2 "Overview"	approved	F	5.1.0	Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes	S2
SP-010715	23.236	005	1	5.0.0	Rel-5	Clarification on chapter 4.3 "Pool area and Network Resource Identification"	approved	F	5.1.0	Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes	S2
SP-010715	23.236	006	1	5.0.0	Rel-5	Clarification on chapter 4.4 "NAS node selection function"	approved	F	5.1.0	Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes	S2
SP-010715	23.236	007	1	5.0.0	Rel-5	Clarification on RNC functions	approved	F	5.1.0	Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes	S2
SP-010715	23.236	008	2	5.0.0	Rel-5	Clarification on MSC functions	approved	F	5.1.0	Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes	S2
SP-010715	23.236	009	2	5.0.0	Rel-5	Clarification on SGSN functions	approved	F	5.1.0	Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes	S2
SP-010715	23.236	010	1	5.0.0	Rel-5	IMSI paging	approved	F	5.1.0	Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes	S2
SP-010707	23.271	036		~~5.0.0~~4.3.0	Rel-4	Clarification on the interworking issue with Pre-REL4 LCS PS Domain	approved	F	~~5.1.0~~4.4.0	Functional stage 2 description of location services	S2
SP-010707	23.271	038	1	5.0.0	Rel-5	LCS Capability Handling for GPRS MS's	approved	B	5.1.0	Functional stage 2 description of location services	S2
SP-010707	23.271	041		~~5.0.0~~4.3.0	Rel-4	Removal of PDP address from HLR/HSS in the MT-LR procedure	approved	F	~~5.1.0~~4.4.0	Functional stage 2 description of location services	S2
SP-010707	23.271	042	1	5.0.0	Rel-5	Removal of PDP address from HLR/HSS in the MT-LR procedure	approved	F	5.1.0	Functional stage 2 description of location services	S2
SP-010707	23.271	043		~~5.0.0~~4.3.0	Rel-4	Response to LCS client in case of deferred MT-LR	approved	F	~~5.1.0~~4.4.0	Functional stage 2 description of location services	S2
SP-010707	23.271	044		5.0.0	Rel-5	Response to LCS client in case of deferred MT-LR	approved	A	5.1.0	Functional stage 2 description of location services	S2
SP-010707	23.271	049	1	5.0.0	Rel-5	SGSN Exception procedures	approved	F	5.1.0	Functional stage 2 description of location services	S2
SP-010707	23.271	050		~~5.0.0~~4.3.0	Rel-4	Correction of refererred signaling step in MO-Location Request	approved	F	~~5.1.0~~4.4.0	Functional stage 2 description of location services	S2
SP-010707	23.271	051	1	5.0.0	Rel-5	Correction of referred signaling step in MO-Location Request	approved	A	5.1.0	Functional stage 2 description of location services	S2
SP-010707	23.271	055		5.0.0	Rel-5	Editorial correction to front page	approved	D	5.1.0	Functional stage 2 description of location services	S2

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SP-010716	23.875	001		5.0.0	Rel-5	Removing an expected completion date in the conclusion part	approved	F	5.1.0	Support of Push service	S2
SP-010696	26.073	013		3.2.0	R99	Correction of RX-DTX handling of NO_DATA frames in AMR decoder	approved	A	3.3.0	AMR speech Codec; C-source code	S4
SP-010696	26.073	014		4.0.0	Rel-4	Correction of RX-DTX handling of NO_DATA frames in AMR decoder	approved	A	4.1.0	AMR speech Codec; C-source code	S4
SP-010697	26.073	015		3.2.0	R99	Correction in AMR decoder to avoid division by zero in RX-DTX handling	approved	A	3.3.0	AMR speech Codec; C-source code	S4
SP-010697	26.073	016		4.0.0	Rel-4	Correction in AMR decoder to avoid division by zero in RX-DTX handling	approved	A	4.1.0	AMR speech Codec; C-source code	S4
SP-010698	26.103	010		4.1.0	Rel-4	Removal of AMR-WB codec type	approved	F	4.2.0	Codec lists	S4
SP-010698	26.103	011		3.0.0	R99	Inclusion of codec type UMTS AMR_2 in R99 codec list	approved	F	3.1.0	Codec lists	S4
SP-010699	26.173	009		5.2.0	Rel-5	Incorrect mode usage during DTX	approved	F	5.3.0	ANSI-C code for the Adaptive Multi Rate (AMR) Wideband speech codec	S4
SP-010699	26.173	010		5.2.0	Rel-5	Correction of homing function for 23.85 kbit/s mode	approved	F	5.3.0	ANSI-C code for the Adaptive Multi Rate (AMR) Wideband speech codec	S4
SP-010700	26.174	002		5.1.1	Rel-5	Update of AMR-WB test sequences	approved	F	5.2.0	AMR speech codec, wideband; Test sequences	S4
SP-010701	26.190	001		5.0.0	Rel-5	Inconsistency between TS 26.190 and TS 26.173	approved	F	5.1.0	Mandatory Speech Codec speech processing functions AMR Wideband speech codec; Transcoding functions	S4
SP-010702	26.233	001	1	4.0.0	Rel-4	Correction of RTSP TEARDOWN protocol flow in Figure 1	approved	F	4.1.0	End-to-end transparent streaming service; General description	S4
SP-010703	26.234	007		4.1.0	Rel-4	Correction of SDP Usage	approved	F	4.2.0	End-to-end transparent streaming service; Protocols and codecs	S4
SP-010703	26.234	008	1	4.1.0	Rel-4	Implementation guidelines for RTSP and RTP	approved	F	4.2.0	End-to-end transparent streaming service; Protocols and codecs	S4
SP-010703	26.234	009		4.1.0	Rel-4	Correction to media type decoder support in the PSS client	approved	F	4.2.0	End-to-end transparent streaming service; Protocols and codecs	S4
SP-010703	26.234	010		4.1.0	Rel-4	Amendments to file format support for 26.234 release 4	approved	F	4.2.0	End-to-end transparent streaming service; Protocols and codecs	S4
SP-010704	28.062	002		4.1.1	Rel-4	Corrections	approved	F	4.2.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	S4
SP-010704	28.062	003		4.1.1	Rel-4	Corrections	approved	F	4.2.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	S4
SP-010633	32.015	032		3.7.0	R99	Specification of the "Data Record Format" and "Data Record Format Version"	approved	F	3.8.0	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain	S5
SP-010632	32.015	033		3.7.0	R99	Precision of encoding rule for CDR item "Access Point Name"	approved	F	3.8.0	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain	S5
SP-010633	32.015	034		3.7.0	R99	Correction of ASN.1 data items QoSMeanThroughtput/QosInformation	approved	F	3.8.0	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain	S5
SP-010638	32.104	010		3.4.0	R99	Correction of declaration in XML header	approved	F	3.5.0	3G Performance Management	S5

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SP-010635	32.106-4	001		3.1.0	R99	Correction of undefined and conflicting ASN.1 definitions	approved	F	3.2.0	Telecommunication Management; Configuration Management; Part 4: Notification Integration Reference Point: CMIP Solution Set Version 1:1	S5
SP-010636	32.106-7	004		3.2.0	R99	Correction of improper module name in GDMO definition	approved	F	3.3.0	Telecommunication Management; Configuration Management; Part 7: Basic Configuration Management IRP CMIP solution set version 1:1	S5
SP-010639	32.111-2	010		4.1.0	Rel-4	Correction of notifyChangedAlarm example #2	approved	F	4.2.0	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	S5
SP-010639	32.111-2	011		4.1.0	Rel-4	Update of notificationId missing in To-state of notifyClearedAlarm	approved	F	4.2.0	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	S5
SP-010637	32.111-3	013		3.5.0	R99	Removal of Rel-4-specific functionality mistakenly introduced in R99	approved	F	3.6.0	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	S5
SP-010635	32.111-4	002		3.1.1	R99	Correction of undefined and conflicting ASN.1 definitions	approved	F	3.2.0	Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set	S5
SP-010640	32.111-4	003		4.0.0	Rel-4	Change of qualifier for setComment and notifyComment	approved	F	4.1.0	Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set	S5
SP-010640	32.111-4	004		4.0.0	Rel-4	Addition of missing parameter in notifyComments	approved	F	4.1.0	Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set	S5
SP-010633	32.215	001		4.0.0	Rel-4	Specification of the "Data Record Format" and "Data Record Format Version"	approved	A	4.1.0	Telecom Management; Charging management; Charging data description for the Packet Switched (PS) domain	S5
SP-010633	32.215	002		4.0.0	Rel-4	Correction of ASN.1 data item QosInformation	approved	F	4.1.0	Telecom Management; Charging management; Charging data description for the Packet Switched (PS) domain	S5
SP-010634	32.215	003		4.0.0	Rel-4	Correction of ASN.1 statements for backwards compatibility reason	approved	F	4.1.0	Telecom Management; Charging management; Charging data description for the Packet Switched (PS) domain	S5
SP-010641	32.300	001		4.0.0	Rel-4	Alignement of Figure C.1 with text in Annex C	approved	F	4.1.0	Telecommunication Management; 3G configuration management; Name convention for Managed Objects	S5
SP-010642	32.302	001		4.0.0	Rel-4	Remove ambiguity of the return information for getNotificationCategories() operation	approved	F	4.1.0	Telecommunication Management; Configuration Management; Notification Integration Reference Point; Information Service version 1	S5
SP-010653	32.302	002		4.1.0	Rel-5	Change from Mandatory to Conditional the qualifier of the output parameter 'NotificationCategorySet' of the operation 'getSubscriptionStatus'	approved	C	5.0.0	Telecommunication Management; Configuration Management; Notification Integration Reference Point; Information Service version 1	S5

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SP-010653	32.304	004		4.1.0	Rel-5	Maximise the reuse of ITU-T CMIP event report management functions	approved	C	5.0.0	Telecommunication Management; Configuration Management; Notification Integration Reference Point: CMIP Solution Set Version 1:1	S5
SP-010638	32.401	001		4.0.0	Rel-4	Correction of declaration in XML header	approved	A	4.1.0	Telecommunication management; Performance Management (PM); Concept and requirements	S5
SP-010643	32.604	003		4.1.0	Rel-4	Alignment with ITU-T Rec. X.710 (CMISE) 1997	approved	F	4.2.0	Telecommunication Management; Configuration Management; Basic configuration management IRP CMIP solution set	S5
SP-010644	32.613	001		4.0.0	Rel-4	Correction of a notification name and Addition of missing table for fallback operation	approved	F	4.1.0	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: CORBA solution set	S5
SP-010644	32.613	002		4.0.0	Rel-4	Corrections to the exceptions in the Bulk CM IRP CORBA Solution Set	approved	F	4.1.0	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: CORBA solution set	S5
SP-010645	32.615	001		4.0.0	Rel-4	Addition of MCC and MNC attributes to GSM cell related MOCs in Bulk CM XML file format	approved	F	4.1.0	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: XML file format definition	S5
SP-010646	32.623	002		4.1.0	Rel-4	Change type "integer" to "long" in the Generic Network Resources IRP: CORBA SS	approved	F	4.2.0	Telecommunication Management; Configuration Management; Generic network resources IRP: CORBA solution set	S5
SP-010647	32.623	003		4.1.0	Rel-4	Correction of Generic NRM CORBA Solution Set IDL definitions	approved	F	4.2.0	Telecommunication Management; Configuration Management; Generic network resources IRP: CORBA solution set	S5
SP-010648	32.624	003		4.1.0	Rel-4	Change to Read/Write the attribute “userDefinedState” in MOC “ManagementNode”	approved	F	4.2.0	Telecommunication Management; Configuration Management; Generic network resources: IRP CMIP solution set	S5
SP-010649	32.632	001		4.0.0	Rel-4	Removal of MOC FnrFunction from the diagrams	approved	F	4.1.0	Telecommunication Management; Configuration Management; Core Network Resources IRP: NRM	S5
SP-010646	32.643	001		4.0.0	Rel-4	Change type "integer" to "long" in the UTRAN Network Resources IRP: CORBA SS	approved	F	4.1.0	Telecommunication Management; Configuration Management; UTRAN network resources IRP: CORBA solution set	S5
SP-010650	32.652	002		4.1.0	Rel-4	Correction of references	approved	F	4.2.0	Telecommunication Management; Configuration Management; GERAN network resources IRP: NRM	S5

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SP-010646	32.653	001		4.0.0	Rel-4	Change type "integer" to "long" in the GERAN Network Resources IRP: CORBA SS	approved	F	4.1.0	Telecommunication Management; Configuration Management; GERAN network resources IRP: CORBA solution set	S5
SP-010651	32.653	002		4.0.0	Rel-4	Addition of MCC and MNC in the object model	approved	F	4.1.0	Telecommunication Management; Configuration Management; GERAN network resources IRP: CORBA solution set	S5
SP-010608	33.102	156		3.9.0	R99	Annex F.2 (changing list parameters) modification	approved	F	3.10.0	3G security; Security architecture	S3
SP-010608	33.102	157		4.2.0	Rel-4	Annex F.2 (changing list parameters) modification	approved	A	4.3.0	3G security; Security architecture	S3
SP-010609	33.102	158		3.9.0	R99	Sequence Number Management Corrections	approved	F	3.10.0	3G security; Security architecture	S3
SP-010609	33.102	159		4.2.0	Rel-4	Sequence Number Management Corrections	approved	A	4.3.0	3G security; Security architecture	S3
SP-010610	33.102	160		3.9.0	R99	SQNMS retrieval in AuC during resynchronisation.	approved	F	3.10.0	3G security; Security architecture	S3
SP-010610	33.102	161		4.2.0	Rel-4	SQNMS retrieval in AuC during resynchronisation.	approved	A	4.3.0	3G security; Security architecture	S3
SP-010611	33.102	162		4.2.0	Rel-5	Configurability of cipher use	revised	A	5.0.0	3G security; Security architecture	S3
SP-010760	33.102	162	1	4.2.0	Rel-5	Configurability of cipher use	rejected	A	5.0.0	3G security; Security architecture	S3
SP-010612	33.107	009		4.1.0	Rel-4	Start of secondary interception of an active PDP context	approved	F	4.2.0	3G security; Lawful interception architecture and functions	S3
SP-010612	33.107	010		5.0.0	Rel-5	Start of secondary interception of an active PDP context	approved	A	5.1.0	3G security; Lawful interception architecture and functions	S3
SP-010613	33.107	011		5.0.0	Rel-5	Alignment of TS 33.107 for Release 5 Network Architecture	approved	C	5.1.0	3G security; Lawful interception architecture and functions	S3
SP-010614	33.107	012		3.3.0	R99	Correct the MO-SMS and MT-SMS events	approved	F	3.4.0	3G security; Lawful interception architecture and functions	S3
SP-010614	33.107	013		4.1.0	Rel-4	Correct the MO-SMS and MT-SMS events	approved	A	4.2.0	3G security; Lawful interception architecture and functions	S3
SP-010614	33.107	014		5.0.0	Rel-5	Correct the MO-SMS and MT-SMS events	approved	A	5.1.0	3G security; Lawful interception architecture and functions	S3
SP-010615	33.107	015		4.1.0	Rel-4	Source of PDP context initiation	approved	F	4.2.0	3G security; Lawful interception architecture and functions	S3
SP-010615	33.107	016		5.0.0	Rel-5	Source of PDP context initiation	approved	A	5.1.0	3G security; Lawful interception architecture and functions	S3
SP-010616	33.200	012		4.1.0	Rel-4	MEA encryption algorithm update	approved	F	4.2.0	Network Domain Security - MAP	S3
SP-010728	33.200	013		4.1.0	Rel-4	Use of 'Original component identifier' during MAPsec processing	approved	F	4.2.0	Network Domain Security - MAP	S3
SP-010617	33.200	013		4.1.0	Rel-4	Use of 'Original component identifier' during MAPsec processing	withdrawn	F	4.2.0	Network Domain Security - MAP	S3
SP-010727	33.200	014		4.1.0	Rel-4	Protection Profiles correction	approved	F	4.2.0	Network Domain Security - MAP	S3
SP-010617	33.200	014		4.1.0	Rel-4	Protection Profiles correction	withdrawn	F	4.2.0	Network Domain Security - MAP	S3
SP-010729	33.200	015		4.1.0	Rel-4	Policy configuration clarification	approved	F	4.2.0	Network Domain Security - MAP	S3
SP-010617	33.200	015		4.1.0	Rel-4	Policy configuration clarification	withdrawn	F	4.2.0	Network Domain Security - MAP	S3
SP-010618	33.200	016		4.1.0	Rel-4	The Soft Expiry Time for the MAPsec SA	approved	F	4.2.0	Network Domain Security - MAP	S3
SP-010619	33.200	017		4.1.0	Rel-4	Removing the Sending PLMN-Id from Security Header	approved	F	4.2.0	Network Domain Security - MAP	S3
SP-010727	33.200	018		4.1.0	Rel-4	Protection Profile Revision Identifier	approved	F	4.2.0	Network Domain Security - MAP	S3
SP-010617	33.200	018		4.1.0	Rel-4	Protection Profile Revision Identifier	withdrawn	F	4.2.0	Network Domain Security - MAP	S3
SP-010618	33.200	019		4.1.0	Rel-4	Completing the specification of a MAPsec SA	approved	F	4.2.0	Network Domain Security - MAP	S3

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SP-010620	35.201	001		3.1.2	R99	Correct the maximum input message length for f8 and f9	approved	F	3.2.0	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications	S3
SP-010620	35.201	002		4.0.0	Rel-4	Correct the maximum input message length for f8 and f9	approved	A	4.1.0	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications	S3
SP-010658	41.102	003	-	4.2.0	Rel-4	Correction to list of specs	revised	F	4.3.0	GSM Release 4 specifications	SP
SP-010754	41.102	003	1	4.2.0	Rel-4	Correction to list of specs	approved	F	4.3.0	GSM Release 4 specifications	SP
TP-010241	03.19	A017		8.2.0	R99	Clarification of ToolkitException.OUT_OF_TLV_BOUNDARIES in ViewHandler.java	approved	F	8.3.0	GSM API for SIM toolkit stage 2	T3
TP-010280	03.40	A090		6.1.0	R97	Correction on SMS Information Element Data Length	approved	F	6.2.0	Technical Realization of the Short Message Service (SMS) Point-to-poin (PP)	T2
TP-010280	03.40	A091		7.4.0	R98	Correction on SMS Information Element Data Length	approved	A	7.5.0	Technical Realization of the Short Message Service (SMS) Point-to-poin (PP)	T2
TP-010242	03.48	A021		8.7.0	R99	Clarification of the APDU Access Domain	approved	F	8.8.0	Security mechanisms for SIM application toolkit; Stage 2	T3
TP-010242	03.48	A022		8.7.0	R99	Correction of Response Header Length (RHL) definition	approved	F	8.8.0	Security mechanisms for SIM application toolkit; Stage 2	T3
TP-010269	07.07	A090	1	7.6.0	R98	Obsolete +CGCLOSP and corrections due to IHOSS and OSP removal	approved	F	7.7.0	AT Command set for GSM Mobile Equipment (ME)	T2
TP-010244	11.11	A129		7.6.1	R98	Addition of procedures for GPRS files	approved	F	7.7.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	T3
TP-010244	11.11	A130		8.5.0	R99	Collection of corrections	approved	F	8.6.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	T3
TP-010241	11.13	A003		7.2.0	R98	Specification for framework part	approved	F	7.3.0	Test specification for SIM API for Java card	T3
TP-010241	11.13	A004		7.2.0	R98	Alignment with core specifciation	approved	F	7.3.0	Test specification for SIM API for Java card	T3
TP-010243	11.14	A208		8.8.0	R99	Corrections	approved	F	8.9.0	Specification of the SIM Application Toolkit for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3
TP-010280	23.038	008		4.3.0	Rel-4	Deletion of GSM 01.04 reference	approved	F	4.4.0	Alphabets and language-specific information	T2
TP-010280	23.040	034		5.1.0	Rel-5	Correction of Data Format Delivery Request	approved	F	5.2.0	Technical realization of Short Message Service (SMS)	T2
TP-010280	23.040	035		5.1.0	Rel-5	Information Element Classification	approved	F	5.2.0	Technical realization of Short Message Service (SMS)	T2
TP-010280	23.040	036		5.1.0	Rel-5	Clarification of LZSS compression for “EXTENDED OBJECTS” in EMS	approved	F	5.2.0	Technical realization of Short Message Service (SMS)	T2
TP-010280	23.040	037		5.1.0	Rel-5	Extended Object Positioning	approved	F	5.2.0	Technical realization of Short Message Service (SMS)	T2
TP-010280	23.040	038		3.6.0	R99	Correction on SMS Information Element Data Length	approved	A	3.7.0	Technical realization of Short Message Service (SMS)	T2

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TP-010280	23.040	039		4.4.0	Rel-4	Correction on SMS Information Element Data Length	approved	A	4.5.0	Technical realization of Short Message Service (SMS)	T2
TP-010280	23.040	040		5.1.0	Rel-5	Correction on SMS Information Element Data Length	approved	A	5.2.0	Technical realization of Short Message Service (SMS)	T2
TP-010280	23.041	008		4.1.0	Rel-4	Clarification on the use of Message IDs in multi-technology networks	approved	F	4.2.0	Technical realization of Cell Broadcast Service (CBS)	T2
TP-010242	23.048	007		5.1.0	Rel-5	Definition of a Minimum Security Level	approved	B	5.2.0	Security Mechanisms for the (U)SIM application toolkit; Stage 2	T3
TP-010242	23.048	008		5.1.0	Rel-5	Maximum number of timer allowed for applet instance	approved	C	5.2.0	Security Mechanisms for the (U)SIM application toolkit; Stage 2	T3
TP-010242	23.048	011		4.1.0	Rel-4	Clarification of the APDU Access Domain	approved	F	4.2.0	Security Mechanisms for the (U)SIM application toolkit; Stage 2	T3
TP-010242	23.048	012		5.1.0	Rel-5	Clarification of the APDU Access Domain	approved	A	5.2.0	Security Mechanisms for the (U)SIM application toolkit; Stage 2	T3
TP-010242	23.048	013		4.1.0	Rel-4	Clarification on computation of DES in CBC mode	approved	F	4.2.0	Security Mechanisms for the (U)SIM application toolkit; Stage 2	T3
TP-010242	23.048	014		5.1.0	Rel-5	Clarification on computation of DES in CBC mode	approved	A	5.2.0	Security Mechanisms for the (U)SIM application toolkit; Stage 2	T3
TP-010242	23.048	015		4.1.0	Rel-4	Correction of Response Header Length (RHL) definition	approved	F	4.2.0	Security Mechanisms for the (U)SIM application toolkit; Stage 2	T3
TP-010242	23.048	016		5.1.0	Rel-5	Correction of Response Header Length (RHL) definition	approved	A	5.2.0	Security Mechanisms for the (U)SIM application toolkit; Stage 2	T3
TP-010268	23.057	098		4.3.1	Rel-4	Changing figure number 6A to 7	approved	F	4.4.0	Mobile Execution Environment (MExE); Functional description; Stage 2	T2
TP-010268	23.057	099		4.3.1	Rel-4	Spell check and clarifications	approved	F	4.4.0	Mobile Execution Environment (MExE); Functional description; Stage 2	T2
TP-010268	23.057	100		4.3.1	Rel-4	Addition reference to 23.227	approved	F	4.4.0	Mobile Execution Environment (MExE); Functional description; Stage 2	T2
TP-010268	23.057	101		4.3.1	Rel-4	Certificate chain level inconsistency	approved	F	4.4.0	Mobile Execution Environment (MExE); Functional description; Stage 2	T2
TP-010268	23.057	102		4.3.1	Rel-4	Signature algorithm specification	approved	F	4.4.0	Mobile Execution Environment (MExE); Functional description; Stage 2	T2
TP-010268	23.057	103		4.3.1	Rel-4	Marking MRPK/ARPK Invalid through Secure Mechanism	approved	F	4.4.0	Mobile Execution Environment (MExE); Functional description; Stage 2	T2
TP-010268	23.057	104		4.3.1	Rel-4	Context of MCC+MNC Missing	approved	F	4.4.0	Mobile Execution Environment (MExE); Functional description; Stage 2	T2
TP-010268	23.057	105		4.3.1	Rel-4	Removing References to Sun Microsystems	approved	F	4.4.0	Mobile Execution Environment (MExE); Functional description; Stage 2	T2
TP-010268	23.057	106		4.3.1	Rel-4	Correction of PKCS #15 reference and editorial changes	approved	F	4.4.0	Mobile Execution Environment (MExE); Functional description; Stage 2	T2
TP-010280	23.140	018		4.4.0	Rel-4	Reference to TS 29.061 specification on RADIUS usage	approved	F	4.5.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-010280	23.140	019		5.0.0	Rel-5	Reference to TS 29.061 specification on RADIUS usage	approved	A	5.1.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-010280	23.140	020		5.0.0	Rel-5	Clarification of the reply-charging service behaviour description	approved	F	5.1.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-010280	23.140	021		4.4.0	Rel-4	Correction of MM Status Code	approved	F	4.5.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2

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TP-010280	23.140	022		4.4.0	Rel-4	Clarification of Forwarding in MM1 message retrieval	approved	F	4.5.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-010280	23.140	023		5.0.0	Rel-5	Clarification of Forwarding in MM1 message retrieval	approved	A	5.1.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-010280	23.140	024		4.4.0	Rel-4	Removing inconsistency of mandated functionality	approved	F	4.5.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-010280	23.140	025		5.0.0	Rel-5	Removing inconsistency of mandated functionality	approved	A	5.1.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-010280	23.140	026		5.0.0	Rel-5	Correction of MM Status Code	approved	A	5.1.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-010280	23.140	027		4.4.0	Rel-4	Correction on MM1 and MM4 abstract messages	approved	F	4.5.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-010280	23.140	028		5.0.0	Rel-5	Correction on MM1 and MM4 abstract messages	approved	A	5.1.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-010280	23.140	029		4.4.0	Rel-4	clarification of status codes in MM4_read_reply_report.REQ	approved	F	4.5.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-010280	23.140	030		5.0.0	Rel-5	clarification of status codes in MM4_read_reply_report.REQ	approved	A	5.1.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-010280	23.140	031		5.0.0	Rel-5	Configuration of MMS-capable Ues	approved	B	5.1.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-010280	23.140	032		5.0.0	Rel-5	MMS address hiding	approved	F	5.1.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-010280	23.140	033		5.0.0	Rel-5	reply-charging clarifications	approved	F	5.1.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-010269	23.227	001		4.0.0	Rel-5	Expansion of introduction and clarifications of scope	approved	F	5.0.0	Application and user interaction in the UE; Principles and specific requirements	T2
TP-010269	23.227	002		4.0.0	Rel-4	Correction in WAP Forum Reference	approved	F	4.1.0	Application and user interaction in the UE; Principles and specific requirements	T2
TP-010269	23.227	003		4.0.0	Rel-4	Text added to Figure A.1	approved	F	4.1.0	Application and user interaction in the UE; Principles and specific requirements	T2
TP-010269	23.227	004		4.0.0	Rel-5	Add the interaction requirements for USAT bearer indepenedent protocol via local links	approved	F	5.0.0	Application and user interaction in the UE; Principles and specific requirements	T2
TP-010269	27.007	069	1	3.9.0	R99	Obsolete +CGCLOSP and corrections due to IHOSS and OSP removal	approved	A	3.10.0	AT command set for 3G User Equipment (UE)	T2
TP-010269	27.007	070	1	4.2.0	Rel-4	Obsolete +CGCLOSP and corrections due to IHOSS and OSP removal	approved	A	4.3.0	AT command set for 3G User Equipment (UE)	T2
TP-010269	27.007	071	1	3.9.0	R99	Obsolete +CGCLPAD and corrections due to X.25 removal	approved	F	3.10.0	AT command set for 3G User Equipment (UE)	T2
TP-010269	27.007	072	1	4.2.0	Rel-4	Obsolete +CGCLPAD and corrections due to X.25 removal	approved	A	4.3.0	AT command set for 3G User Equipment (UE)	T2
TP-010269	27.007	073		3.9.0	R99	Clarifications to AT commands used with circuit swiched data	approved	F	3.10.0	AT command set for 3G User Equipment (UE)	T2
TP-010269	27.007	074		4.2.0	Rel-4	Clarifications to AT commands used with circuit swiched data	approved	A	4.3.0	AT command set for 3G User Equipment (UE)	T2
TP-010269	27.007	075		3.9.0	R99	Correction in the +CGACT command explanation	approved	F	3.10.0	AT command set for 3G User Equipment (UE)	T2
TP-010269	27.007	076		4.2.0	Rel-4	Correction in the +CGACT command explanation	approved	A	4.3.0	AT command set for 3G User Equipment (UE)	T2

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TP-010269	27.007	077		4.2.0	Rel-4	Correction of chapter heading and references	approved	F	4.3.0	AT command set for 3G User Equipment (UE)	T2
TP-010269	27.007	078		3.9.0	R99	Different compression algorithms in AT command +CGDCONT and +CGDSCONT	approved	F	3.10.0	AT command set for 3G User Equipment (UE)	T2
TP-010269	27.007	079		4.2.0	Rel-4	Different compression algorithms in AT command +CGDCONT and +CGDSCONT	approved	A	4.3.0	AT command set for 3G User Equipment (UE)	T2
TP-010269	27.007	080		4.2.0	Rel-5	New AT command +CRMC (Ring Melody Control)	approved	B	5.0.0	AT command set for 3G User Equipment (UE)	T2
TP-010269	27.007	081		4.2.0	Rel-5	Added reference to 23.227	approved	B	5.0.0	AT command set for 3G User Equipment (UE)	T2
TP-010244	31.102	100		3.7.0	R99	General corrections	approved	F	3.8.0	Characteristics of the USIM Application	T3
TP-010244	31.102	101		4.2.0	Rel-4	General corrections	approved	A	4.3.0	Characteristics of the USIM Application	T3
TP-010244	31.102	102		4.2.0	Rel-4	Optional commands	approved	F	4.3.0	Characteristics of the USIM Application	T3
TP-010244	31.102	103		4.2.0	Rel-4	Correction to EF(OPL)	approved	F	4.3.0	Characteristics of the USIM Application	T3
TP-010246	31.110	004		4.0.0	Rel-4	Replacement of Content with a reference to TS 101 220	approved	D	4.1.0	Numbering system for telecommunication IC card applications	T3
TP-010243	31.111	059		4.4.0	Rel-4	Reservation of byte in terminal profile	approved	F	4.5.0	USIM Application Toolkit (USAT)	T3
TP-010243	31.111	060		3.6.0	R99	Corrections to the bearer independant protocol feature	approved	F	3.7.0	USIM Application Toolkit (USAT)	T3
TP-010243	31.111	061		4.4.0	Rel-4	Corrections to the bearer independant protocol feature	approved	A	4.5.0	USIM Application Toolkit (USAT)	T3
TP-010245	31.112	001		5.0.0	Rel-5	Correction of TAR value usage	approved	F	5.1.0	USAT Interpreter Architecture Description; Stage 2	T3
TP-010245	31.113	001		5.0.0	Rel-5	Addition of SendAdditionalInformation attribute	approved	F	5.1.0	USAT interpreter byte codes	T3
TP-010245	31.113	002		5.0.0	Rel-5	Collection of clarifications	approved	F	5.1.0	USAT interpreter byte codes	T3
TP-010245	31.113	003		5.0.0	Rel-5	Changes to USAT Interpreter system information partition table	approved	C	5.1.0	USAT interpreter byte codes	T3
TP-010245	31.113	004		5.0.0	Rel-5	comparison with a variable value	approved	B	5.1.0	USAT interpreter byte codes	T3
TP-010247	31.122	001		3.0.0	R99	Corrections	approved	F	3.1.0	USIM conformance test specification	T3
TP-010247	31.122	004	1	3.0.0	R99	Change test for TLV DO with tag '82' and '83'	approved	F	3.1.0	USIM conformance test specification	T3
TP-010258	34.108	064		3.5.0	R99	Correction to 6.1 Contents of System Information Blocks	revised	F	3.6.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010285	34.108	064	1	3.5.0	R99	Correction to 6.1 Contents of System Information Blocks	approved	F	3.6.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010258	34.108	065		4.0.0	Rel-4	Correction to 6.1 Contents of System Information Blocks	revised	A	4.1.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010285	34.108	065	1	4.0.0	Rel-4	Correction to 6.1 Contents of System Information Blocks	approved	A	4.1.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010258	34.108	066		3.5.0	R99	Corrections to clause 6.1, 7.4 and 9	revised	F	3.6.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010285	34.108	066	1	3.5.0	R99	Corrections to clause 6.1, 7.4 and 9	approved	F	3.6.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010258	34.108	067		4.0.0	Rel-4	Corrections to clause 6.1, 7.4 and 9	revised	A	4.1.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010285	34.108	067	1	4.0.0	Rel-4	Corrections to clause 6.1, 7.4 and 9	approved	A	4.1.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010258	34.108	068		3.5.0	R99	Reference Radio Conditions	approved	F	3.6.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1

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TP-010258	34.108	069		4.0.0	Rel-4	Reference Radio Conditions	approved	A	4.1.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010258	34.108	070		3.5.0	R99	Modification of Test procedures for RF tests	approved	F	3.6.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010258	34.108	071		4.0.0	Rel-4	Modification of Test procedures for RF tests	approved	A	4.1.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010258	34.108	072		3.5.0	R99	Default message contents for RF tests	approved	F	3.6.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010258	34.108	073		4.0.0	Rel-4	Default message contents for RF tests	approved	A	4.1.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010258	34.108	074		3.5.0	R99	Correction to 6.10 Reference Radio Bearer configurations	approved	F	3.6.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010258	34.108	075		4.0.0	Rel-4	Correction to 6.10 Reference Radio Bearer configurations	approved	A	4.1.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010258	34.108	076		3.5.0	R99	Definition of default value of rate matching attribute	approved	F	3.6.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010258	34.108	077		4.0.0	Rel-4	Definition of default value of rate matching attribute	approved	A	4.1.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010258	34.108	078		3.5.0	R99	Update of clause 7.4 and 6.10	approved	F	3.6.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010258	34.108	079		4.0.0	Rel-4	Update of clause 7.4 and 6.10	approved	A	4.1.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010291	34.108	080		3.5.0	R99	Correction on introduction of section 6.10	approved	F	3.6.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010292	34.108	081		4.0.0	Rel-4	Correction on introduction of section 6.10	approved	A	4.1.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-010259	34.121	111		3.6.0	R99	Improvement of test description: CPICH RSCP test case	approved	F	3.7.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010259	34.121	112		3.6.0	R99	Improvement of test description: CPICH Ec/Io test case	approved	F	3.7.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010259	34.121	113		3.6.0	R99	UTRA Carrier RSSI test case	approved	F	3.7.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010259	34.121	114		3.6.0	R99	Corrections and improvements for TS 34.121 subclauses 5, 6 and Annex E	approved	F	3.7.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010259	34.121	115		3.6.0	R99	Clarification of test requirements for Transmit ON/OFF time mask	approved	F	3.7.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010259	34.121	116		3.6.0	R99	Clarification of procedure for Out-of-synchronisation handling of output power	approved	F	3.7.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010259	34.121	117		3.6.0	R99	UE Rx-Tx time difference type 1	approved	F	3.7.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010259	34.121	118		3.6.0	R99	UE Transmit Timing	approved	F	3.7.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010259	34.121	119		3.6.0	R99	Changes to blocking characteristics and spurious response test cases	approved	F	3.7.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010259	34.121	120		3.6.0	R99	Clarification in Spectrum emission mask section	approved	F	3.7.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010259	34.121	121		3.6.0	R99	DL Power Control Step Size in performance requirements	approved	F	3.7.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1

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TP-010259	34.121	122		3.6.0	R99	DL Compressed mode, correction of pattern	approved	F	3.7.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010259	34.121	123		3.6.0	R99	BER/BLER testing based on statistical approach	approved	F	3.7.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010259	34.121	124		3.6.0	R99	Deletion of OFF power measurement on "Power setting in uplink compressed mode" Test	approved	F	3.7.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010259	34.121	125		3.6.0	R99	Cell reselection delay tests in idle mode	approved	F	3.7.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010259	34.121	126		3.6.0	R99	CR for Transmit OFF power measurement	approved	F	3.7.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-010260	34.122	052		3.5.0	R99	Clarification of AWGN definition	approved	F	3.6.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010260	34.122	053		3.5.0	R99	RX spurious emissions	approved	F	3.6.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010260	34.122	054		3.5.0	R99	Correction of Spurious emissions	approved	F	3.6.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010260	34.122	055		3.5.0	R99	Power and ACLR definition corrections	approved	F	3.6.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010260	34.122	056		3.5.0	R99	Out of synchronisation handling	approved	F	3.6.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010260	34.122	057		3.5.0	R99	Clarification in Spectrum emission mask section	approved	F	3.6.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010260	34.122	058		3.5.0	R99	Changes to blocking characteristics and spurious response test cases	approved	F	3.6.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010260	34.122	059		3.5.0	R99	maximum output power for mulicode transimission	approved	F	3.6.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010260	34.122	060		3.5.0	R99	BER/BLER testing based on statistical approach	approved	F	3.6.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010260	34.122	061		4.1.0	Rel-4	Clarification of AWGN definition	approved	A	4.2.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010260	34.122	062		4.1.0	Rel-4	RX spurious emissions	approved	A	4.2.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010260	34.122	063		4.1.0	Rel-4	Correction of Spurious emissions	approved	A	4.2.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010260	34.122	064		4.1.0	Rel-4	Power and ACLR definition corrections	approved	A	4.2.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010260	34.122	065		4.1.0	Rel-4	Out of synchronisation handling	approved	A	4.2.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010260	34.122	066		4.1.0	Rel-4	Clarification in Spectrum emission mask section	approved	A	4.2.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010260	34.122	067		4.1.0	Rel-4	Changes to blocking characteristics and spurious response test cases	approved	A	4.2.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010260	34.122	068		4.1.0	Rel-4	maximum output power for mulicode transimission	approved	A	4.2.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-010260	34.122	069		4.1.0	Rel-4	BER/BLER testing based on statistical approach	approved	A	4.2.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1

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TP-010261	34.123-1	113		4.0.0	Rel-4	Clause 7.3: PDCP testing: additional configuration information	approved	F	4.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010261	34.123-1	114		4.0.0	Rel-4	Clause 7.4: BMC testing: update for BMC testing	approved	F	4.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010261	34.123-1	115		4.0.0	Rel-4	Clause 7.2: Update of UM and AM RLC test cases	approved	F	4.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010261	34.123-1	116		4.0.0	Rel-4	Idle mode tests (34.123-1)	approved	F	4.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010261	34.123-1	117		4.0.0	Rel-4	Removal of TBD Power Levels in section 6	approved	F	4.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010261	34.123-1	118		4.0.0	Rel-4	Idle Mode Test Parameters for Multi-mode environment (2G/3G) TDD	approved	F	4.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010261	34.123-1	119		4.0.0	Rel-4	Traffic Volume Measurement test cases (34.123-1 section 8.4)	approved	F	4.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010261	34.123-1	120		4.0.0	Rel-4	New interRAT test cases	approved	F	4.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010261	34.123-1	121		4.0.0	Rel-4	Corrections to Annex A	approved	F	4.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010261	34.123-1	122		4.0.0	Rel-4	Clause 12 Packet Switched Mobility Management	approved	F	4.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010261	34.123-1	123		4.0.0	Rel-4	Update to GMM test cases	approved	F	4.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010261	34.123-1	124		4.0.0	Rel-4	Update of interoperbility radio bearer test cases for FDD.	approved	F	4.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010261	34.123-1	125		4.0.0	Rel-4	Update to SMS test specification	approved	F	4.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010261	34.123-1	126		4.0.0	Rel-4	Corrections to RRC test cases	approved	F	4.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010261	34.123-1	127		4.0.0	Rel-4	RRC Connection Management Procedure Tests for the TDD options	approved	F	4.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010261	34.123-1	128		4.0.0	Rel-4	Annex A Default RRC Message Contents for 1.28Mcps TDD Mode	approved	F	4.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1

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TP-010261	34.123-1	129		4.0.0	Rel-4	Radio Bearer Tests for 1.28 Mcps TDD Mode	approved	F	4.1.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-010262	34.123-2	035		4.0.0	Rel-4	updated applicability for PDCP testing	approved	F	4.1.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-010262	34.123-2	036		4.0.0	Rel-4	Applicability test for Idle mode (section 6.1.2.7 and 6.2) TDD	approved	F	4.1.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-010262	34.123-2	037		4.0.0	Rel-4	ICS/IXIT for traffic volume measurement test cases (34.123-2)	approved	F	4.1.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-010262	34.123-2	038		4.0.0	Rel-4	Applicability of the new interRAT test cases.	approved	F	4.1.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-010262	34.123-2	039		4.0.0	Rel-4	Update to GMM test cases	approved	F	4.1.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-010262	34.123-2	040		4.0.0	Rel-4	Update of applicability of interoperability radio bearer test cases for FDD.	approved	F	4.1.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-010262	34.123-2	041		4.0.0	Rel-4	Update of RRC test case applicability	approved	F	4.1.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-010262	34.123-2	042		4.0.0	Rel-4	Inclusion of Baseline Implementation Capabilities for 1.28 Mcps TDD	approved	F	4.1.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-010262	34.123-2	043		4.0.0	Rel-4	Applicability test for RRC section (TDD)	approved	F	4.1.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-010262	34.123-2	044		4.0.0	Rel-4	Inclusion of Radio Bearer Applicability, Conditions and Capabilities for testing of 1.28 Mcps TDD	approved	F	4.1.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-010241	43.019	001		5.0.1	Rel-5	API methods and Framework behaviour clarifications regarding ProactiveHandler and EnvelopeResponseHandler	approved	F	5.1.0	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	T3
TP-010241	43.019	002		5.0.1	Rel-5	Editorial corrections of constant name	approved	D	5.1.0	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	T3
TP-010241	43.019	003		5.0.1	Rel-5	Addition of the EVENT_FIRST_COMMAND_AFTER_SELECT as a toolkit event	approved	B	5.1.0	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	T3
TP-010241	43.019	004		5.0.1	Rel-5	extension of list of Simple BER TLV tags in sim.toolkit.ToolkitConstants	approved	C	5.1.0	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	T3
TP-010241	43.019	005		5.0.1	Rel-5	ToolkitRegistry methods modification	approved	C	5.1.0	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	T3

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TP-010241	43.019	006		5.0.1	Rel-5	ToolkitRegistry methods modification when no TAR is defined	approved	C	5.1.0	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	T3
TP-010241	43.019	007		5.0.1	Rel-5	Applet triggering on Menu Help Request event	approved	C	5.1.0	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	T3
TP-010241	43.019	008		4.0.0	Rel-4	Clarification of ToolkitException.OUT_OF_TLV_BOUNDARIES in ViewHandler.java	approved	A	4.1.0	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	T3
TP-010241	43.019	009		5.0.1	Rel-5	Clarification of ToolkitException.OUT_OF_TLV_BOUNDARIES in ViewHandler.java	approved	A	5.1.0	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	T3
TP-010244	51.011	004		4.2.0	Rel-4	Collection of corrections	approved	F	4.3.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3
TP-010244	51.011	005		4.2.0	Rel-4	Alignment of SPN feature between 2G and 3G	approved	F	4.3.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3
TP-010244	51.011	006		4.2.0	Rel-4	Restructuring of TS 51.011 to be based on TS 102 221	approved	D	4.3.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3
TP-010244	51.011	007		4.2.0	Rel-5	CHV mapping and handling between USIM- and SIM-applications	approved	F	5.0.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3
TP-010244	51.011	008		4.2.0	Rel-4	Correction to EF(OPL)	approved	F	4.3.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3

Annex G: Definition of Release 4, extracted from the Project Plan - version ~~01/12/12~~02/01/25

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2	TSG RAN	NA	Yes	Evolutions of the transport in the UTRAN	ETRAN	TSG	Mon 17/07/00	Fri 23/08/02	93%	No	No			Francois Courau
12	WG RAN3	Rel4	No	QoS optimisation for AAL2 connections over Iub and Iur interfaces	ETRAN-QoSAAL2	TSG	Mon 21/08/00	Fri 30/03/01	100%	Yes	Yes			T. Yoshimura, Japan Telecom
1995	WG RAN3	Rel4	No	Transport bearer modification procedure on Iub, Iur, and Iu	ETRAN-MigrMod	TSG	Mon 02/10/00	Fri 30/03/01	100%	Yes	Yes			T. Yoshimura, Japan Telecom
4	WG CN4	NA	Yes	Evolutions of the transport in the CN	CNTRSP		Mon 29/05/00	Fri 21/12/01	100%	No	No		WI formulation assigned to N4	
859	WG CN4	Rel4	No	IP Transport of CN protocols (e.g., CAP, MAP)	SS7IP		Thu 07/12/00	Fri 23/03/01	100%	No	No		AS: corrected to Rel4 as stated at SA#10	
1513	WG SA2	Rel4	No	FS on Transport and control separation in the PS CN domain		TSG	Mon 29/05/00	Fri 23/03/01	100%	Yes	Yes		Rel4 added	Juan-Antonio Ibanez, Ericsson Deutschland
1216	TSG RAN	NA	Yes	Improvements of Radio Interface	RInImp	TSG	Mon 03/01/00	~~Fri 14/03/03~~ Mon 30/06/03	~~55~~56 %	No	No			
1509	WG RAN4	Rel4	No	UTRA repeater specification (master)	RInImp-REP	TSG	Mon 10/07/00	Wed 21/03/01	100%	Yes	Yes			"T. Kummetz, Mikom; Alf Ahlström, Allgon"
1994	WG RAN1	Rel4	No	DSCH power control improvement in soft handover	RInImp-DSCHsho	TSG	Mon 11/09/00	Fri 23/03/01	100%	Yes	Yes			A. Toskala, Nokia
9	TSG RAN	NA	Yes	RAN improvements	RANimp	TSG	Mon 03/01/00	~~Fri 27/12/02~~ Mon 30/06/03	~~42~~40 %	No	No			
655	WG RAN1	Rel4	No	Node B synchronisation for TDD	RANimp-NBsync	TSG	Mon 14/08/00	Fri 23/03/01	100%	Yes	Yes			S. Oestreich, Siemens
2206	WG RAN2	Rel4	No	RAB support enhancement - Robust Header Compression (ROHC)	RANimp-RABSE	TSG	Mon 21/08/00	Fri 23/03/01	100%	No	No		"29 Nov 2000: split into ROHC and non-ROHC part; 5 Mar 2001: splitting off of ROHC for Rel-4 agreed by R2"	M. Israelsson, A. Krishnarajah, Ericsson
1652	WG CN1	NA	Yes	Emergency call enhancements	EMC1	WG	Mon 03/01/00	Thu 28/11/02	18%	Yes	No			Mr Rouzbeh, Ericsson
1654	WG CN1	Rel4	No	For CS based calls	EMC1-CS	TSG	Mon 03/01/00	Fri 29/03/02	29%	Yes	Yes		WI approved in TSG_10...	Mr Rouzbeh, Ericsson
1826	WG T2	NA	Yes	Terminal interfaces	TI		Mon 03/01/00	Thu 20/06/02	64%	No	No			

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1827	WG T2	Rel4	No	AT commands enhancements	TI-ATC		Mon 03/01/00	Wed 14/03/01	71%	No	No	27.007		
1829	WG T2	NA	Yes	Wide Area Data Synchronisation	TI-WADS		Mon 03/01/00	Thu 20/06/02	52%	No	No		AS: Rel5 changed to Rel4 according to SA#10 decision, milestone on testing added	
1830	WG T2	Rel4	No	Continues evolution of Synchronisation protocol	TI-SYNC-EVOL		Mon 03/01/00	Wed 14/03/01	100%	No	No	27.903, 27.103		
1832	WG T2	Rel4	No	Terminal local model	TLM	TSG	Tue 16/05/00	Thu 15/03/01	100%	No	Yes	23.227		Olga Tomé, Ericsson
1536	WG SA2	NA	Yes	Location Services enhancements	LCS1	TSG	Mon 03/04/00	Fri 28/06/02	64%	No	No			Jan Kall, Nokia
2229	WG T2	Rel4	No	CBS interactions	LCS1-CBS		Mon 03/04/00	Fri 28/12/01	100%	No	No	23.041		
523	WG SA2	Rel4	No	LCS support in the CS domain	LCS1-CS		Mon 15/05/00	Fri 19/01/01	100%	No	No		Only MAP impact foreseen so far. To be further split if needed.	
525	WG SA2	Rel4	No	LCS support in the PS domain	LCS1-PS		Mon 01/05/00	Fri 28/12/01	92%	No	No			
1600	TSG RAN	NA	No	UE positioning	LCS1-UEpos	TSG	Mon 03/04/00	Fri 29/03/02	61%	Yes	Yes			
1601	WG RAN3	Rel4	No	Iub/Iur interfaces for methods Rel 99	LCS1-UEpos-IubIur	TSG	Mon 03/04/00	Fri 30/03/01	100%	No	Yes		"27/11: WG corrected; rapporteur corrected"	Yun-Chao Hu, Ericsson
1602	WG RAN2	Rel4	No	UE positioning enhancements - IPDL for TDD	LCS1-UEpos-enh	TSG	Mon 28/08/00	Fri 23/03/01	100%	No	No		5 Mar 2001: splitting off of IPDL for TDD for Rel-4 agreed by R2	M. Beckmann, Siemens
1560	WG T3	NA	Yes	UICC/(U)SIM enhancements and interworking	UICC1		Mon 24/07/00	Fri 15/03/02	69%	No	No			
1799	WG T3	Rel4	No	Common PCN Handset Specification (CPHS)	UICC1-CPHS	TSG	Mon 24/07/00	Fri 23/03/01	100%	No	Yes	27.103	28/5/2001: CRs approved at TP-11. WI complete.	?, One2One
1800	WG T3	NA	Yes	(U)SIM toolkit enhancements	USAT1		Mon 05/06/00	Fri 22/03/02	48%	No	No			
2034	WG T3	Rel4	No	USAT local link	USAT1-LocLnk	TSG	Mon 05/06/00	Fri 23/03/01	100%	Yes	Yes		25/5/2001:CR was approved at TP-11. WI is complete	Jean-Francois Rubon (Gemplus)
1571	WG SA3	NA	No	Security enhancements	SEC1	TSG	Mon 03/01/00	Fri 28/06/02	39%	No	No		Added BB UE authentication and rapporteur added. TO BE DELETED	Peter Howard, Vodafone
2099	WG SA3	Rel4	No	New: UE triggered authentication during connections	SEC1-UETADC	TSG	Mon 10/12/01	Mon 10/12/01	0%	No	Yes		"Approved TSG SA #09; S3#17 TO BE DELETED (no supporting companies) TO BE DELETED"	Peter Howard, Vodafone
1587	WG SA3	Rel4	No	Evolution of GSM CS algorithms (e.g. A5/3 development and deployment)	SEC1-CSALGO1	TSG	Mon 03/01/00	Mon 15/01/01	34%	Yes	Yes		Algorithm development go-ahead at SA3#21. Scheduled for completion in August 2002?	?
1588	WG SA3	Rel4	No	Evolution of GSM PS algorithms (e.g. GEA 2 deployment)	SEC1-PSALGO1	TSG	Tue 22/02/00	Fri 22/12/00	100%	Yes	Yes		A5/3 development will consider new GEA algorithm based on Kasumi.	?

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1583	WG SA3	Rel4	Yes	MAP application layer security	SEC1-MAPAL	TSG	Mon 03/01/00	Fri 15/03/02	76%	No	Yes		TO DELETE: REPLACED BY NDS-MAP and NDS-IP. TO BE DELETED, but replacement NDS-MAP was missing	
1142	WG SA5	NA	No	Charging and OAM&P (Master)	OAM	TSG	Fri 01/12/00	Fri 05/04/02	71%	No	No	32-series	az: WID appr.SA#10.	Albert YUHAN (VoiceStream Wireless), Michael TRUSS (Motorola)
2089	WG SA5	Rel4	No	Rel4 Principles, high level Requirements and Architecture	OAM-AR/PR	TSG	Fri 01/12/00	Thu 21/06/01	100%	Yes	Yes	32.101, 32.102	az: WID appr.SA#13.	Michael TRUSS (Motorola), Tommy BERGGREN (Telia AB)
2088	WG SA5	Rel4	No	Rel4 Performance Management	OAM-PM	TSG	Fri 01/12/00	Fri 28/09/01	100%	No	No	32.4xy, 52.402	az: WID appr.SA#12.	Karl-Heinz NENNER (T-Mobil)
2081	WG SA5	Rel4	No	Fault Management	OAM-FM	TSG	Fri 01/12/00	Fri 05/10/01	100%	Yes	Yes	32.111-1/4	az: WID appr.SA#10.	Patrick JURÉ (Lucent Technologies)
2082	WG SA5	Rel4	No	Configuration Management	OAM-CM	TSG	Fri 01/12/00	Thu 21/06/01	100%	No	No	32.106-1/8	az: WID appr.SA#10.	Thomas TOVINGER (Ericsson)
2083	WG SA5	Rel4	No	Rel4 Charging Management	OAM-CH	TSG	Fri 01/12/00	Fri 28/09/01	100%	No	No	32.2xy (Charging)	az: WID appr.SA#10.	Karl-Heinz NENNER (T-Mobil)
2071	WG SA5	Rel4	No	UTRAN Operations and Maintenance procedures	UOAM	TSG	Fri 01/12/00	Thu 21/06/01	100%	Yes	No	32.800	az: WID appr.SA#10.	Bert Boden (Mannesmann Mobilfunk)
1340	WG SA1	Rel4	No	Facsimile	FAX	TSG	Tue 22/02/00	Fri 23/06/00	100%	Yes	Yes			
1539	WG SA4	Rel4	No	Transparent End-to-End PS mobile streaming application	PSTREAM	TSG	Mon 03/04/00	Wed 21/03/01	100%	Yes	Yes	26.233, 26.234		
1818	WG T2	Rel4	No	Multimedia Messaging	MMS	TSG	Tue 22/02/00	Wed 14/03/01	100%	No	Yes	22.140, 23.140		Josef Laumen, Siemens
1541	WG CN4	Rel4	No	Transcoder-Free Operation	TrFO		Mon 03/01/00	Fri 30/03/01	100%	No	No		Lead given to CN4 from CN...	
2310	TSG GERAN	Rel4	No	GERAN improvements 1 (Gb over IP)	GEIMP1	TSG	Tue 09/05/00	Mon 19/03/01	100%	No	No			
2314	TSG GERAN	Rel4	No	GERAN improvements 2 (NACC)	GEIMP2	TSG	Mon 06/11/00	Wed 10/04/02	88%	No	No			
2324	TSG GERAN	Rel4	No	GERAN improvements 4 (Delayed TBF)		TSG	Mon 15/01/01	Fri 08/06/01	37%	No	No			
1222	WG RAN1	Rel4	No	Low Chip Rate TDD option	LCRTDD	TSG	Wed 19/07/00	Mon 02/06/03	76%	No	No			G. Yang, CWTS
1322	WG SA2	Rel4	No	Enable bearer independent CS architecture	CSSPLIT	TSG	Mon 03/01/00	Fri 01/03/02	68%	No	No			Alexander Milinski, Siemens
1445	WG T2	Rel4	No	MExE enhancements Rel-4	MEXE	TSG	Mon 03/01/00	Fri 14/12/01	89%	Yes	Yes			
1631	WG SA4	Rel4	No	Tandem Free aspects for 3G and between 2G and 3G systems	TFO		Tue 22/02/00	Fri 15/06/01	84%	No	No		RAN and CN to verify no problems for GSM terminals roaming in 3G R99	

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2230	WG CN1	Rel4	No	Advanced Speech Call Items enhancements_REL-4	ASCI	TSG	Sun 03/12/00	Thu 14/03/02	100%	No	No		Approved in TSGN_10...	Sonia Garapaty
2403	TSG GERAN	Rel4	No	700 MHz spectrum support	700SS		Mon 03/01/00	Fri 30/11/01	74%	No	No			
2463	TSG CN	Rel4	No	Operator Determined Barring for Packet Oriented Services	ODB	TSG	Thu 01/06/00	Mon 19/03/01	100%	No	No		Completed WI missing from the P-plan Added for tracking	oshiyuki Tamura
2546	WG SA2	Rel4	No	UMTS QoS Architecture for PS Domain	QoSPS	TSG	Mon 03/01/00	Wed 27/11/02	~~51~~57 %	No	No			Ina Widegren, Ericsson
1993	Generic	Rel4	No	small Technical Enhancements and Improvements for Rel4	TEI4	TSG	Mon 03/01/00	Fri 30/03/01	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"	

Annex H: Current content of Release 5, extracted from the Project Plan - version ~~01/12/12~~02/01/25

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2	TSG RAN	NA	Yes	Evolutions of the transport in the UTRAN	ETRAN	TSG	Mon 17/07/00	Fri 23/08/02	93%	No	No			Francois Courau
625	WG RAN3	Rel5	No	IP transport in the UTRAN	ETRAN-IPtrans	TSG	Mon 17/07/00	Fri 29/03/02	90%	Yes	Yes			Nicolas Drevon, Alcatel
2257	WG RAN3	Rel5	No	Evolution of transport in UTRAN and GERAN	ETRANG	TSG	Mon 24/09/01	Fri 22/03/02	0%	No	No			
4	WG CN4	NA	Yes	Evolutions of the transport in the CN	CNTRSP		Mon 29/05/00	Fri 21/12/01	100%	No	No		WI formulation assigned to N4	
2455	WG CN4	Rel5	No	FS on Usage of SUA	SS7IP		Mon 12/03/01	Fri 21/12/01	100%	No	No		update WID...	
2476	WG RAN2	Rel5	No	High Speed Downlink Packet Access	HSDPA	TSG	Mon 02/04/01	Fri 29/03/02	45%	No	No			Ravi Kuchibhotla, Motorola
1216	TSG RAN	NA	Yes	Improvements of Radio Interface	RInImp	TSG	Mon 03/01/00	Fri 14/03/03	55%	No	No			
1470	WG RAN1	Rel5	No	Improvement of inter-frequency and inter-system measurement	RInImp-IfIsM	TSG	Mon 01/01/01	Fri 28/12/01	40%	Yes	Yes			tbd by RAN WG1
1471	WG RAN4	Rel5	No	Base station classification	RInImp-BSClass	TSG	Mon 14/08/00	Fri 08/03/02	83%	Yes	Yes			A. Toskala, Nokia
~~1217~~	~~WG RAN2~~	~~Rel5~~	~~No~~	~~Hybrid ARQ II/III~~	~~RInImp-HARQ~~	~~TSG~~	~~Mon 21/08/00~~	~~Fri 29/03/02~~	~~85%~~	~~Yes~~	~~No~~		~~Work on this task is performed as part of High Speed Downlink Packet Access feature~~	~~A. Sitte, Siemens~~
2469	WG RAN1	Rel5	No	Enhancement on the DSCH hard split mode	RInImp-DSCHhsp	TSG	Fri 16/03/01	Tue 11/12/01	55%	No	No			Jaeyoel KIM, Samsung
2471	WG RAN1	Rel5	No	FS on Fast Cell Selection (FCS) for HS-DSCH	RInImp-FCS	TSG	Fri 16/03/01	Tue 11/12/01	10%	No	No			Robert Love, Motorola
1506	WG RAN1	Rel5	No	FS on Radio link performance enhancements	RInImp-Rlperf	TSG	Mon 14/08/00	Fri 21/12/01	48%	Yes	Yes			tbd by RAN WG1
1221	WG RAN1	Rel5	No	FS on USTS	RInImp-USTS	TSG	Mon 14/08/00	Fri 21/12/01	80%	Yes	Yes			D. Kim, SK Telecom
1997	WG RAN4	Rel5	No	FS on UE antenna efficency test method performance requirements	RInImp-UEAnTM	TSG	Mon 25/09/00	Fri 14/09/01	100%	Yes	Yes			O. Edvardsson, Allgon
2494	WG RAN4	Rel5	No	FS on the re-introduction of the downlink SIR measurement	RInImp-SIR	TSG	Mon 12/03/01	Fri 14/12/01	100%	No	No			Torgny Palenius, Ericsson
24001	WG RAN4	Rel5	No	FS on UTRA WideBand Distribution Systems	RInImp-WDS	TSG	Mon 12/03/01	Fri 14/06/02	75%	No	No			Andrea Casini, Tekmar Sistemi
2493	WG RAN4	Rel5	No	FS on mitigating the effect of CPICH interference at the UE	RInImp-CPICH_Intf	TSG	Mon 19/03/01	Fri 14/12/01	~~80~~61 %	No	No			Shimon Moshavi, Intel

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur	
9	TSG RAN	NA	Yes	RAN improvements	RANimp	TSG	Mon 03/01/00	~~Fri 27/12/02~~ Mon 30/06/03	~~42~~40 %	No	No				
656	WG RAN3	Rel5	No	RRM optimization for Iur and Iub	RANimp-RRMopt	TSG	Fri 16/03/01	Fri 29/03/02	40%	Yes	Yes			Gert-Jan van Lieshout, Ericsson	
2488	WG RAN3	Rel5	No	RL Timing Adjustment	RANimp-RLTA	TSG	Fri 16/03/01	Fri 29/03/02	48%	No	No			Elena Voltolina, Ericsson	
2489	WG RAN3	Rel5	No	Separation of resource reservation and radio link activation	RANimp-SepRR	TSG	Fri 16/03/01	Fri 29/03/02	46%	No	No			Gert-Jan van Lieshout, Ericsson	
2490	WG RAN3	Rel5	No	Improvement of Radio Resource Management across RNS and RNS/PSS	RANimp-ImpRRM	TSG	Fri 16/03/01	Fri 21/12/01	90%	No	No			Antti Toskala, Nokia	
2491	WG RAN3	Rel5	No	Re-arrangements of Iub transport bearers	RANimp-TTPS	TSG	Fri 16/03/01	Fri 29/03/02	48%	No	No			Antti Toskala, Nokia	
23003	WG RAN3	Rel5	No	SRNS Relocation Procedure Enhancement	RANimp-SRNS	TSG	Fri 15/06/01	Fri 29/03/02	80%	No	No			Olivier Guyot, Nokia	
1680	TSG RAN	Rel5	No	Header compression removal/stripping in the RAN			Mon 21/08/00	Wed 20/06/01	0%	No	No		from AHR00-0031, contact RAN		
1686	TSG RAN	Rel5	No	Unequal error protection in PS domain in the RAN			Mon 21/08/00	Wed 20/06/01	0%	No	No		from AHR00-0031, contact RAN		
2472	WG RAN1	Rel5	No	Node B Synchronisation for 1.28 Mcps TDD	RANimp-NBSLCR	TSG	Fri 16/03/01	Tue 11/12/01	60%	No	No			Jinling HU, CWTS/CATT	
1273	WG SA1	NA	Yes	Provisioning of IP-based multimedia services	IMS	TSG	Mon 03/01/00	Fri 27/12/02	~~21~~26 %	~~Yes~~No	~~Yes~~No		S1 WI proposed S1-000290...	Mark Cataldo, Motorola	m
1274	WG SA2	Rel5	No	Call control and roaming to support IMS in UMTS	IMS-CCR	TSG	Mon 03/01/00	Fri 22/03/02	~~21~~26 %	~~Yes~~No	~~Yes~~No			Liz Daniel, Lucent	
1298	WG SA3	Rel5	No	Access Security for IMS	IMS-ASEC	TSG	Mon 25/06/01	Fri 05/07/02	11%	Yes	No		TS33.203 will be presented for info at SA#14 and is scheduled for approval at SA#15. Dependencies on IETF exist	Krister Boman, Ericsson	k
2574	WG SA3	Rel5	No	Security Aspects of Requirement for Network Configuration Independence	SEC1-NCI	TSG	Mon 02/07/01	Fri 28/12/01	50%	No	No		Incorporated into IMS access security TS (33.203) which will be presented for info at SA#14 and is scheduled for approval at SA#15. Some editor's notes remain.	Hugh Shieh, AT&T Wireless Services	h
2242	WG SA5	Rel5	No	Charging Management for IMS	OAM-CH/IP	TSG	Fri 01/12/00	Thu 14/03/02	25%	No	No	32.2xy (Charging)	az: WID appr.SA#10.	Karl-Heinz NENNER (T-Mobil)	K
34001	WG SA4	Rel5	No	Extended Transparent End-to-End PS Streaming Service	PSS-E	TSG	Mon 18/06/01	Tue 26/03/02	~~50~~74 %	No	No	26.233, 26.234		O. Franceschi, Ericsson	o
1652	WG CN1	NA	Yes	Emergency call enhancements	EMC1	WG	Mon 03/01/00	Thu 28/11/02	18%	Yes	No			Mr Rouzbeh, Ericsson	E

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur	
1653	WG CN1	Rel5	No	For IP & PS based calls	EMC1-PS	TSG	Mon 03/01/00	Thu 28/11/02	16%	Yes	Yes		5/11 Per: This BB is considered between 10-60% ready depending on how the requirements differ from basic call. What is the new target release,-Rel-6?	Mr Rouzbeh, Ericsson	E
1517	WG SA2	Rel5	No	Global Text Telephony	GTT	TSG	Wed 28/06/00	Thu 29/08/02	82%	No	No		SP-000162 agreed WI. Rapporteur...	Gunnar Hellström, Ericsson	g
1367	WG SA1	NA	Yes	VHE enhancements	VHE1	TSG	Thu 05/10/00	Fri 27/09/02	30%	No	No			Jumoke Ogunbekun, Fujitsu Europe	
2104	WG SA2	Rel5	No	Extensions to OSA to support VHE	VHE1-TLKT1	WG	Mon 02/07/01	Fri 29/03/02	38%	No	No				
0	WG CN5	Rel5	No	(copy) OSA Stage 3	OSA1	WG	Fri 21/09/01	Fri 29/03/02	4%	No	No	29.198, 29.998	az: CN#13 - Link to new WID	Ard-Jan MOERDIJK (Ericsson L.M.)	A
1637	WG SA1	NA	Yes	OSA enhancements	OSA1	TSG	Tue 11/07/00 ~~Wed 28/06/00~~	Fri 29/03/02	~~31~~42 %	No	No	22.127, 23.127, 29.198-x, 29.998-x	~~az: deleted comment~~	Jörg Swetina, SIEMENS AG	
1424	WG SA2	Rel5	No	Interactions OSA - e-commerce	OSA1-ECOM	TSG	Mon 11/09/00	Fri 29/03/02	~~42~~56 %	No	No		az: CN#13 - changed to Rel5		
1429	WG SA2	Rel5	No	OSA APIs for Multimedia~~Ma~~ CC	OSA1-CSCF	TSG	~~Tue 11/07/00~~ Mon 26/03/01	Fri 29/03/02	~~21~~100%	No	No		For Rel5 even if completed by March		
1419	WG SA3	Rel5	No	OSA security	OSA1-SEC	TSG	~~Wed 28/06/00~~ Tue 11/07/00	Fri 29/03/02	~~29~~30 %	Yes	Yes		CR to correct security specifications in 29.198 scheduled for approval at CN#15	Colin Blanchard, BT	c
1433	WG SA2	Rel5	No	Retrieval of Terminal capabilities	OSA1-TC	TSG	Mon 25/09/00	Fri 29/03/02	~~45~~53 %	No	No				
1786	WG SA1	Rel5	No	LCS - OSA interfaces	OSA1-LCSI	TSG	Mon 11/09/00	Fri 29/03/02	~~35~~53 %	No	No		az: CN#13 - changed to Rel5	Jörg Swetina, SIEMENS AG	
2538	WG SA1	Rel5	No	Interaction with Rel-5 features		TSG	Fri 11/05/01	Fri 09/11/01	0%	No	No				
2519	WG CN5	Rel5	No	OSA Stage 3	OSA1	TSG	Fri 21/09/01	Fri 29/03/02	10%	No	No	29.198, 29.998	DAB 12.12.01 Updated WID ~~az: CN#13 - Link to new WID~~	Ard-Jan MOERDIJK (Ericsson L.M.)	A
1638	WG SA1	Rel5	No	CAMEL phase 4	CAMEL4	WG	Mon 03/01/00	Fri 08/03/02	72%	No	No			Keijo Palviainen, Nokia	k
2464	WG T2	Rel5	No	MExE enhancements Rel-5	MEXE5	TSG	Wed 21/02/01	Thu 20/06/02	15%	Yes	Yes				
1625	WG SA4	Rel5	No	Wideband Telephony Service - AMR	AMRWB	TSG	Sat 01/01/00	~~Fri 28/06/02~~ Mon 26/08/02	~~36~~38 %	No	No			Imre Varga, Siemens AG	I
1826	WG T2	NA	Yes	Terminal interfaces	TI		Mon 03/01/00	Thu 20/06/02	64%	No	No				

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur	
1829	WG T2	NA	Yes	Wide Area Data Synchronisation	TI-WADS		Mon 03/01/00	Thu 20/06/02	52%	No	No		AS: Rel5 changed to Rel4 according to SA#10 decision, milestone on testing added		
1831	WG T2	Rel5	No	vObjects and Other Constructs for Use in Data Synchronisation	TI-SYNC-VOBJ	TSG	Tue 16/05/00	Thu 20/06/02	25%	No	Yes	27.104	FR: moved from Rel4 to Rel5 at T2#12	Rob Lockhart, Motorola	r
2573	WG T2	Rel5	No	Terminal local model enhancements	TLM5	TSG	Mon 14/05/01	Wed 20/03/02	60%	No	Yes	23.227		Olga Tomé, Ericsson	O
1536	WG SA2	NA	Yes	Location Services enhancements	LCS1	TSG	Mon 03/04/00	~~Fri 28/06/02~~ Mon 30/06/03	64%	No	No			Jan Kall, Nokia	
1600	TSG RAN	NA	No	UE positioning	LCS1-UEpos	TSG	Mon 03/04/00	~~Fri 29/03/02~~ Mon 30/06/03	~~61~~55 %	Yes	Yes				
2457	WG RAN2	Rel5	No	UE positioning enhancements - other methods	LCS1-UEpos-enh	TSG	Mon 28/08/00	Fri 28/12/01	24%	No	No		5 Mar 2001: splitting off of IPDL for TDD for Rel-4 agreed by R2	M. Beckmann, Siemens	
2474	WG RAN2	Rel5	No	UE positioning enhancements for 1.28 Mcps TDD	LCS-128Pos	TSG	Mon 09/04/01	Fri 29/03/02	75%	No	No			Xiaohua Mei, CATT	
2475	WG RAN2	Rel5	No	Open SMLC-SRNC Interface within the UTRAN to support UTRAN Rel'4 positioning	LCS-Rel4Pos	TSG	~~Mon 09/04/01~~ Mon 15/01/01	~~Fri 29/03/02~~ Fri 12/10/01	~~49~~59 %	No	No			Antti Toskala, Nokia	
2125	WG RAN2	Rel5	No	Open SMLC-SRNC Interface within the UTRAN to support A-GPS Positioning	LCS-INTF	TSG	Mon 15/01/01	Fri 12/10/01	~~49~~10 0%	No	No		Change of responsible group	Kirk Burroughs, Qualcomm	
1171	WG SA1	Rel5	No	Event based and Periodic LCS	LCS1-EBP		Mon 22/05/00	Fri 22/06/01	56%	No	No				
2436	TSG GERAN	Rel5	No	Location Services for GERAN in A/Gb Mode	LCS-GERAN	TSG	Mon 03/04/00	Fri 31/08/01	79%	No	No				
2442	TSG GERAN	Rel5	No	Location Services for GERAN in Iu Mode	LCS-GERAN	TSG	Mon 03/04/00	Fri 28/06/02	70%	No	No				
32001	WG SA2	Rel5	No	Enhanced support for user privacy and subscriber data handling		WG	Mon 04/06/01	Fri 21/12/01	21%	No	No				
~~03~~3500 8	WG SA5	Rel5	No	~~(copy)~~ Charging and OAM&P for LCS enhancements	LCS1-OAM	TSG	Fri 21/09/01	Fri 29/03/02	~~45~~50 %	No	No	32-series	az: WID appr.SA#13.	Albert YUHAN (VoiceStream Wireless), Michael TRUSS (Motorola)	" M
521	WG SA3	Rel5	No	New security aspects of LCS (not identified)	LCS1-SEC		Fri 14/04/00	Fri 28/12/01	15%	No	No		14/09/00: End date 28/12/01 WI may need to be split to improve on this date. S3#17 15% complete. No progress since S3#17	Valtteri Niemi, Nokia	v
32011	WG SA2	Rel5	No	Specification for the Le Interface	LCS1-Le	TSG	Mon 14/01/02	Fri 15/03/02	0%	No	No				

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
32012	WG SA2	Rel5	No	Support of the Presence Service Architecture	LCS1-Pres	WG	Mon 14/01/02	Fri 15/03/02	0%	No	No			

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur	
1560	WG T3	NA	Yes	UICC/(U)SIM enhancements and interworking	UICC1		Mon 24/07/00	Fri 15/03/02	69%	No	No				
2517	WG T3	Rel5	No	UICC/USIM Transport Protocol	UICC1-Protocl	TSG	Tue 12/06/01	Fri 15/03/02	42%	No	No		5/10/2001: completion % updated	Sonia Compans (Gemplus)	
1800	WG T3	NA	Yes	(U)SIM toolkit enhancements	USAT1		Mon 05/06/00	Fri 22/03/02	48%	No	No				
1566	WG T3	Rel5	No	Enhancements to (U)SIM toolkit secure messaging	USAT1-SM	TSG	Mon 02/04/01	Fri 15/03/02	20%	Yes	Yes	27.103	8/3/2001: Work not started as of T3-18, therefore changed to rel-5.	Daniel Erricson, Across Wireless	
1801	WG T3	Rel5	No	Protocol Standardisation of a SIM Toolkit Interpreter	USAT1-Interpr	TSG	Mon 05/06/00	Fri 22/03/02	69%	No	Yes	27.103	28/5/2001: T3-19 proposed that since the stage 2 and 3 will not be presented to TP-12 for approval as expected, the WI will be moved to rel-5, with completion expected at TP-13.	Michael Meyer, G & D	
1802	WG T3	NA	Yes	UICC API	USAT1-API		Mon 25/09/00	Fri 28/09/01	7%	No	No		8/3/2001: test spec is based on R99 core spec, so deleted from Workplan		
2031	WG T3	Rel5	No	C SIM API	USAT1-API-MULTOS	TSG	Mon 25/09/00	Fri 28/09/01	7%	Yes	Yes				
1571	WG SA3	NA	No	Security enhancements	SEC1	TSG	Mon 03/01/00	Fri 28/06/02	39%	No	No		Added BB UE authentication and rapporteur added. TO BE DELETED	Peter Howard, Vodafone	P
1583	WG SA3	Rel4	Yes	MAP application layer security	SEC1-MAPAL	TSG	Mon 03/01/00	Fri 15/03/02	76%	No	Yes		TO DELETE: REPLACED BY NDS-MAP and NDS-IP. TO BE DELETED, but replacement NDS-MAP was missing		
1594	WG SA3	Rel5	No	Visibility and Configurability of security	SEC1-VCS	TSG	Mon 03/01/00	Fri 15/03/02	60%	Yes	Yes		CR approved at SA3#21 awaiting comments from CN1.	Sébastien Nguyen Ngoc, France Telecom	S
1576	WG SA3	Rel5	Yes	Network domain security	SEC1-NDS	TSG	Mon 03/01/00	Fri 28/06/02	27%	Yes	Yes		S3#17: All due in Rel5. (WI Update at S3#18). Replaced by NDS-IP and NDS-MAP	Geir M. Køien, Telenor	G
1595	WG SA3	Rel5	No	FIGS	SEC1-FIGS		Mon 03/01/00	Fri 22/06/01	0%	No	No		14/9/00: work behind schedule - WID modification agreed at SA#10. Not enough supporting companies at SA3#18.	SP-000628	
1365	"WG SA2;WG SA1"	Rel5	No	Support of Push Services	PUSH	TSG	Wed 03/01/01	Fri 28/12/01	59%	Yes	Yes		AS: Changed from FS to actual support of Push	Yoshinori Kitada, NTT Comware	
1142	WG SA5	NA	No	Charging and OAM&P (Master)	OAM	TSG	Fri 01/12/00	Fri 05/04/02	~~71~~83 %	No	No	32-series	az: WID appr.SA#~~10~~13.	Albert YUHAN (VoiceStream Wireless), Michael TRUSS (Motorola)	" M

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur	
35002	WG SA5	Rel5	No	Rel5 Principles, high level Requirements and Architecture	OAM-AR/PR	TSG	Mon 17/09/01	Fri 05/04/02	~~14~~55 %	Yes	Yes	32.101, 32.102	az: WID appr.SA#13.	Michael TRUSS (Motorola), Tommy BERGGREN (Telia AB)	" T
35003	WG SA5	Rel5	No	Rel5 Performance Management	OAM-PM	TSG	Mon 17/09/01	Fri 05/04/02	~~10~~50 %	No	No	32.4xy, 52.402	az: WID appr.SA#~~12~~14.	Karl-Heinz NENNER (T-Mobil)	K
35004	WG SA5	Rel5	No	Rel5 Charging Management	OAM-CH	TSG	Mon 10/09/01	Fri 29/03/02	~~14~~45 %	No	No	32.2xy (Charging)	az: WID appr.SA#~~10~~14.	Karl-Heinz NENNER (T-Mobil)	K
35001	WG SA5	Rel5	No	Network Infrastructure Management	OAM-NIM	TSG	Fri 21/09/01	Fri 29/03/02	~~25~~50 %	No	No	32.6xy~~/~~, 32.3xy	az: WID appr.SA#13.	Thomas TOVINGER (Ericsson)	T
2062	WG SA5	Rel5	No	Subscription Management	SM	TSG	Fri 29/12/00	Fri 28/06/02	42%	No	Yes	32.140~~, 22.057 (S1), 23.057 (T2), 32.101, 32.6xy~~	az: WID appr.SA#10.	Geoffrey CARYER (BT)	G
2243	WG SA2	Rel5	No	Intra Domain Connection of RAN Nodes to Multiple CN Nodes	IUFLEX	TSG	Mon 03/01/00	Fri 22/03/02	~~55~~68 %	No	No	23.236	No clear indication on the end date. Put to Rel5 by AS.	Stephen Terrill, Ericsson	
2320	TSG GERAN	Rel5	No	GERAN improvements 3 (new transport layer on interface A)	GEIMP3	TSG	Mon 06/11/00	Fri 15/03/02	0%	No	No		BellSouth, Vodafone, Mannesmann, Telia, T-Mobil	Alain Ohana, BellSouth	
2330	TSG GERAN	Rel5	No	GERAN support for IMS		TSG	Mon 01/05/00	Fri 20/12/02	32%	No	No		AWS, Nokia, Ericsson, Nortel, Siemens, Motorola	Shkumbin Hamiti, Nokia	
2345	TSG GERAN	Rel5	No	Alignment of 3G functional split and Iu		TSG	Thu 08/06/00	Tue 04/03/03	16%	No	No		AWS, Nokia, Ericsson, Nortel, Siemens, Vodafone	Frank Muller, Ericsson	
2392	TSG GERAN	Rel5	No	GERAN enhancements for streaming services 1			Mon 06/11/00	Fri 30/11/01	21%	No	No				
2396	TSG GERAN	Rel5	No	GERAN enhancements for streaming services 2			Mon 06/11/00	Fri 28/06/02	9%	No	No		AWS, Nokia, Ericsson, Nortel, Siemens, Motorola, Vodafone	Frank Muller, Ericsson	
2412	"TSG GERAN; WG RAN3"	Rel5	No	GERAN/UTRAN interface evolution 1 (evolution of Iu PS)			Mon 06/11/00	Fri 15/03/02	58%	No	No		SBC, Motorola, Nokia, Ericsson, Nortel	Marc Grant , SBC	
2416	"TSG GERAN; WG RAN3"	Rel5	No	GERAN/UTRAN interface evolution 2 (evolution of Iu CS)			Mon 06/11/00	Fri 15/03/02	48%	No	No				
2499	WG SA1	Rel5	No	Support of Presence Capability	PRESNC	TSG	Mon 19/03/01	Tue 19/03/02	19%	No	No			Mark Cataldo, Motorola	
2507	WG SA1	Rel5	No	Display of Service Provider name on UE	SPNAME	TSG	Mon 25/12/00	Mon 29/04/02	~~21~~28 %	No	No			Michele Zarri, One to One	
2520	WG SA5	Rel5	No	User Equipment Management	UEM	TSG	Thu 21/06/01	Fri 29/03/02	~~36~~75 %	No	No		az: WID appr.SA#12.	John Mudge (Vodafone)	jo

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur	
2527	WG SA2	Rel5	No	Emergency calls without UICC/SIM in netw. with IMS			Mon 03/01/00	Thu 28/03/02	0%	No	No		Per 30/5: This WID was approved in SA#11 as a feature. SA2 work on 23.221, 23.060 and 23.228 is targeted for TSG#13. The stage 3 work (mostly CN1?) is targeted for TSG#15 (March 2002)		
2556	WG SA2	Rel5	No	End to End QoS for PS Domain including IMS	E2EQoS	TSG	Wed 03/01/01	Fri 29/03/02	~~50~~52 %	No	No			Johnson Oyama, Ericsson	J
2569	WG T2	Rel5	No	Messaging enhancements Rel-5	MESS5	TSG	Fri 15/06/01	Fri 08/03/02	~~32~~33 %	No	Yes		support of UAProf, so this in my opinion is 100% complete		
50001	TSG GERAN	Rel5	No	GERAN Inter BSC NACC improvements over the Gb Interface			Mon 03/09/01	Wed 10/04/02	0%	No	No				
50033	TSG GERAN	Rel5	No	Enhanced Power Control	EPC		Mon 26/11/01	Fri 28/06/02	2%	No	No				
50037	TSG GERAN	Rel5	No	8PSK AMR HR	8PSK-AH		Mon 10/12/01	Fri 28/06/02	4%	No	No				
50041	TSG GERAN	Rel5	No	Uplink TDOA feasibility study	TDOAF		Mon 03/01/00	Mon 03/01/00	0%	No	No				
13000	WG CN3	Rel5	No	Service Change and UDI Fallback	SCUDIF	WG	Mon 08/10/01	Fri 08/03/02	~~2~~80%	No	No	29.007, 27.001, 24.008	~~[DAB - 10/10/01] - End date pushed back to March updated WID details~~[DAB - 01/12/01] - % complete to 80, updated WID	Rune Werner Wiik, Ericsson AS	R

Annex I: Current content of Release 6, extracted from the Project Plan - version ~~01/12/12~~02/01/25

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1216	TSG RAN	NA	Yes	Improvements of Radio Interface	RInImp	TSG	Mon 03/01/00	~~Fri 14/03/03~~ Mon 30/06/03	~~55~~56 %	No	No			
2468	WG RAN1	Rel6	No	Multiple Input Multiple Output antennas (MIMO)	RInImp-MIMO	TSG	Fri 16/03/01	Tue 05/03/02	20%	No	No			Howard Huang, Lucent
24003	WG RAN4	Rel6	No	FS for the viable deployment of UTRA in additional and diverse spectrum arrangements	RInImp-UMTSBands	TSG	Fri 21/09/01	Fri 21/06/02	10%	No	No			Peter Ståhlfjäll, Ericsson
1367	WG SA1	NA	Yes	VHE enhancements	VHE1	TSG	Thu 05/10/00	Fri 27/09/02	30%	No	No			Jumoke Ogunbekun, Fujitsu Europe
1368	WG SA2	Rel6	No	Detailed definition of the VHE user profile	VHE1-USERP	WG	Fri 21/09/01	Fri 27/09/02	19%	No	No			
1571	WG SA3	NA	No	Security enhancements	SEC1	TSG	Mon 03/01/00	Fri 28/06/02	39%	No	No		Added BB UE authentication and rapporteur added. TO BE DELETED	Peter Howard, Vodafone
2026	WG SA3	Rel6	No	Enhanced HE control of security (including positive authentication reporting)			Wed 03/01/01	Fri 28/06/02	0%	No	No		Added by P-000575 without any dates. 18/10/00: Change of WI title, added hyperlink rapporteur new end date 03/01. New end date and correct Release to be decided S3#18	Peter Howard, Vodafone
2544	WG SA1	Rel6	No	Multimedia Broadcast and Multimedia Service	MBMS		Fri 11/05/01	~~Fri 28/03/03~~ Tue 30/09/03	23%	No	No		Title renamed at SA#13	
31008	WG SA1	Rel6	No	Generic User Profile	GUP	TSG	Mon 08/10/01	Mon 10/06/02	4%	No	No			
31010	WG SA1	Rel6	No	Digital Rights Management	DRM	TSG	Mon 08/10/01	Thu 19/09/02	4%	No	No		Foreseen start and completion dates introduced by MCC (no indication at all on the WID)	
31012	WG SA1	Rel6	No	FS on WLAN-UMTS Interworking	WLAN	TSG	Mon 08/10/01	Fri 21/06/02	0%	No	No			Fredric Paint, Telenor
30000	TSG SA	Rel6	No	FS on Priority Service	AxsClas	TSG	Mon 08/10/01	Fri 21/06/02	0%	No	No			Biplab K. Pramanik, Telcordia Technologies
31013	WG SA1	Rel6	No	UE Functionality Split	UESPLIT	TSG	Thu 29/11/01	Thu 28/03/02	0%	No	No			Sanjay Gupta, Motorola

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
32016	WG SA2	NA	Yes	QoS Improvements	QoS1	TSG	Mon 03/01/00	Mon 03/01/00	0%	No	No			
32017	WG SA2	Rel6	No	Dynamic Policy control enhancements for end-to-end QoS	QoS1	TSG	Mon 03/01/00	Mon 03/01/00	0%	No	No			
33002	WG SA3	Rel6	No	Support for subscriber certificates	SEC1-SC	TSG	Mon 25/02/02	Thu 12/09/02	0%	No	No	33.102	Approved at SA#14. This may require BBs from CN1, CN4, SA5 and T3	Valtteri Niemi, Nokia