Technical Specification Group Services and System Aspects **Report**

Meeting #19, Birmingham, UK, 17-20 March 2003

Source: **Secretary TSG SA (Maurice Pope, MCC)**

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Draft Report

Contents

1 Opening of the meeting

The TSG SA Chairman, Mr. Niels Peter Skov Andersen, welcomed delegates to the meeting.. Mr. Alan Cox welcomed delegates to Birmingham, UK on behalf of the hosts, UK Operators, Vodafone, T-Mobile, O2, Orange, 3, Department of Trade and Industry (DTI) and the Radio Agency (RA) and provided information on the arrangements for the meeting.

2 Approval of the Agenda and report

2.1 Approval of the Agenda

TD SP-030001 Draft agenda for TSG SA meeting#19. The draft agenda was introduced by the TSG SA Chairman, which was approved.

Delegates were reminded of their obligations under the 3GPP IPR policy.

2.2 Approval of the meeting report of TSG SA Meeting #18

TD SP-030002 Draft Report of meeting #18 - version 0.0.5. The draft report was approved and will be updated to version 1.0.0 and placed on the FTP server by the TSG SA Secretary.

3 Election of TSG SA officials (Chairman and two vice-chairmen)

TD SP-030075 Nomination of Niels Peter Skov Andersen as candidate for TSG SA Chairman elections. There were no further candidates for this position and **Mr. Niels Peter Skov Andersen** was elected by acclamation as Chairman of TSG SA for a further term.

TD SP-030076: Nomination for 3GPP Service and System Aspects TSG Vice Chairman. and TD SP-030135: Support Statement for Mr. Nakamura for the 3GPP TSG SA Vice Chairman. There were no further candidates for these positions and **Mr. Gary Jones** and **Mr. Hiroshi Nakamura** were elected by acclamation as Vice-Chairmen of TSG SA for a further term.

4 Items for immediate consideration

TD SP-030073 Discussion on IPv6 utilisation within IMS. This was presented by mmO2 and proposed the need to review the scenarios for the near term use of IPv6 in the context of it facilitating the early introduction of IMS. It was proposed that TSG SA initiates a review to confirm that the existing 3GPP decisions and scenarios for the use of IPv6 as part of the IMS are in line with the overall industry trends and is in the best interests of both operators and vendors and provided a list of issues that should be reviewed.

There was a comment about the address space analysis that had already been done, concerning the limitation of address space usage when considering Network Management requirements, which reduces the usable address space to around 10% of the theoretical available limit in IPv4 (see RFC3194). It was also commented that the IPv6 commitment had been taken into account by the IETF and the impact of back-tracking from this agreement should be taken into account. Conversely, it was commented that there may not be any applications which rely on IPv6 only and that the 3GPP community aspects should be the primary consideration. It was also commented that the arguments and reasons for the decision already taken to use IPv6 were still valid and care should be taken in staying compatible with IETF work. It was commented that the re-introduction of IPv4 into 3GPP Networks could cause a delay in IMS implementation and use resources for important ongoing work in companies.

It was clarified by mmO2 that there was no proposal to change Rel-5, but that the deployment of IMS should not be done as an isolated item from the rest of the Internet world. This was countered by a comment that this was not a large issue, but that for future evolution of IMS IPv6 will be needed.

The timing of the completion of a study, followed by work to be done for Rel-6 was also questioned, as the study and any following work would take some time to complete.

It was commented that even if it was decided to do such a study, it should not include items outside the scope of 3GPP work, e.g. Non-Standard IMS IPv4 deployments.

After discussion, it was considered that these issues can be handled under existing Work Items on interworking between IPv6 and other systems (e.g. there is a Work Item in CN WG3). It was reported that the communications between UE and CSCF or between CSCF and CSCF being different IP versions is not covered. SA WG2 are doing most IPv6 work and the expertise is located there. It was noted that according to the current assumptions, a Rel-5 Mob communicating using IMS will only use IPv6 (according to the standard) and it is unlikely that they will be able to communicate with IPv4: IPv6 signalling support to Rel-5 Mobiles would be needed for this.

CN WG3 and SA WG2 were asked to consider this contribution in conjunction with their study of interworking with systems outside of the 3GPP IMS domain and to report back to TSG SA with the status of the work and any potential limitations with the current decision to allow only IPv6 for access to IMS. TSG SA will further consider this issue at TSG SA meeting #20 taking input received into account.

5 Reports from TSG SA ad-hoc meetings and workshops

There were no specific contributions under this agenda item. The Future Evolution Workshop report is dealt with under Agenda Item 8.9.

6 Letters / Reports from other groups

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

TD SP-030159 3GPP/IETF Release 6 Workshop Major Conclusions. This was presented by the IETF / 3GPP Co-ordinator (S. Hayes). It was clarified that the IETF had requested that 3GPP implement all the mandatory parts of their specifications (e.g. the "MUST"s) and many of the "SHOULD"s. This had been agreed in principle by the Workshop. The report was noted.

TD SP-030004 LS (from SA WG1) on SIM Temperature Ranges. This was a response to the LS in TD SP-030003 (see Agenda Item 6.2) and was introduced by the TSG SA Chairman. It was noted that there is ongoing discussion on this in WGs and the LS was then noted.

TD SP-030005 LS from SA WG1: Response to S1-030133 Third Form Factor work status and request for additional requirements. This was a response to the LS in TD SP-030003 (see Agenda Item 6.2) and was introduced by T-Mobil. The LS was noted.

TD SP-030006 LS (from SA WG2) on IP session control API. This was introduced by the TSG SA Chairman and reported that the proposed requirement to IP session control API had been rejected at SA WG2 and asked SA WG1 to review their requirement for this. It was agreed that SA WG1 should consider this response and provide SA WG2 with further argument and information to progress if this requirement is still needed. The LS was then noted.

TD SP-030009 LS (from CN WG5) on Status of OSA Rel6 Requirements. This LS was introduced by the TSG SA Chairman and also asked SA WG1 to remove requirements where no progress had been made for some time. SA WG1 were asked to look at this LS at their next meeting and Member companies were urged to contribute to items which they considered important. The LS was provided to TSG SA for information and was noted.

TD SP-030007 LS (from CN WG1) on Early UE Handling. This LS was introduced by the TSG SA Chairman. The LS was provided for information to TSG SA and was noted.

TD SP-030008 LS (from T WG1/SIG). Reply to LS on requirement to test non-transmission of newly defined IEs in RRC protocol for Early UE handling. T WG1/SIG advised TSG RAN that the update of the test cases in 34.123-3 (TTCN Abstract Test Suite) can only be done after upgrade of ASN.1 definition to December 2002 ASN.1 in TS 25.331, which is anticipated to be around July 2003 time frame. The TSG RAN Chairman thanked T WG1 for the high amount of work and progress they had made which really helped the work in TSG RAN WGs to progress. The LS was then noted.

6.2 Partners and their bodies

TD SP-030003 LS from EP SCP: Third Form Factor work status and request for additional requirements. This was presented by Motorola. The LS had been provided for information to TSG SA, it was noted that replies from SA WG1 had been provided in TD SP-030004 and TD SP-030005 (see Agenda Item 6.1).

O2 had discussed internally the issue in changing the form-factor for smart cards, and recognised that although new advances need to be embraced to some extent, the compatibility with e.g. existing smart card readers, and other backward compatibility issues need to be taken into account. This comment was noted. It was considered that the addressed groups for action on this LS would be able to provide the necessary responses. The LS was then noted.

TD SP-030155 Liaison Statement (from ETSI STQ Chairman) to 3GPP SA on Quality of Service. This was introduced by the TSG SA Chairman. Other WGs had not yet seen the LS and SA WG2 were asked to copy any comments they have from this to SA WG1 in order to co-ordinate a response, if any is considered necessary. The LS was then noted.

TD SP-030166 LS from SerG: Update on the work of GSMA Services Group (SerG). This was introduced by G Schlanger on behalf of GSMA SerG and reported that SerG will provide details and contribution to SA WG1 arising from their developing work plan. The LS was provided to TSG SA for information and was noted.

TD SP-030167 LS from ETSI TC AT-Features: Work on MMS for PSTN/ISDN in AT-F. This was introduced by the TSG SA Chairman and informed TSG SA about their MMS work and asked for a review and comments on their draft document. It was considered best to forward this to T WG2 for review and response. T WG2 were asked to consider this at their next meeting.

6.3 Others

TD SP-030150 OMA m-Commerce WG Questionnaire to 3GPP. This was introduced by the TSG SA Chairman and asked TSG SA (and other groups) to reply to a questionnaire on m-Commence in order to help the group identify the requirements to support 3GPP. It was considered that the questionnaire would be better aimed at individual Members in order to get a business/commercial view. The charging aspects of 3GPP work are contained in the 32-series specifications produced by SA WG5. A response liaison statement was provided in TD SP-030173 asking 3GPP Individual Members to consider providing feedback to the OMA m-Commerce WG.

TD SP-030173 Reply to OMA m-Commerce WG: Re: Questionnaire to 3GPP. This LS was reviewed and approved

TD SP-030152 LS from ITU-T SSG: Received comments to Rec. Q.1741.2 approval relevant to 3GPP. This was introduced by the TSG SA Chairman and highlights some misalignments found between Q.1741.2 and 3GPP TR 21.905. TSG CN had considered this and had encouraged Members to provide CRs for alignment and correction of terminology in specifications. This LS was forwarded to SA WG1 for consideration and alignment.

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-030011 Status report of SA1 to SA #19. The status report of SA WG1 to TSG SA Plenary #19 was presented by the **new** SA WG1 Chairman (Mr. Michele Zarri, T-Mobile) using the slides provided in TD SP-030010.

Slide 9: It was clarified that SA WG1 are currently investigating scenarios. When the requirements are identified and approved, the work will be passed on to the groups for Stage 2 and Stage 3 work.

Slide 23 & 14: It was noted that the Individual Member "Telia" is now called "Telia-Sonera".

The SA WG1 Chairman was thanked for his report, which was then noted. The SA WG1 Chairman thanked his predecessor, Mr. Kevin Holley, for his good work in SA WG1 as Chairman.

7.1.2 Questions for advice from TSG SA WG1

There were no specific contributions under this agenda item.

7.1.3 Approval of contributions from TSG SA WG1

CRs:

TD SP-030012 CRs to 21.905 on Entities of the mobile system (Rel-5/6). These CRs were approved.

TD SP-030013 CR to 22.060 on SS SMS transfer over GPRS (Rel-5). There was an issue raised in the case that different charges are applied for SMS over CS and SMS over GPRS. It was clarified that the service requirements is to attempt to send over GPRS (if GPRS-attached) and only send over CS if this is not possible, irrespective of this CR. The issues were reviewed offline and Ericsson reported that the CR could be approved while noting that the requirement is applicable only when the charging for SMS is service based and independent of the bearer used. There was some concern over the wording which suggested that support of SMS over GPRS was optional, whereas it is mandatory. The CR was therefore approved.

TD SP-030014 CRs to 22.078 on CAMEL interworking with CLIR and COLR (Rel-5/6). These CRs were approved.

TD SP-030015 CR to 22.078 on Removal of duplicate text in procedure describing 'subscribed dailled services' (Rel-5). This CR was approved.

TD SP-030016 CRs to 22.078 on Removal of $(CAMEL4)$ markers (Rel-5/6). These CRs were approved.

TD SP-030017 CR to 22.101 on SIM access to IMS (Rel-5). The access to IMS for specific releases of SIM needed to be corrected and it was recognised that this CR should be Category "B" (addition of Feature). The text on SIM/USIM/ISIM also required clarification editorially to avoid misinterpretation. The CR was updated in TD SP-030174 which was reviewed. It was noted that CR118 had been replaced by a merged CR, therefore CR118 was rejected. It was noted that without this change it could be interpreted that access could be done without the ISIM being present. The CR119 in TD SP-030174 was approved. **In future, WGs were asked to provide seperate CRs for separate changes to a document, and not all included together ina single CR**.

TD SP-030148 CRs to 22.101 on SIM Support in Rel5/6. These CRs were approved. It was noted that the PDF version of this document did not contain both the CRs, whereas the ZIP file was complete.

TD SP-030018 CR to 22.105 on Correlation between service class and traffic class (Rel-5/6). It was considered that the likely of error due to the non-implementation of the Rel-5 CR was too low to justify the change in Rel-5 and so the Rel-5 CR (CR 116) was rejected and the Rel-6 CR (CR 117) approved as category **"F"**.

TD SP-030019 CRs to 22.060 on Delay Criteria and Service Examples (Rel-6). It was noted that the CR cover pages had editorial errors and indicated Rel-5 CRs. These two Rel-6 CRs were approved.

TD SP-030020 CR to 22.071 on Applicability of barring capability to the Location Service (Rel-6). This CR was approved.

TD SP-030021 CR to 22.078 on Corrections to re-introduction of enhancements of dialled services in CAMEL 4 (Rel-6). This CR was approved.

TD SP-030022 CR to 22.101 on Simultaneous connection to 3GPP systems and I-WLANs (Rel-6). This CR was approved.

TD SP-030023 CRs to TS 22.115 on Clarification of the charging entity WLAN & when Roaming (Rel-6). The term "service node" was questioned. It was clarified that this was a generic word for "network entity", but the text "the service node" could be removed without affecting the meaning of the proposed change. CR 008 was approved. It was agreed to update CR 010 in TD SP-030176 which was approved.

TD SP-030024 CR to 22.140 to clarify prioritisation (Rel-6). It was noted that this will have impact on TS 32.235, which should be considered by SA WG5. This CR was then approved.

TD SP-030025 CR to 22.141 on Clarification of network status attribute description within Presence Service Stage 1 (Rel-6). This CR was approved.

TD SP-030026 CR to 22.146 on MBMS Cell broadcast in shared network (Rel-6). This CR was approved.

TD SP-030027 CRs to 22.174 on various subjects (Rel-6). For **22.174, CR010**, the identification of SMS and IMS as services to which Push can be deployed was argued to indicate that Push is not independent of any other service. It was agreed that this was not the intention, but this had been debated a long time in SA WG1 and the final agreement was the text presented. It was decided that this CR should be re-considered in SA WG1 under the guidance that it should be possible to deploy Push using any bearer that is available in the network. CR 010 was rejected and CRs 006, 007, 008 and 009 were approved. A replacement CR to CR010 was provided in TD SP-030194 (see below).

TD SP-030194 CR to 22.174 on Push Service Independance. The CR was reviewed and it was decided that SA Wg1 should review the CR to ensure it covers their intended requirements. SA WG1 were asked to review this revised CR and decide on the issue.

TD SP-030028 CR to 22.228 on GUP for IMS subscription management (Rel-6). This CR was approved.

TD SP-030029 CR to 22.223 on PSS charging information (Rel-6). This CR was approved.

TD SP-030030 CR to 22.242 on DRM collaboration with OMA (Rel-6). The reference to the main OMA URL was questioned. It was thought better to refer to a temporary document name to be replaced later when the completed OMA documents are created. The CR was therefore revised in TD SP-030177 which was approved.

TD SP-030031 CR to 22.243 on Correction of contradictory information (former: 'Removal of references') (Rel-6). This CR was approved.

TD SP-030032 CR to 22.340 on required message formats for IMS messaging (Rel-6). This CR was approved.

TD SP-030033 CR to 22.950 addressing progression of priority level when interworking with external networks (Rel-6). This CR was approved.

TD SP-030034 CRs to 22.951 on Network sharing (Rel-6). These CRs were approved.

TD SP-030035 CRs to TS 22.011, 22.101, 22.115 and 22.129 on Network Sharing Requirements in Rel-6. These CRs were approved.

TSs and TRs:

TD SP-030036 TS 22.240 V2.0.0 GUP stage 1 for approval. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-030037 TR 22.800 V1.0.0 on IMS Subscription and access scenarios. This TR was provided for information. Members were urged to read the document and provide any feedback to SA WG1. There was some discussion on the Scope of the TR, as it could be out of the intended scope of access to 3GPP IMS services. *The TSG SA Chairman summarised that topics covering non-3GPP access networks, whose inclusion would require changes to non-3GPP access networks, are out of scope of the TR.* It was agreed that contributions on these issues should be discussed in SA WG1 and the document updated as appropriate before presentation for approval to TSG SA. The TR was then noted.

It was noted that whenever the "new potential requirements" is empty, this indicates that the scenario can be supported without modifying the existing technical specifications for IMS.

WIDs:

TD SP-030038 Updated OSA Rel-6 WID. This updated WI description was approved.

TD SP-030039 New Work Item Description on ETS (Priority). It was questioned whether there was any regulatory requirement related to this requirement. It was reported that no regulatory requirement had been signalled to SA WG1. It was also reported that there had been a request in the USA, but no regulatory requirement at present. This WI description was then approved.

7.2 TSG SA WG2

7.2.1 Report from TSG SA WG2 and review of progress

TD SP-030112 Status report of SA2 to SA #19. The status report of SA WG2 to TSG SA Plenary #19 was presented by the SA WG2 Chairman.

Slide 10: It was reported that a LCS-related correction to TS 23.032 (Release 1999)* is proposed: UMTS services have been added to the scope of this specification.
***Note: This was a Rel-5 CR, not a Release 1999 CR.**

Slide 21: It was questioned whether Policy Control should be an Optional Feature, and are Policy Control interfaces also defined in Rel-5? It was clarified that Policy Control Interfaces had been defined in Release 5, and that the support for additional Features in Release 6 are still open at this time.

Slide 15: IMS Access using SIM: It was agreed that this issue would need further discussion when the related CRs are presented (under agenda item 7.2.3).

The SA WG2 Chairman was thanked for his report, which was then noted. The SA WG2 Chairman was thanked for his work in Chairing the group over the last 2 years. He thanked his SA WG2 management team for their good support.

7.2.2 Questions for advice from TSG SA WG2

TD SP-030065 LS (from SA WG2) on Clarification of Scenario 2 and Scenario 3 architectural characteristics and stable and non-stable parts of TS 23.234. This was introduced by the SA WG2 Chairman and asked TSG SA to note the current status of the WLAN-IW stage-2 work. There was some discussion on the progress of the work and contributions had been provided in TD SP-030134 and TD SP-030051 which were presented. The LS was then noted.

TD SP-030051 Reply LS to SA2, SA1 (cc: SA) on Charging Implications of 3GPP System – WLAN Interworking. This was provided to TSG SA for information and was noted. SA WG1 and SA WG2 were asked to consider the LS at their meetings. **SA WG2 and SA WG5 were asked to work together to resolve the charging issues.**

TD SP-030134 Responsibility of charging architecture issues. This was introduced by NEC and proposed that the relevant charging parts should be moved to Annex A and to renumber the clauses of the specification. It also proposes a joint meeting between SA WG2 and SA WG5 to finalise the revised specification. It was agreed that SA WG2 and SA WG5 should consider the progress of this work and it was recognised that there are joint activities on this ongoing in these groups. It was noted that SA WG5 was the WG with prime responsibility for the charging architecture work.

TD SP-030151 LS (from SA WG2) on early UE handling. This was introduced by the SA WG2 Chairman and asked TSG RAN to make a decision on the Early UE handling (between "Bitmap" and "IMEISV") in order to allow this work to progress before the timescales become critical. The TSG RAN Chairman reported that no resolution had been possible at the TSG RAN meeting, and had asked for more information on the two options (analysis of the consequences of the different options on the Network) in order to be able to hold a Vote if necessary at the next TSG RAN meeting. The LS was noted.

TD SP-030066 Liaison (from SA WG2) on eTFO. This was introduced by the SA WG2 Chairman and presented the results of the study that SA2 were tasked with at TSG SA meeting #18: To study the system aspects and impacts of enhanced TFO (eTFO). It was stressed that the results provided were based on the very limited time available for the study. There was some discussion on the support-mode efficiency, and it was decided to take related contribution TD SP-030163.

TD SP-030163 Use of eTFO in Nb support mode. This was introduced by the TSG CN Chairman and reported that after more careful analysis by CN experts, it had been determined that it is normal for the Nb

interface to use Iu-FP support mode for transport of G.711 (NP-030127). The analysis concluded that the use of Support Mode also provides a mechanism for hop-by-hop negotiation of eTFO support in media gateways making the introduction of eTFO easier. The contribution was noted.

TD SP-030072 Reasoning for revised eTFO WID. This was introduced by Nortel Networks and was provided in order to support the proposed eTFO Work Item, by providing information on eTFO status in 3GPP and highlighting the benefits of its standardisation. Nortel Networks recommended to approve the work item in order to enable operators to take advantage of the full possibilities of existing in-band Codec negotiation mechanism. There was a question about the advantage of having another Codec definition and of the efficiency of eTFO. It was reported that eTFO allows easier interworking with TrFO than TFO to TrFO and will be particularly relevant for GSM Networks without the Iu interface.

TD SP-030080 eTFO Conclusion. This was introduced by Lucent Technologies on behalf of Lucent Technologies, Siemens and Alcatel. It proposes not to accept eTFO as a WI for 3GPP and to develop a solution for TrFO instead of adding another option to the 3GPP standards.

There was generally sustained support for and against developing eTFO and some support to provide a deeper study on the efficiency etc. of the introduction of eTFO.

TD SP-030082 Updated Work Item Description on Enhanced Tandem Free Operation (Release 6). Due to the reservations about the eTFO work raised at the meeting, consensus was not possible for approval of this WID. It was agreed that the chosen solution should cover all the problems and an in-depth analysis on the technical problems and technical proposals to resolve the identified problems, in order to provide a good all-round solution to the problems, so that a new TFO is not needed in a short time-scale. It was proposed that a WID is drafted in line with these principles. An off-line group was set up to discuss a draft WID and reported that no agreement could be made to produce a WID in the short time available and requested time to discuss this at the next SA WG2 meeting. TD SP-030082 was then noted.

TSG SA asked SA WG2 to discuss eTFO issues considering both the need and the timeframe for introduction of eTFO along the lines of the statements made above.

TD SP-030178 Handling of Early Mobiles. This was introduced by "3" and proposed that TSG SA discuss and agree the “Handling of Early UE” as a release independent mechanism. If agreement can be reached, ‘3’ volunteered to produce the required CR for TS 23.195 in the next SA WG2 meeting. It was agreed that any proposed solution should be based only on functionality that is already in Release 1999. It was further clarified that the earlier versions (i.e. Release 1999 onwards) of specifications would be mainly a pointer to the later version where IMS access is defined.

7.2.3 Approval of contributions from TSG SA WG2

CRs:

TD SP-030113 CRs on 23.060 (GPRS/PS domain stage 2). These CRs were approved.

It was noted that the Rel-6 CR corresponding to CR430r1 (CR418 - S2-023321) had been approved at SA#18 but not implemented in error. CR423r2 included the changes that were provided in CR418, but was a Rel-6 CR. A corresponding Rel-5 CR (CR418r1) was re-provided for approval in TD SP-030179, see below).

TD SP-030179 CR to 23.060 (SA WG2). Rel-5 CR 418 (S2-023321) was approved at SA #18 but not implemented in error. CR418r1 was therefore re-provided for approval and implementation here. This CR was approved.

TD SP-030114 CRs on 23.271 (LCS Stage 2). The changes proposed in CR153r2 and CR154r2 were questioned. After an explanation it was recognised that the reasons for change were not correctly phrased. It was noted that the reference to further information in the first change should include also the GERAN specification. After checking by the TSG RAN Chairman, it was agreed to return these CRs to SA WG2 and RAN WG2 in order to find a solution. **CR153r2 and CR154r2 were therefore rejected**. All other CRs in this document were approved.

TD SP-030115 CRs on 23.002 (Network Architecture). These CRs were approved.

TD SP-030116 CR on 23.032 (LCS Geographic shapes). It was oted that this was an upgrade of the Rel-4 specification to Rel-5. It was clarified that the Rel-4 specification had never been upgraded to Rel-5 possibly due to uncertainty of which WG it belonged to. This CR was approved.

TD SP-030117 CR on 23.107 (QoS). This CR was approved.

TD SP-030118 CRs on 23.141 (Presence). These CRs were approved.

TD SP-030119 CR on 23.207 (End to end QoS). This CR was approved.

TD SP-030171 CR on 23. 221 (Architecture Requirements). This CR was approved.

TD SP-030121 CRs on 23.228 (IMS Stage 2). It was noted that the last CR in the list (CR261r3) had been created by MCC, merging two other agreed SA WG2 CRs. **CR248r2 was dependent upon the agreement on SIM access to IMS, subject to further discussion** and was then rejected. A contribution to ensure correct implementation of CRs 264 and 280r1 had been provided in TD SP-030172 and so these CRs were withdrawn from the list. The remaining CRs were approved.

TD SP-030172 23.228CR280r2: Combined CR for CR264 and CR280rev1. The reason for change information did not include the combination of the reasons for the replaced CRs. The CR was revised to update the cover sheet in TD SP-030181 which was approved.

TD SP-030122 CRs on 23.895 (Early UE handling). These CRs were approved.

TSs/TRs:

TD SP-030130 Draft TS 23.195, Version 1.0.0: Early UE handling. This was presented by the SA WG2 Chairman. This TS was provided for information and was noted.

TD SP-030131 TS 23.240, Version 1.0.0 (GUP Stage 2). This was presented by the SA WG2 Chairman. This TS was provided for information and was noted.

WIDs:

TD SP-030123 WID for Network sharing stage 2. This WI description was approved.

TD SP-030124 WID: PS domain and IM CN subsystem support for IMS Emergency sessions. There was some concern that there may be impact on the UICC (ISIM and/or USIM). This WI description was approved and **SA WG2 were asked to investigate the possible impact on the UICC applications and update the WID accordingly for approval at the next TSG SA meeting**.

TD SP-030125 Revised WID for Early UE. It was noted that the supporting company "H3G" should be changed to "3". This WI description was approved.

TD SP-030126 Push WID update. This WI description was approved.

TD SP-030127 Updated and revised LCS2 Work Item Description. This WI description was approved.

7.3 TSG SA WG3

7.3.1 Report from TSG SA WG3 and review of progress

TD SP-030094 Status Report from SA WG3 to TSG SA#19. The status report of SA WG3 to TSG SA Plenary #19 was presented by the SA WG3 Chairman.

Slide 19: It was clarified that SA WG3 were asked to do an evaluation of security mechanisms, and it needed clarification what the evaluation was to be against (3GPP/SA WG3 requirements or IETF requirements. The TSG CN Chairman reported that the intention was to ensure that nothing introduced by 3GPP would weaken their security. The TSG CN Chairman agreed to send an e-mail to enable the channels for clarification of the security requirements from IETF to SA WG3.

Slide 22: It was clarified that the "joint meeting" with 3GPP2/AHAG was actually a co-located meeting with the group. The SA WG3 Chairman reported that these sessions consisted of 2 hours during the meeting where members of each group discussed interoperability issues with their security mechanisms.

Slide 15: GERAN Security - Uplink TDOA location method. It was clarified by the GERAN Chairman that GERAN had recognised that the proposal could have a security problem and therefore asked SA WG3 for advice on and analysis of this, rather than agreeing to the proposal at their meeting.

Slide 6: The ISIM/USIM issue had been discussed under the SA WG1 presentation, and agreed along the lines of the information from SA WG3 (i.e. ISIM is used if both ISIM and USIM exist on the UICC). It was further clarified by the SA WG1 Chairman that the CR had been discussed in SA WG1 (a revised CR taking this into account the agreements in TD SP-030174).

Slide 11: It was clarified that funding issues would be discussed under Liaisons in TD SP-030070 and TD SP-030074.

The SA WG3 Chairman reported that elections for SA WG3 Chairman and Vice-Chairmen's positions were due at the next SA WG3 meeting and that he did not intend to stand for the Chairmanship position this time.

The SA WG3 Chairman was thanked for his report, which was then noted. The SA WG3 Chairman was thanked for his work in Chairing the group since it's formation in the 3GPP Project. He thanked his SA WG3 management team for their good support during his term of office.

TD SP-030095 Draft report of SA WG3 meetings since TSG SA#18. The draft report of the last meeting of SA WG3 (meeting #27) was provided for information and was noted.

7.3.2 Questions for advice from TSG SA WG3

TD SP-030069 SA WG3 response on the “Additional Release 5 work needed for Policy Control and Subscription Control of Media”. This was introduced by the SA WG3 Chairman and reports that no security features were considered necessary to protect this and other SIP messages of a similar nature. It was noted that no specific problems had been identified by SA WG3. The LS was then noted.

TD SP-030070 LS (from SA WG3) to SA on back up algorithms for UTRAN. TD SP-030074 was provided with a revised version of the attachment (Provisional work plan) to this LS.

It was clarified that the deployment of the second algorithm would be done and it would lie dormant unless needed and then "switched on". It was further clarified that the new algorithm would have the same (very low) possibility of compromise as the original, and therefore, theoretically, could be compromised before the original algorithm.

Considering the budget restrictions, the TSG SA Chairman thought that the only way this funding could be raised would be by reducing the MCC budget (and therefore support), by planning for the next budget year or by asking whether Operators would be interested in Sponsoring the development of the algorithm. It was considered unlikely that the funding could be found with the current budget. The SA WG3 Chairman responded that the issue was of interest to both Operators and Manufacturers, although he could provide a request to the GSMA. The SA WG3 Chairman was asked and agreed to write a letter to all the MRPs outlining the budgetary constraints for the design of this backup algorithm activity. **It was clarified that any funding allocated would be administered by the OPs and the PCG, rather than through TSG SA.**

TD SP-030074 Provisional work plan for the design of the 3GPP confidentiality and integrity algorithms UEA2 and UIA2. This was provided as a revision to the attachment in TD SP-030070. **It was agreed that provided the funding was made available for the work, then this preliminary schedule and work plan was acceptable and was endorsed.**

TD SP-030071 LS (from SA WG3) on: "Requirement to allow IMS access by means of SIM". This was introduced by the SA WG3 Chairman and reports that SA WG3 have serious reservations about the increased security risks to the high-profile IMS service by using the reduced-level security available using SIM. There were also threats to system credibility raised, where the perceived security breach could affect the visited network operator, even though the user has a SIM subscription in his home network and is using his home network IMS service while roaming. It was also thought that the IETF would have to be informed if this is allowed as they had assumed 128-bit strength AKA would be used with their standards.

The SA WG3 Chairman reported that the CR provided at the last TSG SA meeting, which had been rejected awaiting the decision on SIM access to IMS, had been reviewed briefly again by SA WG3 and it had been recognised that more work would be needed on this before approval.

However, all other CRs had been prepared by the other groups, pending the agreement in TSG SA, and the SA WG3 CR would have to take into account these CRs as a mapping of the security requirements to the modified specifications.

A "straw poll" was held to find how many of those present would be in favour of SIM access to IMS based on the information received at the meeting on the impacts of allowing this. The result was that there was no strong desire in the room to introduce this new functionality into Release 5. **It was therefore concluded that SIM access to IMS would not be added as a Feature to Release 5. Therefore any CRs for SIM access to IMS in Release 5 that have been Approved, were now considered as Rejected.**

7.3.3 Approval of contributions from TSG SA WG3

CRs:

TD SP-030096 2 CRs to 33.108: Coding of ASN.1 parameters of the type OCTET STRING (Rel-5, Rel-6). These CRs were approved.

TD SP-030097 CR to 33.108: CS Section for 33.108 (Rel-6). This CR was approved.

TD SP-030098 CR to 33.108: Adjustments to the requirements on the delivery of the intercepted RT data over TCP (Rel-6). This CR was approved.

TD SP-030099 CR to 33.108: Incorrect ASN.1 object tree (Rel-5). This CR was approved.

TD SP-030100 CR to 33.203: Clarification of the use of ISIM and USIM for IMS access. This CR was approved.

TD SP-030101 CR to 33.203: Malicious UE bypassing the P-CSCF (Rel-5). It was explained that SA WG3 had recognised a severe security threat in the Rel-5 specifications and this CR had been created to add guidelines for the use of the mechanisms provided by the specifications. It was agreed that the "shall" in the bullets should be downgraded to "should". The CR was revised in TD SP-030185 which was approved.

TD SP-030102 CR to 33.203: Ensuring the deletion of unwanted SA's (Rel-5). This CR was approved.

TD SP-030103 CR to 33.203: Add protected port into Via header (Rel-5). This CR was approved.

TD SP-030104 2 CRs to 33.210: Za-interface and roaming agreements (Rel-5, Rel-6). These CRs were approved.

TD SP-030105 3 CRs to 33.210: Clarification to the re-keying aspects of network domain security (Rel-5, Rel-6). crs

TD SP-030111 1 CR to 33.203: Correction of the Port 2 definition for SA establishment. This CR was approved.

TD SP- 030149 2 CR to 33.108: Correction to implementation of CR 005 (Rel-5, Rel-6). This CR was approved.

WIDs:

TD SP-030106 WID: Lawful Interception in the 3GPP Rel-6 architecture. This WI description was approved.

TD SP-030107 Updated WID: Revised GERAN A/Gb mode security enhancements work item. This WI description was approved.

TD SP-030108 WID: Network Domain Security; Authentication Framework (NDS/AF). This WI description was approved.

TD SP-030109 Updated WID: 3GPP Generic User Profile Security. This WI description was approved.

7.4 TSG SA WG4

7.4.1 Report from TSG SA WG4 and review of progress

TD SP-030081 SA WG4 Status Report at TSG SA#19. The status report of SA WG4 to TSG SA Plenary #19 was presented by the SA WG4 Chairman.

Slide 12: It was clarified that the Codec performance characteristics would be done to IPv6. It was commented that IPv4 testing may be irrelevant for this Codec.

The SA WG4 Chairman was thanked for his report, which was then noted.

7.4.2 Questions for advice from TSG SA WG4

There were no specific contributions under this agenda item.

7.4.3 Approval of contributions from TSG SA WG4

TD SP-030085 CR to TS 26.073 - MMS compatible input/output option (Rel-5). This CR was approved.

TD SP-030086 CR to TS 26.093 - Handling of FACCH and RATSCCH during AMR DTX (Rel-6). This CR was approved.

TD SP-030087 CRs to TS 26.102 - AMR rate adaptation (Release 1999, Rel-4 and Rel-5). These CRs were approved.

TD SP-030088 CRs to TS 26.104 - Correction to floating-point implementation for AMR (Release 1999, Rel-4 and Rel-5), and MMS compatible input/output option (Rel-5). These CRs were approved.

TD SP-030089 CRs to TS 26.173 Harmonization of 3GPP TS 26.173 and ITU-T G.722.2 C-codes, and Correction for handling of RX_NO_DATA frames (Rel-5). These CRs were approved.

TD SP-030090 CRs to TS 26.204 - Corrections (Rel-5). These CRs were approved.

TD SP-030091 CRs to TS 26.234 - Corrections (Rel-5). These CRs were approved.

TD SP-030092 CRs to TS 26.236 - Corrections (Rel-5). These CRs were approved.

TD SP-030093 CRs to TR 26.911 - Clarification of bit-order handling for 3G-324M terminals (Release 1999, Rel-4 and Rel-5). These CRs were approved.

WIDs:

TD SP-030082 Updated Work Item Description on Enhanced Tandem Free Operation (Rel-6). This was dealt with under Agenda Item 7.2.2. (The WID was not agreed and an ad-hoc group met to discuss a possible alternative WID).

TD SP-030083 Updated Work Item Description on AMR-WB extension for high audio quality (Rel-6). This WI description was approved. It was again noted that revised WIDs should be presented to TSG SA with revision marks showing the changes to be approved.

TD SP-030169 WID for Higher Bit-rate Audio Codec. It was agreed that in order to submit a Candidate Codec, it is not necessary to create a formal Work Item, but the required detailed information should be provided to SA WG4 for the evaluation work. SA WG4 were asked to check their generic streaming work item to determine if any changes are required to contain new candidates within their scope. It was stressed that the candidates for the Codecs will not undergo any development in 3GPP and will need to be presented as a complete Codec to be evaluated alongside the AMR-WB+ candidate Codec. SA WG4 need to provide precise requirements for the candidates.

It was noted that the intention to submit a candidate was received as listed in Slide 18.

It was clarified that there are various ways of including the Codec specification in the 3GPP specification set, either by reference, quotation or production of new draft TSs and TRs in 3GPP. This should be considered after the selection of the Codec is complete.

It was noted that the deadline for declaration of intent for AMR-WB+ Codec candidate submissions is 31 March 2003. **It was also agreed that the deadline for declaration of intent for all other Codec candidate submissions is also 31 March 2003.**

Detailed criteria for evaluation of candidates was expected from SA WG4 for TSG SA meeting #20.

7.5 TSG SA WG5

7.5.1 Report from TSG SA WG5 and review of progress

TD SP-030040 Status report of SA5 to SA #18. The status report of SA WG5 to TSG SA Plenary #19 was presented by the SA WG5 Chairman.

Slide 13: It was clarified that "Service Specific Entities" referred to any additional, mainly IP-related, Network Elements, which may need different management mechanisms. They are defined as (TR 21.905) Entities dedicated to the provisioning of a given (set of) service(s).

Slide 17: Trace Management. As this is based on IMEI and IMSI, there may have some privacy issues. The SA WG5 Chairman reported that this has been discussed in SA WG5, but is not the main focus of their current work, as it is more a regulatory issue.

Slide 3: "Telia" should read "Telia-Sonera".

Slide 18: It was clarified that SA WG5 intended not to delete or withdraw the previous Releases, but will continue with the new structure from Rel-6.

Slide 15: UE Management. It was clarified that SA WG5 has undertaken to analyse the overlaps and gaps between its work and that of OMA on Device Management, with the objective of eliminating overlaps (i.e re-using OMA work) and focusing effort on the gaps. It was reported that there is ongoing Liaison between SA WG5 and OMA and the boundaries of their work should be easily identified.

The SA WG5 Chairman was thanked for his report, which was then noted.

7.5.2 Questions for advice from TSG SA WG5

TD SP-030044 Reply LS from SA5 to 3GPP2 on "Completion of R4-based 3GPP2 OAM&P Delta Specification (S.S0028-A)". This was provided for information and was noted.

TD SP-030045 Reply LS to OMA Requirements Group (cc: SA, SA3, T, T2, T3) on OMA Device Management Requirements document. This was presented by the SA WG5 Chairman. It was reported that SA WG5 needed to analyse the work in OMA and determine what work should be done in each group. SA WG5 were encouraged to complete this analysis and provide a report and any issues to TSG SA. the LS was then noted.

TD SP-030046 Proposal on NEW structure and content of the Charging TSs 32.2xx Rel-6. The proposed new structure for the Rel-6 Charging specifications was approved.

TD SP-030052 Reply LS to T2 (cc: GSMA, SA, T) on Alignment of MMS Message Size definition. This was introduced by the SA WG5 Chairman and was provided for information. The LS was noted.

7.5.3 Approval of contributions from TSG SA WG5

CRs:

TD SP-030043 Rel 5 CR 32.101 (Telecommunication management; Principles and high level requirements) : Align QoS Terminology with SA2's 23.207 & CN3's 29.207. This CR was approved.

TD SP-030053 3 Rel-99/4/5 CRs 32.015/32.200 (PS/Bearer Charging): "Correction of M-CDR usage". These CRs were approved.

TD SP-030054 2 Rel-4/5 CRs 32.205 (CS Charging): "CDR correction for data services over Iu-interface - alignment with SA1's 22.002". These CRs were approved.

TD SP-030055 2 Rel-5 CRs 32.200/32.215 (PS/Bearer Charging): "Addition of SGSN's Mobile Country Code (MCC) and Mobile Network Code (MNC) on G-CDR - alignment with CN4's 29.060". These CRs were approved.

TD SP-030056 Rel-5 CR 32.205 (CS Charging): "Corrections to ASN.1 Syntax associated with Wireless Number Portability (WNP)". This CR was approved.

TD SP-030057 11 Rel-5 CRs 32.225 Charging data description for the IP Multimedia Subsystem (IMS). These CRs were approved.

TD SP-030058 2 Rel-4/5 CRs 32.235 (Service Charging): "Corrections on MMS addressing - alignment with T2's 23.140 (MMS stage 2)". These CRs were approved.

TD SP-030059 2 Rel-4/5 CRs 32.235 (Service Charging): "Correction of Message Size Definition - alignment with T2's 23.140". These CRs were approved.

TD SP-030060 Rel-5 CR 32.235 (Service Charging): "Add support of VASP in MMS Charging - alignment with T2's 23.140". This CR was approved.

TD SP-030061 2 Rel-4/5 CRs 32.102 (Telecommunication management; Architecture) "Add New Subclause to IS Template for Notification Related IOCs". These CRs were approved.

TD SP-030062 4 Rel-4/5 CRs 32111-2 & -3 (Fault Management; Alarm Integration Reference Point (IRP): Information Service, CORBA solution set) "Add Missing ITU-T M.3100 Probable Causes". These CRs were approved.

TD SP-030063 4 Rel-4/5 CRs 32111-2 & -4 (Fault Management; Alarm Integration Reference Point (IRP): Information Service, CMIP solution set) "Corrections regarding Alarm Acknowledgement and Alarm Comments - alignment with 32.111-1". These CRs were approved.

TD SP-030064 3 Rel-4/5 CRs 32111-3, 32.303 (Fault Management; Part 3: Alarm IRP; CORBA solution set & Configuration Management (CM); Notification IRP; CORBA solution set) "Correction of CORBA ALARM_IRP_VERSION in line with adopted Rel-5 policy". These CRs were approved.

TD SP-030137 4 Rel-4/5 CRs 32303 (Configuration Management (CM); Notification Integration Reference Point (IRP); CORBA SS). CR006 was withdrawn by SA WG5 as it had been written to the wrong version of the specification. CRs 007, 008 and 009 were approved.

TD SP-030138 4 Rel-5 CRs 32111-2,-3 & -4 (Fault Management; Alarm IRP: Information Service, CORBA & CMIP solution sets). It was noted that CR025 had been written to the wrong version of the specification, but SA WG5 Chairman assured that the application of this had been checked, and the affected text had not changed between version 5.1.0 and 5.2.0. These CRs were then approved.

TD SP-030139 2 Rel-5 CRs 32.603 (Basic Configuration Management IRP: CORBA SS). These CRs were approved.

TD SP-030140 2 Rel-5 CRs 32.613 (Bulk Configuration Management IRP; CORBA SS). These CRs were approved.

TD SP-030141 2 Rel-4/5 CRs 32.623 (Configuration Management (CM); Generic network resources IRP: CORBA SS). These CRs were approved.

TD SP-030142 2 Rel-4/5 CRs 32.632 (Configuration Management (CM); Core Network Resources IRP: Network Resource Model).These CRs were approved.

TD SP-030143 2 Rel-5 CRs 32.663 & 32.673 (CORBA solution sets of: Kernel Configuration Management & State Management IRP). These CRs were approved.

TD SP-030144 2 Rel-5 CRs 32.602 & 32.603 (Basic Configuration Management IRP information service & CORBA SS) " Add post-condition for notifications of each activeCM operation and one exception for createMO". These CRs were approved.

TD SP-030145 4 Rel-6 CRs 32.661/2/3/4 (Kernel Configuration Management: requirements/ information service/ CORBA & CMIP solution set) "Add requirement for the emission of notifyCMSynchronizationRecommended notification". These CRs were approved.

TD SP-030146 2 Rel-4/5 CRs 32.403 (Performance measurements - UMTS and combined UMTS/GSM) "Correction of the subscriber number measurement definitions". These CRs were approved.

TD SP-030147 Rel-6 CR 32.421 (Subscriber and equipment trace: Trace concepts and requirements) "Corrections to Trace requirements - alignment with SA2's 23.002". This CR was approved.

TSs/TRs:

SA WG5 reported that they would like to continue TS 52.402 into Release 5, based on the Release 4 version. **This was approved and MCC were asked to create the Release 5 version.**

TD SP-030041 Draft Rel-6 TS 32140 v2.0.0 Telecommunication management; Services operations management; Subscription management requirements. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-030042 Draft Rel-6 TS 32141 v100 Telecommunication management; Services operations management; Subscription management architecture. This TS was provided for information and was noted.

WIDs:

TD SP-030047 Revised SP-020729 Rel-6 Feature WID on Charging Management. This revised WI description was approved.

TD SP-030048 Revised SP-020730 Rel-6 BB (BB1) WID on Charging Management for Bearer level. This revised WI description was approved.

TD SP-030049 Revised SP-020731 Rel-6 BB (BB2) WID on Charging Management for the IM Subsystem. This revised WI description was approved.

TD SP-030050 Revised SP-020732 Rel-6 BB (BB3) WID on Charging Management for the Service domain. This revised WI description was approved.

7.6 Review of TSG SA work programme

There were no specific contributions under this agenda item.

7.7 Letters to other groups

SA Document number	Title	To	CC
SP-030167	LS from ETSI TC AT-Features: Work on MMS for PSTN/ISDN in AT-F	(Forward to) T_WG2	
SP-030173	Reply to OMA m-Commerce WG: Re: Questionnaire to 3GPP	OMA m-Commerce WG, SA WG5	

7.8 Other issues

TD SP-030073 Discussion on IPv6 utilisation within IMS. This contribution was dealt with under agenda item 4 and was not returned to under this agenda item.

TD SP-030153 Improving Cooperation Between 3GPP and OMA. This was introduced by Nortel Networks and proposed that, in order to improve the cooperation between 3GPP and OMA, to form a detailed agreement covering:

- *The scope and responsibility for existing work items of common interest*
- *General guide-lines for ownership of future standards topics*
- *What dependencies OMA specifications have on 3GPP interfaces and protocols*
- *How cross-dependencies will be managed between OMA and 3GPP*
- *How status information will be reported between OMA and 3GPP*

It was also proposed that TSG SA write a letter to OMA outlining this proposal.

It was recognised that there are dependencies between 3GPP and the OMA,

It was considered necessary to look into the internal 3GPP WGs work to find any overlap of reponsibility and work, and to take action on this before performing the same task with other bodies.

All3GPP WGs were asked to check their ongoing WIs and identify any work in their WG related to work in OMA and to report the situation to TSG SA in order that TSG SA can decide on what additional co-ordination mechanism needs to be put in place. It was requested to provide information in advance of the next TSG SA meeting. **Mr. K. Holley agreed to collate all inputs received from the WGs to input to the next TSG SA meeting.**

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-030156 TSG CN Chairman's Report of TSG CN meeting #19. The report of the activities, agreements and issues of TSG CN meeting #19 were presented by the TSG CN Chairman.

Changes to the leadership of TSG CN and its' working groups was provided in Slide 11.

Slide 8: It was clarified that CN WG3 will be involved to some extent in the WLAN issues, but the WLAN issues such as authentication and interworking issues covered by CN WG4, and possible CN WG1.

Slide 9: It was clarified that CN WG3 have some assumptions on the use of IPv6 in 3GPP system, and SA WG2 were asked to look at the IETF drafts and consider what 3GPP wants to do on this in order that some work can be started in CN WG3.

The TSG CN Chairman was thanked for presenting his report, which was then noted.

TD SP-030157 Draft Report of TSG CN meeting #19. The draft report from TSG CN meeting #19 was provided for information and was noted.

TD SP-030158 IETF status report. The status report of the IETF was presented by the TSG CN Chairman. A successful Rel-6 workshop had been held between 3GPP and IETF (see the workshop report TD SP-030159 under agenda item 6.1). Two SIP drafts are still not completed (svcrtdisc, 3pcc). 12 drafts approved but still awaiting publication. IETF to continue to try and expedite all outstanding 3GPP Rel 5 dependencies. Diameter base completed but not yet published. Credit-control and multimedia-app approved as AAA WG

items. It was notedthat 3GPP would need to provide a list of items requested for completion for Rel-6 for presentation to the IETF. The report was then noted.

8.1.2 Information on Release 1999, Release 4, 5 and 6 in TSG CN

TD SP-030160 LS (from TSG CN) on proposed deletion of security-related work items in TSG CN. This was introduced by Vodafone and proposed the deletion of WIs which have no progress, on the Ze interface protocol and SA WG3 were encouraged to provide resources and contribution to the CN WG4 meetings if this is still required. More detail on the WI "Feasibility study on network impacts of enhanced HE control of security" was also requested from SA WG3, if this item is still required. The LS was noted.

TD SP-030170 LS (from TSG CN) on Co-ordination of SDO input to ITU-T Q.1741.3. This was introduced by the TSG CN Chairman and provided a list of TSs and TRs which are recommended as a basis for the SDOs to use as a response to the ITU-T. The LS was noted.

TD SP-030162 LS (from TSG CN) on error handling in Pre-R99 networks. This was introduced by the TSG CN Chairman and requests the GSMA to deploy corrections to their Networks and to indicate the exopected duration of the problem. TSG CN had also undertaken a analysis and recorded the results in a report. The LS was noted.

TD SP-030133 Storage of IMEI information in the HLR. This was introduced by T-Mobile on behalf of Vodafone Group and T-Mobile Deutschland and proposes a two step procedure:

(Step 1)The IMEI of the recipient's terminal is evaluated by the MMS relay/server. If the terminal is actually MMS capable the MMS push notification is initiated. If the terminal is not MMS capable but at least WAP capable,
then
(Step 2)the User Agent Header is checked and appropriate action on the outcome is taken:
- *MM delivery, or*
- *MM delivery after content adaptation/conversion, or*
- *SMS to enable Web retrieval.*

It was asked how the proposal deals with terminals which can be upgraded or have the capability of downloading applications. It was explained that the contributors wanted to try to cover the large majority of expected users, who would not know the capability of their terminal or the termainal they are sending MMS to. Additional dowloaded applications could not be covered in this way.

It was suggested that this functionality could be implemented outside of standards, e.g. by use of web pages with an interface to the operator databases, or via a call-centre.

It was also noted that the introduction of new services was not covered by the proposal.

The concerns about the IMEI solution were noted. Members (and in particular, Operators) who expressed concerns were asked to contribute to SA WG1, who should discuss the requirements and study the issues at the next SA WG1 meeting. The contributors of this document were asked to raise this issue at the next SA WG1 meeting. CN WG4 should wait for acknowledgement from SA WG1 before commencing work on this issue. It was noted that T WG2 also needs to be involved if it is decided to develop this solution. WGs were asked to keep CN WG4 and T WG2 informed on this matter.

8.1.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item. The status of Releases in TSG CN were reported in the TSG CN Status report under agenda item 8.1.1.

8.2 Report from TSG RAN

8.2.1 Report and questions for discussion from TSG RAN

TD SP-030182 TSG RAN Chairmans Report to TSG SA #19. The report of the activities, agreements and issues of TSG RAN meeting #19 were presented by the TSG RAN Chairman.

Slide 10: It was clarified that the WI did not get approved as there was no consensus for it. However, delegates were allowed to contribute and start work in this area, RAN WG3 were tasked to produce a solution which would be acceptable to all parties.

Slide 6: It was clarified that Liaison with CISPR is already allowed, and TSG RAN did not intend to go through an SDO when the path is already open for direct Liaison.

Slide 9: The proposal for additional frequency bands was clarified as being a request from US Operators, and this received enough support to start a study on this.

Slide 11: Network assisted Cell-Change: It was reported that from UTRAN to GERAN, the GERAN system would need to be informed of the different Mobility Management architecture and mechanism.

The current view of TSG RAN for holding only 3 meetings per year was questioned. The TSG RAN Chairman replied that with the work load currently experienced at TSG RAN meeting (in particular, a large number of Release 1999 CRs), it was considered unlikely to be able to reduce the number of meetings in the near future.

Early UE discussions:

It was agreed that SA WG2 should assist in analysing the architectural impact of the 2 modes (IMEISV and bitmap) from a Architecture perspective and to provide the results of the study to RAN WG3 and any other impacted WGs.

TD SP-030183 Draft Report of TSG RAN meeting #19. The draft report from TSG RAN meeting #19 was provided for information and was noted.

8.2.2 Information on Release 1999, Release 4, 5 and 6 status in TSG RAN

There were no specific contributions under this agenda item. The status of Releases in TSG RAN were reported in the TSG RAN Status report under agenda item 8.2.1.

8.2.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item. The status of Releases in TSG RAN were reported in the TSG RAN Status report under agenda item 8.2.1.

8.3 Report from TSG T

8.3.1 Report and questions for discussion from TSG T

TD SP-030180 Report from TSG T to TSG SA#19. The report of the activities, agreements and issues of TSG T meeting #19 were presented by the TSG T Chairman.

Slide 13: It was clarified that there is a long list of enhancements to improve MMS or Rel-6. T WG2 were asked to reduce the scope of the enhancements in order to provide a realistic timescale for Rel-6 completion. It was also expected that the enhancements will be prioritised by the WGs.

Slide 14: Harmonisation between 3GPP and 3GPP2: It was clarified that this mainly refers to the interworking across network boundaries and network capabilities.

Slide 10: The working relationship with OMA IOP WG was clarified to be concerned with the conformance testing in order to reduce any overlap as far as possible and reuse the work done in both groups. The full scope of the relationship is still under discussion.

It was noted that there were discussions with OMA on a number of subjects and the overlap of work is being identified.

The TSG T Chairman was thanked for presenting his report, which was then noted.

TD SP-030189 Draft report of TSG T meeting #19. This was provided for information and was noted.

8.3.2 Information on Release 1999, Release 4, 5 and 6 status in TSG T

TD SP-030067 LS from T WG1: Reply to LS on requirement to test non-transmission of newly defined IEs in RRC protocol for Early UE handling. This was a copy of TD SP-030008 which was dealt with under agenda item 6.1.

TD SP-030068 LS from T WG3: the UICC/USIM, part of the 3GPP system. This LS was provided for information and was noted.

8.3.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item. The status of Releases in TSG T were reported in the TSG T Status report 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-030168 TSG GERAN Status Report to TSG SA#19. The report of the activities, agreements and issues of TSG GERAN were presented by the TSG GERAN Chairman.

The GERAN WG5 Chairman stepped down from the position and the position is now Vacant. It is proposed to merge the WGs GERAN WG4 and GERAN WG5 and this will be done at the next meeting on a trial basis.

TSG GERAN have been made aware of problems with Release 1999 mobiles in some pre-Release 1999 networks: Release 1999 mobiles might be rejected due to revision level indication in the Classmark; Release 1999 extensions to GPRS protocols may cause the network to reject messages and specifications have in the past been updated to clarify the behaviour. An LS has been sent to the GSMA asking for action to help quick deployment of network ”corrections”.

The TSG GERAN Chairman thanked himself for presenting his report which was then noted.

8.4.2 Information on Release 1999, Release 4, 5 and 6 status in TSG GERAN

There were no specific contributions under this agenda item. The status of Releases in TSG GERAN were reported in the TSG GERAN Status report under agenda item 8.4.1.

8.4.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item. The status of Releases in TSG GERAN were reported in the TSG GERAN Status report under agenda item 8.4.1.

8.5 Letters to other groups

There were no specific contributions under this agenda item. See agenda item 7.7.

8.6 3GPP Work plan

TD SP-030192 Work Plan version 14 March 2003. This was provided for information and contained the most recent detailed 3GPP Work Plan. This was noted.

TD SP-030191 Review of the Work Plan at Plenaries #19. This was presented by A. Sultan, the 3GPP Work Programme Manager. The Slides had been produced in collaboration with the WG Secretaries in MCC and provided an overview of the status of the 3GPP Work Items.

Slide 36: **It was agreed to delete Identity Portability in IMS**. If subsequently work is wanted then this can be re-submitted with the necessary support in the future.

Slide 42: **It was clarified that there were no implications on subscription management identified for T WG3 in Rel-6.**

Slide 46: **It was agreed that Stage 2 and Stage 3 are needed for Speech recognition and Speech enabled services**. Members were asked to provide resources to progress the Stage 2 work.

Slide 53: Support for Subscriber Certificates. **It was clarified that SA WG1 and SA WG2 has done some work on this. Work in T WG3 is not yet started.**

Slide 56: Provision of UE specific behaviour Information: **It was agreed that there was no specific Stage 1 required for this**. It was clarified that **no decision has yet been made for Handling of Early UEs**.

Slide 33: **It was reported that MAP Application Layer Security (including the Ze interface WI) has been deleted in TSG CN**. This can be re-instated if there is contribution and support.

Slide 35: It was commented that the study of subscriber and operator relationships in IMS had no foreseen completion date at this time.

Slide 44: It was commented that the Stage 3 should be finished by December 2003.

Slide 30: LCS Enhancements 2: It was requested that the late finalisation of the CN work does not delay the completion of the overall Feature. It was noted that independent parts of a Feature could be split out into seperate Features in order to void delays.

Slide 67: GERAN WID: Support of conversational services in A/Gb mode. It was noted that GERAN had created the April 2004 date for finalisation of this Feature.

Discussion on Release 6 timing and content:

There was a discussion on the status of the work plan taking the conclusions of the presentation as a basis (Slide 78).

It was commented that there seemed low confidence in completing the items for December 2003, and any stray from the time scale would most likely be to finish later. Therefore there is no justification for freezing Rel-6 too soon.

It was also commented that without a fixed, aggressive target date, there is a chance that the work will not progress so quickly. It was argued that the resources provided to the work was the responsibility of the Individual Members, and should not depend upon the target date given.

It was commented that it would be better to have a good stable set of standards for Rel-6 and an early date would not allow this in most cases and would result in a high amount of maintenance to the specifications.

There was some discussion, and it was pointed out that if a Rel-6 date is chosen, then any item which is not sceduled for completion in time would need to be given lower priority in order to complete the Rel-6 WIs. This could result in a slowing down of progress on these items.

It was agreed that as a preliminary assumption, that either December 2003 or March 2004 would be chosen as completion date for Release 6. The Work Plan progress will be reviewed again at the next TSG SA Meeting in order to determine a reasonable and generally acceptable date for freezing.

The Slides were updated following the discussion in TD SP-030195 which was noted.

8.7 Review of Release 1999, Release 4 and Release 5 specification sets

TD SP-030193 Specifications not yet under change control, but pertaining to frozen Releases. This was introduced by J. Meredith, MCC Specifications Manager and was briefly reviewed. Members were asked to verify the specifications shown in highlight text.

WGs were asked to check their "frozen Release" specifications which are not completed and decide whether they should be progressed, moved to the next release, or deleted.

The contribution was then noted and will be updated according to feedback from the WGs.

TD SP-030077 CRs to lists of specs, frozen Releases. These CRs were approved. Mr. Meredith was asked to create the specifications lists in TS 01.01 in all earlier Releases (GSM Phase 1 to Release 1998).

TD SP-030078 Specs status list prior to TSGs#19. This was introduced by J. Meredith, MCC Specifications Manager and was noted. Members were asked to check the document off-line and provide feedback to Mr. Meredith.

TD SP-030079 Specs status list following TSG SA#19. This was not available as it will be updated with the latest information on specification status after the meeting, and provided on the FTP server.

8.8 Review of Release 6 status, content and completion

There were no specific contributions under this agenda item.

8.9 Beyond Release 6 and/or Current work plan (Vision, Phasing, New Technology etc.)

TD SP-030190 Status report for evolution workshop. This was presented by the Evolution Workshop Chairman.

The Workshop requested a continuation of its mandate until September 2003. This was agreed.

The Workshop expressed a desire to continue meeting during the week of the TSG SA Plenary and asked if more time could be allocated. It was agreed that TSG SA needed to start at 13.00 on the first day of the meeting and the Workshop could continue up until this time. If the Workshop overruns it's allocated time, the TSG SA Chairman can delay the start of the TSG SA meeting in order to allow the Workshop delegates time to have lunch. The next Future Evolution workshop will be from 08.00 to 12.30 on Monday 9 June 2003.

TD SP-030175 Draft Minutes of Future Evolution meeting #3. This was provided for information and was noted.

8.10 Other issues

There were no specific contributions under this agenda item.

9 Project Management

9.1 Review of work programme

There were no specific contributions under this agenda item.

9.2 Working methods

There were no specific contributions under this agenda item.

9.3 Other issues

There were no specific contributions under this agenda item.

10 Project support

TD SP-030186 Report of Support Team activities. This was presented by A. Scrase, Head of MCC and provided information on staff changes and status of the work within MCC. It was reported that due to budget constraints, the 2 experts leaving MCC this year cannot be replaced and if the budget constraints continue, it may be necessary to reduce the support team by 1 more member. **Therefore there will be less resources for 3GPP support unless alternative forms of funding for MCC are found**. MCC are still committed to supporting the project to their highest abilities, with the available resources.

The options and consequences for maintaining MCC support was requested. It was reported that some options had already been discussed in the Leaders forum. However, at present the consequences are that some WGs will need to be supported by remaining members of MCC, and this means more work for the remaining team members. WGs were asked to consider their meeting frequency and coordination in order to

allow a reduction in the travel and subsistence budget within MCC, e.g. by co-locating and merging some meetings, etc.

Mr. Scrase was thanked for his report, which was then noted.

TD SP-030187 Results of the Chairmans' Satisfaction Survey 2002. This was presented by A. Scrase, Head of MCC and provided the results of a Satisfaction survey among Chairmen and Vice Chairmen concerning the support and services received from MCC. The results were generally good and highlighted areas for some improvement, which will be taken into account by MCC. It was suggested that the survey should be made more general to provide feedback from delegates and find the perception from the users of the specifications and MCC services. Mr. Scrase was thanked for his presentation oif these results which were then noted.

11 Postponed issues from earlier in the meeting

TD SP-030188 3GPP Calendar of Meetings. Nokia provided some general travel information on the meeting in Finland.

It was repoorted that the reduction in number of TSG Plenaries per year had been discussed in the Leaders group. The general conclusion was that if the number of Plenary meetings reduces, the number of WG meetings in between would increase and would increase problems on the creation of CRs (where CRs would be produced to text already changed by CRs) and the availability of specification sets would be reduced to 3 or 2 times per year. It was noted that the dates for TSG SA#24 should be 7-10 June 2004. The Calendar of meetings was then noted.

12 Work plan and future meetings

TD SP-030188 Calendar of 3GPP meetings. This was provided for information and was noted.

13 Any other business

The TSG RAN Chairman reported that there will be a meeting of TSG RAN, SA WG2 and CN WG1 on 24-25 April 2002 in Paris regarding *Idle-mode in UTRAN issues*.

14 Close of meeting

The TSG SA Chairman thanked the delegates for their hard work and cooperation during the meeting, the Meetings Hosts, UK Operators and the Support staff for the excellent facilities provided for the TSG meetings. He then closed the meeting.

Annex A: Co-ordinates of TSG and WG Officials

A.1 TSG SA Officials

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A.4 TSG T Officials

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A.5 TSG GERAN Officials

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Vice Chairman	Vacancy					
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Vice Chairman	Vacancy					
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Vice Chairman	Vacancy					
Vice Chairman	Vacancy					
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Vice Chairman						
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Annex B: List of documents

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-030001	Draft agenda for TSG SA meeting#19	TSG SA Chairman	2.1	Approval		Approved
SP-030002	Draft Report for TSG SA meeting #18	TSG SA Secretary	2.2	Approval		Approved. Vsn 1.0.0 to be placed on FTP server
SP-030003	LS from EP SCP: Third Form Factor work status and request for additional requirements	EP SCP	6.2	Information		Noted
SP-030004	LS (from SA WG1) on SIM Temperature Ranges	SA WG1	6.1	Information		Noted
SP-030005	LS from SA WG1: Response to S1-030133 Third Form Factor work status and request for additional requirements	SA WG1	6.1	Information		Noted
SP-030006	LS (from SA WG2) on IP session control API	SA WG2	6.1	Information		Noted
SP-030007	LS (from CN WG1) on Early UE Handling	CN WG1	6.1	Information		Noted
SP-030008	Reply (from T WG1) to LS on requirement to test non-transmission of newly defined IEs in RRC protocol for Early UE handling	T WG1	6.1	Information		Noted
SP-030009	LS (from CN WG5) on Status of OSA Rel6 Requirements	CN WG5	6.1	Information		Noted
SP-030010	Presentation of SA1 to SA #19	SA WG1	7.1.1	Information		Noted
SP-030011	Status report of SA1 to SA #19	SA WG1	7.1.1	Information		Noted
SP-030012	CRs to 21.905 on Entities of the mobile system (Rel-5/6)	SA WG1	7.1.3	Approval		Approved
SP-030013	CR to 22.060 on SS SMS transfer over GPRS (Rel-5)	SA WG1	7.1.3	Approval		Approved. Members asked to bring Rel-6 Crs to S1 on their concerns
SP-030014	CRs to 22.078 on CAMEL interworking with CLIR and COLR (Rel-5/6)	SA WG1	7.1.3	Approval		Approved
SP-030015	CR to 22.078 on Removal of duplicate text in procedure describing 'subscribed dailled services' (Rel-5)	SA WG1	7.1.3	Approval		Approved
SP-030016	CRs to 22.078 on Removal of $(CAMEL4)$ markers (Rel-5/6)	SA WG1	7.1.3	Approval		Approved
SP-030017	CR to 22.101 on SIM access to IMS (Rel-5)	SA WG1	7.1.3	Approval	SP-030174	Revised in SP-030174
SP-030018	CR to 22.105 on Correlation between service class and traffic class (Rel-5/6)	SA WG1	7.1.3	Approval		CR116 Rejected. CR117 Approved as Cat "F"
SP-030019	CRs to 22.060 on Delay Criteria and Service Examples (Rel-6)	SA WG1	7.1.3	Approval		Approved (Rel-6 CRs)
SP-030020	CR to 22.071 on Applicability of barring capability to the Location Service (Rel-6)	SA WG1	7.1.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-030021	CR to 22.078 on Corrections to re-introduction of enhancements of dialled services in CAMEL 4 (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030022	CR to 22.101 on Simultaneous connection to 3GPP systems and I-WLANs (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030023	CRs to TS 22.115 on Clarification of the charging entity WLAN & when Roaming (Rel-6)	SA WG1	7.1.3	Approval	CR010 revised in document SP-030176	CR010 revised in SP-030176. CR008 Approved
SP-030024	CR to 22.140 to clarify prioritisation (Rel-6)	SA WG1	7.1.3	Approval		Approved. Impact on 32.xxx
SP-030025	CR to 22.141 on Clarification of network status attribute description within Presence Service Stage 1 (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030026	CR to 22.146 on MBMS Cell broadcast in shared network (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030027	CRs to 22.174 on various subjects (Rel-6)	SA WG1	7.1.3	Approval		CR006, 007, 008, 009 Approved. CR010 Rejected
SP-030028	CR to 22.228 on GUP for IMS subscription management (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030029	CR to 22.223 on PSS charging information (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030030	CR to 22.242 on DRM collaboration with OMA (Rel-6)	SA WG1	7.1.3	Approval	SP-030177	References revised in SP-030177
SP-030031	CR to 22.243 on Correction of contradictory information (former: 'Removal of references') (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030032	CR to 22.340 on required message formats for IMS messaging (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030033	CR to 22.950 addressing progression of priority level when interworking with external networks (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030034	CRs to 22.951 on Network sharing (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030035	CR to TS 22.011, 22.101, 22.115 and 22.129 on Network Sharing Requirements in Rel-6	SA WG1	7.1.3	Approval		Approved
SP-030036	TS 22.240 V2.0.0 GUP stage 1 for approval	SA WG1	7.1.3	Approval		Approved (Rel-6)
SP-030037	TR 22.800 V1.0.0 on IMS Subscription and access scenarios	SA WG1	7.1.3	Information		Noted. Feedback to SA1 requested
SP-030038	Updated OSA Rel-6 WID	SA WG1	7.1.3	Approval		Approved
SP-030039	New Work Item Description on ETS (Priority)	SA WG1	7.1.3	Approval		Approved
SP-030040	Status report of SA5 to SA #18	SA WG5 Chairman	7.5.1	Information		Noted
SP-030041	Draft Rel-6 TS 32140 v200 Telecommunication management; Services operations management; Subscription management requirements	SA WG5	7.5.3	Approval		Approved (Rel-6)

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-030042	Draft Rel-6 TS 32141 v100 Telecommunication management; Services operations management; Subscription management architecture	SA WG5	7.5.3	Information		Noted
SP-030043	Rel 5 CR 32.101 (Telecommunication management; Principles and high level requirements) : Align QoS Terminology with SA2's 23.207 & CN3's 29.207	SA WG5	7.5.3	Approval		Approved
SP-030044	Reply LS from SA5 to 3GPP2 on "Completion of R4-based 3GPP2 OAM&P Delta Specification (S.S0028-A)"	SA WG5	7.5.2	Information		Noted
SP-030045	Reply LS to OMA Requirements Group (cc: SA, SA3, T, T2, T3) on OMA Device Management Requirements document	SA WG5	7.5.2	Information		S5 and OMA work analysis needed. Noted
SP-030046	Proposal on NEW structure and content of the Charging TSs 32.2xx Rel-6	SA WG5	7.5.2	Approval		New Rel-6 Structure approved
SP-030047	Revised SP-020729 Rel-6 Feature WID on Charging Management	SA WG5	7.5.3	Approval		Approved
SP-030048	Revised SP-020730 Rel-6 BB (BB1) WID on Charging Management for Bearer level	SA WG5	7.5.3	Approval		Approved
SP-030049	Revised SP-020731 Rel-6 BB (BB2) WID on Charging Management for the IM Subsystem	SA WG5	7.5.3	Approval		Approved
SP-030050	Revised SP-020732 Rel-6 BB (BB3) WID on Charging Management for the Service domain	SA WG5	7.5.3	Approval		Approved
SP-030051	Reply LS to SA2, SA1 (cc: SA) on Charging Implications of 3GPP System – WLAN Interworking	SA WG5	7.2.2	Information		Noted. S2 and S5 asked to work together to solve issues
SP-030052	Reply LS to T2 (cc: GSMA, SA, T) on Alignment of MMS Message Size definition	SA WG5	7.5.2	Information		Noted
SP-030053	3 Rel-99/4/5 CRs 32.015/32.200 (PS/Bearer Charging): "Correction of M-CDR usage"	SA WG5	7.5.3	Approval		Approved
SP-030054	2 Rel-4/5 CRs 32.205 (CS Charging): "CDR correction for data services over Iu-interface - alignment with SA1's 22.002"	SA WG5	7.5.3	Approval		Approved
SP-030055	2 Rel-5 CRs 32.200/32.215 (PS/Bearer Charging) : "Addition of SGSN's Mobile Country Code (MCC) and Mobile Network Code (MNC) on G-CDR - alignment with CN4's 29.060"	SA WG5	7.5.3	Approval		Approved
SP-030056	Rel-5 CR 32.205 (CS Charging): "Corrections to ASN.1 Syntax associated with Wireless Number Portability (WNP)"	SA WG5	7.5.3	Approval		Approved
SP-030057	11 Rel-5 CRs 32.225 Charging data description for the IP Multimedia Subsystem (IMS)	SA WG5	7.5.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-030058	2 Rel-4/5 CRs 32.235 (Service Charging): "Corrections on MMS addressing - alignment with T2's 23.140 (MMS stage 2)"	SA WG5	7.5.3	Approval		Approved
SP-030059	2 Rel-4/5 CRs 32.235 (Service Charging): "Correction of Message Size Definition - alignment with T2's 23.140"	SA WG5	7.5.3	Approval		Approved
SP-030060	Rel-5 CR 32.235 (Service Charging): "Add support of VASP in MMS Charging - alignment with T2's 23.140"	SA WG5	7.5.3	Approval		Approved
SP-030061	2 Rel-4/5 CRs 32.102 (Telecommunication management; Architecture) "Add New Subclause to IS Template for Notification Related IOCs"	SA WG5	7.5.3	Approval		Approved
SP-030062	4 Rel-4/5 CRs 32111-2 & -3 (Fault Management; Alarm Integration Reference Point (IRP): Information Service, CORBA solution set) "Add Missing ITU-T M.3100 Probable Causes"	SA WG5	7.5.3	Approval		Approved
SP-030063	4 Rel-4/5 CRs 32111-2 & -4 (Fault Management; Alarm Integration Reference Point (IRP): Information Service, CMIP solution set) "Corrections regarding Alarm Acknowledgement and Alarm Comments - alignment with 32.111-1"	SA WG5	7.5.3	Approval		Approved
SP-030064	3 Rel-4/5 CRs 32111-3, 32.303 (Fault Management; Part 3: Alarm IRP; CORBA solution set & Configuration Management (CM); Notification IRP; CORBA solution set) "Correction of CORBA ALARM_IRP_VERSION in line with adopted Rel-5 policy"	SA WG5	7.5.3	Approval		Approved
SP-030065	LS (from SA WG2) on Clarification of Scenario 2 and Scenario 3 architectural characteristics and stable and non-stable parts of TS 23.234	SA WG2	7.2.2	Information		Noted
SP-030066	Liaison (from SA WG2) on eTFO	SA WG2	7.2.2	Information / Discussion		S2 and S5 to consider the progress of this work
SP-030067	LS from T WG1: Reply to LS on requirement to test non-transmission of newly defined IEs in RRC protocol for Early UE handling	T WG1	8.3.1	Information		Repeat of SP-030008
SP-030068	LS from T WG3: the UICC/USIM, part of the 3GPP system	T WG3	8.3.1	Information		Noted
SP-030069	SA WG3 response on the “Additional Release 5 work needed for Policy Control and Subscription Control of Media”	SA WG3	7.3.2	Decision		Noted S3 found no significant problems
SP-030070	LS (from SA WG3) to SA on back up algorithms for UTRAN	SA WG3	7.3.2	Action		See also SP-030074 for attachment with correct time plan. S3 Chair to request support from MRPs
SP-030071	LS (from SA WG3) on: "Requirement to allow IMS access by means of SIM"	SA WG3	7.3.2	Information		Noted. SIM access to IMS not agreed by TSG SA

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-030072	Reasoning for revised eTFO WID	Nortel Networks	7.2.2	Discussion		Discussed
SP-030073	Discussion on IPv6 utilisation within IMS	mmO2	4, 7.8	Discussion / Approval		S2, N3 to provide status of IW work and implications of IPv6 assumption
SP-030074	Provisional work plan for the design of the 3GPP confidentiality and integrity algorithms UEA2 and UIA2	SA WG3	7.3.2	Endorsement		See also SP-030070. Revision of time plan. Provided funding available, plan endorsed
SP-030075	Nomination of Niels Peter Skov Andersen as candidate for TSG SA Chairman elections	Motorola	3	Information		Elected as Chairman
SP-030076	Nomination for 3GPP Service and System Aspects TSG Vice Chairman	T-Mobile USA Inc.	3	Information		Elected as Vice-Chairman
SP-030077	CRs to lists of specs, frozen Releases	MCC (J Meredith)	8.7	Approval		Approved
SP-030078	Specs status list prior to TSGs#19	MCC (J Meredith)	8.7	Information		Noted. Lists to be provided in all Releases
SP-030079	Specs status list following TSG SA#19	MCC (J Meredith)	8.7	Information		To be provided after meeting
SP-030080	eTFO Conclusion	Lucent Technologies, Siemens, Alcatel	7.2.2	Discussion		Study of TFO issues to be undertaken
SP-030081	TSG S4 Status Report at TSG-SA#19	SA WG4 Chairman	7.4.1	Information		Noted
SP-030082	Updated Work Item Description on Enhanced Tandem Free Operation (Release 6)	SA WG4	7.4.3	Approval		Not agreed. Study WID in SP-030184
SP-030083	Updated Work Item Description on AMR-WB extension for high audio quality (Release 6)	SA WG4	7.4.3	Approval		Approved
SP-030084	WITHDRAWN: Not approved by e-mail	SA WG4				WITHDRAWN
SP-030085	CR to TS 26.073 - MMS compatible input/output option (Release 5)	SA WG4	7.4.3	Approval		Approved
SP-030086	CR to TS 26.093 - Handling of FACCH and RATSCCH during AMR DTX (Release 6)	SA WG4	7.4.3	Approval		Approved
SP-030087	CRs to TS 26.102 - AMR rate adaptation (R99, Release 4 and Release 5)	SA WG4	7.4.3	Approval		Approved
SP-030088	CRs to TS 26.104 - Correction to floating-point implementation for AMR (R99, Rel4 and Rel 5), and MMS compatible input/output option (Rel 5)	SA WG4	7.4.3	Approval		Approved
SP-030089	CRs to TS 26.173 Harmonization of 3GPP TS 26.173 and ITU-T G.722.2 C-codes, and Correction for handling of RX_NO_DATA frames (Release 5)	SA WG4	7.4.3	Approval		Approved
SP-030090	CRs to TS 26.204 - Corrections (Release 5)	SA WG4	7.4.3	Approval		Approved
SP-030091	CRs to TS 26.234 - Corrections (Release 5)	SA WG4	7.4.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-030092	CRs to TS 26.236 - Corrections (Release 5)	SA WG4	7.4.3	Approval		Approved
SP-030093	CRs to TR 26.911 - Clarification of bit-order handling for 3G-324M terminals (R99, Release 4 and Release 5)	SA WG4	7.4.3	Approval		Approved
SP-030094	Status Report from SA WG3 to TSG SA#19	SA WG3 Chairman	7.3.1	Information		Noted
SP-030095	Draft report of SA WG3 meetings since TSG SA#18	SA WG3 Secretary	7.3.1	Information		Noted
SP-030096	2 CRs to 33.108: Coding of ASN.1 parameters of the type OCTET STRING (Rel-5, Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-030097	CR to 33.108: CS Section for 33.108 (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-030098	CR to 33.108: Adjustments to the requirements on the delivery of the intercepted RT data over TCP (Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-030099	CR to 33.108: Incorrect ASN.1 object tree (Rel-5)	SA WG3	7.3.3	Approval		Approved
SP-030100	CR to 33.203: Clarification of the use of ISIM and USIM for IMS access	SA WG3	7.3.3	Approval		Approved
SP-030101	CR to 33.203: Malicious UE bypassing the P-CSCF (Rel-5)	SA WG3	7.3.3	Approval	SP-030185	Revised in SP-030185
SP-030102	CR to 33.203: Ensuring the deletion of unwanted SA's (Rel-5)	SA WG3	7.3.3	Approval		Approved
SP-030103	CR to 33.203: Add protected port into Via header (Rel-5)	SA WG3	7.3.3	Approval		Approved
SP-030104	2 CRs to 33.210: Za-interface and roaming agreements (Rel-5, Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-030105	3 CRs to 33.210: Clarification to the re-keying aspects of network domain security (Rel-5, Rel-6)	SA WG3	7.3.3	Approval		Approved
SP-030106	WID: Lawful Interception in the 3GPP Rel-6 architecture	SA WG3	7.3.3	Approval		Approved
SP-030107	Updated WID: Revised GERAN A/Gb mode security enhancements work item	SA WG3	7.3.3	Approval		Approved
SP-030108	WID: Network Domain Security; Authentication Framework (NDS/AF)	SA WG3	7.3.3	Approval		Approved
SP-030109	Updated WID: 3GPP Generic User Profile Security	SA WG3	7.3.3	Approval		Approved
SP-030110	WITHDRAWN	AT&T Wireless				WITHDRAWN
SP-030111	1 CR to 33.203: Correction of the Port 2 definition for SA establishment	SA WG3	7.3.3	Approval		Approved
SP-030112	Report of SA2 status to TSG SA #19	SA WG2	7.2.1	Information		Noted
SP-030113	CRs on 23.060 (GPRS/PS domain stage 2)	SA WG2	7.2.3	Approval		Approved
SP-030114	CRs on 23.271 (LCS Stage 2)	SA WG2	7.2.3	Approval		CR153r2, 154r2 <return>. All other CRs approved
SP-030115	CRs on 23.002 (Network Architecture)	SA WG2	7.2.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-030116	CR on 23.032 (LCS Geographic shapes)	SA WG2	7.2.3	Approval		Approved
SP-030117	CR on 23.107 (QoS)	SA WG2	7.2.3	Approval		Approved
SP-030118	CRs on 23.141 (Presence)	SA WG2	7.2.3	Approval		Approved
SP-030119	CR on 23.207 (End to end QoS)	SA WG2	7.2.3	Approval		Approved
SP-030120	CRs on 23. 221 (Architecture Requirements)	SA WG2	7.2.3	Approval	SP-030171	PDF error - replaced by SP-030171
SP-030121	CRs on 23.228 (IMS Stage 2)	SA WG2	7.2.3	Approval		CR248 was rejected - CR264&280r1 withdrawn (in SP-030181) - Other CRs approved
SP-030122	CRs on 23.895 (Early UE handling)	SA WG2	7.2.3	Approval		Approved
SP-030123	WID for Network sharing stage 2	SA WG2	7.2.3	Approval		Approved
SP-030124	WID: PS domain and IM CN subsystem support for IMS Emergency sessions	SA WG2	7.2.3	Approval		S2 asked to consider USIM impacts for revision at next meeting. Approved
SP-030125	Revised WID for Early UE	SA WG2	7.2.3	Approval		Approved H3G to be changed to "3" in supporting companies
SP-030126	Push WID update	SA WG2	7.2.3	Approval		Approved
SP-030127	Updated and revised LCS2 Work Item Description	SA WG2	7.2.3	Approval		Approved
SP-030128	Withdrawn by SA WG2					WITHDRAWN
SP-030129	Withdrawn by SA WG2					WITHDRAWN
SP-030130	Draft 23.195, Version 1.0.0: Early UE handling	SA WG2	7.2.3	Information		Noted
SP-030131	TS 23.240, Version 1.0.0	SA WG2	7.2.3	Information		Noted
SP-030132	Withdrawn by SA WG2					WITHDRAWN
SP-030133	Storage of IMEI information in the HLR	Vodafone Group, T-Mobile Deutschland	8.1.2	Action		SA WG1 to discuss this. Contributions invited. Noted
SP-030134	Responsibility of charging architecture issues	NEC	7.2.2	Discussion / Decision		S2 and S5 to consider the progress of this work
SP-030135	Support Statement for Mr. Nakamura for the 3GPP TSG SA Vice Chairman	NTT DoCoMo	3	Information		Elected as Vice Chairman
SP-030136	Review of the Work Plan at Plenaries #19	MCC (A. Sultan)	8.6	Presentation	SP-030191	Revised in SP-030191 after other TSG meetings
SP-030137	4 Rel-4/5 CRs 32303 (Configuration Management (CM); Notification Integration Reference Point (IRP); CORBA SS)	SA WG5	7.5.3	Approval		CR006 Withdrawn, CRs007, 008 and 009 Approved
SP-030138	4 Rel-5 CRs 32111-2,-3 & -4 (Fault Management; Alarm IRP: Information Service, CORBA & CMIP solution sets)	SA WG5	7.5.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-030139	2 Rel-5 CRs 32.603 (Basic Configuration Management IRP: CORBA SS)	SA WG5	7.5.3	Approval		Approved
SP-030140	2 Rel-5 CRs 32.613 (Bulk Configuration Management IRP; CORBA SS)	SA WG5	7.5.3	Approval		Approved
SP-030141	2 Rel-4/5 CRs 32.623 (Configuration Management (CM); Generic network resources IRP: CORBA SS)	SA WG5	7.5.3	Approval		Approved
SP-030142	2 Rel-4/5 CRs 32.632 (Configuration Management (CM); Core Network Resources IRP: Network Resource Model)	SA WG5	7.5.3	Approval		Approved
SP-030143	2 Rel-5 CRs 32.663 & 32.673 (CORBA solution sets of: Kernel Configuration Management & State Management IRP)	SA WG5	7.5.3	Approval		Approved
SP-030144	2 Rel-5 CRs 32.602 & 32.603 (Basic Configuration Management IRP information service & CORBA SS) " Add post-condition for notifications of each activeCM operation and one exception for createMO"	SA WG5	7.5.3	Approval		Approved
SP-030145	4 Rel-6 CRs 32.661/2/3/4 (Kernel Configuration Management: requirements/ information service/ CORBA & CMIP solution set) "Add requirement for the emission of notifyCMSynchronizationRecommended notification"	SA WG5	7.5.3	Approval		Approved
SP-030146	2 Rel-4/5 CRs 32.403 (Performance measurements - UMTS and combined UMTS/GSM) "Correction of the subscriber number measurement definitions"	SA WG5	7.5.3	Approval		Approved
SP-030147	Rel-6 CR 32.421 (Subscriber and equipment trace: Trace concepts and requirements) "Corrections to Trace requirements - alignment with SA2's 23.002"	SA WG5	7.5.3	Approval		Approved
SP-030148	CRs to 22.101 on SIM Support in Rel5/6	SA WG1	7.1.3	Approval		Approved. Note PDF file incomplete
SP-030149	2 CR to 33.108: Correction to implementation of CR 005 (Rel-5, Rel-6)	SA WG3 Secretary (MCC)	7.3.3	Approval		Approved.
SP-030150	OMA m-Commerce WG Questionnaire to 3GPP	OMA m-Commerce WG	6.3	Action		Reply LS in SP-030173
SP-030151	LS (from SA WG2) on early UE handling	SA WG2	7.2.2	Information		Noted
SP-030152	LS from ITU-T SSG: Received comments to Rec. Q.1741.2 approval relevant to 3GPP	ITU-T SSG	6.3	Information		Forwarded to SA WG1
SP-030153	Improving Cooperation Between 3GPP and OMA	Nortel Networks	7.8	Decision		WGs to report on common work areas with OMA to K. Holley for collation and input to next meeting
SP-030154	Specifications not yet under change control, but pertaining to frozen Releases	MCC (J Meredith)	8.7	Decision	SP-030193	Revised in SP-030193

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SP-030155	Liaison Statement (from ETSI STQ Chairman) to 3GPP SA on Quality of Service	ETSI STQ Chairman	6.2			Noted. S2 to copy response to S1 for coordinated response, if any
SP-030156	TSG CN Chairmans Report of TSG CN meeting #19	TSG CN Chairman	8.1.1	Information		Noted
SP-030157	Draft Report of TSG CN meeting #19	TSG CN Secretary	8.1.1	Information		Noted
SP-030158	IETF status report	S. Hayes	8.1.1	Information		Noted
SP-030159	3GPP/IETF Release 6 Workshop Major Conclusions*	S. Hayes	6.1	Information		Noted
SP-030160	LS (from TSG CN) on proposed deletion of security-related work items in TSG-CN	TSG CN	8.1.1			Noted. S3 to consider
SP-030161	WITHDRAWN - Approved version available	TSG CN	8.1.1		SP-030170	Revised (CN approved) LS in SP-030170
SP-030162	LS (from TSG CN) on error handling in Pre-R99 networks	TSG CN	8.1.1	Information		Noted
SP-030163	Use of eTFO in Nb support mode	Nortel Networks	7.2.2	Information		Noted
SP-030164	WITHDRAWN - WID for Higher Bitrate Audio Codec	Dolby Laboratories, Apple Computer, AT&T Wireless Services, RealNetworks	7.4.3	Approval	SP-030169	Replacement of Codec document - updated in SP-030169
SP-030165	WITHDRAWN - LS from SerG: Update on the work of GSMA Services Group (SerG)	SerG	6.2	Discussion	SP-030166	Revised version in SP-030166
SP-030166	LS from SerG: Update on the work of GSMA Services Group (SerG)	SerG	6.2	Discussion		Noted
SP-030167	LS from ETSI TC AT-Features: Work on MMS for PSTN/ISDN in AT-F	ETSI TC AT-Features	6.2	Action		Forwarded to T WG2 for comment
SP-030168	TSG GERAN Status Report to TSG SA#19	TSG GERAN Chairman	8.4.1	Information		Noted
SP-030169	WID for Higher Bitrate Audio Codec	Dolby Laboratories, Apple Computer, AT&T Wireless Services, RealNetworks	7.4.3	Approval		Not approved. It was agreed that WIDs are not needed for each candidate Codec but to be submitted to SA WG4 for evaluation. Intention to submit Candidate recognised listed on slide 15 of report SP-030081
SP-030170	LS (from TSG CN) on Co-ordination of SDO input to ITU-T Q.1741.3	TSG CN	8.1.1	Information		Noted SDOs to consider list as basis for ITU-T response
SP-030171	CR on 23. 221 (Architecture Requirements)	SA WG2	7.2.3	Approval		Approved
SP-030172	Combined CR for CR#264 and CR#280rev1	Ericsson, Lucent, Nokia, Nortel, Qualcomm, Siemens	7.2.3	Approval	SP-030181	Revised Cover sheet in SP-030181
SP-030173	Reply to OMA m-Commerce WG: Re: Questionnaire to 3GPP	TSG SA	6.3	Approval		Approved

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SP-030174	CR to 22.101 on SIM access to IMS (Rel-5)	SA WG1	7.1.3	Approval		Approved
SP-030175	Draft Minutes of Future Evolution meeting #3	MCC (A Sultan)	5	Information		Noted
SP-030176	CR to TS 22.115 on Clarification of the charging entity WLAN & when Roaming (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030177	CR to 22.242 on DRM collaboration with OMA (Rel-6)	SA WG1	7.1.3	Approval		Approved
SP-030178	Handling of Early Mobiles	"3"	7.2.2	Discussion / Approval		
SP-030179	CR to 23.060 (SA WG2)	SA WG2	7.2.3	Approval		Approved
SP-030180	Report from TSG T to TSG SA#19	TSG T Chairman	8.3.1	Information		Noted
SP-030181	Combined CR for CR#264 and CR#280rev1	Ericsson, Lucent, Nokia, Nortel, Qualcomm, Siemens	7.2.3	Approval		Approved
SP-030182	TSG RAN Chairmans Report to TSG SA #19	TSG RAN Chairman	8.2.1	Information		Noted
SP-030183	Draft Report of TSG RAN meeting #19	TSG RAN Secretary	8.2.1	Information		Noted
SP-030184	WITHDRAWN - NO WI Produced: Draft WID for study of TFO issues	WID drafting group	7.2.2	Approval		WITHDRAWN - not produced
SP-030185	CR to 33.203: Malicious UE bypassing the P-CSCF (Rel-5)	SA WG3	7.3.3	Approval		Approved
SP-030186	Report of Support Team activities	MCC (A Scrase)	10	Information		Noted
SP-030187	Results of the Chairmans' Satisfaction Survey 2002	MCC (A Scrase)	10	Information		Discussed and noted
SP-030188	3GPP Calendar of Meetings	MCC	12	Information		Noted
SP-030189	Draft report of TSG T meeting #19	TSG T Secretary	8.3.1	Information		Noted
SP-030190	Status report for evolution workshop	FEW Chairman	5	Information		Discussed and noted
SP-030191	Review of the Work Plan at Plenaries #19	MCC (A. Sultan)	8.6	Presentation		Discussed and revised in SP-030194
SP-030192	Work Plan version 14 March 2003	MCC (A. Sultan)	8.6	Information		Noted
SP-030193	Specifications not yet under change control, but pertaining to frozen Releases	MCC (J Meredith)	8.7	Decision		WGs asked to feedback on incomplete documents in the lists
SP-030194	CR to 22.174 on Push Service Independence	Research in Motion	7.1.3	Approval		SA WG1 asked to review the CR
SP-030195	Review of the Work Plan at Plenaries #19 - After discussion	MCC (A. Sultan)	8.6	Information		Noted

Annex C: List of attendees and TSG SA Voting List

C.1 List of Attendees

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Name	Represented Company	e-mail address	Mobile Telephone	Telephone	Facsimile	3GPP Status		Cty
Mr. Mike Ward	Dolby Laboratories Inc.	mcw@dolby.co.uk		+44 1793 842190	+44 1793 842101	3GPPMEMBER	ETSI	GB
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150 Participants

C.2 List of eligible Voting members for TSG SA#20

The attached list is dependent upon the information in C.1 and Individual Member companies who are recorded as attending TSG SA Meetings #18 or #17 (representation of an Individual Member at any of TSG SA Meetings #17, #18 or #19).

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

List Created on: 07 April 2003

This report shows the 3GPP Member Companies on the Voting List after **TSG SA Meeting #19**
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.org

Organisation Name	Organisation Status	Country
3	3GPPMEMBER - ETSI	GB
ALCATEL S.A.	3GPPMEMBER - ETSI	FR
AT&T Wireless Services, Inc.	3GPPMEMBER - T1	US
BT Group Plc	3GPPMEMBER - ETSI	GB
BUNDESMINISTERIUM FUR WIRTSCHAFT	3GPPMEMBER - ETSI	DE
CETECOM GmbH - Certification and Testing in Communications	3GPPMEMBER - ETSI	DE
China Mobile Communications Corporation (CMCC)	3GPPMEMBER - CWTS	CN
Cingular Wireless LLC	3GPPMEMBER - T1	US
Cisco Systems France	3GPPMEMBER - ETSI	FR
Coding Technologies GmbH	3GPPMEMBER - ETSI	DE
CommWorks Corporation, a 3Com Company	3GPPMEMBER - ETSI	US
COMNEON GmbH & Co	3GPPMEMBER - ETSI	DE
Conexant Systems, Inc.	3GPPMEMBER - T1	US
Dansk MobilTelefon I/S	3GPPMEMBER - ETSI	DK
DoCoMo Europe S.A.	3GPPMEMBER - ETSI	FR
Dolby Laboratories Inc.	3GPPMEMBER - ETSI	GB
DTI - Department of Trade and Industry	3GPPMEMBER - ETSI	GB
Electronics & Telecommunications Research Institute	3GPPMEMBER - ETSI	KR
Elisa Communications Corporation	3GPPMEMBER - ETSI	FI
Ericsson Incorporated	3GPPMEMBER - T1	US
Ericsson Korea	3GPPMEMBER - TTA	KR
FINNISH COMMUNICATIONS REGULATORY AUTHORITY	3GPPMEMBER - ETSI	FI
FUJITSU Laboratories of Europe Limited	3GPPMEMBER - ETSI	GB
Fujitsu Limited	3GPPMEMBER - ARIB	JP
Fujitsu Limited	3GPPMEMBER - TTC	JP
GEMPLUS Card International	3GPPMEMBER - ETSI	FR
GIESECKE & DEVRIENT GmbH	3GPPMEMBER - ETSI	DE
GROUPE CEGETEL	3GPPMEMBER - ETSI	FR
HEWLETT-PACKARD France	3GPPMEMBER - ETSI	FR
HuaWei Technologies Co., Ltd	3GPPMEMBER - CWTS	CN
Institute for Communications Research	3GPPMEMBER - ETSI	SG
INTEL CORPORATION SARL	3GPPMEMBER - ETSI	FR
INTERDIGITAL COMMUNICATIONS CORPORATION	3GPPMEMBER - ETSI	US
J-Phone Co., Ltd.	3GPPMEMBER - ARIB	JP
Koninklijke KPN N.V.	3GPPMEMBER - ETSI	NL
LG Electronics Inc.	3GPPMEMBER - TTA	KR
Lucent Technologies	3GPPMEMBER - T1	US
Lucent Technologies Nederland B.V.	3GPPMEMBER - ETSI	NL
Lucent Technologies Network Systems UK	3GPPMEMBER - ETSI	GB
Lucent Technologies Networks System GmbH	3GPPMEMBER - ETSI	DE
MARCONI COMMUNICATIONS	3GPPMEMBER - ETSI	GB
Matsushita Mobile Communication Development of Europe Limited (MMCDE)	3GPPMEMBER - ETSI	GB
Megisto Systems Inc.	3GPPMEMBER - ETSI	US
MICROSOFT EUROPE SARL	3GPPMEMBER - ETSI	FR
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

Organisation Name	Organisation Status	Country
MOTOROLA JAPAN LTD	3GPPMEMBER - ARIB	JP
MOTOROLA Ltd	3GPPMEMBER - ETSI	GB
MOTOROLA S.A.S	3GPPMEMBER - ETSI	FR
National Communications System	3GPPMEMBER - ETSI	US
NEC Corporation	3GPPMEMBER - ARIB	JP
NEC Corporation	3GPPMEMBER - TTC	JP
NEC Electronics (Europe) GmbH	3GPPMEMBER - ETSI	DE
NEC EUROPE LTD	3GPPMEMBER - ETSI	GB
NEC Technologies (UK) Ltd	3GPPMEMBER - ETSI	GB
Nippon Ericsson K.K.	3GPPMEMBER - ARIB	JP
NOKIA Corporation	3GPPMEMBER - ETSI	FI
Nokia Japan Co, Ltd	3GPPMEMBER - ARIB	JP
NOKIA KOREA	3GPPMEMBER - TTA	KR
Nokia Telecommunications Inc.	3GPPMEMBER - T1	US
NORTEL NETWORKS (EUROPE)	3GPPMEMBER - ETSI	GB
Nortel Networks (USA)	3GPPMEMBER - T1	US
Norwegian Post and Telecommunications Authority	3GPPMEMBER - ETSI	NO
NTT DoCoMo Inc	3GPPMEMBER - TTC	JP
NTT DoCoMo Inc.	3GPPMEMBER - ETSI	JP
NTT DoCoMo Inc.	3GPPMEMBER - ARIB	JP
ÖFEG - Österreichische Fernmeldetechn. Entwicklungs- Förderungs Gesellschaft	3GPPMEMBER - ETSI	AT
Openwave Systems (N.I.) Ltd	3GPPMEMBER - ETSI	GB
ORANGE FRANCE	3GPPMEMBER - ETSI	FR
ORANGE PCS LTD	3GPPMEMBER - ETSI	GB
Panasonic Mobile Communications Co.,Ltd.	3GPPMEMBER - ARIB	JP
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
Research Institute for Transmission and Telecommunication	3GPPMEMBER - ETSI	CN
RITT	3GPPMEMBER - CWTS	CN
Rogers Wireless Inc.	3GPPMEMBER - T1	CA
Samsung Electronics Ind. Co., Ltd.	3GPPMEMBER - TTA	KR
SAMSUNG Electronics Research Institute	3GPPMEMBER - ETSI	GB
SBC Communications Inc.	3GPPMEMBER - T1	US
SchlumbergerSema - Schlumberger Systèmes S.A	3GPPMEMBER - ETSI	FR
SHARP Corporation	3GPPMEMBER - ARIB	JP
SIEMENS AG	3GPPMEMBER - ETSI	DE
SIEMENS ATEA NV	3GPPMEMBER - ETSI	BE
SIEMENS Mobile Communications S.p.A.	3GPPMEMBER - ETSI	IT
SK TELECOM	3GPPMEMBER - TTA	KR
Skyworks Solutions Inc.	3GPPMEMBER - T1	US
SWISSCOM SA	3GPPMEMBER - ETSI	CH
T-Mobile (UK) Ltd	3GPPMEMBER - ETSI	GB
T-Mobile AUSTRIA GmbH	3GPPMEMBER - ETSI	AT
T-MOBILE DEUTSCHLAND	3GPPMEMBER - ETSI	DE
T-Mobile USA Inc.	3GPPMEMBER - T1	US
TDC Switzerland AG	3GPPMEMBER - ETSI	CH
TEKTRONIX GmbH & Co KG	3GPPMEMBER - ETSI	DE
Telcordia Technologies Inc.	3GPPMEMBER - T1	US
TELECOM ITALIA S.p.A.	3GPPMEMBER - ETSI	IT
Telefon AB LM Ericsson	3GPPMEMBER - ETSI	SE
TELEFONICA DE ESPAÑA SA	3GPPMEMBER - ETSI	ES
Telekom Austria Aktiengesellschaft	3GPPMEMBER - ETSI	AT
TeliaSonera AB	3GPPMEMBER - ETSI	SE
TruePosition Inc.	3GPPMEMBER - ETSI	US
Unisys Deutschland GmbH	3GPPMEMBER - ETSI	DE
VIPnet d.o.o	3GPPMEMBER - ETSI	HR
Vodafone D2 GmbH	3GPPMEMBER - ETSI	DE
VODAFONE Group Plc	3GPPMEMBER - ETSI	GB
VODAFONE LTD	3GPPMEMBER - ETSI	GB

Total: 109 Individual Member Companies

Annex D: Status list of Specifications and Reports after TSG SA Meeting #19

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#18	Rel	TSG/ WG	Editor	Comment
TS	01.01	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	8.9.0	R99	SP	MEREDITH, John M	post-SP-19: title changed from "GSM Release 1999 Specifications" to cater for backwards extension to earlier releases.
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	01.61	General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements	8.0.0	R99	S3	WALKER, Michael	
TS	02.09	Security aspects	8.0.1	R99	S3	CHRISTOFFERSSON, Per	
TS	02.17	Subscriber Identity Module (SIM); Functional characteristics	8.0.0	R99	T3	HOOKER, Philip	
TS	02.19	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1	8.0.0	R99	T3	DIETRICH, Christian	SMG9->T3@#31
TS	02.33	Lawful Interception (LI); Stage 1	8.0.1	R99	S3	MCKIBBEN, Bernie	
TS	02.43	Support of Localised Service Area (SoLSA); Service description; Stage 1	8.0.0	R99	S1	KOKKOLA, Tommi	
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	02.68	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	02.94	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	
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	8.5.0	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	8.7.0	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	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	03.33	Lawful Interception; Stage 2	8.1.0	R99	S3	MCKIBBEN, Bernie	
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	
TS	03.48	Security mechanisms for SIM application toolkit; Stage 2	8.8.0	R99	T3	BARNES, Nigel	SMG9->T3@#31
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 MARTINEZ, Jose Luis	
TR	03.58	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	8.0.0	R99	S4	MONFORT, Jean-Yves	
TS	03.64	General Packet Radio Service (GPRS); Overall description of the GPRS radio interface; Stage 2	8.10.0	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	8.7.0	R99	S2	BROOK, Richard	
TS	03.73	Support of Localised Service Area (SoLSA); Stage 2	8.0.0	R99	N4	KYMALAINEN, Kimmo	2001-10-11: S2->N4 to align with ownership of 23.073.
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	8.0.2	R99	G2	ANDERSEN, Niels Peter Skov	
TS	04.04	Layer 1 - General Requirements	8.1.2	R99	G2	ISAACS, Ken	
TS	04.05	Data Link (DL) Layer General Aspects	8.0.2	R99	G2	ANDERSEN, Niels Peter Skov	
TS	04.06	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	8.2.1	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	8.4.0	R99	G2	HOWELL, Andrew	
TS	04.18	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	8.18.0	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	04.31	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	8.10.0	R99	G2	GARAPATY, Sonia	
TS	04.35	Location Services (LCS); Broadcast network assistance for Enhanced Observed Time Difference (E-OTD) and Global Positioning System (GPS) positioning methods	8.4.1	R99	G2	GARAPATY, Sonia	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
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	8.17.0	R99	G2	BLACK, Jyoti	
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	DOIG, Ian	
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	DOIG, Ian	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	8.4.0	R99	G2	ANDERSEN, Niels Peter Skov	Was SMG2 till TSG#6; MCC expt changed from Al Bakri Jan 2000.
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	8.14.0	R99	G1	SAMUELSSON, Mats	
TS	05.08	Radio Subsystem Link Control	8.15.0	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	8.11.0	R99	G1	JOKINEN, Harri	
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	GSM Cordless Telephony System (CTS), Phase 1; CTS-Fixed Part (FP) radio subsystem	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	
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	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
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 (EFR) 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	8.0.1	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	08.01	General Aspects on the BSS-MSC Interface	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.02	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.04	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	8.0.1	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	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.08	Mobile-services Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	8.13.0	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	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	08.16	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	8.0.1	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	8.10.0	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	8.1.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.51	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.52	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.54	BSC-BTS Layer 1; Structure of Physical Circuits	8.0.1	R99	G2	ANDERSEN, Niels Peter Skov	
TS	08.56	BSC-BTS Layer 2; Specification	8.0.1	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	In-band control of remote transcoders and rate adaptors for Enhanced Full Rate (EFR) and full rate traffic channels	8.2.1	R99	G1	ANDERSEN, Niels Peter Skov	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
TS	08.61	In-band control of remote transcoders and rate adaptors for half rate traffic channels	8.1.0	R99	G1	ANDERSEN, Niels Peter Skov	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
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	8.5.0	R99	G2	ANDERSEN, Niels Peter Skov	
TR	09.01	General Network Interworking Scenarios	8.0.0	R99	N4	KYMALAINEN, Kimmo	
TS	09.08	Application of the Base Station System Application Part (BSSAP) on the E-Interface	8.2.0	R99	N1	FARHOUMAND, Rouzbeh	
TS	09.31	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	8.6.0	R99	G2	ANDERSEN, Niels Peter Skov	
TS	10.56	Project scheduling and open issues: GSM Cordless Telephony System CTS, Phase 1	8.0.0	R99	S2	GALLIGO, Michel	
TR	10.59	Project scheduling and open issues for EDGE	8.0.0	R99	G1	MUELLER, Frank	
TS	11.10-1	Mobile station (MS) conformance specification; Part 1: 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	11.10-4	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	8.2.0	R99	G5	SALMERON, Lidia	2001-11-19: G4->G5. TP-14: may be txferred to T3. TP-17: T3 proposes to take over this spec from G5, and to approve a new R99 version not derived from R96 by CR; also to withdraw the R96 version, since the R99 version will cover all previous Releases.
TS	11.11	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	8.9.0	R99	T3	GUTHERY, Scott B.	
TS	11.13	Test specification for Subscriber Interface Module (SIM) Application Programme Interface (API) for Java card	8.2.0	R99	T3	LLOBREGAT, Fernando	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	11.14	Specification of the SIM Application Toolkit (SAT) for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	8.13.0	R99	T3	WOODSEND, Kristian	
TS	11.17	Subscriber Interface Module (SIM) test specification	8.1.0	R99	T3	BREMNER, David	
TS	11.21	Base Station System (BSS) equipment specification; Radio aspects	8.8.0	R99	G3	VACANT,	
TS	11.26	Base Station System (BSS) equipment specification; Part 4: Repeaters	8.0.2	R99	G3	VACANT,	
TS	12.03	Security Management	8.0.0	R99	S5	TRUSS, Michael	
TS	12.04	Performance data measurements	8.1.0	R99	S5	TOCHE, Christian	
TS	12.21	Network Management (NM) procedures and messages on the A-bis interface	8.0.0	R99	G3	TRUSS, Michael	SP-13: S5->G3 but no change of rapporteur.
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#18	Rel	TSG/ WG	Editor	Comment
TS	21.101	3rd Generation mobile system Release 1999 Specifications	3.11.0	R99	SP	MEREDITH, John M	
TS	21.111	USIM and IC card requirements	3.4.0	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	3.5.0	R99	T2	SOOD, Prem	
TR	21.905	Vocabulary for 3GPP Specifications	3.3.0	R99	S1	ZARRI, Michele	
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	3.3.0	R99	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.011	Service accessibility	3.8.0	R99	S1	GALLAIRE, Jean Paul	Transfer>TSG#4
TS	22.016	International Mobile Equipment Identities (IMEI)	3.3.0	R99	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	3.2.1	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

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	22.031	Fraud Information Gathering System (FIGS); Service description; Stage 1	3.0.0	R99	S3	WRIGHT, Tim	SP-18: decided FIGS is joint GERAN/UTRAN so 02.31 R99 and 42.031 Rel-4 & Rel-5 -> 22.031.
TS	22.032	Immediate Service Termination (IST); Service description; Stage 1	3.0.0	R99	S3	WRIGHT, Tim	SP-16: created to take over from 02.32 (R99) and 42.032 (Rel-4 onwards).
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) service description; Stage 1	3.0.1	R99	S1	DAHLKVIST, Mikael	Transfer>TSG#4
TS	22.057	Mobile Execution Environment (MExE) service description; 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
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	3.4.0	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	3.9.0	R99	S1	GRECH, Michel	
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 and service capabilities	3.10.0	R99	S1	EVEN, Anne	
TS	22.115	Service Aspects Charging and billing	3.3.0	R99	S1	MONTEGROSSO, Emanuele	
TR	22.121	Service aspects; The Virtual Home Environment; Stage 1	3.3.1	R99	S1	OGUNBEKUN, Jumoke	Former title: "Provision of Services in UMTS - The Virtual Home Environment; Stage 1". SP-16: converted from TS to TR.

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
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	Multimedia Messaging Service (MMS); Stage 1	3.1.0	R99	S1	LAUMEN, Josef	(development in T2)
TR	22.945	Study of provision of fax service in GSM and UMTS	3.0.0	R99	T2	COLBAN, Erik	
TR	22.971	Automatic establishment of roaming relationships	3.1.1	R99	S1	MONTEGROSSO, Emanuele	
TR	22.975	Advanced addressing	3.1.0	R99	S1	KLEIER, Stephan	
TS	23.002	Network architecture	3.6.0	R99	S2	SULTAN, Alain	Transfer>TSG#4,CR at TSG#5
TS	23.003	Numbering, Addressing and Identification	3.11.0	R99	N4	RUSSELL, Nick	
TS	23.007	Restoration procedures	3.5.0	R99	N4	RUSSELL, Nick	
TS	23.008	Organisation of subscriber data	3.7.0	R99	N4	BAUER, Rolf	
TS	23.009	Handover procedures	3.13.0	R99	N1	FARHOUMAND, Rouzbeh	
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	KYMALAINEN, Kimmo	
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	3.2.0	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	3.9.0	R99	N4	WIEHE, Ulrich	
TS	23.018	Basic Call Handling; Technical realization	3.12.0	R99	N4	PARK, Ian David Chalmers	
TS	23.031	Fraud Information Gathering System (FIGS); Service description; Stage 2	3.0.0	R99	S3	WRIGHT, Tim	SP-18: decided FIGS is joint GERAN/UTRAN so 03.31 R99 and 43.031 Rel-4 & Rel-5 -> 23.031.
TS	23.032	Universal Geographical Area Description (GAD)	3.2.1	R99	S2	HIETALAHTI, Hannu	S2 responsibility?
TS	23.034	High Speed Circuit Switched Data (HSCSD); Stage 2	3.3.0	R99	N1	CARRION RODRIGO, Inmaculada	
TS	23.035	Immediate Service Termination (IST); Stage 2	3.1.0	R99	S3	WRIGHT, Tim	SP-16: created to take over from 03.35 (R99) and 43.035 (Rel-4 onwards).
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)	3.9.0	R99	T2	HARRIS, Ian	
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	3.5.0	R99	T2	HARRIS, Ian	Transfer>TSG#4
TS	23.042	Compression algorithm for SMS	3.1.0	R99	T2	HARRIS, Ian	
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	3.4.0	R99	T2	BRENK, Lars	Apr-2001: " Station Application" removed from title.
TS	23.060	General Packet Radio Service (GPRS) Service description; Stage 2	3.14.0	R99	S2	ZHAO, Yilin	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 Pre-emption Service (eMLPP); Stage 2	3.3.0	R99	N4	SCHMITT, Peter	
TS	23.072	Call Deflection Supplementary Service; Stage 2	3.3.0	R99	N4	CONRAD, Alan	
TS	23.078	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	3.16.0	R99	N2	HOMANN, Christian	CR at TSG#4,CR at TSG#5
TS	23.079	Support of Optimal Routeing (SOR); Technical realization; Stage 2	3.8.0	R99	N4	PARK, Ian David Chalmers	CR at TSG#4,CR at TSG#5
TS	23.081	Line Identification supplementary services; Stage 2	3.2.0	R99	N4	KYMALAINEN, Kimmo	
TS	23.082	Call Forwarding (CF) Supplementary Services; Stage 2	3.7.0	R99	N4	KYMALAINEN, Kimmo	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
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	WIEHE, Ulrich	
TS	23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	3.1.0	R99	N4	WIEHE, Ulrich	
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	3.1.0	R99	N4	WIEHE, Ulrich	
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	3.2.0	R99	N4	WIEHE, Ulrich	
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	WIEHE, Ulrich	
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	3.2.0	R99	N4	WIEHE, Ulrich	
TS	23.094	Follow Me Stage 2	3.2.0	R99	N4	WIEHE, Ulrich	Transfer>TSG#4. GSM only @TSG#5
TS	23.096	Name Identification Supplementary Service; Stage 2	3.0.1	R99	N4	WIEHE, Ulrich	
TS	23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	3.1.1	R99	N4	RUSSELL, Nick	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	3.9.0	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	DOIG, Ian	This is clause 7 from 04.08 ex R98.
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	Architectural requirements for Release 1999	3.6.0	R99	S2	DANIEL, Elizabeth	
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	3.9.0	R99	N1	HIETALAHTI, Hannu	
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA); 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	3.1.0	R99	T2	LAUMEN, Josef	
TS	23.171	Location Services (LCS); Functional description; Stage 2 (UMTS)	3.9.0	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	KYMALAINEN, Kimmo	
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	3.6.0	R99	N3	HUSLENDE, Ragnar	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	
TR	23.923	Combined GSM and Mobile IP mobility handling in UMTS IP CN	3.0.0	R99	S2	HUBBARD, Elisabeth	
TR	23.930	Iu Principles	3.0.0	R99	S2	AXERUD, Bo	
TR	23.972	Circuit switched multimedia telephony	3.0.0	R99	N1	FARHOUMAND, Rouzbeh	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	3.9.0	R99	N1	HOWELL, Andrew	Transfer>TSG#4,CR at TSG#5

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	3.15.0	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	24.022	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	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	3.2.0	R99	N4	SCHMITT, Peter	
TS	24.072	Call Deflection Supplementary Service; Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	3.7.0	R99	N4	WIEHE, Ulrich	
TS	24.081	Line Identification Supplementary Service; Stage 3	3.1.0	R99	N4	WIEHE, Ulrich	
TS	24.082	Call Forwarding supplementary service; Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	
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	WIEHE, Ulrich	
TS	24.086	Advice of Charge (AoC) Supplementary Service; Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	
TS	24.087	User-to-User Signalling (UUS); Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	
TS	24.088	Call Barring (CB) Supplementary Service; Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	
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	WIEHE, Ulrich	
TS	24.093	Call Completion to Busy Subscriber (CCBS); Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	
TS	24.096	Name Identification Supplementary Service; Stage 3	3.0.0	R99	N4	WIEHE, Ulrich	
TS	24.135	Multicall supplementary service; Stage 3	3.2.0	R99	N4	MITAMURA, Kazuo	
TS	25.101	UE Radio transmission and reception (FDD)	3.13.0	R99	R4	FERNANDES, Edgar	
TS	25.102	UTRA (UE) TDD; Radio transmission and reception	3.12.0	R99	R4	KOTTKAMP, Meik	
TS	25.104	UTRA (BS) FDD; Radio transmission and reception	3.12.0	R99	R4	SKÖLD, Johan	
TS	25.105	UTRA (BS) TDD: Radio transmission and reception	3.13.0	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)	3.12.0	R99	R4	GUERRINI, Claudio	
TS	25.133	Requirements for support of radio resource management (FDD)	3.13.0	R99	R4	GUERRINI, Claudio	
TS	25.141	Base station conformance testing (FDD)	3.13.0	R99	R4	NAKAMURA, Takaharu	
TS	25.142	Base station conformance testing (TDD)	3.13.0	R99	R4	MEYER, Juergen	
TS	25.201	Physical layer - general description	3.4.0	R99	R1	TOSKALA, Antti	
TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	3.12.0	R99	R1	WILDE, Andreas	
TS	25.212	Multiplexing and channel coding (FDD)	3.11.0	R99	R1	TANAKA, Yoshinori	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	25.213	Spreading and modulation (FDD)	3.8.0	R99	R1	CHAMBERS, Peter	
TS	25.214	Physical layer procedures (FDD)	3.12.0	R99	R1	IKEDA, Shinobu	
TS	25.215	Physical layer; Measurements (FDD)	3.11.0	R99	R1	IKEDA, Shinobu	
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	3.11.0	R99	R1	HIRAMATSU, Katsuhiko	
TS	25.222	Multiplexing and channel coding (TDD)	3.10.0	R99	R1	KAHTAVA, Jussi	
TS	25.223	Spreading and modulation (TDD)	3.8.0	R99	R1	VACANT,	
TS	25.224	Physical layer procedures (TDD)	3.12.0	R99	R1	OESTREICH, Stefan	
TS	25.225	Physical layer; Measurements (TDD)	3.11.0	R99	R1	IKEDA, Shinobu	
TS	25.301	Radio Interface Protocol Architecture	3.11.0	R99	R2	GRANZOW, Wolfgang	
TS	25.302	Services provided by the physical layer	3.15.0	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	3.12.0	R99	R2	RINNE, Mikko J	
TS	25.304	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	3.12.0	R99	R2	MAHKONEN, Marko	
TS	25.305	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	3.8.0	R99	R2	MIHAILESCU, Claudiu	Created from 25.923
TS	25.306	UE Radio Access capabilities definition	3.7.0	R99	R2	BERGGREN, Anders	Converted from TR 25.926 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	3.15.0	R99	R2	NEMETHOVA, Olivia	
TS	25.322	Radio Link Control (RLC) protocol specification	3.14.0	R99	R2	MADELAINE, Sebastien	
TS	25.323	Packet Data Convergence Protocol (PDCP) specification	3.10.0	R99	R2	HANS, Martin	
TS	25.324	Broadcast/Multicast Control (BMC)	3.7.0	R99	R2	HARTL, Mike	
TS	25.331	Radio Resource Control (RRC) protocol specification	3.14.0	R99	R2	KUCHIBHOTLA, Ravi	
TS	25.401	UTRAN overall description	3.10.0	R99	R3	CALMEL, Jean-Marie	Approval at TSG#5
TS	25.402	Synchronisation in UTRAN Stage 2	3.10.0	R99	R3	PIOLINI, Flavio	New
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	3.8.0	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 Radio Access Network Application Part (RANAP) signalling	3.12.0	R99	R3	JUSSILA, Jyrki	
TS	25.414	UTRAN Iu interface data transport & transport signalling	3.13.0	R99	R3	COMSTOCK, David	
TS	25.415	UTRAN Iu interface user plane protocols	3.12.0	R99	R3	MAUPIN, Alain	
TS	25.419	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	3.10.0	R99	R3	TAYLOR, Carolyn	
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	3.5.0	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	3.6.1	R99	R3	THAKARE, Kiran	
TS	25.423	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	3.13.0	R99	R3	RUNE, Göran	
TS	25.424	UTRAN Iur interface data transport & transport signalling for CCH data streams	3.9.0	R99	R3	DREVON, Nicolas	
TS	25.425	UTRAN Iur interface user plane protocols for CCH data streams	3.7.0	R99	R3	DREVON, Nicolas	
TS	25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	3.9.0	R99	R3	KEKKI, Sami	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	25.427	UTRAN Iur and Iub interface user plane protocols for DCH data streams	3.10.0	R99	R3	LONGONI, Fabio	
TS	25.430	UTRAN Iub Interface: General Aspects and Principles	3.8.0	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	3.13.0	R99	R3	ISHIKAWA, Nobutaka	
TS	25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	3.8.0	R99	R3	ALDEN, Magnus	
TS	25.435	UTRAN Iub interface user plane protocols for CCH data streams	3.10.0	R99	R3	CALMEL, Jean-Marie	
TS	25.442	UTRAN implementation-specific O&M transport	3.1.0	R99	R3	RECKER, Stephan	
TR	25.832	Manifestations of Handover and SRNS relocation	3.0.0	R99	R3	TOWNEND, Richard	
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	3.8.0	R99	R2	KALLA, Gairn	
TR	25.922	Radio Resource Management Strategies	3.7.0	R99	R2	BULDORINI, Andrea	
TR	25.925	Radio Interface for Broadcast/Multicast Services	3.4.0	R99	R2	KRISCHAN, Peter	
TR	25.931	UTRAN Functions, examples on signalling procedures	3.7.0	R99	R3	CASALINO, Francesco	
TR	25.941	Document structure	3.1.0	R99	R4	TAKAMI, Tadao	
TR	25.942	RF system scenarios	3.3.0	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	25.993	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	3.0.0	R99	R2	FAUCONNIER, Denis	
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	26.090	AMR speech Codec; Transcoding Functions	3.1.0	R99	S4	EKUDDEN, Erik	Transfer>TSG#4
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	Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec frame structure	3.3.0	R99	S4	HAGQVIST, Jari	
TS	26.102	Adaptive Multi-Rate (AMR) speech codec; Interface to Iu and Uu	3.4.0	R99	S4	NAVARRO, William	
TS	26.103	Speech codec list for GSM and UMTS	3.2.0	R99	S4	HELLWIG, Karl	New after TSG#5
TS	26.104	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	3.5.0	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	26.131	Terminal acoustic characteristics for telephony; Requirements	3.4.0	R99	S4	GOETZ, Ian	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	26.132	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	3.5.0	R99	S4	GOETZ, Ian	
TR	26.911	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	3.4.0	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	26.915	Echo Control For Speech and Multi-Media Services	3.0.0	R99	S4	GOETZ, Ian	Became 26.115 for Rel-4 onwards.
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.
TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	3.11.0	R99	N3	HUSLENDE, Ragnar	
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	3.5.0	R99	N3	HUSLENDE, Ragnar	
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	3.5.0	R99	N3	HUSLENDE, Ragnar	
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)	3.2.0	R99	T2	HARRIS, Ian	
TS	27.007	AT command set for 3G User Equipment (UE)	3.13.0	R99	T2	CHRISTENSEN, Soren	
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	3.4.0	R99	T2	BROOK, Richard	
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	3.7.0	R99	N3	WILD, Johanna	GPRS
TS	27.103	Wide Area Network Synchronization	3.1.0	R99	T2	CHAU, Alan	
TR	27.901	Report on Terminal Interfaces - An Overview	3.1.0	R99	T2	REX, Thomas	
TR	27.903	Discussion of synchronization standards	3.0.0	R99	T2	LOCKHART, Rob	
TS	29.002	Mobile Application Part (MAP) specification	3.16.0	R99	N4	WIEHE, Ulrich	
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)	3.11.0	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)	3.10.0	R99	N4	KYMALAINEN, Kimmo	Transfer>TSG#4 (transfer??)
TS	29.011	Signalling Interworking for Supplementary Services	3.0.0	R99	N4	WIEHE, Ulrich	
TS	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	3.0.0	R99	N4	WIEHE, Ulrich	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	3.10.0	R99	N1	MILLS, Duncan	
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	3.16.0	R99	N4	KYMALAINEN, Kimmo	

Type	Number	Title	Ver at TSG#18	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)	3.12.0	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); CAMEL Application Part (CAP) specification	3.15.0	R99	N2	NOLDUS, Rogier	Transfer>TSG#4
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	3.3.0	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	ABARCA, Chelo	OSA subgroup. Was incorrectly shown as a TR; fixed @N#9.
TR	29.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults	3.0.1	R99	N1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest Release version.
TR	29.998	Open Services Architecture API part 2	3.2.0	R99	N5	ABARCA, Chelo	OSA subgroup
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	3.12.0	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	Universal Subscriber Identity Module Application Toolkit (USAT)	3.10.0	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; Universal Subscriber Identity Module (USIM) application test specification	3.5.0	R99	T3	AFCHAR, Ramin	based on R99 core spec; split into 2 parts (this is 2)
TS	31.122	Universal Subscriber Identity Module (USIM) conformance test specification	3.6.0	R99	T3	KNIGHT, Simon	based on R99 core spec; was originally 31.121 but renumbered whch 31.120 was split into two parts
TS	32.005	Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain	3.6.0	R99	S5	ALEXANDER, Benni	
TS	32.015	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain	3.11.0	R99	S5	ALEXANDER, Benni	
TS	32.101	Telecommunication management; Principles and high level requirements	3.4.0	R99	S5	TRUSS, Michael	
TS	32.102	Telecommunication management; Architecture	3.2.0	R99	S5	BERGGREN, Tommy	
TS	32.104	3G Performance Management	3.5.0	R99	S5	HÜBINETTE, Ulf	
TS	32.106-1	Telecommunication management; Configuration Management (CM); Part 1: Concept and requirements	3.1.0	R99	S5	PIRT, Trevor	SP-08: split into eight parts
TS	32.106-2	Telecommunication management; Configuration Management (CM); Part 2: Notification Integration Reference Point (IRP): Information Service version 1	3.3.0	R99	S5	TSE, Edwin	TSG#8: split into eight parts
TS	32.106-3	Telecommunication management; Configuration Management (CM); Part 3: Notification Integration Reference Poin (IRP)t; Common Object Request Broker Architecture (CORBA) solution set	3.3.0	R99	S5	TSE, Edwin	TSG#8: split into eight parts

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	32.106-4	Telecommunication management; Configuration Management (CM); Part 4: Notification Integration Reference Poin (IRP)t: Common Management Information Protocol (CMIP) solution set Version 1:1	3.2.1	R99	S5	POLLAKOWSKI, Olaf	TSG#8: split into eight parts
TS	32.106-5	Telecommunication management; Configuration Management (CM); Part 5: Basic Configuration Management Integration Reference Point (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 (CM); Part 6: Basic Configuration Management Integration Reference Point (IRP): Common Object Request Broker Architecture (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 (CM); Part 7: Basic Configuration Management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set version 1:1	3.3.0	R99	S5	POLLAKOWSKI, Olaf	TSG#8: split into eight parts
TS	32.106-8	Telecommunication management; Configuration Management (CM); Part 8: Name convention for Managed Objects	3.2.0	R99	S5	TOVINGER, Thomas	TSG#8: split into eight parts
TS	32.111-1	Telecommunication management; Fault Management; Part 1: 3G fault management requirements	3.2.0	R99	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts
TS	32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service	3.3.0	R99	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts
TS	32.111-3	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	3.6.0	R99	S5	TSE, Edwin	TSG#8: split into 4 parts
TS	32.111-4	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	3.2.0	R99	S5	TOVINGER, Thomas	TSG#8: split into 4 parts
TS	33.102	3G security; Security architecture	3.13.0	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	3.5.0	R99	S3	WILHELM, Berthold	
TS	33.120	Security Objectives and Principles	3.0.0	R99	S3	WRIGHT, Tim	
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
TS	34.108	Common test environments for User Equipment (UE) conformance testing	3.11.0	R99	T1	CHALABI, Nouhman	
TS	34.109	Terminal logical test interface; Special conformance testing functions	3.9.0	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.
TS	34.121	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	3.12.0	R99	T1	HIGUCHI, Kenji	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	34.122	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	3.11.0	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)	3.1.0	R99	T1	HU, Shicheng	
TS	34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	3.4.0	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

D.2.1 Release 1999 3GPP Specifications and reports not under change control

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
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	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	34.901	Test Time Optimisation based on statistical approaches; Statistical theory applied and evaluation of statistical significance	none	R99	T1	YOKOYAMA, Mitsuru	2002-09-16: 34.801 -> 34.901.

D.3 Release 4 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	21.102	3rd Generation mobile system Release 4 specifications	4.8.0	Rel-4	SP	MEREDITH, John M	
TS	21.111	USIM and IC card requirements	4.1.0	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	4.3.0	Rel-4	SP	MEREDITH, John M	
TR	21.900	Technical Specification Group working methods	4.0.0	Rel-4	SP	MEREDITH, John M	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
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)	4.3.0	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)	4.3.0	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.004	General on supplementary services	4.2.0	Rel-4	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.011	Service accessibility	4.8.0	Rel-4	S1	GALLAIRE, Jean Paul	Transfer>TSG#4
TS	22.016	International Mobile Equipment Identities (IMEI)	4.2.1	Rel-4	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	4.1.0	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)	4.1.0	Rel-4	S1	TOIVANEN, Annukka	Transfer>TSG#4
TS	22.031	Fraud Information Gathering System (FIGS); Service description; Stage 1	4.0.0	Rel-4	S3	WRIGHT, Tim	SP-18: decided FIGS is joint GERAN/UTRAN so 02.31 R99 and 42.031 Rel-4 & Rel-5 -> 22.031.
TS	22.032	Immediate Service Termination (IST); Service description; Stage 1	4.0.0	Rel-4	S3	WRIGHT, Tim	SP-16: created to take over from 02.32 (R99) and 42.032 (Rel-4 onwards).
TS	22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	4.1.0	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) service description; Stage 1	4.1.0	Rel-4	S1	DAHLKVIST, Mikael	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) service description; Stage 1	4.1.0	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	4.4.0	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	4.1.0	Rel-4	S1	SWETINA, Joerg	Transfer>TSG#4
TS	22.071	Location Services (LCS); Stage 1	4.4.1	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	4.5.0	Rel-4	S1	GRECH, Michel	
TS	22.079	Support of optimal routeing; Stage 1	4.0.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.081	Line Identification supplementary services; Stage 1	4.1.0	Rel-4	S1	AHNBERG, Tomas	Transfer>TSG#4
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	4.2.0	Rel-4	S1	EVEN, Anne	Transfer>TSG#4
TS	22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.084	MultiParty (MPTY) supplementary service; Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	4.1.0	Rel-4	S1	CLAYTON, Michael	Transfer>TSG#4

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
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	4.1.0	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	4.1.0	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	4.1.0	Rel-4	S1	DWYER, Paul	Transfer>TSG#4
TS	22.101	Service aspects; Service principles	4.6.0	Rel-4	S1	DWYER, Paul	
TS	22.105	Services and service capabilities	4.3.0	Rel-4	S1	EVEN, Anne	
TS	22.115	Service Aspects Charging and billing	4.0.0	Rel-4	S1	MONTEGROSSO, Emanuele	
TR	22.121	Service aspects; The Virtual Home Environment; Stage 1	4.1.1	Rel-4	S1	OGUNBEKUN, Jumoke	Former title: "Provision of Services in UMTS - The Virtual Home Environment; Stage 1". SP-16: converted from TS to TR.
TS	22.127	Service Requirement for the Open Services Access (OSA); Stage 1	4.4.0	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	4.2.0	Rel-4	S1	KOKKOLA, Tommi	
TS	22.140	Multimedia Messaging Service (MMS); Stage 1	4.3.0	Rel-4	S1	LAUMEN, Josef	(development in T2)
TS	23.002	Network architecture	4.7.0	Rel-4	S2	SULTAN, Alain	Transfer>TSG#4,CR at TSG#5
TS	23.003	Numbering, Addressing and Identification	4.5.0	Rel-4	N4	RUSSELL, Nick	
TS	23.007	Restoration procedures	4.1.1	Rel-4	N4	RUSSELL, Nick	
TS	23.008	Organisation of subscriber data	4.2.0	Rel-4	N4	BAUER, Rolf	
TS	23.009	Handover procedures	4.7.0	Rel-4	N1	FARHOUMAND, Rouzbeh	
TS	23.011	Technical realization of Supplementary Services	4.0.1	Rel-4	N4	CONRAD, Alan	
TS	23.012	Location management procedures	4.0.0	Rel-4	N4	KYMALAINEN, Kimmo	
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	4.1.0	Rel-4	N1	ZAUS, Robert	Should not be in UMTS ????
TS	23.015	Technical realisation of Operator Determined Barring (ODB)	4.0.1	Rel-4	N4	PARK, Ian David Chalmers	
TS	23.016	Subscriber data management; Stage 2	4.3.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.018	Basic Call Handling; Technical realization	4.7.0	Rel-4	N4	PARK, Ian David Chalmers	
TS	23.031	Fraud Information Gathering System (FIGS); Service description; Stage 2	4.0.0	Rel-4	S3	WRIGHT, Tim	SP-18: decided FIGS is joint GERAN/UTRAN so 03.31 R99 and 43.031 Rel-4 & Rel-5 -> 23.031.
TS	23.032	Universal Geographical Area Description (GAD)	4.1.1	Rel-4	S2	HIETALAHTI, Hannu	S2 responsibility?
TS	23.034	High Speed Circuit Switched Data (HSCSD); Stage 2	4.0.0	Rel-4	N1	CARRION RODRIGO, Inmaculada	
TS	23.035	Immediate Service Termination (IST); Stage 2	4.1.0	Rel-4	S3	WRIGHT, Tim	SP-16: created to take over from 03.35 (R99) and 43.035 (Rel-4 onwards).
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)	4.7.0	Rel-4	T2	HARRIS, Ian	
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	4.4.0	Rel-4	T2	HARRIS, Ian	Transfer>TSG#4
TS	23.042	Compression algorithm for SMS	4.0.1	Rel-4	T2	HARRIS, Ian	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	23.048	Security Mechanisms for the (U)SIM application toolkit; Stage 2	4.4.0	Rel-4	T3	BARNES, Nigel	TP-12: replaces 43.048. TP-15: For test spec, see 31.048,
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	4.5.0	Rel-4	T2	BRENK, Lars	Apr-2001: " Station Application" removed from title.
TS	23.060	General Packet Radio Service (GPRS) Service description; Stage 2	4.7.0	Rel-4	S2	ZHAO, Yilin	Transfer>TSG#4
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	4.0.1	Rel-4	N4	LOPEZ SORIA, Luis	Transfer>TSG#4, CR at TSG#5
TS	23.067	Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2	4.1.1	Rel-4	N4	SCHMITT, Peter	
TS	23.072	Call Deflection Supplementary Service; Stage 2	4.0.1	Rel-4	N4	CONRAD, Alan	
TS	23.078	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	4.8.0	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	4.2.0	Rel-4	N4	PARK, Ian David Chalmers	CR at TSG#4,CR at TSG#5
TS	23.081	Line Identification supplementary services; Stage 2	4.1.0	Rel-4	N4	KYMALAINEN, Kimmo	
TS	23.082	Call Forwarding (CF) Supplementary Services; Stage 2	4.3.0	Rel-4	N4	KYMALAINEN, Kimmo	
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	WIEHE, Ulrich	
TS	23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	
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	4.1.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.094	Follow Me Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	Transfer>TSG#4. GSM only @TSG#5
TS	23.096	Name Identification Supplementary Service; Stage 2	4.0.0	Rel-4	N4	WIEHE, Ulrich	
TS	23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	4.0.0	Rel-4	N4	RUSSELL, Nick	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	4.6.0	Rel-4	S2	GREIS, Marc	was 23.907
TS	23.108	Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)	4.0.1	Rel-4	N1	DOIG, Ian	This is clause 7 from 04.08 ex R98.
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
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	4.3.0	Rel-4	N1	HIETALAHTI, Hannu	
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2	4.3.0	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	4.9.0	Rel-4	T2	LAUMEN, Josef	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
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	4.7.0	Rel-4	N4	HODGES, Phil	New after TSG#5
TS	23.205	Bearer-independent circuit-switched core network; Stage 2	4.6.0	Rel-4	N4	HODGES, Phil	2000-10: Rap change from Keutmann.
TS	23.221	Architectural requirements	4.2.0	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	4.2.0	Rel-4	T2	TOMÉ, Olga	
TS	23.271	Location Services (LCS); Functional description; Stage 2	4.8.0	Rel-4	S2	KÅLL, Jan	post-TSG#8: Recombined 2G and 3G spec for R00 onwards.
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	23.908	Technical report on Pre-Paging	4.0.0	Rel-4	N4	KYMALAINEN, Kimmo	
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	4.7.0	Rel-4	N3	HUSLENDE, Ragnar	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	23.930	Iu Principles	4.0.0	Rel-4	S2	AXERUD, Bo	
TS	24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	4.1.0	Rel-4	N1	ANDERSEN, Niels Peter Skov	
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	4.2.0	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	4.10.0	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	
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	4.1.1	Rel-4	N1	ANDERSEN, Niels Peter Skov	Transfer>TSG#4
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	SCHMITT, Peter	
TS	24.072	Call Deflection Supplementary Service; Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	4.3.0	Rel-4	N4	WIEHE, Ulrich	
TS	24.081	Line Identification Supplementary Service; Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.082	Call Forwarding supplementary service; Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3	4.0.1	Rel-4	N4	RUSSELL, Nick	
TS	24.084	MultiParty (MPTY) Supplementary Service; Stage 3	4.0.1	Rel-4	N4	RUSSELL, Nick	
TS	24.085	Closed User Group (CUG) Supplementary Service; Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.086	Advice of Charge (AoC) Supplementary Service; Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.087	User-to-User Signalling (UUS); Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.088	Call Barring (CB) Supplementary Service; Stage 3	4.0.2	Rel-4	N4	WIEHE, Ulrich	
TS	24.090	Unstructured Supplementary Service Data (USSD); Stage 3	4.0.1	Rel-4	N4	BRUSS, Jörg	

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TS	24.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.093	Call Completion to Busy Subscriber (CCBS); Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.096	Name Identification Supplementary Service; Stage 3	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	24.135	Multicall supplementary service; Stage 3	4.1.1	Rel-4	N4	MITAMURA, Kazuo	
TS	25.101	UE Radio transmission and reception (FDD)	4.7.0	Rel-4	R4	FERNANDES, Edgar	
TS	25.102	UTRA (UE) TDD; Radio transmission and reception	4.7.0	Rel-4	R4	KOTTKAMP, Meik	
TS	25.104	UTRA (BS) FDD; Radio transmission and reception	4.7.0	Rel-4	R4	SKÖLD, Johan	
TS	25.105	UTRA (BS) TDD: Radio transmission and reception	4.7.0	Rel-4	R4	KOTTKAMP, Meik	
TS	25.106	UTRA Repeater; Radio transmission and reception	4.5.0	Rel-4	R4	NILSSON, Martin	
TS	25.113	Base station and repeater electromagnetic compatibility (EMC)	4.4.0	Rel-4	R4	BARNES, David	
TS	25.123	Requirements for support of radio resource management (TDD)	4.8.0	Rel-4	R4	GUERRINI, Claudio	
TS	25.133	Requirements for support of radio resource management (FDD)	4.8.0	Rel-4	R4	GUERRINI, Claudio	
TS	25.141	Base station conformance testing (FDD)	4.8.0	Rel-4	R4	NAKAMURA, Takaharu	
TS	25.142	Base station conformance testing (TDD)	4.8.0	Rel-4	R4	MEYER, Juergen	
TS	25.143	UTRA repeater; Conformance testing	4.7.0	Rel-4	R4	KUMMETZ, Thomas	Created by renumbering 25.107
TS	25.201	Physical layer - general description	4.3.0	Rel-4	R1	TOSKALA, Antti	
TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	4.6.0	Rel-4	R1	WILDE, Andreas	
TS	25.212	Multiplexing and channel coding (FDD)	4.6.0	Rel-4	R1	TANAKA, Yoshinori	
TS	25.213	Spreading and modulation (FDD)	4.3.0	Rel-4	R1	CHAMBERS, Peter	
TS	25.214	Physical layer procedures (FDD)	4.6.0	Rel-4	R1	IKEDA, Shinobu	
TS	25.215	Physical layer; Measurements (FDD)	4.6.0	Rel-4	R1	IKEDA, Shinobu	
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	4.7.0	Rel-4	R1	HIRAMATSU, Katsuhiko	
TS	25.222	Multiplexing and channel coding (TDD)	4.6.0	Rel-4	R1	KAHTAVA, Jussi	
TS	25.223	Spreading and modulation (TDD)	4.5.0	Rel-4	R1	VACANT,	
TS	25.224	Physical layer procedures (TDD)	4.8.0	Rel-4	R1	OESTREICH, Stefan	
TS	25.225	Physical layer; Measurements (TDD)	4.6.0	Rel-4	R1	IKEDA, Shinobu	
TS	25.301	Radio Interface Protocol Architecture	4.4.0	Rel-4	R2	GRANZOW, Wolfgang	
TS	25.302	Services provided by the physical layer	4.7.0	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	4.5.0	Rel-4	R2	RINNE, Mikko J	
TS	25.304	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	4.6.0	Rel-4	R2	MAHKONEN, Marko	
TS	25.305	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	4.4.0	Rel-4	R2	MIHAILESCU, Claudiu	Created from 25.923
TS	25.306	UE Radio Access capabilities definition	4.6.0	Rel-4	R2	BERGGREN, Anders	Converted from TR 25.926 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	4.8.0	Rel-4	R2	NEMETHOVA, Olivia	
TS	25.322	Radio Link Control (RLC) protocol specification	4.8.0	Rel-4	R2	MADELAINE, Sebastien	
TS	25.323	Packet Data Convergence Protocol (PDCP) specification	4.6.0	Rel-4	R2	HANS, Martin	
TS	25.324	Broadcast/Multicast Control (BMC)	4.3.0	Rel-4	R2	HARTL, Mike	
TS	25.331	Radio Resource Control (RRC) protocol specification	4.9.0	Rel-4	R2	KUCHIBHOTLA, Ravi	
TS	25.401	UTRAN overall description	4.6.0	Rel-4	R3	CALMEL, Jean-Marie	Approval at TSG#5

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	25.402	Synchronisation in UTRAN Stage 2	4.6.0	Rel-4	R3	PIOLINI, Flavio	New
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	4.5.0	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	4.1.0	Rel-4	R3	THAKARE, Kiran	
TS	25.413	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	4.8.0	Rel-4	R3	JUSSILA, Jyrki	
TS	25.414	UTRAN Iu interface data transport & transport signalling	4.6.0	Rel-4	R3	COMSTOCK, David	
TS	25.415	UTRAN Iu interface user plane protocols	4.7.0	Rel-4	R3	MAUPIN, Alain	
TS	25.419	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	4.7.0	Rel-4	R3	TAYLOR, Carolyn	
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	4.2.0	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	4.2.0	Rel-4	R3	THAKARE, Kiran	
TS	25.423	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	4.8.0	Rel-4	R3	RUNE, Göran	
TS	25.424	UTRAN Iur interface data transport & transport signalling for CCH data streams	4.3.0	Rel-4	R3	DREVON, Nicolas	
TS	25.425	UTRAN Iur interface user plane protocols for CCH data streams	4.3.0	Rel-4	R3	DREVON, Nicolas	
TS	25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	4.4.0	Rel-4	R3	KEKKI, Sami	
TS	25.427	UTRAN Iur and Iub interface user plane protocols for DCH data streams	4.4.0	Rel-4	R3	LONGONI, Fabio	
TS	25.430	UTRAN Iub Interface: General Aspects and Principles	4.4.0	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	4.8.0	Rel-4	R3	ISHIKAWA, Nobutaka	
TS	25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	4.4.0	Rel-4	R3	ALDEN, Magnus	
TS	25.435	UTRAN Iub interface user plane protocols for CCH data streams	4.5.0	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	25.836	Node B synchronization for TDD	4.1.0	Rel-4	R1	OESTREICH, Stefan	
TR	25.838	Node B Synchronisation for TDD (Iub/Iur aspects)	4.1.0	Rel-4	R3	LENHART, Johannes	
TR	25.841	DSCH power control improvement in soft handover	4.1.0	Rel-4	R1	TOSKALA, Antti	
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	4.3.0	Rel-4	R2	KRISHNARAJAH, Ainkaran	
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 (QoS) Renegotiation over Iu	4.0.0	Rel-4	R3	IRWIN, Sania	
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.

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TR	25.921	Guidelines and principles for protocol description and error handling	4.5.0	Rel-4	R2	KALLA, Gairn	
TR	25.922	Radio Resource Management Strategies	4.2.0	Rel-4	R2	BULDORINI, Andrea	
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	4.4.0	Rel-4	R3	CASALINO, Francesco	
TR	25.934	AAL2 QoS optimization	4.0.0	Rel-4	R3	YOSHIMURA, Takayuki	
TR	25.935	RRM optimisation	4.1.0	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	25.942	RF system scenarios	4.2.0	Rel-4	R4	BENABDALLAH, Nadia	Additional rapporteur = A.De Pasquale.
TR	25.943	Deployment aspects	4.2.0	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 (QoS) 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	25.953	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	.
TR	25.993	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	4.0.0	Rel-4	R2	FAUCONNIER, Denis	
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	
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	Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec frame structure	4.2.0	Rel-4	S4	HAGQVIST, Jari	
TS	26.102	Adaptive Multi-Rate (AMR) speech codec; Interface to Iu and Uu	4.1.0	Rel-4	S4	NAVARRO, William	
TS	26.103	Speech codec list for GSM and UMTS	4.3.0	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	4.4.0	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	4.2.0	Rel-4	S4	GOETZ, Ian	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	26.132	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	4.3.0	Rel-4	S4	GOETZ, Ian	
TS	26.233	End-to-end transparent streaming service; General description	4.2.0	Rel-4	S4	HONKO, Harri	
TS	26.234	Transparent end-to-end transparent streaming service; Protocols and codecs	4.5.0	Rel-4	S4	FRANCESCHI, Olle	
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	4.2.0	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	26.975	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)	4.9.0	Rel-4	N3	HUSLENDE, Ragnar	
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	4.0.0	Rel-4	N3	HUSLENDE, Ragnar	
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	4.1.0	Rel-4	N3	HUSLENDE, Ragnar	
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)	4.2.0	Rel-4	T2	HARRIS, Ian	
TS	27.007	AT command set for 3G User Equipment (UE)	4.6.0	Rel-4	T2	CHRISTENSEN, Soren	
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	4.2.0	Rel-4	T2	BROOK, Richard	
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	4.2.0	Rel-4	N3	WILD, Johanna	GPRS
TS	27.103	Wide Area Network Synchronization	4.0.0	Rel-4	T2	CHAU, Alan	
TR	27.901	Report on Terminal Interfaces - An Overview	4.1.0	Rel-4	T2	REX, Thomas	
TR	27.903	Discussion of synchronization standards	4.0.0	Rel-4	T2	LOCKHART, Rob	
TS	28.062	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	4.5.0	Rel-4	S4	SUERBAUM, Clemens	Transfer>TSG#4
TS	29.002	Mobile Application Part (MAP) specification	4.11.0	Rel-4	N4	WIEHE, Ulrich	
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)	4.7.0	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)	4.5.0	Rel-4	N4	KYMALAINEN, Kimmo	Transfer>TSG#4 (transfer??)
TS	29.011	Signalling Interworking for Supplementary Services	4.0.1	Rel-4	N4	WIEHE, Ulrich	
TS	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	4.0.1	Rel-4	N4	WIEHE, Ulrich	Transfer>TSG#4

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	4.1.0	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	4.4.0	Rel-4	N1	MILLS, Duncan	
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	4.7.0	Rel-4	N4	KYMALAINEN, Kimmo	
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	4.7.0	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); CAMEL Application Part (CAP) specification	4.8.0	Rel-4	N2	NOLDUS, Rogier	Transfer>TSG#4
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	4.4.0	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	4.3.2	Rel-4	N5	ABARCA, Chelo	
TS	29.198-02	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	4.5.0	Rel-4	N5	ABARCA, Chelo	
TS	29.198-03	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	4.7.0	Rel-4	N5	BENNETT, Andy	
TS	29.198-04	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	4.6.0	Rel-4	N5	BAKKER, John-Luc	
TS	29.198-05	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	4.6.0	Rel-4	N5	ABARCA, Chelo	
TS	29.198-06	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	4.5.0	Rel-4	N5	ABARCA, Chelo	
TS	29.198-07	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities	4.5.0	Rel-4	N5	SAARENPAA, Matti	
TS	29.198-08	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	4.6.0	Rel-4	N5	UNMEHOPA, Musa	
TS	29.198-11	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	4.4.0	Rel-4	N5	SCHILDERS, Koen	
TS	29.198-12	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	4.4.0	Rel-4	N5	SCHILDERS, Koen	
TS	29.202	Signalling System No. 7 (SS7) signalling transport in core network; Stage 3	4.3.0	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	4.7.0	Rel-4	N4	PARK, Ian David Chalmers	Additional rapporteur: Laura.Pomponi@CSELT.IT
TS	29.414	Core network Nb data transport and transport signalling	4.4.0	Rel-4	N3	BELLING, Thomas	
TS	29.415	Core network Nb interface user plane protocols	4.3.0	Rel-4	N3	SANDERS, David	
TR	29.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults	4.0.1	Rel-4	N1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest Release version.

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
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 and 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	30.902	Guidelines for the modification of the Mobile Application Part (MAP)	4.0.2	Rel-4	N4	WIEHE, Ulrich	NP-19: Number of TR 30.002 changed to avoid potential confusion with old SMG 3.0x series.
TS	31.101	UICC-terminal interface; Physical and logical characteristics	4.1.0	Rel-4	T3	VESTERGAARD, Peter	Contents is a reference to ETSI TR 102 221.
TS	31.102	Characteristics of the USIM Application	4.8.0	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	Universal Subscriber Identity Module Application Toolkit (USAT)	4.10.0	Rel-4	T3	WOODSEND, Kristian	To include a GSM-specific annex from Rel-4 onwards, thus replacing 11.14.
TS	31.121	UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification	4.4.0	Rel-4	T3	AFCHAR, Ramin	based on R99 core spec; split into 2 parts (this is 2)
TS	32.101	Telecommunication management; Principles and high level requirements	4.2.1	Rel-4	S5	TRUSS, Michael	
TS	32.102	Telecommunication management; Architecture	4.3.0	Rel-4	S5	BERGGREN, Tommy	
TS	32.111-1	Telecommunication management; Fault Management; Part 1: 3G fault management requirements	4.0.1	Rel-4	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts
TS	32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service	4.6.0	Rel-4	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts
TS	32.111-3	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	4.6.0	Rel-4	S5	TSE, Edwin	TSG#8: split into 4 parts
TS	32.111-4	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	4.5.0	Rel-4	S5	TOVINGER, Thomas	TSG#8: split into 4 parts
TS	32.200	Telecommunication management; Charging management; Charging principles	4.4.0	Rel-4	S5	ALEXANDER, Benni	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	32.205	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	4.4.0	Rel-4	S5	ALEXANDER, Benni	
TS	32.215	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	4.4.0	Rel-4	S5	ALEXANDER, Benni	
TS	32.235	Telecommunication management; Charging management; Charging data description for application services	4.5.0	Rel-4	S5	GOERMER, Gerald	
TS	32.300	Telecommunication management; Configuration Management (CM); Name convention for Managed Objects	4.1.1	Rel-4	S5	TOVINGER, Thomas	Replaces 32.106-8 (pars)
TS	32.301	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Requirements	4.0.2	Rel-4	S5	SCHMIDT, Joerg	was 32.301-1
TS	32.302	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Information Service	4.1.1	Rel-4	S5	TSE, Edwin	was 32.301-2
TS	32.303	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	4.4.0	Rel-4	S5	TSE, Edwin	was 32.301-3
TS	32.304	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	4.2.1	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.301-4
TS	32.311	Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements	4.0.2	Rel-4	S5	TSE, Edwin	was 32.112-1
TS	32.312	Telecommunication management; Generic Integration Reference Point (IRP) management; Information service	4.0.1	Rel-4	S5	TSE, Edwin	was 32.112-2
TS	32.401	Telecommunication management; Performance Management (PM); Concept and requirements	4.2.0	Rel-4	S5	HÜBINETTE, Ulf	was 32.104 (pars)
TS	32.403	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	4.3.0	Rel-4	S5	TOCHE, Christian	was 32.104 (pars)
TS	32.600	Telecommunication management; Configuration Management (CM); Concept and high-level requirements	4.0.0	Rel-4	S5	TOVINGER, Thomas	Replaces 32.106 (pars).
TS	32.601	Telecommunication management; Configuration Management (CM); Basic Configuration Management (CM) Integration Reference Point (IRP): requirements	4.0.0	Rel-4	S5	PIRT, Trevor	was 32.601-1
TS	32.602	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP) information service	4.1.0	Rel-4	S5	TOVINGER, Thomas	was 32.601-2
TS	32.603	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	4.3.1	Rel-4	S5	TSE, Edwin	was 32.601-3

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	32.604	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP) Common Management Information Protocol (CMIP) solution set	4.2.0	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.601-4
TS	32.611	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Requirements	4.0.0	Rel-4	S5	PAL, Tapinder	was 32.602-1
TS	32.612	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Information service	4.4.0	Rel-4	S5	PIRT, Trevor	was 32.602-2
TS	32.613	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	4.4.0	Rel-4	S5	PIRT, Trevor	was 32.602-3
TS	32.614	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	4.3.0	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.602-4
TS	32.615	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	4.2.0	Rel-4	S5	BONNEAU, Frédéric	was 32.602-5
TS	32.621	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): requirements	4.0.0	Rel-4	S5	PIRT, Trevor	was 32.620-1
TS	32.622	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	4.3.0	Rel-4	S5	TOVINGER, Thomas	was 32.620-2
TS	32.623	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	4.3.0	Rel-4	S5	PIRT, Trevor	was 32.620-3
TS	32.624	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	4.4.0	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.620-4
TS	32.631	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Requirements	4.0.0	Rel-4	S5	PIRT, Trevor	was 32.621-1
TS	32.632	Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP): Network Resource Model (NRM)	4.3.0	Rel-4	S5	PAL, Tapinder	was 32.621-2
TS	32.633	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	4.1.0	Rel-4	S5	PAL, Tapinder	was 32.621-3

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TS	32.634	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	4.1.1	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.621-4
TS	32.641	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): requirements	4.0.0	Rel-4	S5	PIRT, Trevor	was 32.622-1
TS	32.642	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	4.2.0	Rel-4	S5	PETERSEN, Robert	was 32.622-2
TS	32.643	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	4.1.0	Rel-4	S5	RAYMER, David	was 32.622-3
TS	32.644	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	4.1.1	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.622-4
TS	32.651	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Requirements	4.0.0	Rel-4	S5	PIRT, Trevor	was 32.623-1
TS	32.652	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	4.4.0	Rel-4	S5	PETERSEN, Robert	was 32.623-2
TS	32.653	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	4.1.0	Rel-4	S5	RAYMER, David	was 32.623-3
TS	32.654	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	4.1.0	Rel-4	S5	POLLAKOWSKI, Olaf	was 32.623-4
TR	32.800	Telecommunication management; Management level procedures and interaction with UTRAN	4.0.0	Rel-4	S5	BODEN, Bert	
TS	33.102	3G security; Security architecture	4.5.0	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	4.3.0	Rel-4	S3	WILHELM, Berthold	
TS	33.120	Security Objectives and Principles	4.0.0	Rel-4	S3	WRIGHT, Tim	
TS	33.200	3G Security; Network Domain Security (NDS); Mobile Application Part (MAP) application layer security	4.3.0	Rel-4	S3	ESCOTT, Adrian	2001-05-24: title grows MAP; see 33.210 for IP equivalent.
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	33.908	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

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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	4.6.0	Rel-4	T1	CHALABI, Nouhman	
TS	34.109	Terminal logical test interface; Special conformance testing functions	4.5.0	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	34.122	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	4.7.0	Rel-4	T1	MAUCKSCH, Thomas	
TS	34.123-1	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	4.3.0	Rel-4	T1	SALMERON, Lidia	
TS	34.123-2	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	4.3.0	Rel-4	T1	HU, Shicheng	
TS	34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	4.2.0	Rel-4	R4	SOERENSEN, Ole	T1->R4@TSG#10
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
TS	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. 2002-06: clarified that deliverable is TS not TR.
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
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	

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TS	41.061	General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements	4.0.0	Rel-4	S3	WALKER, Michael	
TS	41.102	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	4.8.0	Rel-4	SP	MEREDITH, John M	Né 41.001; renumbered at TSG#10. Post-SP-19: title changed to align with 01.01.
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	TP-17: From Rel-6, transferred to ETSI TS 102 240.
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	42.056	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	4.2.0	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	4.3.0	Rel-4	T3	DIETRICH, Christian	For test spec, see 51.013.
TS	43.020	Security-related network functions	4.0.0	Rel-4	S3	GILBERT, Henri	
TS	43.022	Functions related to Mobile Station (MS) in idle mode and group receive mode	4.5.0	Rel-4	G1	HOWELL, Andrew	Moved from SMG3 Jan 2000.
TR	43.026	Multiband operation of GSM / DCS 1800 by a single operator	4.0.1	Rel-4	G1	ANDERSEN, Niels Peter Skov	
TR	43.030	Radio network planning aspects	4.0.1	Rel-4	G1	TEGTH, Ulf	
TS	43.033	Lawful Interception; Stage 2	4.0.0	Rel-4	S3	MCKIBBEN, Bernie	
TS	43.045	Technical Realization of Facsimile Group 3 Service - transparent	4.0.0	Rel-4	N3	BOSWARTHICK, David	
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	43.052	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 MARTINEZ, Jose 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	4.5.0	Rel-4	G1	LIVINGSTON, Margaret	
TS	43.064	Overall description of the GPRS radio interface; Stage 2	4.3.0	Rel-4	G1	LEPPISAARI, Arto	
TS	43.068	Voice Group Call Service (VGCS); Stage 2	4.2.2	Rel-4	N1	GARAPATY, Sonia	
TS	43.069	Voice Broadcast service (VBS); Stage 2	4.2.2	Rel-4	N1	GARAPATY, Sonia	
TS	43.073	Support of Localised Service Area (SoLSA); Stage 2	4.0.0	Rel-4	N4	KYMALAINEN, Kimmo	SP-16: derived from 23.073 on reversion to GERAN-only service.
TS	44.001	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	4.1.0	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	

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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	4.1.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	44.012	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	4.0.1	Rel-4	G2	ANDERSEN, Niels Peter Skov	Rel-4 onwards. (Rel-99 was 24.012)
TS	44.013	Performance Requirements on Mobile Radio Interface	4.1.0	Rel-4	N1	PUDNEY, Chris	
TS	44.014	Individual equipment type requirements and interworking; Special conformance testing functions	4.2.0	Rel-4	G2	HOWELL, Andrew	
TS	44.018	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	4.13.0	Rel-4	G2	HOWELL, Andrew	
TS	44.021	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	4.1.0	Rel-4	N3	RÄSÄNEN, Juha	
TS	44.031	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	4.6.0	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	4.10.0	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	44.064	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	4.3.0	Rel-4	N1	DOIG, Ian	
TS	44.065	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	4.2.0	Rel-4	N1	DOIG, Ian	24.065 existed, but scrapped since 04.65 is GSM only.
TS	44.068	Group Call Control (GCC) Protocol	4.3.0	Rel-4	N1	GARAPATY, Sonia	
TS	44.069	Broadcast Call Control (BCC) protocol	4.3.0	Rel-4	N1	GARAPATY, Sonia	
TS	44.071	Location Services (LCS); Mobile radio interface layer 3 LCS specification	4.3.0	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	4.6.0	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	4.10.0	Rel-4	G1	SAMUELSSON, Mats	
TS	45.008	Radio subsystem link control	4.9.0	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	4.4.0	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	

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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	
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	

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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	
TS	48.008	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	4.8.0	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	4.5.0	Rel-4	G2	BLACK, Jyoti	
TS	48.020	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	4.1.0	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	Base Station Controller - Base Transceiver Station (BSC - BTS) interface; Layer 1 structure of physical circuits	4.0.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.056	Base Station Controller - Base Transceiver Station (BSC - BTS) interface; 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	4.1.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TS	48.060	In-band control of remote transcoders and rate adaptors for full rate traffic channels	4.1.0	Rel-4	G1	ANDERSEN, Niels Peter Skov	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
TS	48.061	In-band control of remote transcoders and rate adaptors for half rate traffic channels	4.1.1	Rel-4	G1	ANDERSEN, Niels Peter Skov	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
TS	48.071	Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3 specification	4.3.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
TR	49.001	General network interworking scenarios	4.0.1	Rel-4	N4	KYMALAINEN, Kimmo	
TS	49.008	Application of the Base Station System Application Part (BSSAP) on the E-Interface	4.1.0	Rel-4	N1	FARHOUMAND, Rouzbeh	
TS	49.031	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	4.3.0	Rel-4	G2	ANDERSEN, Niels Peter Skov	
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	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	51.010-1	Mobile Station (MS) conformance specification; Part 1: Conformance specification	4.10.0	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	4.7.0	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)	4.7.0	Rel-4	G5	HU, Shicheng	2001-11-19: G4->G5.
TS	51.011	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	4.7.0	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	4.0.0	Rel-4	T3	LLOBREGAT, Fernando	
TS	51.014	Specification of Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface for SIM Application Toolkit	4.1.0	Rel-4	T3	WOODSEND, Kristian	
TS	51.021	GSM radio aspects base station system equipment specification	4.3.0	Rel-4	G3	BUSIN, Ake	
TS	51.026	GSM Repeater Equipment Specification	4.0.0	Rel-4	G3	BUSIN, Ake	
TS	52.021	Network Management (NM) Procedures and messages on the A-bis interface	4.0.0	Rel-4	G3	TRUSS, Michael	
TS	52.402	Telecommunication management; Performance Management (PM); Performance measurements - GSM	4.1.0	Rel-4	S5	TOCHE, Christian	SP-13: replaces 32.402.

D.3.1 Release 4 3GPP Specifications and reports not under change control

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TR	23.821	Architecture Principles for Relase 2000	1.0.1	Rel-4	S2	LIND, Christer	New after TSG#5
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 (QoS) concept	1.2.0	Rel-4	S2	VACANT,	
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	25.840	Terminal power saving features	2.3.0	Rel-4	R1	LEE, Juho	
TR	25.842	Smart antenna	1.0.0	Rel-4	R1	HU, Jinling	
TR	25.852	Radio access bearer support enhancements for the Iu	0.0.0	Rel-4	R3	DIESEN, Michael	
TR	30.504	Work Plan and Study Items - RAN WG4	2.2.0	Rel-4	R4	IWASA, Masaaki	
TS	31.048	Test specification for security mechanisms for the (U)SIM application toolkit	none	Rel-4	T3	VIALLET, Sophie	Test spec for 23.048.
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	31.122	Universal Subscriber Identity Module (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
TR	33.903	Access Security for IP based services	none	Rel-4	S3	VACANT,	
TS	34.121	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	none	Rel-4	T1	HIGUCHI, Kenji	
TS	34.123-3	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	none	Rel-4	T1	HU, Shicheng	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TR	34.910	Identification of test requirements for regulatory purposes in different regions/countries	1.0.0	Rel-4	T1	NIELSEN, Bjarke	

D.4 Release 5 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	21.103	3rd Generation mobile system Release 5 specifications	5.3.0	Rel-5	SP	MEREDITH, John M	
TS	21.111	USIM and IC card requirements	5.1.0	Rel-5	T3	KALINER, Stefan	
TR	21.801	Specification drafting rules	5.0.1	Rel-5	SP	MEREDITH, John M	
TR	21.900	Technical Specification Group working methods	5.0.1	Rel-5	SP	MEREDITH, John M	
TR	21.905	Vocabulary for 3GPP Specifications	5.6.0	Rel-5	S1	ZARRI, Michele	
TS	22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	5.0.0	Rel-5	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)	5.0.0	Rel-5	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	5.2.0	Rel-5	S1	KOKKOLA, Tommi	Transfer>TSG#5
TS	22.004	General on supplementary services	5.0.0	Rel-5	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.011	Service accessibility	5.1.0	Rel-5	S1	GALLAIRE, Jean Paul	Transfer>TSG#4
TS	22.016	International Mobile Equipment Identities (IMEI)	5.0.0	Rel-5	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	5.0.0	Rel-5	S3	NGUYEN NGOC, Sebastien	Transfer>TSG#4
TS	22.024	Description of Charge Advice Information (CAI)	5.0.0	Rel-5	S1	DWYER, Paul	Transfer>TSG#4,CR at TSG#5
TS	22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	5.0.0	Rel-5	S1	TOIVANEN, Annukka	Transfer>TSG#4
TS	22.031	Fraud Information Gathering System (FIGS); Service description; Stage 1	5.0.0	Rel-5	S3	WRIGHT, Tim	SP-18: decided FIGS is joint GERAN/UTRAN so 02.31 R99 and 42.031 Rel-4 & Rel-5 -> 22.031.
TS	22.032	Immediate Service Termination (IST); Service description; Stage 1	5.0.0	Rel-5	S3	WRIGHT, Tim	SP-16: created to take over from 02.32 (R99) and 42.032 (Rel-4 onwards).
TS	22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	5.0.0	Rel-5	S1	KOKKOLA, Tommi	Transfer>TSG#4
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	22.041	Operator Determined Call Barring	5.0.0	Rel-5	S1	WOLAK, Stephen	Transfer>TSG#4
TS	22.042	Network Identity and Time Zone (NITZ) service description; Stage 1	5.0.0	Rel-5	S1	DAHLKVIST, Mikael	Transfer>TSG#4
TS	22.053	Tandem Free Operation (TFO); Service description; Stage 1	5.0.0	Rel-5	S4	NAVARRO, William	Transfer>TSG#4.
TS	22.057	Mobile Execution Environment (MExE) service description; Stage 1	5.4.0	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	5.3.0	Rel-5	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	5.0.0	Rel-5	S1	SWETINA, Joerg	Transfer>TSG#4
TS	22.071	Location Services (LCS); Stage 1	5.1.1	Rel-5	S1	WOHLERT, Randolph	Transfer>TSG#4

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	22.072	Call Deflection (CD); Stage 1	5.0.0	Rel-5	S1	RAUCH, Horst	Transfer>TSG#4
TS	22.076	Noise suppression for the AMR codec; Service description; Stage 1	5.0.0	Rel-5	S4	USAI, Paolino	
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	5.10.0	Rel-5	S1	GRECH, Michel	
TS	22.079	Support of optimal routeing; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.081	Line Identification supplementary services; Stage 1	5.0.0	Rel-5	S1	AHNBERG, Tomas	Transfer>TSG#4
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	5.0.0	Rel-5	S1	EVEN, Anne	Transfer>TSG#4
TS	22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.084	MultiParty (MPTY) supplementary service; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.085	Closed User Group (CUG) supplementary services; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.086	Advice of Charge (AoC) supplementary services; Stage 1	5.0.0	Rel-5	S1	DWYER, Paul	Transfer>TSG#4
TS	22.087	User-to-user signalling (UUS); Stage 1	5.0.0	Rel-5	S1	BRADEN, Christian	Transfer>TSG#4
TS	22.088	Call Barring (CB) supplementary services; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	5.0.0	Rel-5	S1	KOKKOLA, Tommi	Transfer>TSG#4
TS	22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.094	Follow Me service description - Stage 1	5.0.0	Rel-5	S1	BERGMANN, Ansgar	Transfer>TSG#4. GSM only @TSG#5
TS	22.096	Name identification supplementary services; Stage 1	5.0.0	Rel-5	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1	5.0.0	Rel-5	S1	DWYER, Paul	Transfer>TSG#4
TS	22.101	Service aspects; Service principles	5.9.0	Rel-5	S1	DWYER, Paul	
TS	22.105	Services and service capabilities	5.2.0	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	5.2.0	Rel-5	S1	MONTEGROSSO, Emanuele	
TR	22.121	Service aspects; The Virtual Home Environment; Stage 1	5.3.1	Rel-5	S1	OGUNBEKUN, Jumoke	Former title: "Provision of Services in UMTS - The Virtual Home Environment; Stage 1". SP-16: converted from TS to TR.
TS	22.127	Service Requirement for the Open Services Access (OSA); Stage 1	5.5.0	Rel-5	S1	SWETINA, Joerg	
TS	22.129	Handover requirements between UTRAN and GERAN or other radio systems	5.2.0	Rel-5	S1	SAMPSON, Nick	
TS	22.135	Multicall; Service description; Stage 1	5.0.0	Rel-5	S1	KOKKOLA, Tommi	
TS	22.140	Multimedia Messaging Service (MMS); Stage 1	5.4.0	Rel-5	S1	LAUMEN, Josef	(development in T2)
TS	22.226	Global text telephony (GTT); Stage 1: Service description	5.2.0	Rel-5	S1	HELLSTROM, Gunnar	SP-16: to "GERAN" set.
TS	22.228	Service requirements for the Internet Protocol (IP) multimedia core network subsystem; Stage 1	5.6.0	Rel-5	S1	CATALDO, Mark	
TS	22.233	Transparent end-to-end packet-switched streamng service; Stage 1	5.0.0	Rel-5	S1	WOLAK, Stephen	
TR	22.944	Service requirements for UE functionality split	5.1.0	Rel-5	S1	GUPTA, Sanjay	
TS	23.002	Network architecture	5.10.0	Rel-5	S2	SULTAN, Alain	Transfer>TSG#4,CR at TSG#5
TS	23.003	Numbering, Addressing and Identification	5.5.1	Rel-5	N4	RUSSELL, Nick	
TS	23.007	Restoration procedures	5.0.0	Rel-5	N4	RUSSELL, Nick	
TS	23.008	Organisation of subscriber data	5.4.0	Rel-5	N4	BAUER, Rolf	
TS	23.009	Handover procedures	5.4.0	Rel-5	N1	FARHOUMAND, Rouzbeh	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	23.011	Technical realization of Supplementary Services	5.0.0	Rel-5	N4	CONRAD, Alan	
TS	23.012	Location management procedures	5.0.0	Rel-5	N4	KYMALAINEN, Kimmo	
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	5.1.0	Rel-5	N1	ZAUS, Robert	Should not be in UMTS ????
TS	23.015	Technical realisation of Operator Determined Barring (ODB)	5.0.0	Rel-5	N4	PARK, Ian David Chalmers	
TS	23.016	Subscriber data management; Stage 2	5.2.0	Rel-5	N4	WIEHE, Ulrich	
TS	23.018	Basic Call Handling; Technical realization	5.6.0	Rel-5	N4	PARK, Ian David Chalmers	
TS	23.031	Fraud Information Gathering System (FIGS); Service description; Stage 2	5.0.0	Rel-5	S3	WRIGHT, Tim	SP-18: decided FIGS is joint GERAN/UTRAN so 03.31 R99 and 43.031 Rel-4 & Rel-5 -> 23.031.
TS	23.032	Universal Geographical Area Description (GAD)	5.0.0	Rel-5	S2	HIETALAHTI, Hannu	S2 responsibility?
TS	23.034	High Speed Circuit Switched Data (HSCSD); Stage 2	5.2.0	Rel-5	N1	CARRION RODRIGO, Inmaculada	
TS	23.035	Immediate Service Termination (IST); Stage 2	5.1.0	Rel-5	S3	WRIGHT, Tim	SP-16: created to take over from 03.35 (R99) and 43.035 (Rel-4 onwards).
TS	23.038	Alphabets and language-specific information	5.0.0	Rel-5	T2	HARRIS, Ian	
TR	23.039	Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)	5.0.0	Rel-5	T2	HARRIS, Ian	
TS	23.040	Technical realization of Short Message Service (SMS)	5.5.1	Rel-5	T2	HARRIS, Ian	
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	5.1.0	Rel-5	T2	HARRIS, Ian	Transfer>TSG#4
TS	23.042	Compression algorithm for SMS	5.0.0	Rel-5	T2	HARRIS, Ian	
TS	23.048	Security Mechanisms for the (U)SIM application toolkit; Stage 2	5.6.0	Rel-5	T3	BARNES, Nigel	TP-12: replaces 43.048. TP-15: For test spec, see 31.048,
TS	23.053	Tandem Free Operation (TFO); Service description; Stage 2	5.0.0	Rel-5	S4	USAI, Paolino	No draft.
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	5.1.0	Rel-5	T2	BRENK, Lars	Apr-2001: " Station Application" removed from title.
TS	23.060	General Packet Radio Service (GPRS) Service description; Stage 2	5.5.0	Rel-5	S2	ZHAO, Yilin	Transfer>TSG#4
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	5.0.0	Rel-5	N4	LOPEZ SORIA, Luis	Transfer>TSG#4, CR at TSG#5
TS	23.067	Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2	5.0.0	Rel-5	N4	SCHMITT, Peter	
TS	23.072	Call Deflection Supplementary Service; Stage 2	5.0.0	Rel-5	N4	CONRAD, Alan	
TS	23.078	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	5.3.0	Rel-5	N2	HOMANN, Christian	CR at TSG#4,CR at TSG#5
TS	23.079	Support of Optimal Routeing (SOR); Technical realization; Stage 2	5.2.0	Rel-5	N4	PARK, Ian David Chalmers	CR at TSG#4,CR at TSG#5
TS	23.081	Line Identification supplementary services; Stage 2	5.2.0	Rel-5	N4	KYMALAINEN, Kimmo	
TS	23.082	Call Forwarding (CF) Supplementary Services; Stage 2	5.0.0	Rel-5	N4	KYMALAINEN, Kimmo	
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	5.1.0	Rel-5	N4	RUSSELL, Nick	
TS	23.084	MultiParty (MPTY) Supplementary Service; Stage 2	5.0.0	Rel-5	N4	RUSSELL, Nick	
TS	23.085	Closed User Group (CUG) Supplementary Service; Stage 2	5.0.0	Rel-5	N4	WIEHE, Ulrich	
TS	23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	5.0.0	Rel-5	N4	WIEHE, Ulrich	
TS	23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	5.0.0	Rel-5	N4	WIEHE, Ulrich	
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	5.0.0	Rel-5	N4	WIEHE, Ulrich	
TS	23.090	Unstructured Supplementary Service Data (USSD); Stage 2	5.0.0	Rel-5	N4	CROOK, Mick	
TS	23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	5.1.0	Rel-5	N4	WIEHE, Ulrich	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	5.0.0	Rel-5	N4	WIEHE, Ulrich	
TS	23.094	Follow Me Stage 2	5.0.1	Rel-5	N4	WIEHE, Ulrich	Transfer>TSG#4. GSM only @TSG#5
TS	23.096	Name Identification Supplementary Service; Stage 2	5.0.0	Rel-5	N4	WIEHE, Ulrich	
TS	23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	5.0.0	Rel-5	N4	RUSSELL, Nick	Transfer>TSG#4,CR at TSG#5
TS	23.107	Quality of Service (QoS) concept and architecture	5.8.0	Rel-5	S2	GREIS, Marc	was 23.907
TS	23.108	Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)	5.0.0	Rel-5	N1	DOIG, Ian	This is clause 7 from 04.08 ex R98.
TS	23.116	Super-Charger technical realization; Stage 2	5.0.0	Rel-5	N4	ALLEN, Nicholas	New after TSG#5
TS	23.119	Gateway Location Register (GLR); Stage2	5.0.0	Rel-5	N4	SAWADA, Masahiro	New after TSG#5
TS	23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	5.2.0	Rel-5	N1	HIETALAHTI, Hannu	
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2	5.2.0	Rel-5	S2	GOURRAUD, Christophe	Sept 00: "Open Service Architecture" removed from title.
TS	23.135	Multicall supplementary service; Stage 2	5.0.0	Rel-5	N4	MITAMURA, Kazuo	
TS	23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2	5.6.0	Rel-5	T2	LAUMEN, Josef	
TS	23.146	Technical realisation of facsimile Group 3 service - non-transparent	5.0.0	Rel-5	N3	HAGIWARA, Junichiro	
TS	23.153	Out of Band Transcoder Control; Stage 2	5.4.0	Rel-5	N4	HODGES, Phil	New after TSG#5
TS	23.172	Technical realization of Circuit Switched (CS) multimedia service; UDI/RDI fallback and service modification; Stage 2	5.1.0	Rel-5	N3	WIIK, Rune Werner	
TS	23.205	Bearer-independent circuit-switched core network; Stage 2	5.5.0	Rel-5	N4	HODGES, Phil	2000-10: Rap change from Keutmann.
TS	23.207	End-to-end Quality of Service (QoS) concept and architecture	5.7.0	Rel-5	S2	OYAMA, Johnson	
TS	23.218	IP Multimedia (IM) session handling; IM call model; Stage 2	5.4.0	Rel-5	N1	DRAGE, Keith	
TS	23.221	Architectural requirements	5.7.0	Rel-5	S2	DANIEL, Elizabeth	Derived from R99-specific 23.121
TS	23.226	Global text telephony (GTT); Stage 2: Architecture	5.2.0	Rel-5	S2	HELLSTROM, Gunnar	2002-03-06: N4->S2 (was wrong!) SP-16: to "GERAN" set.
TS	23.227	Application and user interaction in the UE; Principles and specific requirements	5.1.0	Rel-5	T2	TOMÉ, Olga	
TS	23.228	IP Multimedia Subsystem (IMS); Stage 2	5.8.0	Rel-5	S2	TOWLE, Thomas	
TS	23.236	Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes	5.2.0	Rel-5	S2	TERRILL, Stephen	
TS	23.271	Location Services (LCS); Functional description; Stage 2	5.6.0	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	5.2.0	Rel-5	N2	REMOQUILLO, Angelica	2001-10-26: renumbered from 23.178.
TR	23.815	Charging implications of IMS architecture	5.0.0	Rel-5	S2	MILINSKI, Alexander	Was 23.915.
TR	23.871	Enhanced support for user privacy in Location Services (LCS)	5.0.0	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.
TR	23.910	Circuit switched data bearer services	5.3.0	Rel-5	N3	HUSLENDE, Ragnar	03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval)
TS	24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	5.1.0	Rel-5	N1	ANDERSEN, Niels Peter Skov	
TS	24.007	Mobile radio interface signalling layer 3; General Aspects	5.1.0	Rel-5	N1	HOWELL, Andrew	Transfer>TSG#4,CR at TSG#5

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	5.7.0	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	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	5.0.0	Rel-5	N4	ANDERSEN, Niels Peter Skov	
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	5.1.0	Rel-5	N1	ANDERSEN, Niels Peter Skov	Transfer>TSG#4
TS	24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	5.2.0	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	24.030	Location Services (LCS); Supplementary service operations; Stage 3	5.1.0	Rel-5	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	5.0.0	Rel-5	N4	SCHMITT, Peter	
TS	24.072	Call Deflection Supplementary Service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	
TS	24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	5.3.0	Rel-5	N4	WIEHE, Ulrich	
TS	24.081	Line Identification Supplementary Service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	
TS	24.082	Call Forwarding supplementary service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	
TS	24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3	5.0.0	Rel-5	N4	RUSSELL, Nick	
TS	24.084	MultiParty (MPTY) Supplementary Service; Stage 3	5.0.0	Rel-5	N4	RUSSELL, Nick	
TS	24.085	Closed User Group (CUG) Supplementary Service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	
TS	24.086	Advice of Charge (AoC) Supplementary Service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	
TS	24.087	User-to-User Signalling (UUS); Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	
TS	24.088	Call Barring (CB) Supplementary Service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	
TS	24.090	Unstructured Supplementary Service Data (USSD); Stage 3	5.0.0	Rel-5	N4	BRUSS, Jörg	
TS	24.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	
TS	24.093	Call Completion to Busy Subscriber (CCBS); Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	
TS	24.096	Name Identification Supplementary Service; Stage 3	5.0.0	Rel-5	N4	WIEHE, Ulrich	
TS	24.135	Multicall supplementary service; Stage 3	5.0.0	Rel-5	N4	MITAMURA, Kazuo	
TS	24.228	Signalling flows for the IP multimedia call control based on SIP and SDP; Stage 3	5.4.0	Rel-5	N1	KISS, Krisztian	
TS	24.229	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	5.4.0	Rel-5	N1	DRAGE, Keith	NP-14: confirmed that this is appropriate for GSM as well as UMTS.
TS	25.101	UE Radio transmission and reception (FDD)	5.6.0	Rel-5	R4	FERNANDES, Edgar	
TS	25.102	UTRA (UE) TDD; Radio transmission and reception	5.4.0	Rel-5	R4	KOTTKAMP, Meik	
TS	25.104	UTRA (BS) FDD; Radio transmission and reception	5.6.0	Rel-5	R4	SKÖLD, Johan	
TS	25.105	UTRA (BS) TDD: Radio transmission and reception	5.4.0	Rel-5	R4	KOTTKAMP, Meik	
TS	25.106	UTRA Repeater; Radio transmission and reception	5.4.0	Rel-5	R4	NILSSON, Martin	
TS	25.113	Base station and repeater electromagnetic compatibility (EMC)	5.4.0	Rel-5	R4	BARNES, David	
TS	25.123	Requirements for support of radio resource management (TDD)	5.4.0	Rel-5	R4	GUERRINI, Claudio	
TS	25.133	Requirements for support of radio resource management (FDD)	5.6.0	Rel-5	R4	GUERRINI, Claudio	
TS	25.141	Base station conformance testing (FDD)	5.6.0	Rel-5	R4	NAKAMURA, Takaharu	

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TS	25.142	Base station conformance testing (TDD)	5.4.0	Rel-5	R4	MEYER, Juergen	
TS	25.143	UTRA repeater; Conformance testing	5.4.0	Rel-5	R4	KUMMETZ, Thomas	Created by renumbering 25.107
TS	25.201	Physical layer - general description	5.2.0	Rel-5	R1	TOSKALA, Antti	
TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	5.3.0	Rel-5	R1	WILDE, Andreas	
TS	25.212	Multiplexing and channel coding (FDD)	5.4.0	Rel-5	R1	TANAKA, Yoshinori	
TS	25.213	Spreading and modulation (FDD)	5.3.0	Rel-5	R1	CHAMBERS, Peter	
TS	25.214	Physical layer procedures (FDD)	5.4.0	Rel-5	R1	IKEDA, Shinobu	
TS	25.215	Physical layer; Measurements (FDD)	5.3.0	Rel-5	R1	IKEDA, Shinobu	
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	5.4.0	Rel-5	R1	HIRAMATSU, Katsuhiko	
TS	25.222	Multiplexing and channel coding (TDD)	5.4.0	Rel-5	R1	KAHTAVA, Jussi	
TS	25.223	Spreading and modulation (TDD)	5.3.0	Rel-5	R1	VACANT,	
TS	25.224	Physical layer procedures (TDD)	5.4.0	Rel-5	R1	OESTREICH, Stefan	
TS	25.225	Physical layer; Measurements (TDD)	5.4.0	Rel-5	R1	IKEDA, Shinobu	
TS	25.301	Radio Interface Protocol Architecture	5.2.0	Rel-5	R2	GRANZOW, Wolfgang	
TS	25.302	Services provided by the physical layer	5.4.0	Rel-5	R2	MIHAILESCU, Claudiu	V3.0.0 approved via e-mail July 99 CR at TSG#5?
TS	25.303	Interlayer procedures in Connected Mode	5.1.0	Rel-5	R2	RINNE, Mikko J	
TS	25.304	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	5.2.0	Rel-5	R2	MAHKONEN, Marko	
TS	25.305	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	5.5.0	Rel-5	R2	MIHAILESCU, Claudiu	Created from 25.923
TS	25.306	UE Radio Access capabilities definition	5.4.0	Rel-5	R2	BERGGREN, Anders	Converted from TR 25.926 at TSG#10.
TS	25.307	Requirements on UEs supporting a release-independent frequency band	5.0.0	Rel-5	R2	FAUCONNIER, Denis	Release independent! - sort of. RP-13: responsibility: R2 = signalling requirements, R4 = RF & RMM requirements.
TS	25.308	UTRA High Speed Downlink Packet Access (HSDPA); Overall description; Stage 2	5.4.0	Rel-5	R2	KUCHIBHOTLA, Ravi	TS created from entrails of TR 25.855.
TS	25.321	Medium Access Control (MAC) protocol specification	5.4.0	Rel-5	R2	NEMETHOVA, Olivia	
TS	25.322	Radio Link Control (RLC) protocol specification	5.4.0	Rel-5	R2	MADELAINE, Sebastien	
TS	25.323	Packet Data Convergence Protocol (PDCP) specification	5.2.0	Rel-5	R2	HANS, Martin	
TS	25.324	Broadcast/Multicast Control (BMC)	5.3.0	Rel-5	R2	HARTL, Mike	
TS	25.331	Radio Resource Control (RRC) protocol specification	5.4.0	Rel-5	R2	KUCHIBHOTLA, Ravi	
TS	25.401	UTRAN overall description	5.5.0	Rel-5	R3	CALMEL, Jean-Marie	Approval at TSG#5
TS	25.402	Synchronisation in UTRAN Stage 2	5.1.0	Rel-5	R3	PIOLINI, Flavio	New
TS	25.410	UTRAN Iu Interface: General Aspects and Principles	5.3.0	Rel-5	R3	TOWNEND, Richard	Approval at TSG#5
TS	25.411	UTRAN Iu interface layer 1	5.0.0	Rel-5	R3	BRANDT, Achim V.	
TS	25.411	UTRAN Iu interface layer 1	5.0.0	Rel-5	R3	BRANDT, Achim V.	
TS	25.412	UTRAN Iu interface signalling transport	5.1.0	Rel-5	R3	THAKARE, Kiran	
TS	25.413	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	5.4.0	Rel-5	R3	JUSSILA, Jyrki	
TS	25.414	UTRAN Iu interface data transport & transport signalling	5.4.0	Rel-5	R3	COMSTOCK, David	
TS	25.415	UTRAN Iu interface user plane protocols	5.3.0	Rel-5	R3	MAUPIN, Alain	
TS	25.419	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	5.3.0	Rel-5	R3	TAYLOR, Carolyn	
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	5.1.0	Rel-5	R3	THAKARE, Kiran	
TS	25.421	UTRAN Iur interface Layer 1	5.0.0	Rel-5	R3	BRANDT, Achim V.	
TS	25.422	UTRAN Iur interface signalling transport	5.1.0	Rel-5	R3	THAKARE, Kiran	

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TS	25.423	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling	5.5.0	Rel-5	R3	RUNE, Göran	
TS	25.424	UTRAN Iur interface data transport & transport signalling for CCH data streams	5.1.0	Rel-5	R3	DREVON, Nicolas	
TS	25.425	UTRAN Iur interface user plane protocols for CCH data streams	5.4.0	Rel-5	R3	DREVON, Nicolas	
TS	25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	5.2.0	Rel-5	R3	KEKKI, Sami	
TS	25.427	UTRAN Iur and Iub interface user plane protocols for DCH data streams	5.1.0	Rel-5	R3	LONGONI, Fabio	
TS	25.430	UTRAN Iub Interface: General Aspects and Principles	5.2.0	Rel-5	R3	WILSON, Mick	
TS	25.431	UTRAN Iub interface Layer 1	5.0.0	Rel-5	R3	BRANDT, Achim V.	
TS	25.432	UTRAN Iub interface: signalling transport	5.1.0	Rel-5	R3	WILSON, Mick	
TS	25.433	UTRAN Iub interface NBAP signalling	5.4.0	Rel-5	R3	ISHIKAWA, Nobutaka	
TS	25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	5.1.0	Rel-5	R3	ALDEN, Magnus	
TS	25.435	UTRAN Iub interface user plane protocols for CCH data streams	5.4.0	Rel-5	R3	CALMEL, Jean-Marie	
TS	25.442	UTRAN implementation-specific O&M transport	5.1.0	Rel-5	R3	RECKER, Stephan	
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	5.0.1	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	5.5.0	Rel-5	R3	LIN, Ie-Hong	
TR	25.854	Uplink Synchronous Transmission Scheme (USTS)	5.0.0	Rel-5	R1	KIM, Duk Kyung	
TR	25.858	Physical layer aspects of UTRA High Speed Downlink Packet Access	5.0.0	Rel-5	R1	GHOSH, Amitabha	
TR	25.859	User Equipment (UE) positioning enhancements for 1,28 Mcps TDD	5.0.0	Rel-5	R2	N, A	
TR	25.860	Radio acces bearer support enhancements	5.0.0	Rel-5	R2	MIKOLA, Juha	
TR	25.868	Node B synchronization for 1,28 Mcps TDD	5.0.1	Rel-5	R1	HU, Jinling	
TR	25.870	Enhancement on the DSCH Hard Split mode	5.0.0	Rel-5	R1	KIM, Jaeyoel	
TR	25.875	NAS node selector function	5.0.0	Rel-5	R3	MCWILLIAMS, Brendan	
TR	25.877	High Speed Downlink Packet Access (HSDPA) - Iub/Iur Protocol Aspects	5.1.0	Rel-5	R3	DIESEN, Michael	
TR	25.878	RL timing adjustment	5.1.0	Rel-5	R3	VOLTOLINA, Elena Eva	
TR	25.879	Separation of resource reservation and radio link activation	5.0.0	Rel-5	R3		
TS	25.880	Re-arrangement of Iub transport bearers	5.0.0	Rel-5	R3	ISOKANGAS, Jari	2003-01: title changed from "Traffic termination point swapping" some time ago.
TR	25.881	Improvement of Radio Resource Management (RRM) across RNS and RNS/BSS	5.0.0	Rel-5	R3	HWANG, Woonhee	
TR	25.882	1,28 Mcps TDD option base station classification	5.0.0	Rel-5	R4	MEYER, Juergen	
TR	25.883	Direct Transport Bearers Between SRNC and Node-B	5.0.0	Rel-5	R3	VAN LIESHOUT, Gert-Jan	
TR	25.884	Iur Neighbouring cell reporting efficiency optimisation	5.0.0	Rel-5	R3	VOLTOLINA, Elena Eva	Previous rapporteur: Shahrokh Amirijoo.
TR	25.921	Guidelines and principles for protocol description and error handling	5.1.0	Rel-5	R2	KALLA, Gairn	
TR	25.922	Radio Resource Management Strategies	5.0.0	Rel-5	R2	BULDORINI, Andrea	

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TR	25.931	UTRAN Functions, examples on signalling procedures	5.1.0	Rel-5	R3	CASALINO, Francesco	
TR	25.933	IP transport in UTRAN	5.2.0	Rel-5	R3	DREVON, Nicolas	
TR	25.942	RF system scenarios	5.1.0	Rel-5	R4	BENABDALLAH, Nadia	Additional rapporteur = A.De Pasquale.
TR	25.943	Deployment aspects	5.1.0	Rel-5	R4	SKÖLD, Johan	
TR	25.945	RF requirements for low chip rate TDD option	5.0.0	Rel-5	R4	ZHANG, Daijun	
TR	25.952	Base Station classification (TDD)	5.2.0	Rel-5	R4	AXNESS, Timothy	
TR	25.956	UTRA repeater: Planning guidelines and system analysis	5.0.0	Rel-5	R4	GARCIA LOPEZ, Lorena	.
TR	25.991	Feasibility study on the mitigation of the effect of common pilot channel (CPICH) interference at the user equipment	5.1.0	Rel-5	R4	MOSHAVI, Shimon	
TR	25.993	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	5.0.0	Rel-5	R2	FAUCONNIER, Denis	
TS	26.071	AMR speech Codec; General description	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.073	AMR speech Codec; C-source code	5.1.0	Rel-5	S4	EKUDDEN, Erik	
TS	26.074	AMR speech Codec; Test sequences	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.077	Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder	5.0.0	Rel-5	S4	USAI, Paolino	
TS	26.090	AMR speech Codec; Transcoding Functions	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.091	AMR speech Codec; Error concealment of lost frames	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	5.0.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.093	AMR speech Codec; Source Controlled Rate operation	5.2.0	Rel-5	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels	5.0.0	Rel-5	S4	USAI, Paolino	Transfer>TSG#4
TS	26.101	Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec frame structure	5.0.0	Rel-5	S4	HAGQVIST, Jari	
TS	26.102	Adaptive Multi-Rate (AMR) speech codec; Interface to Iu and Uu	5.2.0	Rel-5	S4	NAVARRO, William	
TS	26.103	Speech codec list for GSM and UMTS	5.4.0	Rel-5	S4	HELLWIG, Karl	New after TSG#5
TS	26.104	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	5.1.0	Rel-5	S4	USAI, Paolino	
TS	26.110	Codec for circuit switched multimedia telephony service; General description	5.0.0	Rel-5	S4	ARONSON, Barry	
TS	26.111	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	5.0.0	Rel-5	S4	ARONSON, Barry	CR at TSG#5
TS	26.115	Echo control for speech and multi-media services	5.0.0	Rel-5	S4	USAI, Paolino	
TS	26.131	Terminal acoustic characteristics for telephony; Requirements	5.2.0	Rel-5	S4	GOETZ, Ian	
TS	26.132	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification	5.3.0	Rel-5	S4	GOETZ, Ian	
TS	26.140	Multimedia Messaging Service (MMS); Media formats and codes	5.2.0	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 - Wideband (AMR-W) speech codec	5.6.0	Rel-5	S4	EKUDDEN, Erik	2001-10-01: added "G" flag.
TS	26.174	AMR speech codec, wideband; Test sequences	5.4.0	Rel-5	S4	EKUDDEN, Erik	

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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	5.1.0	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	
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	5.1.0	Rel-5	S4	NAVARRO, William	
TS	26.204	ANSI-C code for the floating-point Adaptive Multi-Rate - Wideband (AMR-W) speech codec	5.1.0	Rel-5	S4	N, A	
TS	26.226	Global text telephony (GTT);Transport of text in the voice channel	5.0.0	Rel-5	S4	HELLSTROM, Gunnar	SP-16: in "GERAN" set.
TS	26.230	Global text telephony (GTT); Cellular text telephone modem transmitter C-code description	5.0.1	Rel-5	S4	HELLSTROM, Gunnar	SP-16: in "GERAN" set.
TS	26.231	Global text telephony (GTT); Cellular text telephone modem minimum performance requirements	5.2.0	Rel-5	S4	HELLSTROM, Gunnar	SP-16: in "GERAN" set.
TS	26.233	End-to-end transparent streaming service; General description	5.0.0	Rel-5	S4	HONKO, Harri	
TS	26.234	Transparent end-to-end transparent streaming service; Protocols and codecs	5.4.0	Rel-5	S4	FRANCESCHI, Olle	
TS	26.235	Packet switched conversational multimedia applications; Default codecs	5.1.0	Rel-5	S4	OJALA, Pasi	
TS	26.236	Packet switched conversational multimedia applications; Transport protocols	5.2.0	Rel-5	S4	OJALA, Pasi	
TR	26.911	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	5.1.0	Rel-5	S4	HAAVISTO, Petri	
TR	26.975	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec	5.0.0	Rel-5	S4	EKUDDEN, Erik	Replaces 26.075. 2001-10-02: Also for GSM.
TR	26.976	Performance characterization of the Adaptive Multi-Rate Wideband (AMR-WB) speech codec	5.0.0	Rel-5	S4	VAINIO, Janne	Cf 26.975.
TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	5.5.0	Rel-5	N3	HUSLENDE, Ragnar	
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	5.0.0	Rel-5	N3	HUSLENDE, Ragnar	
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	5.0.0	Rel-5	N3	HUSLENDE, Ragnar	
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)	5.0.0	Rel-5	T2	HARRIS, Ian	
TS	27.007	AT command set for 3G User Equipment (UE)	5.3.0	Rel-5	T2	CHRISTENSEN, Soren	
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	5.0.0	Rel-5	T2	BROOK, Richard	
TS	27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	5.3.0	Rel-5	N3	WILD, Johanna	GPRS

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TS	27.103	Wide Area Network Synchronization	5.0.0	Rel-5	T2	CHAU, Alan	
TR	27.901	Report on Terminal Interfaces - An Overview	5.0.0	Rel-5	T2	REX, Thomas	
TS	28.062	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	5.3.0	Rel-5	S4	SUERBAUM, Clemens	Transfer>TSG#4
TS	29.002	Mobile Application Part (MAP) specification	5.5.0	Rel-5	N4	WIEHE, Ulrich	
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)	5.5.0	Rel-5	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)	5.2.0	Rel-5	N4	KYMALAINEN, Kimmo	Transfer>TSG#4 (transfer??)
TS	29.011	Signalling Interworking for Supplementary Services	5.0.0	Rel-5	N4	WIEHE, Ulrich	
TS	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	5.0.0	Rel-5	N4	WIEHE, Ulrich	Transfer>TSG#4
TS	29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	5.0.0	Rel-5	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	5.3.0	Rel-5	N1	MILLS, Duncan	
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	5.5.0	Rel-5	N4	KYMALAINEN, Kimmo	
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	5.5.0	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	29.078	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	5.3.0	Rel-5	N2	NOLDUS, Rogier	Transfer>TSG#4
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	5.3.0	Rel-5	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)	5.0.0	Rel-5	N4	AIKAWA, Shinichiro	New after TSG#5
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3	5.0.0	Rel-5	N4	MITAMURA, Kazuo	New after TSG#5
TS	29.198-01	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	5.1.1	Rel-5	N5	ABARCA, Chelo	
TS	29.198-02	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	5.2.0	Rel-5	N5	ABARCA, Chelo	
TS	29.198-03	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	5.2.0	Rel-5	N5	BENNETT, Andy	
TS	29.198-04-1	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 1: Common call control data definitions	5.2.0	Rel-5	N5	BAKKER, John-Luc	
TS	29.198-04-2	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 2: Generic call control data Service Capability Feature (SCF)	5.2.0	Rel-5	N5	BAKKER, John-Luc	

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TS	29.198-04-3	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control data SCF	5.2.0	Rel-5	N5	BAKKER, John-Luc	
TS	29.198-04-4	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 4: Multimedia call control SCF	5.2.0	Rel-5	N5	BAKKER, John-Luc	
TS	29.198-05	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	5.2.0	Rel-5	N5	ABARCA, Chelo	
TS	29.198-06	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	5.2.0	Rel-5	N5	ABARCA, Chelo	
TS	29.198-07	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities	5.3.0	Rel-5	N5	SAARENPAA, Matti	
TS	29.198-08	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	5.2.0	Rel-5	N5	UNMEHOPA, Musa	
TS	29.198-11	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	5.2.0	Rel-5	N5	SCHILDERS, Koen	
TS	29.198-12	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	5.2.0	Rel-5	N5	SCHILDERS, Koen	
TS	29.198-13	Open Service Access (OSA) Application Programming Interface (API); Part 13: Policy management SCF	5.1.0	Rel-5	N5	UNMEHOPA, Musa	
TS	29.198-14	Open Service Access (OSA) Application Programming Interface (API); Part 14: Presence and Availability Management (PAM)	5.1.0	Rel-5	N5	VENKATESH, Guda	
TS	29.202	Signalling System No. 7 (SS7) signalling transport in core network; Stage 3	5.2.0	Rel-5	N4	ANGELO, Ciriaco	
TS	29.205	Application of Q.1900 series to bearer-independent circuit-switched core network architecture; Stage 3	5.0.0	Rel-5	N4	HEIDERMARK, Alf	
TS	29.207	Policy control over Go interface	5.3.0	Rel-5	N3	YOKOTA, Daisuke	NP-15: title changed from "End to end Quality of Service (QoS); Stage 3".
TS	29.208	End to end Quality of Service (QoS) signalling flows	5.3.0	Rel-5	N3	YOKOTA, Daisuke	
TS	29.228	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	5.3.0	Rel-5	N4	PALLARES LÓPEZ, Miguel Angel	Additional rapporteur: Miguel-Angel Pallares-Lopez
TS	29.229	Cx and Dx interfaces based on the Diameter protocol; Protocol details	5.3.0	Rel-5	N4	PALLARES LÓPEZ, Miguel Angel	2nd rapporteur: CZOMA, Balazs.
TS	29.232	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	5.5.0	Rel-5	N4	PARK, Ian David Chalmers	Additional rapporteur: Laura.Pomponi@CSELT.IT
TS	29.278	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification for IP Multimedia Subsystems (IMS)	5.2.0	Rel-5	N2	REMOQUILLO, Angelica	NP-16 Existance hinted at in N2 report. Draft believed to have been seen at N2.
TS	29.328	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	5.3.0	Rel-5	N4	BERRY, Nigel. H	
TS	29.329	Sh interface based on the Diameter protocol	5.3.0	Rel-5	N4	BERRY, Nigel. H	
TS	29.414	Core network Nb data transport and transport signalling	5.0.0	Rel-5	N3	BELLING, Thomas	
TS	29.415	Core network Nb interface user plane protocols	5.1.0	Rel-5	N3	SANDERS, David	
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	29.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults	5.0.1	Rel-5	N1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest Release version.

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TR	29.998-01	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 1: General Issues on API Mapping	5.0.0	Rel-5	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	5.0.0	Rel-5	N5	UNMEHOPA, Musa	
TR	29.998-04-4	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 4:Call Control Service Mapping; Subpart 4: Multiparty Call Control SIP	5.0.0	Rel-5	N5	UNMEHOPA, Musa	Evidence for existance unearthed in N5-020143.
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	5.0.0	Rel-5	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	5.0.0	Rel-5	N5	UNMEHOPA, Musa	
TR	29.998-06	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 6: User Location and User Status Service Mapping to MAP	5.0.0	Rel-5	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	5.0.0	Rel-5	N5	UNMEHOPA, Musa	
TR	30.902	Guidelines for the modification of the Mobile Application Part (MAP)	5.0.1	Rel-5	N4	WIEHE, Ulrich	NP-19: Number of TR 30.002 changed to avoid potential confusion with old SMG 3.0x series.
TS	31.101	UICC-terminal interface; Physical and logical characteristics	5.1.0	Rel-5	T3	VESTERGAARD, Peter	Contents is a reference to ETSI TR 102 221.
TS	31.102	Characteristics of the USIM Application	5.4.0	Rel-5	T3	HEIM, Christian	
TS	31.103	Characteristics of the IP Multimedia Services Identity Module (ISIM) application	5.3.0	Rel-5	T3	N, A	
TS	31.111	Universal Subscriber Identity Module Application Toolkit (USAT)	5.4.0	Rel-5	T3	WOODSEND, Kristian	To include a GSM-specific annex from Rel-4 onwards, thus replacing 11.14.
TS	31.112	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter architecture description; Stage 2	5.2.0	Rel-5	T3	N, A	
TS	31.113	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter byte codes	5.5.0	Rel-5	T3	N, A	
TS	31.114	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter protocol and administration	5.3.0	Rel-5	T3	MEYER, Michael	
TR	31.900	SIM/USIM internal and external interworking aspects	5.2.0	Rel-5	T3	KALINER, Stefan	
TS	32.101	Telecommunication management; Principles and high level requirements	5.3.0	Rel-5	S5	TRUSS, Michael	
TS	32.102	Telecommunication management; Architecture	5.3.0	Rel-5	S5	BERGGREN, Tommy	
TS	32.111-1	Telecommunication management; Fault Management; Part 1: 3G fault management requirements	5.1.1	Rel-5	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts
TS	32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service	5.3.0	Rel-5	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	32.111-3	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	5.3.0	Rel-5	S5	TSE, Edwin	TSG#8: split into 4 parts
TS	32.111-4	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	5.4.0	Rel-5	S5	TOVINGER, Thomas	TSG#8: split into 4 parts
TS	32.200	Telecommunication management; Charging management; Charging principles	5.3.0	Rel-5	S5	ALEXANDER, Benni	
TS	32.205	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	5.3.0	Rel-5	S5	ALEXANDER, Benni	
TS	32.215	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	5.3.0	Rel-5	S5	ALEXANDER, Benni	
TS	32.225	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)	5.2.0	Rel-5	S5	SHARON, Ariel	
TS	32.235	Telecommunication management; Charging management; Charging data description for application services	5.2.0	Rel-5	S5	GOERMER, Gerald	
TS	32.300	Telecommunication management; Configuration Management (CM); Name convention for Managed Objects	5.0.1	Rel-5	S5	TOVINGER, Thomas	Replaces 32.106-8 (pars)
TS	32.301	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Requirements	5.0.1	Rel-5	S5	SCHMIDT, Joerg	was 32.301-1
TS	32.302	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Information Service	5.0.2	Rel-5	S5	TSE, Edwin	was 32.301-2
TS	32.303	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	5.2.0	Rel-5	S5	TSE, Edwin	was 32.301-3
TS	32.304	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	5.2.1	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.301-4
TS	32.311	Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements	5.0.1	Rel-5	S5	TSE, Edwin	was 32.112-1
TS	32.312	Telecommunication management; Generic Integration Reference Point (IRP) management; Information service	5.0.1	Rel-5	S5	TSE, Edwin	was 32.112-2
TS	32.321	Telecommunication management; Test management Integration Reference Point (IRP): Requirements	5.0.1	Rel-5	S5	POLLAKOWSKI, Olaf	
TS	32.322	Telecommunication management; Test management Integration Reference Point (IRP): Information service	5.0.1	Rel-5	S5	POLLAKOWSKI, Olaf	
TS	32.323	Telecommunication management; Test management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	5.0.1	Rel-5	S5	TSE, Edwin	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	32.324	Telecommunication management; Test management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	5.0.1	Rel-5	S5	POLLAKOWSKI, Olaf	
TS	32.401	Telecommunication management; Performance Management (PM); Concept and requirements	5.1.0	Rel-5	S5	HÜBINETTE, Ulf	was 32.104 (pars)
TS	32.403	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	5.2.0	Rel-5	S5	TOCHE, Christian	was 32.104 (pars)
TS	32.600	Telecommunication management; Configuration Management (CM); Concept and high-level requirements	5.0.0	Rel-5	S5	TOVINGER, Thomas	Replaces 32.106 (pars).
TS	32.601	Telecommunication management; Configuration Management (CM); Basic Configuration Management (CM) Integration Reference Point (IRP): requirements	5.0.0	Rel-5	S5	PIRT, Trevor	was 32.601-1
TS	32.602	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP) information service	5.1.0	Rel-5	S5	TOVINGER, Thomas	was 32.601-2
TS	32.603	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	5.1.0	Rel-5	S5	TSE, Edwin	was 32.601-3
TS	32.604	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP) Common Management Information Protocol (CMIP) solution set	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.601-4
TS	32.611	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Requirements	5.1.0	Rel-5	S5	PAL, Tapinder	was 32.602-1
TS	32.612	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Information service	5.1.1	Rel-5	S5	PIRT, Trevor	was 32.602-2
TS	32.613	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	5.1.0	Rel-5	S5	PIRT, Trevor	was 32.602-3
TS	32.614	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.602-4
TS	32.615	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	5.0.1	Rel-5	S5	BONNEAU, Frédéric	was 32.602-5
TS	32.621	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): requirements	5.0.0	Rel-5	S5	PIRT, Trevor	was 32.620-1
TS	32.622	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	5.0.0	Rel-5	S5	TOVINGER, Thomas	was 32.620-2

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	32.623	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	5.1.0	Rel-5	S5	PIRT, Trevor	was 32.620-3
TS	32.624	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.620-4
TS	32.625	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	5.0.0	Rel-5	S5	BONNEAU, Frédéric	
TS	32.631	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Requirements	5.0.0	Rel-5	S5	PIRT, Trevor	was 32.621-1
TS	32.632	Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP): Network Resource Model (NRM)	5.2.0	Rel-5	S5	PAL, Tapinder	was 32.621-2
TS	32.633	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	5.1.0	Rel-5	S5	PAL, Tapinder	was 32.621-3
TS	32.634	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.621-4
TS	32.635	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	5.0.0	Rel-5	S5	BONNEAU, Frédéric	RP-15: existence gleaned from S5 report.
TS	32.641	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): requirements	5.0.0	Rel-5	S5	PIRT, Trevor	was 32.622-1
TS	32.642	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	5.1.1	Rel-5	S5	PETERSEN, Robert	was 32.622-2
TS	32.643	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	5.0.0	Rel-5	S5	RAYMER, David	was 32.622-3
TS	32.644	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.622-4
TS	32.645	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	5.0.0	Rel-5	S5	BONNEAU, Frédéric	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	32.651	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Requirements	5.0.0	Rel-5	S5	PIRT, Trevor	was 32.623-1
TS	32.652	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	5.0.1	Rel-5	S5	PETERSEN, Robert	was 32.623-2
TS	32.653	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	5.0.1	Rel-5	S5	RAYMER, David	was 32.623-3
TS	32.654	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	was 32.623-4
TS	32.655	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	5.0.0	Rel-5	S5	BONNEAU, Frédéric	
TS	32.661	Telecommunication management; Configuration Management (CM); Kernel CM requirements	5.1.0	Rel-5	S5	TOVINGER, Thomas	
TS	32.662	Telecommunication management; Configuration Management (CM); Kernel CM information service	5.0.0	Rel-5	S5	TOVINGER, Thomas	
TS	32.663	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	5.1.0	Rel-5	S5	PAL, Tapinder	
TS	32.664	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	
TS	32.671	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Requirements	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	
TS	32.672	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Information service	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	
TS	32.673	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	5.1.0	Rel-5	S5	POLLAKOWSKI, Olaf	
TS	32.674	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	5.0.0	Rel-5	S5	POLLAKOWSKI, Olaf	
TS	32.691	Telecommunication management; Inventory management network resources Integration Reference Point (IRP): Requirements	5.0.0	Rel-5	S5	PAL, Tapinder	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	32.692	Telecommunication management; Inventory management network resources Integration Reference Point (IRP): Network Resource Model (NRM)	5.0.0	Rel-5	S5	PAL, Tapinder	
TR	32.800	Telecommunication management; Management level procedures and interaction with UTRAN	5.0.0	Rel-5	S5	BODEN, Bert	
TR	32.802	Telecommunication management; User Equipment Management (UEM) feasibility study	5.1.0	Rel-5	S5	MUDGE, John	
TS	33.102	3G security; Security architecture	5.1.0	Rel-5	S3	BLOMMAERT, Marc	
TS	33.106	Lawful interception requirements	5.1.0	Rel-5	S3	WILHELM, Berthold	
TS	33.107	3G security; Lawful interception architecture and functions	5.5.0	Rel-5	S3	WILHELM, Berthold	
TS	33.108	3G security; Handover interface for Lawful Interception (LI)	5.3.0	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	33.200	3G Security; Network Domain Security (NDS); Mobile Application Part (MAP) application layer security	5.1.0	Rel-5	S3	ESCOTT, Adrian	2001-05-24: title grows MAP; see 33.210 for IP equivalent.
TS	33.203	3G security; Access security for IP-based services	5.5.0	Rel-5	S3	BOMAN, Krister	
TS	33.210	3G security; Network Domain Security (NDS); IP network layer security	5.3.0	Rel-5	S3	KOIEN, Geir	2001-05-24: 33.200 split into MAP (33.200) and IP (33.210).
TS	34.109	Terminal logical test interface; Special conformance testing functions	5.3.0	Rel-5	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	34.123-1	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	5.3.0	Rel-5	T1	SALMERON, Lidia	
TS	34.123-2	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	5.3.0	Rel-5	T1	HU, Shicheng	
TS	34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	5.3.0	Rel-5	R4	SOERENSEN, Ole	T1->R4@TSG#10
TR	34.926	Table of international EMC requirements	5.0.0	Rel-5	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	5.0.0	Rel-5	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	5.0.0	Rel-5	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	5.0.0	Rel-5	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	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	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	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE. 2002-06: clarified that deliverable is TS not TR.
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	5.0.0	Rel-5	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	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
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	5.0.0	Rel-5	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	5.0.0	Rel-5	S3	WALKER, Michael	ex SAGE
TR	41.031	Fraud Information Gathering System (FIGS); Service requirements; Stage 0	5.0.0	Rel-5	S3	WRIGHT, Tim	
TR	41.033	Lawful Interception requirements for GSM	5.0.0	Rel-5	S3	MCKIBBEN, Bernie	
TS	41.103	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	5.3.0	Rel-5	SP	MEREDITH, John M	post-SP-19: title changed to align with 01.01
TS	42.019	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1	5.0.0	Rel-5	T3	DIETRICH, Christian	TP-17: From Rel-6, transferred to ETSI TS 102 240.
TS	42.033	Lawful Interception; Stage 1	5.0.0	Rel-5	S3	MCKIBBEN, Bernie	
TS	42.043	Support of Localised Service Area (SoLSA); Service description; Stage 1	5.0.0	Rel-5	S1	KOKKOLA, Tommi	Was 22.043 at Rel99.
TS	42.056	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1	5.0.0	Rel-5	S1	GALLIGO, Michel	
TS	42.068	Voice Group Call Service (VGCS); Stage 1	5.0.1	Rel-5	S1	GILES, Les	
TS	42.069	Voice Broadcast Service (VBS); Stage 1	5.0.1	Rel-5	S1	GILES, Les	
TR	43.005	Technical performance objectives	5.0.0	Rel-5	NP	BOSWARTHICK, David	
TS	43.010	GSM Public Land Mobile Network (PLMN) connection types	5.2.0	Rel-5	N3	BOSWARTHICK, David	
TS	43.013	Discontinuous Reception (DRX) in the GSM system	5.0.0	Rel-5	G1	USAI, Paolino	
TS	43.019	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	5.6.0	Rel-5	T3	DIETRICH, Christian	For test spec, see 51.013.
TS	43.020	Security-related network functions	5.0.0	Rel-5	S3	GILBERT, Henri	
TS	43.022	Functions related to Mobile Station (MS) in idle mode and group receive mode	5.1.0	Rel-5	G1	HOWELL, Andrew	Moved from SMG3 Jan 2000.
TR	43.026	Multiband operation of GSM / DCS 1800 by a single operator	5.0.1	Rel-5	G1	ANDERSEN, Niels Peter Skov	
TR	43.030	Radio network planning aspects	5.1.0	Rel-5	G1	TEGTH, Ulf	
TS	43.033	Lawful Interception; Stage 2	5.0.0	Rel-5	S3	MCKIBBEN, Bernie	
TS	43.045	Technical Realization of Facsimile Group 3 Service - transparent	5.0.0	Rel-5	N3	BOSWARTHICK, David	
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	5.8.0	Rel-5	G1	SÉBIRE, Guillaume	Originally created as 03.51r00
TS	43.052	Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2	5.0.0	Rel-5	G1	GIRAUD, Alexis	
TS	43.055	Dual Transfer Mode (DTM); Stage 2	5.0.0	Rel-5	G1	CARRIZO MARTINEZ, Jose Luis	
TR	43.058	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	5.0.0	Rel-5	S4	MONFORT, Jean-Yves	
TS	43.059	Functional stage 2 description of Location Services (LCS) in GERAN	5.3.0	Rel-5	G1	LIVINGSTON, Margaret	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	43.064	Overall description of the GPRS radio interface; Stage 2	5.0.0	Rel-5	G1	LEPPISAARI, Arto	
TS	43.068	Voice Group Call Service (VGCS); Stage 2	5.2.0	Rel-5	N1	GARAPATY, Sonia	
TS	43.069	Voice Broadcast service (VBS); Stage 2	5.2.0	Rel-5	N1	GARAPATY, Sonia	
TS	43.073	Support of Localised Service Area (SoLSA); Stage 2	5.0.0	Rel-5	N4	KYMALAINEN, Kimmo	SP-16: derived from 23.073 on reversion to GERAN-only service.
TS	43.130	Iur-g interface; Stage 2	5.0.0	Rel-5	G1	CARRIZO MARTINEZ, Jose Luis	Created identical to last version of 43.930. Also moved from G2 to G1.
TS	44.001	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	5.0.0	Rel-5	N1	ANDERSEN, Niels Peter Skov	
TS	44.003	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	44.004	Layer 1 - General Requirements	5.2.0	Rel-5	G2	ISAACS, Ken	
TS	44.005	Data Link (DL) Layer General Aspects	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	44.006	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	5.0.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	44.012	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	Rel-4 onwards. (Rel-99 was 24.012)
TS	44.013	Performance Requirements on Mobile Radio Interface	5.0.0	Rel-5	N1	PUDNEY, Chris	
TS	44.014	Individual equipment type requirements and interworking; Special conformance testing functions	5.1.0	Rel-5	G2	HOWELL, Andrew	
TS	44.018	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	5.9.0	Rel-5	G2	HOWELL, Andrew	
TS	44.021	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	5.2.0	Rel-5	N3	RÄSÄNEN, Juha	
TS	44.031	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	5.5.0	Rel-5	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	5.0.1	Rel-5	G2	GARAPATY, Sonia	
TS	44.056	GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification	5.0.0	Rel-5	N1	HUPPERICH, Peter	
TS	44.057	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	5.0.0	Rel-5	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	5.5.0	Rel-5	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	44.064	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	5.1.0	Rel-5	N1	DOIG, Ian	
TS	44.065	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	5.0.0	Rel-5	N1	DOIG, Ian	24.065 existed, but scrapped since 04.65 is GSM only.
TS	44.068	Group Call Control (GCC) Protocol	5.0.1	Rel-5	N1	GARAPATY, Sonia	
TS	44.069	Broadcast Call Control (BCC) protocol	5.0.0	Rel-5	N1	GARAPATY, Sonia	
TS	44.071	Location Services (LCS); Mobile radio interface layer 3 LCS specification	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	44.118	Mobile radio interface layer 3 specification, Radio Resource Control (RRC) protocol Iu mode	5.3.0	Rel-5	G2	VIRTEJ, Iuliana	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	44.160	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol for Iu mode	5.3.0	Rel-5	G2	N, A	Created GP-08; see GP-020483. 2002-07-18: G1->G2.
TR	44.901	External network assisted cell change (NACC)	5.1.0	Rel-5	G2	BACKLUND, Ingemar	
TS	45.001	Physical layer on the radio path; General description	5.5.0	Rel-5	G1	JOKINEN, Harri	
TS	45.002	Multiplexing and Multiple Access on the Radio Path	5.8.0	Rel-5	G1	SÉBIRE, Benoist	
TS	45.003	Channel coding	5.6.0	Rel-5	G1	SÉBIRE, Benoist	
TS	45.004	Modulation	5.1.0	Rel-5	G1	SÉBIRE, Benoist	
TS	45.005	Radio transmission and reception	5.7.0	Rel-5	G1	SAMUELSSON, Mats	
TS	45.008	Radio subsystem link control	5.9.0	Rel-5	G1	EL-SAIGH, Amer	
TS	45.009	Link adaptation	5.5.0	Rel-5	G1	ANDERSEN, Niels Peter Skov	
TS	45.010	Radio subsystem synchronization	5.2.0	Rel-5	G1	JOKINEN, Harri	
TR	45.022	Radio link management in hierarchical networks	5.0.0	Rel-5	G1	VAN BUSSEL, Han	
TR	45.050	Background for RF Requirements	5.0.1	Rel-5	G1	ANDERSEN, Niels Peter Skov	
TS	45.056	CTS-FP Radio Sub-system	5.0.0	Rel-5	G1	USAI, Paolino	
TS	46.001	Full Rate Speech Processing Functions	5.0.0	Rel-5	S4	USAI, Paolino	
TS	46.002	Half Rate Speech Processing Functions	5.0.0	Rel-5	S4	AFTELAK, Steve	
TS	46.006	Half-rate speech: ANSI-C code for GSM half-rate speech codec	5.0.0	Rel-5	S4	AFTELAK, Steve	
TS	46.007	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec	5.0.0	Rel-5	S4	AFTELAK, Steve	
TR	46.008	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	5.0.0	Rel-5	S4	SALEM, Tarek	
TS	46.010	Full-rate speech transcoding	5.0.0	Rel-5	S4	LORENZ, Dietmar	
TS	46.011	Substitution and Muting of Lost Frames for Full Rate Speech Channels	5.0.0	Rel-5	S4	NAVARRO, William	
TS	46.012	Comfort Noise Aspects for Full Rate Speech Traffic Channels	5.0.0	Rel-5	S4	SERENO, Daniele	
TS	46.020	Half Rate Speech Transcoding	5.0.0	Rel-5	S4	AFTELAK, Steve	
TS	46.021	Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels	5.0.0	Rel-5	S4	AFTELAK, Steve	
TS	46.022	Comfort Noise Aspects for Half Rate Speech Traffic Channels	5.0.0	Rel-5	S4	AFTELAK, Steve	
TS	46.031	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	5.0.0	Rel-5	S4	USAI, Paolino	
TS	46.032	Voice Activity Detection (VAD)	5.0.0	Rel-5	S4	BARRETT, Paul	
TS	46.041	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels	5.0.0	Rel-5	S4	USAI, Paolino	
TS	46.042	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels	5.0.0	Rel-5	S4	BARRETT, Paul	
TS	46.051	GSM Enhanced full rate speech processing functions: General description	5.0.0	Rel-5	S4	JÄRVINEN, Kari	
TS	46.053	ANSI-C code for the GSM Enhanced full rate speech codec	5.0.0	Rel-5	S4	JÄRVINEN, Kari	
TS	46.054	Test sequences for the GSM Enhanced Full Rate (EFR)	5.0.0	Rel-5	S4	JÄRVINEN, Kari	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TR	46.055	Performance characterisation of the GSM EFR Speech Codec	5.0.0	Rel-5	S4	SALEM, Tarek	
TS	46.060	Enhanced full rate speech transcoding	5.0.0	Rel-5	S4	JÄRVINEN, Kari	
TS	46.061	Substitution and muting of lost frames for encanced full rate speech traffic channels	5.0.0	Rel-5	S4	JÄRVINEN, Kari	
TS	46.062	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	5.0.0	Rel-5	S4	JÄRVINEN, Kari	
TS	46.081	Discontinuous Transmission (DTX) for encanced full rate speech traffic channels	5.0.0	Rel-5	S4	JÄRVINEN, Kari	
TS	46.082	Voice Activity Detection (VAD) for encanced full rate speech traffic channels	5.0.0	Rel-5	S4	JÄRVINEN, Kari	
TR	46.085	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation	5.0.0	Rel-5	S4	USAI, Paolino	
TS	48.001	General Aspects on the BSS-MSC Interface	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	48.002	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	5.1.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	48.004	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	48.006	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	48.008	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	5.8.0	Rel-5	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	5.0.1	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	5.6.0	Rel-5	G2	BLACK, Jyoti	
TS	48.020	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	5.2.0	Rel-5	N3	RÄSÄNEN, Juha	
TS	48.031	Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification	5.0.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	48.051	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	48.052	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	48.054	Base Station Controller - Base Transceiver Station (BSC - BTS) interface; Layer 1 structure of physical circuits	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	48.056	Base Station Controller - Base Transceiver Station (BSC - BTS) interface; Layer 2 specification	5.0.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	48.058	Base Station Controler - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	5.6.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	48.060	In-band control of remote transcoders and rate adaptors for full rate traffic channels	5.2.0	Rel-5	G1	ANDERSEN, Niels Peter Skov	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
TS	48.061	In-band control of remote transcoders and rate adaptors for half rate traffic channels	5.0.0	Rel-5	G1	ANDERSEN, Niels Peter Skov	2002-01-30 (GP chair, G1 secretary, G2 secretary) Ownership change G2 -> G1.
TS	48.071	Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3 specification	5.0.1	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TR	49.001	General network interworking scenarios	5.0.0	Rel-5	N4	KYMALAINEN, Kimmo	
TS	49.008	Application of the Base Station System Application Part (BSSAP) on the E-Interface	5.1.0	Rel-5	N1	FARHOUMAND, Rouzbeh	
TS	49.031	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	5.3.0	Rel-5	G2	ANDERSEN, Niels Peter Skov	
TS	51.010-1	Mobile Station (MS) conformance specification; Part 1: Conformance specification	5.2.1	Rel-5	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	5.2.0	Rel-5	G5	HU, Shicheng	2001-11-19: G4->G5.
TS	51.021	GSM radio aspects base station system equipment specification	5.2.0	Rel-5	G3	BUSIN, Ake	
TS	51.026	GSM Repeater Equipment Specification	5.0.0	Rel-5	G3	BUSIN, Ake	
TS	52.021	Network Management (NM) Procedures and messages on the A-bis interface	5.0.0	Rel-5	G3	TRUSS, Michael	
TS	52.402	Telecommunication management; Performance Management (PM); Performance measurements - GSM	5.0.0	Rel-5	S5	TOCHE, Christian	SP-13: replaces 32.402.

D.4.1 Release 5 3GPP Specifications and reports not under change control

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TR	21.877	Radio optimization impacts on the Packet Switched (PS) domain architecture	0.7.0	Rel-5	S2	LAUTIER, Laurence	
TS	23.240	3GPP generic user profile requirements; Stage 2; Architecture	1.0.0	Rel-5	S2	UZQUIANO, Nacho	Cf work item 'Generic user profile"
TR	23.955	Virtual Home Environment (VHE) concepts	0.1.0	Rel-5	S2	SULTAN, Alain	
TR	25.856	High Speed Downlink Packet Access (HSDPA); Layer 2 and 3 aspects	none	Rel-5	R2	KUCHIBHOTLA, Ravi	
TR	25.857	UE positioning enhancements	none	Rel-5	R2	BECKMANN, Mark	
TR	25.867	Feasibility study for wideband distribution systems in 3rd generation networks	1.0.0	Rel-5	R4	MATARASSO, Carlo	
TR	25.869	Transmitter diversity solutions for multiple antennas	1.0.2	Rel-5	R1	KIM, Sung-Jin	
TR	25.876	Multiple-Input Multiple-Output Antenna Processing for HSDPA	1.1.0	Rel-5	R1	HUANG, Howard	
TR	25.890	High Speed Downlink Packet Access (HSDPA); User Equipment (UE) radio transmission and reception (FDD)	1.0.0	Rel-5	R4	FERNANDES, Edgar	
TR	25.893	Radio access bearer scenarios	none	Rel-5	R2	MIKOLA, Juha	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TR	25.994	Measures employed by the UMTS Radio Access Network (UTRAN) to overcome early User Equipment (UE) implementation faults	0.0.0	Rel-5	RP	COURAU, François	
TR	25.995	Measures employed by the UMTS Radio Access Network (RAN) to cater for legacy User Equipment (UE) which conforms to superseded versions of the RAN interface specification	0.0.1	Rel-5	RP	COURAU, François	
TR	26.937	Transparent end-to-end packet switched streaming service (PSS); RTP usage model	1.4.0	Rel-5	S4	VARSA, Viktor	
TS	31.048	Test specification for security mechanisms for the (U)SIM application toolkit	none	Rel-5	T3	VIALLET, Sophie	Test spec for 23.048.
TS	33.201	Access domain security	none	Rel-5	S3	POPE, Maurice	
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	43.900	Support for voice optimization for the IMS in the GERAN	none	Rel-5	G1	GUARINO, Bernard	2002-09-03: Transferred from G2 to G1.
TS	51.013	Test specification for SIM API for Java card	none	Rel-5	T3	LLOBREGAT, Fernando	

D.5 Release 6 3GPP Specifications and reports

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TR	21.905	Vocabulary for 3GPP Specifications	6.2.0	Rel-6	S1	ZARRI, Michele	
TS	22.011	Service accessibility	6.0.0	Rel-6	S1	GALLAIRE, Jean Paul	Transfer>TSG#4
TS	22.060	General Packet Radio Service (GPRS); Service description; Stage 1	6.0.0	Rel-6	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	6.0.0	Rel-6	S1	CLAYTON, Michael	Transfer>TSG#4
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	6.0.0	Rel-6	S1	SWETINA, Joerg	Transfer>TSG#4
TS	22.071	Location Services (LCS); Stage 1	6.3.0	Rel-6	S1	WOHLERT, Randolph	Transfer>TSG#4
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	6.1.0	Rel-6	S1	GRECH, Michel	
TS	22.101	Service aspects; Service principles	6.3.0	Rel-6	S1	DWYER, Paul	
TS	22.105	Services and service capabilities	6.1.0	Rel-6	S1	EVEN, Anne	
TS	22.115	Service Aspects Charging and billing	6.0.0	Rel-6	S1	MONTEGROSSO, Emanuele	
TS	22.127	Service Requirement for the Open Services Access (OSA); Stage 1	6.2.0	Rel-6	S1	SWETINA, Joerg	
TS	22.129	Handover requirements between UTRAN and GERAN or other radio systems	6.0.0	Rel-6	S1	SAMPSON, Nick	
TS	22.140	Multimedia Messaging Service (MMS); Stage 1	6.1.0	Rel-6	S1	LAUMEN, Josef	(development in T2)
TS	22.141	Presence service; Stage 1	6.2.0	Rel-6	S1	WOHLERT, Randolph	
TS	22.146	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	6.2.0	Rel-6	S1	JARVIS, Andre	Replaces 22.946. Note that stage 2 is 23.246.
TS	22.174	Push service; Stage 1	6.2.0	Rel-6	S1	WOLAK, Stephen	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	22.228	Service requirements for the Internet Protocol (IP) multimedia core network subsystem; Stage 1	6.2.0	Rel-6	S1	CATALDO, Mark	
TS	22.233	Transparent end-to-end packet-switched streamng service; Stage 1	6.2.0	Rel-6	S1	WOLAK, Stephen	
TS	22.242	Digital Rights Management (DRM); Stage 1	6.2.0	Rel-6	S1	WOOD, Nicholas	SP-18: Stages 2 & 3 to be done by OMA.
TS	22.243	Speech recognition framework for automated voice services; Stage 1	6.2.0	Rel-6	S1	WILLIAMS, David Hugh	
TS	22.250	IP Multimedia Subsystem (IMS) Group Management; Stage 1	6.0.0	Rel-6	S1	KALLIOKULJU, Juha	
TS	22.340	IP Multimedia Subsystem (IMS) messaging; Stage 1	6.1.0	Rel-6	S1	KALLIOKULJU, Juha	2002-10-08: created from 22.940.
TR	22.857	Run-time independent framework feasibility study	6.0.0	Rel-6	T2	WOODWARD, Ernest	
TR	22.934	Feasibility study on 3GPP system to Wireles Local Area Network (WLAN) interworking	6.1.0	Rel-6	S1	PAINT, Frédéric	
TR	22.940	IP Multimedia Subsystem (IMS) messaging; Stage 1	6.0.0	Rel-6	S1	KALLIOKULJU, Juha	2002-10-08: -> 22.340. This TR to be withdrawn at SP-18. SP-18: No! In fact, unwithdrawn and approved!
TR	22.950	Priority service feasibility study	6.2.0	Rel-6	S1	GARRAHAN, James	Additional rapporteur: B Pramanik (Telcordia).
TR	22.951	Service aspects and requirements for network sharing	6.1.0	Rel-6	S1	ZARRI, Michele	
TR	22.977	Feasibility study for speech-enabled services	6.0.0	Rel-6	S1	ZARRI, Michele	
TS	23.002	Network architecture	6.0.1	Rel-6	S2	SULTAN, Alain	Transfer>TSG#4,CR at TSG#5
TS	23.011	Technical realization of Supplementary Services	6.0.0	Rel-6	N4	CONRAD, Alan	
TS	23.016	Subscriber data management; Stage 2	6.0.0	Rel-6	N4	WIEHE, Ulrich	
TS	23.040	Technical realization of Short Message Service (SMS)	6.0.1	Rel-6	T2	HARRIS, Ian	
TS	23.041	Technical realization of Cell Broadcast Service (CBS)	6.1.0	Rel-6	T2	HARRIS, Ian	Transfer>TSG#4
TS	23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	6.1.0	Rel-6	T2	BRENK, Lars	Apr-2001: " Station Application" removed from title.
TS	23.060	General Packet Radio Service (GPRS) Service description; Stage 2	6.0.0	Rel-6	S2	ZHAO, Yilin	Transfer>TSG#4
TS	23.067	Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2	6.0.0	Rel-6	N4	SCHMITT, Peter	
TS	23.088	Call Barring (CB) Supplementary Service; Stage 2	6.0.0	Rel-6	N4	WIEHE, Ulrich	
TS	23.127	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2	6.0.0	Rel-6	S2	GOURRAUD, Christophe	Sept 00: "Open Service Architecture" removed from title.
TS	23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2	6.1.0	Rel-6	T2	LAUMEN, Josef	
TR	23.141	Presence service; Architecture and functional description; Stage 2	6.2.0	Rel-6	S2	MAANSAARI, Kirsi	
TS	23.221	Architectural requirements	6.0.0	Rel-6	S2	DANIEL, Elizabeth	Derived from R99-specific 23.121
TS	23.228	IP Multimedia Subsystem (IMS); Stage 2	6.1.0	Rel-6	S2	TOWLE, Thomas	
TS	23.271	Location Services (LCS); Functional description; Stage 2	6.3.0	Rel-6	S2	KÅLL, Jan	post-TSG#8: Recombined 2G and 3G spec for R00 onwards.
TR	23.841	Presence service architecture	6.0.0	Rel-6	S2	MAANSAARI, Kirsi	
TR	23.846	Multimedia Broadcast/Multicast Service (MBMS); Stage 2	6.1.0	Rel-6	S2	JARVIS, Andre	This is a preparatory report which may result in the creation of a stage 2 TS 23.246.
TR	23.895	Provision of UE specific behaviour information to network entities	6.1.0	Rel-6	S2	PUDNEY, Chris	
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	6.0.0	Rel-6	N1	HOWELL, Andrew	CR correction produced 3.0.1, CR at TSG#5. Outstanding issues not expected to be resolved till Jun00.
TS	24.088	Call Barring (CB) Supplementary Service; Stage 3	6.0.0	Rel-6	N4	WIEHE, Ulrich	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	25.101	UE Radio transmission and reception (FDD)	6.0.0	Rel-6	R4	FERNANDES, Edgar	
TS	25.104	UTRA (BS) FDD; Radio transmission and reception	6.1.0	Rel-6	R4	SKÖLD, Johan	
TS	25.133	Requirements for support of radio resource management (FDD)	6.1.0	Rel-6	R4	GUERRINI, Claudio	
TS	25.141	Base station conformance testing (FDD)	6.1.0	Rel-6	R4	NAKAMURA, Takaharu	
TS	25.401	UTRAN overall description	6.0.0	Rel-6	R3	CALMEL, Jean-Marie	Approval at TSG#5
TS	25.450	UTRAN Iupc interface general aspects and principles	6.0.0	Rel-6	R3	LIN, Ie-Hong	
TS	25.452	UTRAN Iupc interface: signalling transport	6.0.0	Rel-6	R3	LIN, Ie-Hong	
TS	25.453	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	6.0.0	Rel-6	R3	LIN, Ie-Hong	
TR	25.942	RF system scenarios	6.0.0	Rel-6	R4	BENABDALLAH, Nadia	Additional rapporteur = A.De Pasquale.
TR	25.951	Base Station classification (FDD)	6.0.0	Rel-6	R4	SÄYNÄJÄKANGAS, Tuomo	
TR	25.993	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	6.1.0	Rel-6	R2	FAUCONNIER, Denis	
TS	26.093	AMR speech Codec; Source Controlled Rate operation	6.0.0	Rel-6	S4	EKUDDEN, Erik	Transfer>TSG#4
TS	27.007	AT command set for 3G User Equipment (UE)	6.2.0	Rel-6	T2	CHRISTENSEN, Soren	
TS	29.002	Mobile Application Part (MAP) specification	6.1.0	Rel-6	N4	WIEHE, Ulrich	
TS	29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	6.0.0	Rel-6	N4	KYMALAINEN, Kimmo	
TS	31.101	UICC-terminal interface; Physical and logical characteristics	6.1.0	Rel-6	T3	VESTERGAARD, Peter	Contents is a reference to ETSI TR 102 221.
TS	31.102	Characteristics of the USIM Application	6.1.0	Rel-6	T3	HEIM, Christian	
TS	31.103	Characteristics of the IP Multimedia Services Identity Module (ISIM) application	6.1.0	Rel-6	T3	N, A	
TS	31.113	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter byte codes	6.2.0	Rel-6	T3	N, A	
TS	31.115	Secured packet structure for (Universal) Subscriber Identity Module (U)SIM Toolkit applications	6.2.0	Rel-6	T3	VIALLET, Sophie	additional rapporteur: Florence Martin.
TS	31.116	Remote APDU Structure for (Universal) Subscriber Identity Module (U)SIM Toolkit applications	6.3.0	Rel-6	T3	VIALLET, Sophie	additional rapporteur: Florence Martin
TS	31.131	C-language binding for (Universal) Subscriber Identity Module ((U)SIM) API	6.1.0	Rel-6	T3	TON, Wim	Test spec is 34.131.
TS	32.140	Telecommunication management; Services operations management; Subscription management requirements	6.0.0	Rel-6	S5	EDER, Michael	
TS	32.421	Telecommunication management; Subscriber and equipment trace: Trace concepts and requirements	6.1.0	Rel-6	S5	KORINEK, Frank	
TS	32.661	Telecommunication management; Configuration Management (CM); Kernel CM requirements	6.0.0	Rel-6	S5	TOVINGER, Thomas	
TS	32.662	Telecommunication management; Configuration Management (CM); Kernel CM information service	6.0.0	Rel-6	S5	TOVINGER, Thomas	
TS	32.663	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	6.0.0	Rel-6	S5	PAL, Tapinder	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	32.664	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	6.0.0	Rel-6	S5	POLLAKOWSKI, Olaf	
TS	33.108	3G security; Handover interface for Lawful Interception (LI)	6.1.0	Rel-6	S3	WILHELM, Berthold	2001-12-04 Title changed from "Lawful Interception; Interface between core network and law agency equipment" (Berthold.Wilhelm@RegTP.de).
TS	33.210	3G security; Network Domain Security (NDS); IP network layer security	6.1.0	Rel-6	S3	KOIEN, Geir	2001-05-24: 33.200 split into MAP (33.200) and IP (33.210).
TR	33.810	3G Security; Network Domain Security / Authentication Framework (NDS/AF); Feasibility Study to support NDS/IP evolution	6.0.0	Rel-6	S3	N, A	2002-07-22: was formerly 33.910.
TS	34.131	Test specification for C-language binding for (U)SIM API	6.0.0	Rel-6	T3	GUTHERY, Scott B.	Base spec is 31.131.
TS	43.022	Functions related to Mobile Station (MS) in idle mode and group receive mode	6.0.0	Rel-6	G1	HOWELL, Andrew	Moved from SMG3 Jan 2000.
TS	43.055	Dual Transfer Mode (DTM); Stage 2	6.0.0	Rel-6	G1	CARRIZO MARTINEZ, Jose Luis	
TS	44.018	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	6.1.0	Rel-6	G2	HOWELL, Andrew	
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	6.1.0	Rel-6	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	45.001	Physical layer on the radio path; General description	6.0.0	Rel-6	G1	JOKINEN, Harri	
TS	45.002	Multiplexing and Multiple Access on the Radio Path	6.0.0	Rel-6	G1	SÉBIRE, Benoist	
TS	45.005	Radio transmission and reception	6.1.0	Rel-6	G1	SAMUELSSON, Mats	
TS	45.008	Radio subsystem link control	6.1.0	Rel-6	G1	EL-SAIGH, Amer	
TR	45.050	Background for RF Requirements	6.0.0	Rel-6	G1	ANDERSEN, Niels Peter Skov	
TR	45.811	Uplink - Time Difference Of Arrival (U-TDOA) in GSM and GPRS	6.0.0	Rel-6	G1	GROSS, Robert	Renumbered from 41.811.
TS	48.008	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	6.1.0	Rel-6	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	6.0.0	Rel-6	G2	BLACK, Jyoti	
TS	51.021	GSM radio aspects base station system equipment specification	6.0.0	Rel-6	G3	BUSIN, Ake	
TS	55.205	Specification of the GSM-MILENAGE algorithms: An example algorithm set for the GSM Authentication and Key Generation Functions A3 and A8	6.0.0	Rel-6	S3	WALKER, Michael	Not subject to export control.
TS	55.216	Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEA3 encryption algorithm for GPRS; Document 1: A5/3 and GEA3 specification	6.1.0	Rel-6	S3	N, A	
TS	55.217	Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEA3 encryption algorithm for GPRS; Document 2: Implementors' test data	6.1.0	Rel-6	S3	N, A	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	55.218	Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEA3 encryption algorithm for GPRS; Document 3: Design and conformance test data	6.1.0	Rel-6	S3	N, A	
TR	55.919	Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEA3 encryption algorithm for GPRS; Document 4: Design and evaluation report	6.1.0	Rel-6	S3	N, A	

D.6 Other 3GPP Specifications and reports to be allocated to (or identified for) Release 6 (TBC)

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	21.104	3rd Generation mobile system Release 6 specifications	none	Rel-6	SP	MEREDITH, John M	
TS	22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	none	Rel-6	S1	CARPENTER, Paul	Transfer>TSG#4
TS	22.177	Speech-enabled services; Stage 1	none	Rel-6	S1	ZARRI, Michele	Spec number reserved; production depends on results of feasibility study (22.977).
TS	22.240	Service requirements for 3GPP Generic User Profile (GUP); Stage 1	none	Rel-6	S1	AMERY, Paul	Cf work item 'Generic user profile"
TR	22.800	IP Multimedia Subsystem (IMS) subscription and access scenarios	1.0.0	Rel-6	S1	FRANK, Robert	
TS	23.174	Push service; stage 2	none	Rel-6	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	23.195	Provision of UE specific behaviour information to network entities	1.0.0	Rel-6	S2	PUDNEY, Chris	Created as a result of 23.895.
TS	23.234	3GPP system to Wireles Local Area Network (WLAN) interworking; Functional and architectural definition	1.6.0	Rel-6	S2	N, A	
TS	23.241	3GPP Generic User Profile (GUP) requirements; Stage 2; Data description framework	0.3.0	Rel-6	T2	HOLOUBEK, Kevin J.	Cf work item 'Generic user profile"
TR	23.864	Commonality and interoperability between IP Multimedia System (IMS) core networks	0.5.0	Rel-6	S2	BERTENYI, Balazs	Was briefly 23.964.
TR	23.867	Internet Protocol (IP) based IP Multimeida Subsystem (IMS) emergency sessions	0.0.0	Rel-6	S2	POIKSELKA, Miikka	2003-04-02 Raooirteur: Intention is to transfer this material into 23.002, 23.060 and 23.228.
TR	23.917	Dynamic policy control enhancements for End to end Quality of Service (QoS); Feasibility study	0.6.0	Rel-6	S2	MOUSSET, Claire	Work Item: SP-020140
TR	23.934	3GPP system to Wireless Local Area Network (WLAN) interworking; Functional and architectural definition	1.0.0	Rel-6	S2	PAINT, Frédéric	
TR	23.976	Push architecture	0.2.0	Rel-6	S2	YOON, Sang-Ui	2003-02-04: 23.876 -> 23.976
TS	24.241	3GPP Generic User Profile (GUP) requirements; Stage 3; Access; Common objects	0.3.0	Rel-6	T2	HOLOUBEK, Kevin J.	Cf work item 'Generic user profile" - may be renumbered to 27.241
TR	24.841	Presence service based on Session Initiation Protocol (SIP); Functional models, information flows and protocol details	0.5.0	Rel-6	N1	DRAGE, Keith	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	25.346	Introduction of Multimedia Broadcast/Multicast Service (MBMS) in the Radio Access Network (RAN)	1.3.0	Rel-6	R2	KOULAKIOTIS, Dimitris	
TR	25.801	Feasibility study for improved access to User Equipment (UE) measurement data for Controlling Radio Network Controller (CRNC) to support Time Division Duplex (TDD) Radio Resource Management (RRM)	none	Rel-6	R3	MILLER, James	
TR	25.887	Beamforming	none	Rel-6	R1	KAHTAVA, Jussi	
TR	25.888	Improvement of inter frequency and inter system measurement for 1,28 Mcps TDD	1.1.0	Rel-6	R1	LI, Xiaoqiang	
TR	25.889	Viable deployment of UTRA in additional and diverse spectrum arrangements; Feasibility study	1.2.1	Rel-6	R4	STAHLFJALL, Peter	
TR	25.891	Improvement of Radio Resource Management (RRM) across RNS and RNS/BSS post-Rel-5	0.3.0	Rel-6	R3	HWANG, Woonhee	
TR	25.892	Analysis of OFDM for UTRAN enhancement	0.2.0	Rel-6	R1	BOUMENDIL, Sarah	
TR	25.894	Enhanced UE positioning using software blanking	none	Rel-6	R2	BARTLETT, David	
TR	25.895	Analysis of higher chip rates for UTRA TDD evolution	1.0.0	Rel-6	R1	BEALE, Martin	
TR	25.896	Uplink enhancements for dedicated transport channels	none	Rel-6	R1	RANTA-AHO, Karri	
TR	25.897	Feasibility study on the evolution of UTRAN architecture	0.1.1	Rel-6	R3	HWANG, Woonhee	
TR	25.898	Power control enhancements for UTRA	none	Rel-6	R1	MITRA, Diptendu	
TR	25.899	HSDPA enhancements	none	Rel-6	R1	FUKUI, Noriyuki	
TR	25.992	Multimedia Broadcast/Multicast Service (MBMS); UTRAN/GERAN requirements	1.3.0	Rel-6	RP	KOULAKIOTIS, Dimitris	
TR	25.996	Spacial channel model for Multiple Input Multiple Output (MIMO) simulations	1.0.0	Rel-6	R1	HUANG, Howard	
TS	26.234	Transparent end-to-end transparent streaming service; Protocols and codecs	none	Rel-6	S4	FRANCESCHI, Olle	
TS	26.244	Transparent end-to-end transparent streaming service; 3GPP file format (3GP)	0.1.3	Rel-6	S4	FRANCESCHI, Olle	
TS	26.245	Transparent end-to-end transparent streaming service; Timed text format	0.3.1	Rel-6	S4	FRANCESCHI, Olle	
TS	26.246	Transparent end-to-end transparent Packet-switched Streaming Service (PSS); 3GPP SMIL language profile	0.0.1	Rel-6	S4	GRASSEL, Guido	Created S4-25bis. See S4-030135.
TS	29.162	Interworking between the IM CN subsystem and IP networks	none	Rel-6	N3	HOLLAND, Nigel	
TS	29.163	Interworking between the IM CN subsystem and CS networks	1.5.0	Rel-6	N3	SANDERS, David	
TS	29.200	Signalling System No. 7; Mobile Application Part (MAP); Security signalling flows for the Ze interface	none	Rel-6	N4	JANSSON, Jari	Work item description in N4-021258.
TS	29.234	3GPP system to Wireless Local Area Network (WLAN) interworking; Stage 3	none	Rel-6	N4	RODRIGUEZ, Raquel	Work Item = "WLAN Interworking – stage 3 definition of WLAN – 3GPP interworking", see N4-030221 (né N4-030157)
TS	29.240	Generic User Profile (GUP); Stage 3; Network	none	Rel-6	N4	KYMALAINEN, Kimmo	Cf work item 'Generic user profile" - may be renumbered to 27.241
TS	29.332	Media Gateway Control Function (MGCF) - IM Media Gateway (IM-MGW) Mc interface; Stage 3	none	Rel-6	N4	SCHMITT, Peter	2002-05-30: Created in response to proposed new WI in N4-020773.
TS	29.333	Multimedia Resource Function Controller (MRFC) - Multimedia Resource Function Processor (MRFP) Mp interface; Stage 3	none	Rel-6	N4	SANDERS, David	
TR	29.846	Multimedia Broadcast/Multicast Service (MBMS); CN1 procedure description	none	Rel-6	N1	HOBBIS, Kevan	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TR	29.962	Signalling interworking between the 3GPP profile of the Session Initiation Protocol (SIP) and non-3GPP SIP usage	1.1.0	Rel-6	N3	BELLING, Thomas	
TR	29.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults	none	Rel-6	N1	ANDERSEN, Niels Peter Skov	2002-05-02 (Hietalahti): Anticipate each old Release as null document pointing to latest Release version.
TR	30.531	Work Plan and Study Items - RAN WG3	0.9.3	Rel-6	R3	KRAUSE, Joern	
TS	31.114	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter protocol and administration	none	Rel-6	T3	MEYER, Michael	
TS	32.141	Telecommunication management; Services operations management; Subscription management architecture	1.0.0	Rel-6	S5	EDER, Michael	
TS	32.150	Telecommunication management; User Equipment Management (UEM); UEM requirements and architecture; Stages 1 and 2	none	Rel-6	S5	MUDGE, John	Justification: see SP-020608. Stage 3: see 27.150.
TS	32.411	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Requirements	1.0.0	Rel-6	S5	HÜBINETTE, Ulf	
TS	32.412	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Information services	none	Rel-6	S5	TOCHE, Christian	
TS	32.413	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	none	Rel-6	S5	TOCHE, Christian	
TS	32.422	Telecommunication management; Subscriber and equipment trace: Trace control and Configuration Management	none	Rel-6	S5	RAO, Mohan	
TS	32.423	Telecommunication management; Subscriber and equipment trace: Trace data definition and management	none	Rel-6	S5	TOCHE, Christian	
TS	32.681	Telecommunication management; Inventory management; Inventory management Integration Reference Point (IRP): Requirements	none	Rel-6	S5	PAL, Tapinder	
TS	32.682	Telecommunication management; Inventory management; Inventory management Integration Reference Point (IRP): Information service	none	Rel-6	S5	PAL, Tapinder	
TS	32.683	Telecommunication management; Inventory management; Inventory management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	none	Rel-6	S5	PAL, Tapinder	
TS	32.684	Telecommunication management; Inventory management; Inventory management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	none	Rel-6	S5	PAL, Tapinder	
TS	33.234	3G security; Wireless Local Area Network (WLAN) interworking security	0.1.0	Rel-6	S3	LOPEZ SORIA, Luis	
TS	33.246	3G Security; Security of Multimedia Broadcast/Multicast Service (MBMS)	0.0.1	Rel-6	S3	ESCOTT, Adrian	
TS	41.104	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	none	Rel-6	SP	MEREDITH, John M	post-SP-19: title changed to align with 01.01
TR	45.902	Flexible layer 1	1.0.0	Rel-6	G1	SÉBIRE, Benoist	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TR	50.099	GERAN project plan and open issues	0.1.6	Rel-6	GP	BLADSJO, David	2002-01-23: Usai indicates "stopped". GP-08: But it won't lie down. Resuscitate as Rel-5. GP-12: Rel-5 frozen, so draft moved to Rel-6.
TS	52.008	Telecommunication management; GSM subscriber and equipment trace	none	Rel-6	S5	RONKA, Kari	

D.7 Other 3GPP Specifications and reports to be allocated to (or identified for) Release 7 (TBC)

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TR	25.997	(provisionally reserved for: Remote control of electrical tilting antennas)	none	Rel-7	R3	HAUSER, Andreas	RP-19: WI = RP-030193.

Annex E: List of Change Requests and their status after TSG SA Meeting #19

E.1 CRs from SA WG1

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-030012	21.905	045	-	5.5.0	Rel-5	Entities of the mobile system	approved	F	5.6.0	Vocabulary for 3GPP Specifications
SP-030012	21.905	046	-	6.1.0	Rel-6	Entities of the mobile system	approved	A	6.2.0	Vocabulary for 3GPP Specifications
SP-030035	22.011	050	-	5.1.0	Rel-6	Netshare CR to TS 22.011	approved	B	6.0.0	Service accessibility
SP-030019	22.060	028	-	5.2.0	Rel-6	Service Examples	approved	D	6.0.0	General Packet Radio Service (GPRS); Service description; Stage 1
SP-030019	22.060	029	-	5.2.0	Rel-6	Delay Criteria	approved	C	6.0.0	General Packet Radio Service (GPRS); Service description; Stage 1
SP-030013	22.060	030	-	5.2.0	Rel-5	SS SMS transfer over GPRS	approved	F	5.3.0	General Packet Radio Service (GPRS); Service description; Stage 1
SP-030020	22.071	049	-	6.2.0	Rel-6	Applicability of barring capability to the Location Service	approved	B	6.3.0	Location Services (LCS); Stage 1
SP-030014	22.078	154	-	5.9.1	Rel-5	Correction to CAMEL interworking with CLIR and COLR	approved	F	5.10.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-030021	22.078	155	-	6.0.0	Rel-6	Corrections to re-introduction of enhancements of dialled services in CAMEL 4	approved	F	6.1.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-030015	22.078	156	-	5.9.1	Rel-5	Removal of duplicate text in procedure describing 'subscribed dailled services'	approved	F	5.10.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-030016	22.078	157	-	5.9.1	Rel-5	Removal of $(CAMEL4)$ markers	approved	F	5.10.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-030016	22.078	158	-	6.0.0	Rel-6	Removal of $(CAMEL4)$ markers	approved	A	6.1.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-030014	22.078	159	-	6.0.0	Rel-6	Correction to CAMEL interworking with CLIR and COLR	approved	A	6.1.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-030022	22.101	114	-	6.2.0	Rel-6	Simultaneous connection to 3GPP systems and I-WLANs	approved	B	6.3.0	Service aspects; Service principles
SP-030035	22.101	115	-	6.2.0	Rel-6	Requirements for Network Sharing in Rel-6	approved	B	6.3.0	Service aspects; Service principles
SP-030148	22.101	116	-	5.8.0	Rel-5	on SIM support	approved	F	5.9.0	Service aspects; Service principles
SP-030148	22.101	117	-	6.2.0	Rel-6	on SIM support	approved	A	6.3.0	Service aspects; Service principles
SP-030017	22.101	118	-	5.8.0	Rel-5	on SIM access to IMS	revised	F		Service aspects; Service principles
SP-030174	22.101	118	1	5.8.0	Rel-5	on SIM access to IMS	rejected	F		Service aspects; Service principles
SP-030174	22.101	119	-	5.8.0	Rel-5	ISIM access	approved	F	5.9.0	Service aspects; Service principles
SP-030018	22.105	040	-	5.2.0	Rel-5	Correlation between service class and traffic class	rejected	F		Services & service capabilities
SP-030018	22.105	041	-	6.0.0	Rel-6	Correlation between service class and traffic class	approved	F	6.1.0	Services & service capabilities
SP-030023	22.115	008	-	5.2.0	Rel-6	Clarification of the charging entity WLAN	approved	B	6.0.0	Service Aspects Charging and billing
SP-030035	22.115	009	-	5.2.0	Rel-6	Requirements for Network Shairng in Rel-6	approved	B	6.0.0	Service Aspects Charging and billing
SP-030023	22.115	010	-	5.2.0	Rel-6	on roaming awareness for charging	revised	B		Service Aspects Charging and billing
SP-030176	22.115	010	1	5.2.0	Rel-6	on roaming awareness for charging	approved	B	6.0.0	Service Aspects Charging and billing
SP-030035	22.129	027	-	5.2.0	Rel-6	on Requirements for Network Sharing in Rel-6	approved	B	6.0.0	Handover requirements between UTRAN and GERAN or other radio systems
SP-030024	22.140	024	-	6.0.0	Rel-6	to clarify prioritisation	approved	C	6.1.0	Service aspects; Stage 1; Multimedia Messaging Service

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-030025	22.141	017	-	6.1.0	Rel-6	Clarification of network status attribute description within Presence Service Stage 1	approved	C	6.2.0	Presence service; Stage 1
SP-030026	22.146	040	-	6.1.0	Rel-6	MBMS Cell broadcast in shared network	approved	C	6.2.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1
SP-030027	22.174	006	-	6.1.0	Rel-6	Removal of MMS content	approved	C	6.2.0	Push service; stage 1
SP-030027	22.174	007	-	6.1.0	Rel-6	Barring of Push Service	approved	C	6.2.0	Push service; stage 1
SP-030027	22.174	008	-	6.1.0	Rel-6	Removal of 'Null' Interworking Chapter	approved	C	6.2.0	Push service; stage 1
SP-030027	22.174	009	-	6.1.0	Rel-6	Feature Interactions section	approved	D	6.2.0	Push service; stage 1
SP-030027	22.174	010	-	6.1.0	Rel-6	Push Service Independence	rejected	F		Push service; stage 1
SP-030194	22.174	010	1	6.1.0	Rel-6	Push Service Independence	rejected	F		Push service; stage 1
SP-030028	22.228	018	-	6.1.0	Rel-6	GUP for IMS subscription management	approved	B	6.2.0	IP multimedia subsystem; Stage 1
SP-030029	22.233	010	-	6.1.0	Rel-6	PSS charging information	approved	B	6.2.0	Transparent end-to-end packet-switched streamng service; Service aspects; Stage 1
SP-030030	22.242	002	-	6.1.0	Rel-6	DRM collaboration with OMA	revised	B		Digital Rights Management (DRM); Stage 1
SP-030177	22.242	002	1	6.1.0	Rel-6	DRM collaboration with OMA	approved	B	6.2.0	Digital Rights Management (DRM); Stage 1
SP-030031	22.243	003	-	6.1.0	Rel-6	Correction of contradictory information (former: 'Removal of references')	approved	F	6.2.0	Distributed speech recognition based automated voice services
SP-030032	22.340	001	-	6.0.0	Rel-6	on required message formats for IMS messaging	approved	D	6.1.0	
SP-030033	22.950	006	-	6.1.0	Rel-6	addressing progression of priority level when interworking with external networks	approved	C	6.2.0	
SP-030034	22.951	001	-	6.0.0	Rel-6	Implementing Network Sharing Requirements in Rel-6	approved	C	6.1.0	
SP-030034	22.951	002	-	6.0.0	Rel-6	Dynamic sharing of inbound roaming subscribers in a shared network	approved	B	6.1.0	

E.2 CRs from SA WG2

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-030115	23.002	118	-	5.9.0	Rel-5	Change of reference to LIF document	approved	F	5.10.0	Network Architecture
SP-030115	23.002	119	1	5.9.0	Rel-6	Management interface	approved	B	6.0.0	Network Architecture
SP-030115	23.002	120	-	4.6.0	Rel-4	LCS architecture in Rel4	approved	F	4.7.0	Network Architecture
SP-030115	23.002	121	2	5.9.0	Rel-5	LCS architecture in 5	approved	F	5.10.0	Network Architecture
SP-030116	23.032	7	1	4.1.1	Rel-5	Add UMTS in scope to GSM	approved	A	5.0.0	Universal Geographical Area Description (GAD)
SP-030179	23.060	418	1	5.4.0	Rel-5	SMS over PS in Iu mode	approved	F	5.5.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-030113	23.060	423	2	5.4.0	Rel-6	Addition of interaction between SMS over GRPS and supplementary service	approved	B	6.0.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-030113	23.060	426	-	5.4.0.	Rel-6	Clarification of QoS negotiation during context	approved	F	6.0.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-030113	23.060	430	1	5.4.0	Rel-5	Handling of IMS signalling information in QoS and PCO IEs at GGSN	approved	F	5.5.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-030117	23.107	134	2	5.7.0	Rel-5	Signalling PDP context indication	approved	F	5.8.0	Quality of Service (QoS) concept and architecture
SP-030118	23.141	11	2	6.1.0	Rel-6	Charging Aspects for Presence Service	approved	F	6.2.0	
SP-030118	23.141	19	1	6.1.0	Rel-6	Routeing to Presence User Agent and Presence Server	approved	B	6.2.0	
SP-030118	23.141	23	3	6.1.0	Rel-6	Subscription authorisation policy	approved	C	6.2.0	

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-030118	23.141	24	5	6.1.0	Rel-6	Verification of the identity of watchers	approved	C	6.2.0	
SP-030118	23.141	35	1	6.1.0	Rel-6	Clarifications on charging requirement	approved	F	6.2.0	
SP-030118	23.141	40	1	6.1.0	Rel-6	Age of location	approved	C	6.2.0	
SP-030118	23.141	41	-	6.1.0	Rel-6	Support for partial notifications (same as S2-030178)	approved	F	6.2.0	
SP-030118	23.141	42	-	6.1.0	Rel-6	Modificaion of requirement on Pc interface	approved	B	6.2.0	
SP-030118	23.141	45	1	6.1.0	Rel-6	Support for presence publishing from multiple terminals	approved	B	6.2.0	
SP-030118	23.141	46	2	6.1.0	Rel-6	Presence filtering clarifications	approved	C	6.2.0	
SP-030118	23.141	49	1	6.1.0	Rel-6	Addition of the presence attribute	approved	B	6.2.0	
SP-030119	23.207	55	-	5.6.0	Rel-5	Removal of editors notes	approved	F	5.7.0	End to end quality of service concept and architecture
SP-030120	23.221	39	1	5.7.0	Rel-6	Re-organization of IMS specifications to better reflect aspects of interoperability and commonality between IP Multimedia Systems using different IP-Connectivity Access Networks	withdrawn	D		Architectural requirements
SP-030171	23.221	39	1	5.7.0	Rel-6	Re-organization of IMS specifications to better reflect aspects of interoperability and commonality between IP Multimedia Systems using different IP-Connectivity Access Networks	approved	D	6.0.0	Architectural requirements
SP-030121	23.228	248	2	5.7.0	Rel-5	Allowing IMS access via SIM in 3G UEs	rejected	F		IP Multimedia Subsystem (IMS); Stage 2
SP-030121	23.228	255	2	6.0.1	Rel-6	Public Service Identity	approved	B	6.1.0	IP Multimedia Subsystem (IMS); Stage 2
SP-030121	23.228	258	1	5.7.0	Rel-5	Subscribed Media	approved	F	5.8.0	IP Multimedia Subsystem (IMS); Stage 2
SP-030121	23.228	259	1	6.0.1	Rel-6	Subscribed Media	approved	A	6.1.0	IP Multimedia Subsystem (IMS); Stage 2
SP-030121	23.228	260	2	6.0.1	Rel-6	Architectural requirements to provide IMS emergency sessions	approved	C	6.1.0	IP Multimedia Subsystem (IMS); Stage 2
SP-030121	23.228	261	1	6.0.1	Rel-6	Procedures to detect and route IMS Emergency Sessions	approved	C	6.1.0	IP Multimedia Subsystem (IMS); Stage 2
SP-030121	23.228	261	3	6.0.1	Rel-6	Procedures to detect and route IMS Emergency Sessions	approved	C	6.1.0	IP Multimedia Subsystem (IMS); Stage 2
SP-030121	23.228	263	1	5.7.0	Rel-5	P-CSCF initiated session release	approved	F	5.8.0	IP Multimedia Subsystem (IMS); Stage 2
SP-030121	23.228	264	-	6.0.1	Rel-6	P-CSCF initiated session release	withdrawn	A		IP Multimedia Subsystem (IMS); Stage 2
SP-030121	23.228	266	-	6.0.1	Rel-6	Clarification of the S-CSCF behaviour in TS 23.228	approved	F	6.1.0	IP Multimedia Subsystem (IMS); Stage 2
SP-030121	23.228	275	1	6.0.1	Rel-6	Capability to route non-SIP URIs	approved	B	6.1.0	IP Multimedia Subsystem (IMS); Stage 2
SP-030121	23.228	277	1	6.0.1	Rel-6	Public Service Identity Routing-CR	approved	B	6.1.0	IP Multimedia Subsystem (IMS); Stage 2
SP-030121	23.228	278	1	6.0.1	Rel-6	Forking capabilities of IMS	approved	B	6.1.0	IP Multimedia Subsystem (IMS); Stage 2
SP-030121	23.228	279	1	6.0.1	Rel-6	Clarification on the Routing of Emergency Calls	approved	C	6.1.0	IP Multimedia Subsystem (IMS); Stage 2
SP-030121	23.228	280	1	6.0.1	Rel-6	Re-organization of IMS specifications to better reflect aspects of interoperability and commonality between IP Multimedia Systems using different IP-Connectivity Access Networks	revised	D		IP Multimedia Subsystem (IMS); Stage 2
SP-030172	23.228	280	2	6.0.1	Rel-6	Combined CR for CR#264 and CR#280rev1	revised	D		IP Multimedia Subsystem (IMS); Stage 2
SP-030181	23.228	280	3	6.0.1	Rel-6	Combined CR for CR#264 and CR#280rev1	approved	D	6.1.0	IP Multimedia Subsystem (IMS); Stage 2
SP-030121	23.228	281	1	6.0.1	Rel-6	Public Service Identity requirement- CR	approved	C	6.1.0	IP Multimedia Subsystem (IMS); Stage 2
SP-030114	23.271	124	3	6.2.0	Rel-6	Introduction of reuse mechanism of previously obtained location information	approved	B	6.3.0	Functional stage 2 description of location services
SP-030114	23.271	129	10	6.2.0	Rel-6	Introducing the anonymous target UE user	approved	B	6.3.0	Functional stage 2 description of location services
SP-030114	23.271	144	2	6.2.0	Rel-6	Introduction of service coverage information of LCS client	approved	B	6.3.0	Functional stage 2 description of location services
SP-030114	23.271	145	1	6.2.0	Rel-6	Editorial correction of some Notes.	approved	D	6.3.0	Functional stage 2 description of location services
SP-030114	23.271	146	1	6.2.0	Rel-6	Enhancement of inter GMLC diagrams	approved	F	6.3.0	Functional stage 2 description of location services
SP-030114	23.271	147	2	5.5.0	Rel-5	Requestor ID in LCS client name	approved	F	5.6.0	Functional stage 2 description of location services
SP-030114	23.271	148	2	6.2.0	Rel-6	Clarification to Requestor ID in the LCS client name	approved	A	6.3.0	Functional stage 2 description of location services
SP-030114	23.271	149	1	6.2.0	Rel-6	Information flows for PPR	approved	F	6.3.0	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-030114	23.271	150	1	6.2.0	Rel-6	Corrections in the mobile terminated location request procedure	approved	F	6.3.0	Functional stage 2 description of location services
SP-030114	23.271	151	2	6.2.0	Rel-6	Clarification of MO-LR Procedure relating to LCS Client ID	approved	D	6.3.0	Functional stage 2 description of location services
SP-030114	23.271	153	2	5.5.0	Rel-5	Addition of Position Method Used, to attributes returned with location estimate.	rejected	F		Functional stage 2 description of location services
SP-030114	23.271	154	2	6.2.0	Rel-6	Addition of Position Method Used, to attributes returned with location estimate.	rejected	F		Functional stage 2 description of location services
SP-030114	23.271	157	1	6.2.0	Rel-6	Correction of inter GMLC interface procedures.	approved	F	6.3.0	Functional stage 2 description of location services
SP-030114	23.271	158r1	1	6.2.0	Rel-6	Misalingment of target UE addressing in Mobile Terminating Location Request procedures.	approved	F	6.3.0	Functional stage 2 description of location services
SP-030114	23.271	159	-	6.2.0	Rel-6	Pseudo external identities used for pre-6 compatibility	approved	F	6.3.0	Functional stage 2 description of location services
SP-030114	23.271	160	1	6.2.0	Rel-6	Location of privacy profile data	approved	F	6.3.0	Functional stage 2 description of location services
SP-030122	23.895	1	1	6.0.0	Rel-6	Handling of UESBI at handover	approved	F	6.1.0	
SP-030122	23.895	2	1	6.0.0	Rel-6	Clarification to the TR on Early UE	approved	F	6.1.0	
SP-030122	23.895	3	3	6.0.0	Rel-6	(After SA plenary #18) Updated scope of the TR ue.8de: " Provision of UE Capability Information to Network Entities "	approved	F	6.1.0	

E.3 CRs from SA WG3

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-030096	33.108	007	-	5.2.0	Rel-5	Coding of ASN.1 parameters of the type OCTET STRING	approved	F	5.3.0	Handover interface for Lawful Interception
SP-030096	33.108	008	-	6.0.0	Rel-6	Coding of ASN.1 parameters of the type OCTET STRING	approved	A	6.1.0	Handover interface for Lawful Interception
SP-030097	33.108	009	-	6.0.0	Rel-6	CS Section for 33.108	approved	B	6.1.0	Handover interface for Lawful Interception
SP-030098	33.108	010	-	6.0.0	Rel-6	Adjustments to the requirements on the delivery of the intercepted RT data over TCP	approved	F	6.1.0	Handover interface for Lawful Interception
SP-030099	33.108	011	-	5.2.0	Rel-5	Incorrect ASN.1 object tree	approved	F	5.3.0	Handover interface for Lawful Interception
SP-030099	33.108	012	-	6.0.0	Rel-6	Incorrect ASN.1 object tree	approved	A	6.1.0	Handover interface for Lawful Interception
SP-030149	33.108	013	-	5.2.0	Rel-5	Correction to implementation of CR 005	approved	F	5.3.0	Handover interface for Lawful Interception
SP-030149	33.108	014	-	6.0.0	Rel-6	Correction to implementation of CR 005	approved	A	6.1.0	Handover interface for Lawful Interception
SP-030100	33.203	035	-	5.4.0	Rel-5	Clarification of the use of ISIM and USIM for IMS access	approved	F	5.5.0	Access security for IP based services
SP-030101	33.203	036	-	5.4.0	Rel-5	Malicious UE bypassing the P-CSCF	revised	F		Access security for IP based services
SP-030185	33.203	036	1	5.4.0	Rel-5	Malicious UE bypassing the P-CSCF	approved	F	5.5.0	Access security for IP based services
SP-030102	33.203	037	-	5.4.0	Rel-5	Ensuring the deletion of unwanted SA's	approved	F	5.5.0	Access security for IP based services
SP-030103	33.203	038	-	5.4.0	Rel-5	Add protected port into Via header	approved	F	5.5.0	Access security for IP based services
SP-030111	33.203	039	-	5.4.0	Rel-5	Correction of the Port 2 definition for SA establishment	approved	F	5.5.0	Access security for IP based services
SP-030104	33.210	005	-	5.2.0	Rel-5	Za-interface and roaming agreements	approved	F	5.3.0	Network Domain Security - IP
SP-030104	33.210	006	-	6.0.0	Rel-6	Za-interface and roaming agreements	approved	A	6.1.0	Network Domain Security - IP
SP-030105	33.210	007	-	5.2.0	Rel-5	Clarification to the re-keying aspects of network domain security	approved	F	5.3.0	Network Domain Security - IP
SP-030105	33.210	008	-	6.0.0	Rel-6	Clarification to the re-keying aspects of network domain security	approved	A	6.1.0	Network Domain Security - IP

E.4 CRs from SA WG4

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-030085	26.073	017	-	5.0.0	Rel-5	MMS compatible input/output option	approved	F	5.1.0	AMR speech Codec; C-source code
SP-030086	26.093	011	-	5.2.0	Rel-6	Handling of FACCH and RATSCCH during AMR DTX	approved	F	6.0.0	AMR speech Codec; Source Controlled Rate operation
SP-030087	26.102	013	2	3.3.0	R99	AMR Rate Adaptation of R'99	approved	F	3.4.0	AMR speech Codec; Interface to Iu and Uu
SP-030087	26.102	014	3	4.0.0	Rel-4	AMR Rate Adaptation of Rel-4	approved	A	4.1.0	AMR speech Codec; Interface to Iu and Uu
SP-030087	26.102	015	2	5.1.0	Rel-5	AMR Rate Adaptation of Rel-5	approved	F	5.2.0	AMR speech Codec; Interface to Iu and Uu
SP-030088	26.104	021	1	5.0.0	Rel-5	MMS compatible i/o format	approved	F	5.1.0	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec
SP-030088	26.104	022	-	3.4.0	R99	Correction to floating-point implementation of sp_dec.c	approved	F	3.5.0	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec
SP-030088	26.104	023	-	4.3.0	Rel-4	Correction to floating-point implementation of sp_dec.c	approved	A	4.4.0	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec
SP-030088	26.104	024	-	5.0.0	Rel-5	Correction to floating-point implementation of sp_dec.c	approved	A	5.1.0	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec
SP-030089	26.173	015	2	5.5.0	Rel-5	Harmonization of 3GPP TS 26.173 and ITU-T G.722.2 C-codes	approved	F	5.6.0	ANSI-C code for the Adaptive Multi Rate (AMR) Wideband speech codec
SP-030089	26.173	016	-	5.5.0	Rel-5	Correction for handling of RX_NO_DATA frames	approved	F	5.6.0	ANSI-C code for the Adaptive Multi Rate (AMR) Wideband speech codec
SP-030090	26.204	001	1	5.0.0	Rel-5	Correction to log(0) error in VAD decision with low SNR input signals	approved	F	5.1.0	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) wideband speech codec
SP-030090	26.204	002	1	5.0.0	Rel-5	Correction to decoder with input of long sequence of NO_DATA frames	approved	F	5.1.0	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) wideband speech codec
SP-030090	26.204	003	1	5.0.0	Rel-5	Correction to "D_UTIL_pow2" function to be bitexact with TS26.173 counterpart	approved	F	5.1.0	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) wideband speech codec
SP-030090	26.204	004	1	5.0.0	Rel-5	MMS compatible i/o format option	approved	F	5.1.0	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) wideband speech codec
SP-030090	26.204	005	-	5.0.0	Rel-5	Correction for handling of RX_NO_DATA frames	approved	F	5.1.0	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) wideband speech codec
SP-030090	26.204	006	1	5.0.0	Rel-5	Ambiguous expressions in the AMR-WB Floating-point C-Code	approved	F	5.1.0	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) wideband speech codec
SP-030091	26.234	052	1	5.3.0	Rel-5	SDP bandwidth modifier for RTCP bandwidth	approved	F	5.4.0	End-to-end transparent streaming service; Protocols and codecs
SP-030091	26.234	053	-	5.3.0	Rel-5	Specification of stream control URLs in SDP files	approved	F	5.4.0	End-to-end transparent streaming service; Protocols and codecs
SP-030091	26.234	054	-	5.3.0	Rel-5	Clarification of multiple modifiers for timed text	approved	F	5.4.0	End-to-end transparent streaming service; Protocols and codecs
SP-030091	26.234	056	4	5.3.0	Rel-5	Correction of wrong references	approved	F	5.4.0	End-to-end transparent streaming service; Protocols and codecs
SP-030091	26.234	057	2	5.3.0	Rel-5	Correction of signalling frame size for H.263 in SDP	approved	F	5.4.0	End-to-end transparent streaming service; Protocols and codecs
SP-030092	26.236	003	2	5.1.0	Rel-5	SDP bandwidth modifier for RTCP bandwidth	approved	F	5.2.0	Packet switched conversational multimedia applications; Transport protocols
SP-030092	26.236	004	-	5.1.0	Rel-5	Correction on QoS profile parameters for conversational multimedia applications	approved	F	5.2.0	Packet switched conversational multimedia applications; Transport protocols
SP-030093	26.911	011	-	3.3.0	R99	Clarification of bit-order handling for 3G-324M terminals	approved	F	3.4.0	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide

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SP-030093	26.911	012	-	4.1.0	Rel-4	Clarification of bit-order handling for 3G-324M terminals	approved	A	4.2.0	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide
SP-030093	26.911	013	-	5.0.0	Rel-5	Clarification of bit-order handling for 3G-324M terminals	approved	A	5.1.0	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide

E.5 CRs from SA WG5

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-030053	32.015	038	-	3.10.0	R99	Correction of M-CDR usage - alignment with SA2's 23.060	approved	F	3.11.0	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain
SP-030043	32.101	021	-	5.2.0	Rel-5	Align QoS Terminology with SA2's 23.207 & CN3's 29.207	approved	F	5.3.0	3G Telecom Management principles and high level requirements
SP-030061	32.102	026	-	4.2.0	Rel-4	Add New Subclause to IS Template for Notification Related IOCs	approved	F	4.3.0	3G Telecom Management Architecture
SP-030061	32.102	027	-	5.2.0	Rel-5	Add New Subclause to IS Template for Notification Related IOCs	approved	A	5.3.0	3G Telecom Management Architecture
SP-030062	32.111-2	021	-	4.5.0	Rel-4	Add Missing ITU-T M.3100 Probable Causes	approved	F	4.6.0	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service
SP-030062	32.111-2	022	-	5.2.0	Rel-5	Add Missing ITU-T M.3100 Probable Causes	approved	A	5.3.0	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service
SP-030063	32.111-2	023	-	4.5.0	Rel-4	Corrections regarding Alarm Acknowledgement and Alarm Comments - alignment with 32.111-1	approved	F	4.6.0	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service
SP-030063	32.111-2	024	-	5.2.0	Rel-5	Corrections regarding Alarm Acknowledgement and Alarm Comments - alignment with 32.111-1	approved	A	5.3.0	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service
SP-030138	32.111-2	025	-	5.2.0	Rel-5	Add Missing security event types and probable causes	approved	F	5.3.0	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service
SP-030064	32.111-3	025	-	4.5.0	Rel-4	Correction of CORBA ALARM_IRP_VERSION in line with adopted Rel-5 policy	approved	F	4.6.0	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1
SP-030064	32.111-3	026	-	5.2.0	Rel-5	Correction of CORBA ALARM_IRP_VERSION in line with adopted Rel-5 policy	approved	A	5.3.0	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1
SP-030062	32.111-3	027	-	4.5.0	Rel-4	Add missing ITU-T M.3100 Probable Cause Values	approved	F	4.6.0	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1
SP-030062	32.111-3	028	-	5.2.0	Rel-5	Add missing ITU-T M.3100 Probable Cause values & Correct CORBA IDL errors	approved	A	5.3.0	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-030138	32.111-3	029	-	5.2.0	Rel-5	Correction of CORBA IDL Optional clearSystemId	approved	F	5.3.0	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1
SP-030063	32.111-4	015	-	4.4.0	Rel-4	Correction to Alarm Comments - alignment with 32.111-1	approved	F	4.5.0	Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set
SP-030063	32.111-4	016	-	5.3.0	Rel-5	Correction to Alarm Comments- alignment with 32.111-1	approved	A	5.4.0	Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set
SP-030138	32.111-4	017	-	5.3.0	Rel-5	Add missing x721AlarmNotificationsPackage	approved	F	5.4.0	Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set
SP-030138	32.111-4	018	-	5.3.0	Rel-5	Corrections to GDMO and ASN.1 definitions in the Alarm IRP CMIP SS	approved	F	5.4.0	Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set
SP-030053	32.200	019	-	4.3.0	Rel-4	Correction of M-CDR usage - alignment with SA2's 23.060	approved	A	4.4.0	Telecommunication management; Charging management; Charging principles
SP-030053	32.200	020	-	5.2.0	Rel-5	Correction of M-CDR usage - alignment with SA2's 23.060	approved	A	5.3.0	Telecommunication management; Charging management; Charging principles
SP-030055	32.200	021	-	5.2.0	Rel-5	Addition of 'Inter-PLMN SGSN change' as partial output record trigger for G-CDR - alignment with CN4's 29.060	approved	F	5.3.0	Telecommunication management; Charging management; Charging principles
SP-030054	32.205	013	-	4.3.0	Rel-4	CDR correction for data services over Iu-interface - alignment with SA1's 22.002	approved	F	4.4.0	Telecommunication management; Charging management; 3G charging data description for the CS domain
SP-030054	32.205	014	-	5.2.0	Rel-5	CDR correction for data services over Iu-interface - alignment with SA1's 22.002	approved	A	5.3.0	Telecommunication management; Charging management; 3G charging data description for the CS domain
SP-030056	32.205	015	-	5.2.0	Rel-5	Corrections to ASN.1 Syntax associated with Wireless Number Portability (WNP)	approved	F	5.3.0	Telecommunication management; Charging management; 3G charging data description for the CS domain
SP-030055	32.215	025	-	5.2.0	Rel-5	Addition of SGSN's Mobile Country Code (MCC) and Mobile Network Code (MNC) on G-CDR - alignment with CN4's 29.060	approved	F	5.3.0	Telecom Management; Charging management; Charging data description for the Packet Switched (PS) domain
SP-030057	32.225	004	-	5.1.0	Rel-5	Alignment of Immediate Event Charging (IEC) description with the latest draft IEFT Credit-Control specification	approved	F	5.2.0	Telecom management; Charging management; Charging data description for the IMS domain
SP-030057	32.225	005	-	5.1.0	Rel-5	Correction of the IMS Charging Identifier (ICID) definition	approved	F	5.2.0	Telecom management; Charging management; Charging data description for the IMS domain
SP-030057	32.225	006	-	5.1.0	Rel-5	Correction of IMS-CDR definitions	approved	F	5.2.0	Telecom management; Charging management; Charging data description for the IMS domain
SP-030057	32.225	007	-	5.1.0	Rel-5	Inclusion of IETF draft 'Hakala-diameter-credit-control' specification version 05	approved	F	5.2.0	Telecom management; Charging management; Charging data description for the IMS domain
SP-030057	32.225	008	-	5.1.0	Rel-5	Removal of Re-Transmission Attribute Value Pair (AVP) in order to align duplicate detection procedure with the Diameter Base protocol	approved	F	5.2.0	Telecom management; Charging management; Charging data description for the IMS domain
SP-030057	32.225	009	-	5.1.0	Rel-5	Correction of the accounting session supervision (Offline) - alignment with the Diameter Base protocol	approved	F	5.2.0	Telecom management; Charging management; Charging data description for the IMS domain
SP-030057	32.225	010	-	5.1.0	Rel-5	Correction of the accounting session supervision (Online) - alignment with the Diameter Base protocol	approved	F	5.2.0	Telecom management; Charging management; Charging data description for the IMS domain

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-030057	32.225	011	-	5.1.0	Rel-5	Correction of the support of local file storage and use of FTP for transfer of Accounting Information	approved	F	5.2.0	Telecom management; Charging management; Charging data description for the IMS domain
SP-030057	32.225	012	-	5.1.0	Rel-5	Correction of abnormal session termination procedure	approved	F	5.2.0	Telecom management; Charging management; Charging data description for the IMS domain
SP-030057	32.225	013	-	5.1.0	Rel-5	Correction of network initiated session release procedure - alignment with SIP (IETF RFC 3261)	approved	F	5.2.0	Telecom management; Charging management; Charging data description for the IMS domain
SP-030057	32.225	014	-	5.1.0	Rel-5	Correction of media modification procedures - add the UPDATE SIP method	approved	F	5.2.0	Telecom management; Charging management; Charging data description for the IMS domain
SP-030058	32.235	009	-	4.4.0	Rel-4	Corrections on MMS addressing - alignment with T2's 23.140 (MMS stage 2)	approved	F	4.5.0	Telecommunication management; Charging management; Charging data description for application services
SP-030058	32.235	010	-	5.1.0	Rel-5	Corrections on MMS addressing - alignment with T2's 23.140 (MMS stage 2)	approved	A	5.2.0	Telecommunication management; Charging management; Charging data description for application services
SP-030059	32.235	011	-	4.4.0	Rel-4	Correction of Message Size Definition - alignment with T2's 23.140	approved	F	4.5.0	Telecommunication management; Charging management; Charging data description for application services
SP-030059	32.235	012	-	5.1.0	Rel-5	Correction of Message Size Definition - alignment with T2's 23.140	approved	A	5.2.0	Telecommunication management; Charging management; Charging data description for application services
SP-030060	32.235	013	-	5.1.0	Rel-5	Add support of VASP in MMS Charging - alignment with T2's 23.140	approved	B	5.2.0	Telecommunication management; Charging management; Charging data description for application services
SP-030137	32.303	006	-	4.3.2	Rel-4	Corrections to CORBA IDL specification "NotificationIRPSystem"	withdrawn	F		Telecommunication Management; Configuration Management; Notification Integration Reference Point; CORBA solution set version 1:1
SP-030137	32.303	007	-	4.3.2	Rel-4	Remove unused suspend_subscription and resume_subscription methods	approved	F	4.4.0	Telecommunication Management; Configuration Management; Notification Integration Reference Point; CORBA solution set version 1:1
SP-030137	32.303	008	-	5.1.2	Rel-5	Remove unused suspend_subscription and resume_subscription methods	approved	A	5.2.0	Telecommunication Management; Configuration Management; Notification Integration Reference Point; CORBA solution set version 1:1
SP-030137	32.303	009	-	5.1.2	Rel-5	Corrections of CORBA IDL syntax errors	approved	F	5.2.0	Telecommunication Management; Configuration Management; Notification Integration Reference Point; CORBA solution set version 1:1
SP-030064	32.303	010	-	5.1.2	Rel-5	Update the usage IRP_VERSION in line with adopted release 5 policy - alignment with 32.111-3	approved	F	5.2.0	Telecommunication Management; Configuration Management; Notification Integration Reference Point; CORBA solution set version 1:1
SP-030146	32.403	011	-	4.2.1	Rel-4	Correction of the subscriber number measurement definitions	approved	F	4.3.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM
SP-030146	32.403	012	-	5.1.0	Rel-5	Correction of the subscriber number measurement definitions	approved	A	5.2.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM
SP-030147	32.421	001	-	6.0.0	Rel-6	Corrections to Trace requirements - alignment with SA2's 23.002	approved	F	6.1.0	
SP-030144	32.602	003	-	5.0.0	Rel-5	Add post-condition for notifications of each activeCM operation and one exception for createMO	approved	F	5.1.0	Telecommunication Management; Configuration Management; Basic configuration management IRP information model

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SP-030139	32.603	007	-	5.0.0	Rel-5	Add CORBA equivalents to IS operations "get{Operation Notification}Profile" - alignment with 32.602 & 32.312	approved	F	5.1.0	Telecommunication Management; Configuration Management; Basic configuration management IRP: CORBA solution set
SP-030139	32.603	008	-	5.0.0	Rel-5	Correction of IDL errors	approved	F	5.1.0	Telecommunication Management; Configuration Management; Basic configuration management IRP: CORBA solution set
SP-030144	32.603	009	-	5.0.0	Rel-5	Add description for notifications of each activeCM operation and one exception for createMO - alignment with 32.602, Information Service	approved	F	5.1.0	Telecommunication Management; Configuration Management; Basic configuration management IRP: CORBA solution set
SP-030140	32.613	008	-	5.0.0	Rel-5	Add subphases "PreactivationPhase" and "ValidationPhase" in 'BulkCmIRPConstDefs' IDL definition	approved	F	5.1.0	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: CORBA solution set
SP-030140	32.613	009	-	5.0.0	Rel-5	Add missing Rel-4 CORBA IDL exceptions	approved	F	5.1.0	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: CORBA solution set
SP-030141	32.623	005	-	4.2.0	Rel-4	Addition of VsDataContainer strings missing from IDL	approved	F	4.3.0	Telecommunication Management; Configuration Management; Generic network resources IRP: CORBA solution set
SP-030141	32.623	006	-	5.0.0	Rel-5	Replace Microsoft Word "" with straight Double Quotes - to avoid CORBA IDL Compilation Errors	approved	F	5.1.0	Telecommunication Management; Configuration Management; Generic network resources IRP: CORBA solution set
SP-030142	32.632	005	-	4.2.0	Rel-4	Change userLabel attribute from Read-Only to Read-Write	approved	F	4.3.0	Telecommunication Management; Configuration Management; Core Network Resources IRP: NRM
SP-030142	32.632	006	-	5.1.0	Rel-5	CN Network Resource Model changed to the New Methodology - alignment with 32.102 (Telecommunication management; Architecture)	approved	F	5.2.0	Telecommunication Management; Configuration Management; Core Network Resources IRP: NRM
SP-030145	32.661	002	-	5.1.0	Rel-6	Add requirement for the emission of notifyCMSynchronizationRecommended notification	approved	B	6.0.0	3G configuration management; Kernel CM requirements
SP-030145	32.662	001	-	5.0.0	Rel-6	Add description of notifyCMSynchronizationRecommended notification for KernelCM IRP.	approved	B	6.0.0	3G configuration management; Kernel CM information service
SP-030143	32.663	001	-	5.0.0	Rel-5	CORBA IDL Compiler Errors	approved	F	5.1.0	3G configuration management; Kernel CM CORBA solution set
SP-030145	32.663	002	-	5.0.0	Rel-6	Add IDL definition of notifyCMSynchronizationRecommended notification for KernelCM IRP	approved	B	6.0.0	3G configuration management; Kernel CM CORBA solution set
SP-030145	32.664	001	-	5.0.0	Rel-6	Add GDMO definition of notifyCMSynchronizationRecommended notification for KernelCM IRP	approved	B	6.0.0	3G configuration management; Kernel CM CMIP solution set
SP-030143	32.673	001	-	5.0.0	Rel-5	CORBA IDL Compiler Errors, Invalid CORBA IDL Include Reference	approved	F	5.1.0	

E.6 CRs direct to TSG SA#19

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-030077	01.01	011	-	8.8.0	R99	Correction to list of specs	approved	F	8.9.0	GSM Release 1999 Specifications
SP-030077	21.101	013	1	3.10.0	R99	Correction to list of specs	approved	F	3.11.0	3rd Generation mobile system Release 1999 Specifications
SP-030077	21.102	010	-	4.7.0	Rel-4	Correction to list of specs	approved	F	4.8.0	3rd Generation mobile system Release 4 specifications
SP-030077	21.103	003	1	5.2.0	Rel-5	Correction to list of specs	approved	F	5.3.0	3rd Generation mobile system Release 5 specifications
SP-030077	41.102	009	-	4.7.0	Rel-4	Correction to list of specs	approved	F	8.0.0	GSM Release 4 specifications
SP-030077	41.103	003	1	5.2.0	Rel-5	Correction to list of specs	approved	F	5.3.0	GSM Release 5 specifications

Annex F: Status of all 3GPP CRs after TSG SA #19 Meeting

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
NP-030040	09.08	A141	-	8.1.0	R99	Corrections to the list of BSSMAP messages transferred on the E-interface	approved	F	8.2.0	Application of the Base Station System Application Part (BSSAP) on the E-Interface	N1
NP-030041	23.009	091	1	3.12.0	R99	Further clarification of the protocol to the be used on the E-interface	approved	F	3.13.0	Handover procedures	N1
NP-030041	23.009	092	1	4.6.0	Rel-4	Further clarification of the protocol to the be used on the E-interface	approved	A	4.7.0	Handover procedures	N1
NP-030041	23.009	093	1	5.3.0	Rel-5	Further clarification of the protocol to the be used on the E-interface	approved	A	5.4.0	Handover procedures	N1
NP-030056	23.034	008	-	5.1.0	Rel-5	Use of Nb UP protocol after inter-MSC handover	approved	F	5.2.0	High Speed Circuit Switched Data (HSCSD); Stage 2	N1
NP-030045	23.218	040	2	5.3.0	Rel-5	Clarification on Sh interface for charging purposes	approved	F	5.4.0	IP Multimedia (IM) session handling; IM call model	N1
NP-030046	23.218	042	-	5.3.0	Rel-5	Correction related to implicit public user identities in third party REGISTER	approved	F	5.4.0	IP Multimedia (IM) session handling; IM call model	N1
NP-030044	24.002	002	1	4.0.0	Rel-4	Removal of the S reference point within the MS	approved	F	4.1.0	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	N1
NP-030044	24.002	003	1	5.0.0	Rel-5	Removal of the S reference point within the MS	approved	A	5.1.0	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	N1
NP-030042	24.008	728	-	3.14.0	R99	Correction on CC Capabilities IE length	approved	F	3.15.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030042	24.008	729	-	4.9.0	Rel-4	Correction on CC Capabilities IE length	approved	A	4.10.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030042	24.008	730	-	5.6.0	Rel-5	Correction on CC Capabilities IE length	approved	A	5.7.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030055	24.008	731	1	5.6.0	Rel-5	Support of UMTS authentication by GERAN only terminals	approved	F	5.7.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030057	24.008	733	1	5.6.0	Rel-6	Interruption of DL user data transmission during P-TMSI reallocation	approved	C	6.0.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030043	24.008	734	1	3.14.0	R99	MS RAC for UMTS only terminal	revised	F		Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030141	24.008	734	2	3.14.0	R99	MS RAC for UMTS only terminal	approved	F	3.15.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030043	24.008	735	1	4.9.0	Rel-4	MS RAC for UMTS only terminal	revised	A		Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
NP-030141	24.008	735	2	4.9.0	Rel-4	MS RAC for UMTS only terminal	approved	A	4.10.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030043	24.008	736	1	5.6.0	Rel-5	MS RAC for UMTS only terminal	revised	A		Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030141	24.008	736	2	5.6.0	Rel-5	MS RAC for UMTS only terminal	approved	A	5.7.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030055	24.008	737	1	5.6.0	Rel-5	High multislot classes for type 1 mobiles	approved	F	5.7.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030054	24.008	738	2	5.6.0	Rel-5	Signalling PDP Context Indication to Core Network	approved	F	5.7.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030058	24.008	739	2	5.6.0	Rel-6	Implementation of new frequency ranges into 24.008	approved	B	6.0.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030055	24.008	740	1	5.6.0	Rel-5	Missing IEI definition in locking shift (CC) IE and non-locking shift (CC) IE	approved	F	5.7.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030055	24.008	741	1	5.6.0	Rel-5	Combined RAU successful for GPRS only, missing GMM cause IE	approved	F	5.7.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030055	24.008	746	-	5.6.0	Rel-5	Enhanced Power Control (EPC) information in classmark 3	approved	F	5.7.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030062	24.008	747	-	5.6.0	Rel-5	Introduction of USIM in the figure “Overview mobility management protocol”	approved	F	5.7.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-030053	24.228	094	2	5.3.0	Rel-5	Allowing IMS access with SIM	rejected	C		Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-030047	24.228	097	2	5.3.0	Rel-5	Correction of the registration state event package	approved	F	5.4.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-030047	24.228	098	1	5.3.0	Rel-5	General update to clauses 7 and 8	approved	F	5.4.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-030047	24.228	099	1	5.3.0	Rel-5	General update to clauses 17 and 18	approved	F	5.4.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-030047	24.228	100	1	5.3.0	Rel-5	General update to clause 10	approved	F	5.4.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-030048	24.228	102	2	5.3.0	Rel-5	General update to clauses 6 and 16	approved	F	5.4.0	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3	N1
NP-030049	24.229	291	-	5.3.0	Rel-5	Minor correction and consistency changes to general part of profile	approved	F	5.4.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-030049	24.229	292	-	5.3.0	Rel-5	SIP profile minor correction and consistency changes	approved	F	5.4.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-030049	24.229	293	1	5.3.0	Rel-5	Network asserted identity procedure corrections for the UE	approved	F	5.4.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1

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NP-030049	24.229	294	1	5.3.0	Rel-5	Asserted identity inclusion in SIP profile	approved	F	5.4.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-030049	24.229	296	-	5.3.0	Rel-5	Profile references relating to registration	approved	F	5.4.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-030049	24.229	297	2	5.3.0	Rel-5	Reference corrections	approved	F	5.4.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-030053	24.229	299	2	5.3.0	Rel-5	Allowing IMS access with SIM	rejected	C		IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-030050	24.229	300	1	5.3.0	Rel-5	488 message with a subset of allowed media parameters	approved	F	5.4.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-030050	24.229	301	1	5.3.0	Rel-5	Handling of Emergency Numbers in P-CSCF	approved	F	5.4.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-030050	24.229	302	2	5.3.0	Rel-5	Correction of the registration state event package	approved	F	5.4.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-030050	24.229	305	2	5.3.0	Rel-5	User initiated de-registration at P-CSCF	approved	F	5.4.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-030050	24.229	306	2	5.3.0	Rel-5	Network-initiated deregistration at UE, P-CSCF, and S-CSCF	approved	F	5.4.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-030050	24.229	307	2	5.3.0	Rel-5	UE deregistration during established dialogs	approved	F	5.4.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-030050	24.229	308	2	5.3.0	Rel-5	S-CSCF handling of deregistration during established dialogs	approved	F	5.4.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-030050	24.229	309	1	5.3.0	Rel-5	S-CSCF handling of established dialogs upon deregistration	approved	F	5.4.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-030050	24.229	310	2	5.3.0	Rel-5	S-CSCF handling of established dialogs upon registration-lifetime expiration	approved	F	5.4.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-030051	24.229	311	1	5.3.0	Rel-5	P-CSCF handling of established dialogs upon registration-lifetime expiration	approved	F	5.4.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-030051	24.229	312	1	5.3.0	Rel-5	Correction of Authentication procedure	approved	F	5.4.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-030051	24.229	313	-	5.3.0	Rel-5	Mixed Path header and Service-Route operation	approved	F	5.4.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-030051	24.229	315	2	5.3.0	Rel-5	Clarifications on updating the authorization token	approved	F	5.4.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-030051	24.229	318	2	5.3.0	Rel-5	Consideration of P-CSCF/PDF	approved	F	5.4.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-030051	24.229	319	2	5.3.0	Rel-5	Clarification on GPRS charging information	approved	F	5.4.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-030054	24.229	321	2	5.3.0	Rel-5	Signalling PDP Context Indication to Core Network	rejected	F		IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-030051	24.229	323	1	5.3.0	Rel-5	P-Access-Network-Info procedure corrections for the UE	approved	F	5.4.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-030051	24.229	324	1	5.3.0	Rel-5	P-Access-Network-Info procedure corrections for the S-CSCF	approved	F	5.4.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-030051	24.229	326	1	5.3.0	Rel-5	Updating user agent related profile tables	approved	F	5.4.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-030052	24.229	327	2	5.3.0	Rel-5	Cleanup and clarification to the registration and authentication procedure	approved	F	5.4.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
NP-030052	24.229	328	1	5.3.0	Rel-5	Corrections to the reg event package	approved	F	5.4.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-030052	24.229	330	2	5.3.0	Rel-5	Clarifications for setting up separate PDP contexts in case of SBLP	approved	F	5.4.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-030052	24.229	331	2	5.3.0	Rel-5	Handling of the P-Media-Autohorization header	approved	F	5.4.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-030052	24.229	333	3	5.3.0	Rel-5	Removal of P-Asserted-Identity from clause 7 of 24.229	approved	F	5.4.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-030052	24.229	334	-	5.3.0	Rel-5	P-CSCF general procedure corrections	approved	F	5.4.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-030052	24.229	335	2	5.3.0	Rel-5	Usage of Contact in UE's registration procedure	approved	F	5.4.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-030052	24.229	337	-	5.3.0	Rel-5	Usage of P-Asserted-Identity for responses	approved	F	5.4.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-030052	24.229	339	2	5.3.0	Rel-5	Authorization for registration event package	approved	F	5.4.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-030052	24.229	341	1	5.3.0	Rel-5	P-CSCF subscription to reg event	approved	F	5.4.0	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3	N1
NP-030040	49.008	001	-	4.0.1	Rel-4	Corrections to the list of BSSMAP messages transferred on the E-interface	approved	A	4.1.0	Application of the Base Station System Application Part (BSSAP) on the E-Interface	N1
NP-030040	49.008	002	-	5.0.0	Rel-5	Corrections to the list of BSSMAP messages transferred on the E-interface	approved	A	5.1.0	Application of the Base Station System Application Part (BSSAP) on the E-Interface	N1
NP-030088	23.078	491	2	5.2.0	Rel-5	Handling of a Stand alone Call Segment in CS_gsmSSF	approved	F	5.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-030088	23.078	513	-	5.2.0	Rel-5	Handling of Int_Import_Leg in CS_gsmSSF	approved	F	5.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-030088	23.078	516	2	5.2.0	Rel-5	Correction to CAMEL interaction with Line Identification	approved	F	5.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-030088	23.078	517	1	5.2.0	Rel-5	Correction to implicit disarming of DPs in CS_gsmSSF	approved	F	5.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-030088	23.078	518	3	5.2.0	Rel-5	HLR handling when Requested Domain is absent from ATI	approved	F	5.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-030088	23.078	520	1	5.2.0	Rel-5	Correction to CTR Information Flow	approved	F	5.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-030085	23.078	521	1	3.15.0	R99	Correction to SRI Information Flow (add T-CSI criteria)	approved	F	3.16.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-030089	23.078	526	-	5.2.0	Rel-5	Consistent prefix naming of 23.078 signals.	approved	F	5.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2

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NP-030068	23.078	527	1	3.15.0	R99	Correction to interactions between CAMEL control of MO SMS and barring	approved	F	3.16.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-030068	23.078	528	1	4.7.0	Rel-4	Correction to interactions between CAMEL control of MO SMS and barring	approved	A	4.8.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-030068	23.078	529	-	5.2.0	Rel-5	Correction to interactions between CAMEL control of MO SMS and barring	approved	A	5.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-030089	23.078	531	-	5.2.0	Rel-5	Alignment of signal names with TS 29.002	approved	F	5.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-030085	23.078	532	1	3.15.0	R99	Introduction of ResetTimer input in state WFI-DS	approved	F	3.16.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-030089	23.078	533	2	5.2.0	Rel-5	Buffering of TC messages in the SGSN while waiting for the first SCP response	approved	F	5.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-030089	23.078	534	-	5.2.0	Rel-5	Disallowing ACH-GPRS when PDPc already disconnected	approved	F	5.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-030089	23.078	536	1	5.2.0	Rel-5	Correction to timer expiry handling during call forwarding notification	approved	F	5.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-030089	23.078	538	-	5.2.0	Rel-5	Correction to Call Information Request	approved	F	5.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-030085	23.078	539	1	3.15.0	R99	Inconsistency in Call Information Report in Re-Connect Case	approved	F	3.16.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-030085	23.078	540	1	4.7.0	Rel-4	Inconsistency in Call Information Report in Re-Connect Case	approved	A	4.8.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-030085	23.078	541	1	5.2.0	Rel-5	Inconsistency in Call Information Report in Re-Connect Case	approved	A	5.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-030089	23.078	542	1	5.2.0	Rel-5	Handling of AC and ACR for GPRS	approved	F	5.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-030085	23.078	543	-	4.7.0	Rel-4	Correction to SRI Information Flow	approved	A	5.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-030085	23.078	544	-	5.2.0	Rel-5	Correction to SRI Information Flow	approved	A	5.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-030085	23.078	545	-	4.7.0	Rel-4	Introduction of ResetTimer input in state WFI-DS	approved	A	4.8.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2

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NP-030085	23.078	546	-	5.2.0	Rel-5	Introduction of ResetTimer input in state WFI-DS	approved	A	5.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
NP-030090	23.278	027	1	5.1.0	Rel-5	Implementing of Connect to Resource handling in CAMEL for IMS	approved	F	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	N2
NP-030090	23.278	028	1	5.1.0	Rel-5	Introduction of ResetTimer input in state WFI-DS (IMS)	approved	F	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	N2
NP-030090	23.278	029	-	5.1.0	Rel-5	Correction of imcnSSF procedure names	approved	F	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	N2
NP-030090	23.278	030	-	5.1.0	Rel-5	Incorrect procedure names used for CAMEL_MT_CTR and CAMEL_MO_CTR	approved	F	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	N2
NP-030090	23.278	031	-	5.1.0	Rel-5	Incorrect procedures called in CAMEL_IMCN_MT_ANSWER	approved	F	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	N2
NP-030091	23.278	032	-	5.1.0	Rel-5	Sending of provisional response for the INVITE	approved	F	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	N2
NP-030091	23.278	033	-	5.1.0	Rel-5	Incorrect SIP response when no CAMEL is invoked	approved	F	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	N2
NP-030091	23.278	035	1	5.1.0	Rel-5	Corrections in CAMEL_IMCN_MO_ANSWER	approved	F	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	N2
NP-030091	23.278	036	-	5.1.0	Rel-5	Corrections in the procedures for handling failure SIP response	approved	F	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	N2
NP-030091	23.278	039	-	5.1.0	Rel-5	Inconsistency in Call Information Report in Re-Connect Case	approved	F	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	N2
NP-030087	29.078	298	1	5.2.0	Rel-5	Correction to Call Information Request	approved	F	5.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2

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NP-030086	29.078	299	1	3.14.0	R99	ASN.1 syntax basic corrections	approved	F	3.15.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-030086	29.078	300	-	4.7.0	Rel-4	ASN.1 syntax basic corrections	approved	A	4.8.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-030087	29.078	301	-	5.2.0	Rel-5	ASN.1 syntax basic corrections	approved	F	5.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-030087	29.078	302	-	5.2.0	Rel-5	ASN operation package definition for PlayTone	approved	F	5.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-030087	29.078	304	1	5.2.0	Rel-5	Correction to ASN.1 syntax for CWA	approved	F	5.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-030087	29.078	305	1	5.2.0	Rel-5	Disallowing ACH-GPRS when PDPc already disconnected	approved	F	5.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-030087	29.078	306	2	5.2.0	Rel-5	Missing parameter (Charge Indicator)	approved	F	5.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-030087	29.078	307	-	5.2.0	Rel-5	Adding unknownCSId Error to Continue With Argument	approved	F	5.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2
NP-030090	29.278	004	-	5.1.0	Rel-5	ASN.1 syntax basic corrections for IMS CAMEL	approved	F	5.2.0		N2
NP-030074	09.61	A047	1	6.9.0	R97	Correction of references and specification corrections	approved	F	6.10.0	General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet Data Networks (PDN)	N3
NP-030074	09.61	A048	1	7.8.0	R98	Correction of references and specification corrections	approved	A	7.9.0	General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet Data Networks (PDN)	N3
NP-030078	23.172	007	1	5.1.0	Rel-5	Two-step HLR interrogation for SCUDIF calls	rejected	F			N3
NP-030076	23.910	044	1	4.6.0	Rel-4	Use of Nb UP protocol after inter-MSC handover	approved	F	4.7.0	Circuit switched data bearer services	N3
NP-030076	23.910	045	1	5.2.0	Rel-5	Use of Nb UP protocol after inter-MSC handover	approved	A	5.3.0	Circuit switched data bearer services	N3
NP-030074	24.022	008	1	5.1.0	Rel-5	Correction of References and specification Corrections	approved	F	5.2.0	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	N3
NP-030075	27.001	083	1	4.8.0	Rel-4	Removal of S reference point within the MS	approved	F	4.9.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3

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NP-030075	27.001	084	1	5.4.0	Rel-5	Removal of S reference point within the MS and introduction of GERAN Iu mode	approved	F	5.5.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-030077	29.007	065	-	5.4.0	Rel-5	Correction of erroneous implemented CRs	approved	F	5.5.0	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-030076	29.007	066	1	4.6.0	Rel-4	Use of Nb UP protocol after inter-MSC handover	approved	F	4.7.0	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-030076	29.007	067	1	5.4.0	Rel-5	Use of Nb UP protocol after inter-MSC handover	approved	A	5.5.0	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-030079	29.061	080	-	5.4.0	Rel-5	Terminology correction	approved	F	5.5.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-030074	29.061	081	1	3.11.0	R99	Correction of references and specification corrections	approved	A	3.12.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-030074	29.061	082	1	4.6.0	Rel-4	Correction of references and specification corrections	approved	A	4.7.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-030074	29.061	083	1	5.4.0	Rel-5	Correction of references and specification corrections	approved	A	5.5.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-030080	29.207	073	2	5.2.0	Rel-5	Terminology corrections and capability section update	approved	F	5.3.0	End to end Quality of Service (QoS); stage 3	N3
NP-030080	29.207	075	-	5.2.0	Rel-5	Invalid Flow ID	approved	F	5.3.0	End to end Quality of Service (QoS); stage 3	N3
NP-030080	29.207	076	1	5.2.0	Rel-5	Clarification to binding information handling	approved	F	5.3.0	End to end Quality of Service (QoS); stage 3	N3
NP-030080	29.207	077	1	5.2.0	Rel-5	Restrictions to PDP context policy decisions	approved	F	5.3.0	End to end Quality of Service (QoS); stage 3	N3
NP-030080	29.207	078	1	5.2.0	Rel-5	Mechanism for wildcarding filter elements	approved	F	5.3.0	End to end Quality of Service (QoS); stage 3	N3
NP-030080	29.207	081	3	5.2.0	Rel-5	Reject change of token in PDP context modification	approved	F	5.3.0	End to end Quality of Service (QoS); stage 3	N3
NP-030080	29.207	084	2	5.2.0	Rel-5	Clarification on TFT filters	approved	F	5.3.0	End to end Quality of Service (QoS); stage 3	N3

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NP-030080	29.207	088	-	5.2.0	Rel-5	Correction of what is identified with the policy element AUTH_SESSION	approved	F	5.3.0	End to end Quality of Service (QoS); stage 3	N3
NP-030081	29.208	019	3	5.2.0	Rel-5	mapping rules for QoS authorization	approved	F	5.3.0	End to end Quality of Service (QoS) signalling flows	N3
NP-030081	29.208	021	2	5.2.0	Rel-5	Correction of a clash	approved	F	5.3.0	End to end Quality of Service (QoS) signalling flows	N3
NP-030081	29.208	022	-	5.2.0	Rel-5	Addition of the SDP directional attribute "inactive".	approved	F	5.3.0	End to end Quality of Service (QoS) signalling flows	N3
NP-030081	29.208	025	2	5.2.0	Rel-5	Adding of the Resume case	approved	F	5.3.0	End to end Quality of Service (QoS) signalling flows	N3
NP-030081	29.208	026	1	5.2.0	Rel-5	Clarification on PDP context modification	approved	F	5.3.0	End to end Quality of Service (QoS) signalling flows	N3
NP-030081	29.208	029	2	5.2.0	Rel-5	Correction and clarification that is needed in some cases	approved	F	5.3.0	End to end Quality of Service (QoS) signalling flows	N3
NP-030081	29.208	031	-	5.2.0	Rel-5	Corrections in the table 7.1.1.2 and in the table 7.2.2.1.	approved	F	5.3.0	End to end Quality of Service (QoS) signalling flows	N3
NP-030076	29.415	006	1	4.2.0	Rel-4	No backward compatibility to Nb UP FP support mode version 1	approved	F	4.3.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N3
NP-030076	29.415	007	1	5.0.0	Rel-5	No backward compatibility to Nb UP FP support mode version 1	approved	A	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N3
NP-030098	09.02	A332	1	5.17.1	R96	Change of SS-Code List description for Insert Subscriber Data	approved	F	5.18.0	Mobile Application Part (MAP) Specification	N4
NP-030098	09.02	A333	1	6.12.0	R97	Change of SS-Code List description for Insert Subscriber Data	approved	A	6.13.0	Mobile Application Part (MAP) Specification	N4
NP-030098	09.02	A334	1	7.12.0	R98	Change of SS-Code List description for Insert Subscriber Data	approved	A	7.13.0	Mobile Application Part (MAP) Specification	N4
NP-030101	23.008	065	1	5.3.0	Rel-5	Clarification of IMPU barring handling	approved	F	5.4.0	Organisation of subscriber data	N4
NP-030101	23.008	067	1	5.3.0	Rel-5	Definition of the Subscribed Media Profile Identifier	approved	F	5.4.0	Organisation of subscriber data	N4
NP-030112	23.011	003	3	5.0.0	Rel-6	Introducing SMS Call Barring in PS domain	approved	C	6.0.0	Technical realization of Supplementary Services	N4
NP-030112	23.016	030	1	5.1.0	Rel-6	Introducing SMS Call Barring in PS domain	approved	C	6.0.0	Subscriber data management; Stage 2	N4
NP-030095	23.018	116	1	3.11.0	R99	Correction to wrong implementation of approved CR 089r2 and 096	approved	F	3.12.0	Basic Call Handling; Technical realization	N4
NP-030095	23.018	117	-	4.6.0	Rel-4	Correction to wrong implementation of approved CR 089r2 and 096	approved	A	4.7.0	Basic Call Handling; Technical realization	N4
NP-030095	23.018	118	-	5.5.0	Rel-5	Correction to wrong implementation of approved CR 089r2 and 096	approved	A	5.6.0	Basic Call Handling; Technical realization	N4
NP-030113	23.067	011	1	5.0.0	Rel-6	Optional additional priority level for subscription to accommodate Priority Service	approved	C	6.0.0	Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2	N4
NP-030103	23.081	007	1	5.1.0	Rel-5	Correction to the inclusion of Generic Number in SRI	approved	F	5.2.0	Line Identification supplementary services; Stage 2	N4
NP-030112	23.088	003	1	5.0.0	Rel-6	Introducing SMS Call Barring in PS domain	approved	C	6.0.0	Call Barring (CB) Supplementary Service; Stage 2	N4
NP-030097	23.153	052	-	4.6.0	Rel-4	Setting Of Guaranteed Bitrate & Maximum Bitrate	approved	F	4.7.0	Out of Band Transcoder Control; Stage 2	N4

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NP-030097	23.153	053	-	5.3.0	Rel-5	Setting Of Guaranteed Bitrate & Maximum Bitrate	approved	A	5.4.0	Out of Band Transcoder Control; Stage 2	N4
NP-030108	23.205	039	1	5.4.0	Rel-5	Bearer Release for Iu CS on IP	approved	F	5.5.0	Bearer-independent circuit-switched core network; Stage 2	N4
NP-030112	24.088	001	2	5.0.0	Rel-6	Introducing SMS Call Barring in PS domain	approved	C	6.0.0	Call Barring (CB) Supplementary Service; Stage 3	N4
NP-030104	29.002	500	3	5.4.0	Rel-5	Addition of Positioning Data IE to Provide Subscriber Location and Send Location Report	approved	F	5.5.0	Mobile Application Part (MAP) specification	N4
NP-030112	29.002	509	2	6.0.0	Rel-6	Introduction of Call Barring for SMS in PS domain	approved	C	6.1.0	Mobile Application Part (MAP) specification	N4
NP-030110	29.002	523	3	5.4.0	Rel-5	Editorial clean-up of SMS procedures chapter	approved	F	5.5.0	Mobile Application Part (MAP) specification	N4
NP-030110	29.002	524	3	6.0.0	Rel-6	Editorial clean-up of SMS procedures chapter	approved	A	6.1.0	Mobile Application Part (MAP) specification	N4
NP-030111	29.002	526	-	6.0.0	Rel-6	Incrementing ASN.1 module versions	approved	F	6.1.0	Mobile Application Part (MAP) specification	N4
NP-030104	29.002	527	-	5.4.0	Rel-5	LCS diagnostic alignment	approved	F	5.5.0	Mobile Application Part (MAP) specification	N4
NP-030104	29.002	528	-	6.0.0	Rel-6	LCS diagnostic alignment	approved	A	6.1.0	Mobile Application Part (MAP) specification	N4
NP-030114	29.002	529	-	6.0.0	Rel-6	Addition of LCS Capability Set 4	approved	F	6.1.0	Mobile Application Part (MAP) specification	N4
NP-030099	29.002	530	1	3.15.0	R99	Correction to the definitions of Radio Resource List and BSSMAP Service Handover List	approved	F	3.16.0	Mobile Application Part (MAP) specification	N4
NP-030099	29.002	531	1	4.10.0	Rel-4	Correction to the definitions of Radio Resource List and BSSMAP Service Handover List	approved	A	4.11.0	Mobile Application Part (MAP) specification	N4
NP-030099	29.002	532	1	5.4.0	Rel-5	Correction to the definitions of Radio Resource List and BSSMAP Service Handover List	approved	A	5.5.0	Mobile Application Part (MAP) specification	N4
NP-030099	29.002	533	1	6.0.0	Rel-6	Correction to the definitions of Radio Resource List and BSSMAP Service Handover List	approved	A	6.1.0	Mobile Application Part (MAP) specification	N4
NP-030100	29.002	538	2	3.15.0	R99	Handover of Group Calls where MSC-B has bearer established	approved	F	3.16.0	Mobile Application Part (MAP) specification	N4
NP-030100	29.002	539	2	4.10.0	Rel-4	Handover of Group Calls where MSC-B has bearer established	approved	A	4.11.0	Mobile Application Part (MAP) specification	N4
NP-030100	29.002	540	2	5.4.0	Rel-5	Handover of Group Calls where MSC-B has bearer established	approved	A	5.5.0	Mobile Application Part (MAP) specification	N4
NP-030100	29.002	541	2	6.0.0	Rel-6	Handover of Group Calls where MSC-B has bearer established	approved	A	6.1.0	Mobile Application Part (MAP) specification	N4
NP-030068	29.002	542	3	3.15.0	R99	Correction to interactions between CAMEL control of MO SMS and barring	approved	F	3.16.0	Mobile Application Part (MAP) specification	N4
NP-030068	29.002	543	2	4.10.0	Rel-4	Correction to interactions between CAMEL control of MO SMS and barring	approved	A	4.11.0	Mobile Application Part (MAP) specification	N4
NP-030068	29.002	544	2	5.4.0	Rel-5	Correction to interactions between CAMEL control of MO SMS and barring	approved	A	5.5.0	Mobile Application Part (MAP) specification	N4
NP-030068	29.002	545	2	6.0.0	Rel-6	Correction to interactions between CAMEL control of MO SMS and barring	approved	A	6.1.0	Mobile Application Part (MAP) specification	N4
NP-030098	29.002	548	1	3.15.0	R99	Change of SS-Code List description for Insert Subscriber Data	approved	A	3.16.0	Mobile Application Part (MAP) specification	N4

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NP-030098	29.002	549	1	4.10.0	Rel-4	Change of SS-Code List description for Insert Subscriber Data	approved	A	4.11.0	Mobile Application Part (MAP) specification	N4
NP-030098	29.002	550	1	5.4.0	Rel-5	Change of SS-Code List description for Insert Subscriber Data	approved	A	5.5.0	Mobile Application Part (MAP) specification	N4
NP-030098	29.002	551	1	6.0.0	Rel-6	Change of SS-Code List description for Insert Subscriber Data	approved	A	6.1.0	Mobile Application Part (MAP) specification	N4
NP-030109	29.002	558	1	5.4.0	Rel-5	Missing of “Continue Monitoring message” in SDL 21.7_3.2	approved	F	5.5.0	Mobile Application Part (MAP) specification	N4
NP-030109	29.002	559	1	6.0.0	Rel-6	Missing of “Continue Monitoring message” in SDL 21.7_3.2	approved	A	6.1.0	Mobile Application Part (MAP) specification	N4
NP-030106	29.002	560	2	5.4.0	Rel-5	Two-step HLR interrogation for SCUDIF calls	rejected	F		Mobile Application Part (MAP) specification	N4
NP-030106	29.002	561	2	6.0.0	Rel-6	Two-step HLR interrogation for SCUDIF calls	rejected	A		Mobile Application Part (MAP) specification	N4
NP-030105	29.002	562	1	5.4.0	Rel-5	Alignment of TS 29.002 with TS 23.172 regarding QoS subscribed data	approved	F	5.5.0	Mobile Application Part (MAP) specification	N4
NP-030105	29.002	563	1	6.0.0	Rel-6	Alignment of TS 29.002 with TS 23.172 regarding QoS subscribed data	approved	A	6.1.0	Mobile Application Part (MAP) specification	N4
NP-030114	29.002	566	1	6.0.0	Rel-6	Intoduction of MSC Number in MAP-SEND-IDENTIFICATION message	approved	F	6.1.0	Mobile Application Part (MAP) specification	N4
NP-030104	29.002	568	2	6.0.0	Rel-6	Addition of Positioning Data IE to Provide Subscriber Location and Send Location Report	approved	A	6.1.0	Mobile Application Part (MAP) specification	N4
NP-030096	29.060	384	1	3.15.0	R99	Reinstatement of cause code version not supported	approved	F	3.16.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-030096	29.060	385	1	4.6.0	Rel-4	Reinstatement of cause code version not supported	approved	A	4.7.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-030096	29.060	386	1	5.4.0	Rel-5	Reinstatement of cause code version not supported	approved	A	5.5.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-030107	29.060	387	-	5.4.0	Rel-5	Correction on handling of PCO	approved	F	5.5.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-030107	29.060	388	-	5.4.0	Rel-5	Removal of the N3-BUFFER-SIZE parameter	approved	F	5.5.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-030107	29.060	389	-	5.4.0	Rel-5	Correction of presence requirement for the PCO IE	approved	F	5.5.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-030114	29.060	390	1	5.4.0	Rel-6	Intoduction of SGSN Number in SGSN Context Request message	approved	B	6.0.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-030107	29.060	395	3	5.4.0	Rel-5	TEID for GTP-C messages related to unknown PDP Contexts	approved	F	5.5.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4

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NP-030107	29.060	399	-	5.4.0	Rel-5	Correction of GTP' references	approved	F	5.5.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-030107	29.060	402	2	5.4.0	Rel-5	IPv4 and IPv6 form of Charging Gateway Address	approved	F	5.5.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-030114	29.060	403	-	5.4.0	Rel-6	Indroduction of SGSN number in forward reallocation response message	approved	B	6.0.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-030101	29.228	024	1	5.2.0	Rel-5	Clarification of the User_Authorization_Type AVP value at REGISTRATION time when no IMPU has been registered	approved	F	5.3.0	IP Multimedia (IM) Subsystem Cx Interface; Signalling flows and message contents	N4
NP-030101	29.228	025	1	5.2.0	Rel-5	Clarification of service profile download at service profile modification	approved	F	5.3.0	IP Multimedia (IM) Subsystem Cx Interface; Signalling flows and message contents	N4
NP-030101	29.228	026	-	5.2.0	Rel-5	Error in definition of Service Point of Interest class	approved	F	5.3.0	IP Multimedia (IM) Subsystem Cx Interface; Signalling flows and message contents	N4
NP-030101	29.228	027	-	5.2.0	Rel-5	Deletion of Annex F	approved	F	5.3.0	IP Multimedia (IM) Subsystem Cx Interface; Signalling flows and message contents	N4
NP-030101	29.228	028	-	5.2.0	Rel-5	Filter ID field removal in InitialFilterCriteria class	approved	F	5.3.0	IP Multimedia (IM) Subsystem Cx Interface; Signalling flows and message contents	N4
NP-030101	29.228	029	-	5.2.0	Rel-5	Clarification of User-Authorization-Type AVP usage	approved	F	5.3.0	IP Multimedia (IM) Subsystem Cx Interface; Signalling flows and message contents	N4
NP-030101	29.228	030	1	5.2.0	Rel-5	Clarification of IMPU barring handling	approved	F	5.3.0	IP Multimedia (IM) Subsystem Cx Interface; Signalling flows and message contents	N4
NP-030101	29.228	031	1	5.2.0	Rel-5	Update TS 29.228 after Diameter has become RFC	approved	F	5.3.0	IP Multimedia (IM) Subsystem Cx Interface; Signalling flows and message contents	N4
NP-030101	29.228	032	1	5.2.0	Rel-5	The default public user identity in the Server-Assignment-Answer	approved	F	5.3.0	IP Multimedia (IM) Subsystem Cx Interface; Signalling flows and message contents	N4
NP-030101	29.228	033	1	5.2.0	Rel-5	Replacement of the NAS-Session-Key AVP	approved	F	5.3.0	IP Multimedia (IM) Subsystem Cx Interface; Signalling flows and message contents	N4
NP-030101	29.228	034	2	5.2.0	Rel-5	Corrections to service profile	approved	F	5.3.0	IP Multimedia (IM) Subsystem Cx Interface; Signalling flows and message contents	N4
NP-030101	29.228	035	2	5.2.0	Rel-5	Clarification on the re-allocation of S-CSCF	approved	F	5.3.0	IP Multimedia (IM) Subsystem Cx Interface; Signalling flows and message contents	N4
NP-030101	29.228	037	3	5.2.0	Rel-5	Handling of non supported data in the S-CSCF when the profile	approved	F	5.3.0	IP Multimedia (IM) Subsystem Cx Interface; Signalling flows and message contents	N4

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NP-030101	29.228	038	1	5.2.0	Rel-5	Change of SPI to SPT	approved	F	5.3.0	IP Multimedia (IM) Subsystem Cx Interface; Signalling flows and message contents	N4
NP-030101	29.228	040	1	5.2.0	Rel-5	Definition of the Subscribed Media Profile Identifier	approved	F	5.3.0	IP Multimedia (IM) Subsystem Cx Interface; Signalling flows and message contents	N4
NP-030101	29.229	012	1	5.2.0	Rel-5	Update TS 29.229 after Diameter has become RFC	approved	F	5.3.0	Cx Interface based on the Diameter protocol; Protocol details	N4
NP-030101	29.229	013	-	5.2.0	Rel-5	Replacement of the NAS-Session-Key AVP	approved	F	5.3.0	Cx Interface based on the Diameter protocol; Protocol details	N4
NP-030101	29.229	014	-	5.2.0	Rel-5	Correction to the values of User-Authorizatin-Type AVP	approved	F	5.3.0	Cx Interface based on the Diameter protocol; Protocol details	N4
NP-030101	29.229	015	1	5.2.0	Rel-5	Clarification on the re-allocation of S-CSCF	approved	F	5.3.0	Cx Interface based on the Diameter protocol; Protocol details	N4
NP-030101	29.229	018	1	5.2.0	Rel-5	Handling of non supported data in the S-CSCF when the profile is being updated	approved	F	5.3.0	Cx Interface based on the Diameter protocol; Protocol details	N4
NP-030108	29.232	053	-	5.4.0	Rel-5	Update to 3GUP package – clarification of Iu Initialisation handling	approved	F	5.5.0	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4
NP-030108	29.232	054	1	5.4.0	Rel-5	Update to 3GUP package - addition of reference to SDU format definition for Nb interface	approved	F	5.5.0	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4
NP-030102	29.328	012	3	5.2.1	Rel-5	Initial Filter Criteria	approved	F	5.3.0		N4
NP-030102	29.328	015	-	5.2.1	Rel-5	Deletion of Annex E	approved	F	5.3.0		N4
NP-030102	29.328	016	2	5.2.1	Rel-5	Update TS 29.328 after Diameter has become RFC	approved	F	5.3.0		N4
NP-030102	29.328	017	1	5.2.1	Rel-5	Correction to application server identity	approved	F	5.3.0		N4
NP-030102	29.328	018	2	5.2.1	Rel-5	Clarification on Sh interface for charging purposes	approved	F	5.3.0		N4
NP-030102	29.328	019	1	5.2.1	Rel-5	Change of SPI to SPT	approved	F	5.3.0		N4
NP-030102	29.329	005	1	5.2.0	Rel-5	Initial Filter Criteria	approved	F	5.3.0		N4
NP-030102	29.329	007	2	5.2.0	Rel-5	Update TS 29.329 after Diameter has become RFC	approved	F	5.3.0		N4
NP-030102	29.329	008	-	5.2.0	Rel-5	Correction to application server identity	approved	F	5.3.0		N4
NP-030102	29.329	009	-	5.2.0	Rel-5	Clarification on Sh interface for charging purposes	approved	F	5.3.0		N4
NP-030102	29.329	011	-	5.2.0	Rel-5	Missing code-point in Data-Reference AVP	approved	F	5.3.0		N4
NP-030102	29.329	013	-	5.2.0	Rel-5	RegistrationState alignment	approved	F	5.3.0		N4
NP-030018	29.198-02	023	-	4.4.0	Rel-4	Correction to defintion of sessionID	approved	F	4.5.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	N5
NP-030018	29.198-02	024	-	4.4.0	Rel-4	Clarification on uniqueness of assignmentID	approved	F	4.5.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	N5
NP-030018	29.198-02	025	-	5.1.1	Rel-5	Clarification on uniqueness of assignmentID	approved	A	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	N5
NP-030018	29.198-02	026	-	4.4.0	Rel-4	Correction to P_INVALID_STATE value	approved	F	4.5.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	N5
NP-030018	29.198-02	027	-	5.1.1	Rel-5	Correction to P_INVALID_STATE value	approved	A	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	N5

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NP-030018	29.198-02	028	-	4.4.0	Rel-4	Addition of Support of National Numbering Plans	approved	F	4.5.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	N5
NP-030018	29.198-02	029	-	5.1.1	Rel-5	Addition of Support of National Numbering Plans	approved	A	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	N5
NP-030027	29.198-02	030	-	5.1.1	Rel-5	Addition of Numbered List of Data Elements definition	approved	F	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	N5
NP-030027	29.198-02	031	-	5.1.1	Rel-5	Correction of Exception Hierarchy to align with Java Realisation	approved	F	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	N5
NP-030027	29.198-02	032	-	5.1.1	Rel-5	Promotion of TpDataSessionQosClass dat type definition to the Common Data Types	approved	F	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	N5
NP-030019	29.198-03	060	-	4.6.0	Rel-4	Correction of status of methods to interfaces in clause 7.3	approved	F	4.7.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-030019	29.198-03	061	-	4.6.0	Rel-4	Correction of status of methods to interfaces in clause 8.3	approved	F	4.7.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-030019	29.198-03	062	-	4.6.0	Rel-4	Correction to Initial Access Sequence Diagram	approved	F	4.7.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-030019	29.198-03	063	-	5.1.0	Rel-5	Correction to Initial Access Sequence Diagram	approved	A	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-030019	29.198-03	064	-	4.6.0	Rel-4	Enable creation/destruction of load level notifications at the request of Framework	approved	F	4.7.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-030019	29.198-03	065	-	5.1.0	Rel-5	Enable creation/destruction of load level notifications at the request of Framework	approved	A	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-030019	29.198-03	066	-	4.6.0	Rel-4	Correction of Sequence for Framework – Service load management	approved	F	4.7.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-030019	29.198-03	067	-	5.1.0	Rel-5	Correction of Sequence for Framework – Service load management	approved	A	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-030028	29.198-03	068	-	5.1.0	Rel-5	Correction to Application's requirements for supporting methods	approved	F	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-030028	29.198-03	069	-	5.1.0	Rel-5	Correction of status of methods to interfaces in clause 7.3	approved	F	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-030028	29.198-03	070	-	5.1.0	Rel-5	Correction of status of methods to interfaces in clause 8.3	approved	F	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5

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NP-030028	29.198-03	071	-	5.1.0	Rel-5	Correction of status of methods to interfaces in clause 6.3	approved	F	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-030019	29.198-03	072	-	4.6.0	Rel-4	Correction of status of methods to interfaces in clause 6.3	approved	F	4.7.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-030019	29.198-03	073	-	4.6.0	Rel-4	Add Initial Load Notification report for Framework Integrity Management Load Notification model	approved	F	4.7.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-030019	29.198-03	074	-	5.1.0	Rel-5	Add Initial Load Notification report for Framework Integrity Management Load Notification model	approved	A	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-030028	29.198-03	075	-	5.1.0	Rel-5	Adding the appAvailStatusInd() and svcAvailStatusInd() methods	approved	F	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-030028	29.198-03	076	-	5.1.0	Rel-5	Remove race condition in signServiceAgreement	approved	F	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-030028	29.198-03	077	-	5.1.0	Rel-5	Change reference to deprecated method "authenticate" in TpAuthMechanism to "challenge"	approved	F	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5
NP-030020	29.198-04	058	-	4.5.0	Rel-4	Correction of status of methods to interfaces in clause 6.3	approved	F	4.6.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-030020	29.198-04	059	-	4.5.0	Rel-4	Correction to TpReleaseCauseSet in Multi Party Call Control	approved	F	4.6.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-030020	29.198-04	060	-	4.5.0	Rel-4	Correction to Sequence Diagrams to remove incorrect Framework references	approved	F	4.6.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-030020	29.198-04	061	-	4.5.0	Rel-4	Correction to User Interaction Prepaid Sequence Diagrams	approved	F	4.6.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-030020	29.198-04	062	-	4.5.0	Rel-4	Correction to remove unused TpCallChargeOrder	approved	F	4.6.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-030020	29.198-04	063	-	4.5.0	Rel-4	Correction to TpCallEventCriteriaResult in Generic Call Control	approved	F	4.6.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-030020	29.198-04	064	-	4.5.0	Rel-4	Correction of status of methods to interfaces in clause 7.3	approved	F	4.6.0	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5
NP-030029	29.198-04-1	003	-	5.1.0	Rel-5	Correction to Application's requirements for supporting methods	approved	F	5.2.0		N5
NP-030020	29.198-04-1	004	-	5.1.0	Rel-5	Correction to remove unused TpCallChargeOrder	approved	A	5.2.0		N5
NP-030020	29.198-04-2	003	-	5.1.0	Rel-5	Correction of status of GCC methods	approved	A	5.2.0		N5

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NP-030020	29.198-04-2	004	-	5.1.0	Rel-5	Correction to Prepaid Sequence Diagram	approved	A	5.2.0		N5
NP-030020	29.198-04-2	005	-	5.1.0	Rel-5	Correction to TpCallEventCriteriaResult in Generic Call Control	approved	A	5.2.0		N5
NP-030030	29.198-04-2	006	-	5.1.0	Rel-5	Correction of definition of the P_MAX_CALLLEGS_PER_CALL	withdrawn	F			N5
NP-030031	29.198-04-3	007	-	5.1.0	Rel-5	Correction of status of MPCC methods	approved	F	5.2.0		N5
NP-030031	29.198-04-3	008	-	5.1.0	Rel-5	Inconsistent description of use of secondary callback	approved	F	5.2.0		N5
NP-030020	29.198-04-3	009	-	5.1.0	Rel-5	Correction to TpReleaseCauseSet in Multi Party Call Control IDL	approved	A	5.2.0		N5
NP-030130	29.198-04-3	010	-	5.1.0	Rel-5	Correction of definition of the P_MAX_CALLLEGS_PER_CALL	approved	F	5.2.0		N5
NP-030032	29.198-04-4	002	-	5.1.0	Rel-5	Correction of status of MMCC methods	approved	F	5.2.0		N5
NP-030032	29.198-04-4	003	-	5.1.0	Rel-5	Correction of TpMediaStreamDataTypeRequest	approved	F	5.2.0		N5
NP-030032	29.198-04-4	004	-	5.1.0	Rel-5	Addition of missing TpMultiMediaCallIdentifierSet to data types	approved	F	5.2.0		N5
NP-030021	29.198-05	022	-	4.5.0	Rel-4	Correction to User Interaction Prepaid Sequence Diagrams	approved	F	4.6.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	N5
NP-030021	29.198-05	023	-	5.1.0	Rel-5	Correction to User Interaction Prepaid Sequence Diagrams	approved	A	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	N5
NP-030021	29.198-05	024	-	4.5.0	Rel-4	Correction to getNotification to remove P_INVALID_CRITERIA exception	approved	F	4.6.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	N5
NP-030021	29.198-05	025	-	5.1.0	Rel-5	Correction to getNotification to remove P_INVALID_CRITERIA exception	approved	A	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	N5
NP-030021	29.198-05	026	-	4.5.0	Rel-4	Inconsistent description of use of secondary callback	approved	F	4.6.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	N5
NP-030021	29.198-05	027	-	4.5.0	Rel-4	Correction of status of methods to User Interaction interfaces	approved	F	4.6.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	N5
NP-030021	29.198-05	028	-	5.1.0	Rel-5	Addition of status of methods to User Interaction interfaces	approved	A	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	N5
NP-030033	29.198-05	029	-	5.1.0	Rel-5	Inconsistent description of use of secondary callback	approved	F	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	N5
NP-030021	29.198-05	030	-	4.5.0	Rel-4	Corrections to User Interaction	approved	F	4.6.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	N5

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NP-030021	29.198-05	031	-	5.1.0	Rel-5	Corrections to User Interaction	approved	A	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	N5
NP-030021	29.198-05	032	-	4.5.0	Rel-4	Correction of User Interaction Event Notification to support non text encodings	approved	F	4.6.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	N5
NP-030021	29.198-05	033	-	5.1.0	Rel-5	Correction of User Interaction Event Notification to support non text encodings	approved	A	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	N5
NP-030022	29.198-06	019	-	4.4.0	Rel-4	Correction of status of methods to Mobility interfaces	approved	F	4.5.0	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	N5
NP-030022	29.198-06	020	-	5.1.0	Rel-5	Addition of status of methods to Mobility interfaces	approved	A	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	N5
NP-030023	29.198-07	009	-	4.4.0	Rel-4	Correction to Class Package – Unable to use service	approved	F	4.5.0	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities	N5
NP-030023	29.198-07	010	-	4.4.0	Rel-4	Correction of status of methods to Terminal Capabilities interfaces	approved	F	4.5.0	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities	N5
NP-030023	29.198-07	011	-	5.2.0	Rel-5	Addition of status of methods to Terminal Capabilities interfaces	approved	A	5.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities	N5
NP-030023	29.198-07	012	-	4.4.0	Rel-4	Correction to TpTerminalCapabilities in Terminal Capabilities	approved	F	4.5.0	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities	N5
NP-030023	29.198-07	013	-	5.2.0	Rel-5	Correction to TpTerminalCapabilities in Terminal Capabilities	approved	A	5.3.0	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities	N5
NP-030024	29.198-08	018	-	4.5.0	Rel-4	Correction of status of methods to Data Session Control interfaces	approved	F	4.6.0	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	N5
NP-030024	29.198-08	019	-	5.1.0	Rel-5	Addition of status of methods to Data Session Control interfaces	approved	A	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	N5
NP-030024	29.198-08	020	-	4.5.0	Rel-4	Corrections to Data Session Control Types	approved	F	4.6.0	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	N5
NP-030024	29.198-08	021	-	5.1.0	Rel-5	Corrections to data types in Data Session Control	approved	A	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	N5
NP-030034	29.198-08	022	-	5.1.0	Rel-5	Inconsistent description of use of secondary callback	approved	F	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	N5
NP-030034	29.198-08	023	-	5.1.0	Rel-5	Promotion of TpDataSessionQosClass data type definition to the Common Data Types	approved	F	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	N5

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NP-030025	29.198-11	015	-	4.3.0	Rel-4	Correction to TpChargingEventCriteria in Account Management	approved	F	4.4.0	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	N5
NP-030025	29.198-11	016	-	5.1.0	Rel-5	Correction to TpChargingEventCriteria in Account Management	approved	A	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	N5
NP-030025	29.198-11	017	-	4.3.0	Rel-4	Correction of status of methods to Account Management interfaces	approved	F	4.4.0	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	N5
NP-030025	29.198-11	018	-	5.1.0	Rel-5	Addition of status of methods to Account Management interfaces	approved	A	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	N5
NP-030035	29.198-11	019	-	5.1.0	Rel-5	Inconsistent description of use of secondary callback	approved	F	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	N5
NP-030026	29.198-12	020	-	4.3.0	Rel-4	Correction of status of methods to Charging interfaces	approved	F	4.4.0	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	N5
NP-030026	29.198-12	021	-	5.1.0	Rel-5	Addition of status of methods to Charging interfaces	approved	A	5.2.0	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	N5
RP-030134	25.212	165	1	5.3.0	Rel-5	Correction of CQI index to bit mapping	approved	F	5.4.0	Multiplexing and channel coding (FDD)	R1
RP-030134	25.212	166	3	5.3.0	Rel-5	Correction of bit scrambling of HS-DSCH	approved	F	5.4.0	Multiplexing and channel coding (FDD)	R1
RP-030134	25.212	168	-	5.3.0	Rel-5	Correction of subscript for modulation scheme information	approved	F	5.4.0	Multiplexing and channel coding (FDD)	R1
RP-030135	25.213	061	1	5.2.0	Rel-5	Removal of the tiny text in Figure 1 and minor corrections to 4.2.1	approved	F	5.3.0	Spreading and modulation (FDD)	R1
RP-030136	25.214	299	5	5.3.0	Rel-5	CQI reporting with TxD	approved	F	5.4.0	Physical layer procedures (FDD)	R1
RP-030136	25.214	313	1	5.3.0	Rel-5	On closed loop transmit diversity mode 1 verification algorithm	approved	F	5.4.0	Physical layer procedures (FDD)	R1
RP-030136	25.214	315	2	5.3.0	Rel-5	Clarification of SSDT and HSDPA	approved	F	5.4.0	Physical layer procedures (FDD)	R1
RP-030132	25.214	316	-	3.11.0	R99	Correction on verification algorithm in Annex 1	approved	F	3.12.0	Physical layer procedures (FDD)	R1
RP-030132	25.214	317	-	4.5.0	Rel-4	Correction on verification algorithm in Annex 1	approved	A	4.6.0	Physical layer procedures (FDD)	R1
RP-030132	25.214	318	-	5.3.0	Rel-5	Correction on verification algorithm in Annex 1	approved	A	5.4.0	Physical layer procedures (FDD)	R1
RP-030017	25.215	133	3	5.2.0	Rel-5	Correction of UTRAN SIR measurement definition	approved	A	5.3.0	Physical layer; Measurements (FDD)	R1
RP-030017	25.215	135	4	3.11.0	R99	Correction of UTRAN SIR measurement definition	rejected	F		Physical layer; Measurements (FDD)	R1
RP-030017	25.215	136	2	4.6.0	Rel-4	Clarification of UTRAN SIR measurement definition	rejected	A		Physical layer; Measurements (FDD)	R1
RP-030138	25.221	109	3	5.3.0	Rel-5	Clarification of number of midamble shifts in different time slots	approved	F	5.4.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-030138	25.221	110	1	5.3.0	Rel-5	Correction to applicable HS-SICH burst types and timeslot formats	approved	F	5.4.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-030138	25.221	111	-	5.3.0	Rel-5	Correction to HS-SCCH minimum timing requirement for UTRA TDD (3.84 Mcps Option)	approved	F	5.4.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-030138	25.221	112	3	5.3.0	Rel-5	Miscellaneous Corrections	approved	F	5.4.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1

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RP-030138	25.221	113	-	5.3.0	Rel-5	HSDPA timing requirements	approved	F	5.4.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-030139	25.222	108	1	5.3.0	Rel-5	HSDPA corrections	approved	F	5.4.0	Multiplexing and channel coding (TDD)	R1
RP-030139	25.222	109	3	5.3.0	Rel-5	Miscellaneous Corrections	approved	F	5.4.0	Multiplexing and channel coding (TDD)	R1
RP-030140	25.223	034	3	5.2.0	Rel-5	Miscellaneous Corrections	approved	F	5.3.0	Spreading and modulation (TDD)	R1
RP-030141	25.224	109	1	5.3.0	Rel-5	Corrections to TPC Procedures During a DL Transmission Pause	approved	F	5.4.0	Physical layer procedures (TDD)	R1
RP-030141	25.224	114	1	5.3.0	Rel-5	Corrections to link adaptation procedure for UTRA TDD (3.84 Mcps Option)	approved	F	5.4.0	Physical layer procedures (TDD)	R1
RP-030141	25.224	115	2	5.3.0	Rel-5	Minimum timing requirement for CQI transmission on HS-SICH in UTRA TDD	approved	F	5.4.0	Physical layer procedures (TDD)	R1
RP-030141	25.224	117	2	5.3.0	Rel-5	Clarification of downlink closed loop power control procedures for 3.84 Mcps TDD	approved	F	5.4.0	Physical layer procedures (TDD)	R1
RP-030133	25.224	118	2	4.7.0	Rel-4	Corrections to the LCR power control procedure	approved	F	4.8.0	Physical layer procedures (TDD)	R1
RP-030133	25.224	119	2	5.3.0	Rel-5	Corrections to the LCR power control procedure	approved	A	5.4.0	Physical layer procedures (TDD)	R1
RP-030080	25.225	065	2	5.3.0	Rel-5	Addition of HS-SICH quality measurement for UTRA TDD	approved	F	5.4.0	Physical layer; Measurements (TDD)	R1
RP-030112	25.302	136	-	5.3.0	Rel-5	HCSN in TDD DL physical model	approved	F	5.4.0	Services provided by the physical layer	R2
RP-030112	25.302	137	-	5.3.0	Rel-5	Correction on HSDPA physical channel combination	approved	F	5.4.0	Services provided by the physical layer	R2
RP-030110	25.305	084	-	4.3.0	Rel-4	Update to figure 5.1, LMU terminology	approved	F	4.4.0	Stage 2 functional specification of UE positioning in UTRAN	R2
RP-030110	25.305	085	-	5.4.0	Rel-5	Update to figure 5.1, LMU terminology	approved	A	5.5.0	Stage 2 functional specification of UE positioning in UTRAN	R2
RP-030118	25.306	058	1	3.7.0	R99	Variable Tx/Rx frequency separation in 1800 and 1900 band	rejected	F		UE Radio Access capabilities definition	R2
RP-030118	25.306	059	1	4.6.0	Rel-4	Variable Tx/Rx frequency separation in 1800 and 1900 band	rejected	A		UE Radio Access capabilities definition	R2
RP-030118	25.306	060	1	5.3.0	Rel-5	Variable Tx/Rx frequency separation in 1800 and 1900 band	rejected	A		UE Radio Access capabilities definition	R2
RP-030113	25.306	061	-	5.3.0	Rel-5	Network Assisted Cell Change from UTRAN to GERAN	approved	B	5.4.0	UE Radio Access capabilities definition	R2
RP-030113	25.306	062	-	5.3.0	Rel-5	Modification to the number of soft channel bits required for HS-DSCH (TDD)	approved	F	5.4.0	UE Radio Access capabilities definition	R2
RP-030114	25.308	005	-	5.3.0	Rel-5	Correction on HS-DSCH MAC architecture	approved	F	5.4.0	UTRA High Speed Downlink Packet Access (HSPDA); Overall description; Stage 2	R2
RP-030114	25.308	006	-	5.3.0	Rel-5	Correction to HS-SCCH detection description	approved	F	5.4.0	UTRA High Speed Downlink Packet Access (HSPDA); Overall description; Stage 2	R2
RP-030115	25.321	159	-	5.3.0	Rel-5	TDD HCSN determination in MAC-hs	approved	F	5.4.0	Medium Access Control (MAC) protocol specification	R2
RP-030115	25.321	160	-	5.3.0	Rel-5	Correction to the use of Transport Block Size index equal to 111111 for TDD	approved	F	5.4.0	Medium Access Control (MAC) protocol specification	R2
RP-030115	25.321	163	-	5.3.0	Rel-5	Editorial changes to MAC-hs	approved	D	5.4.0	Medium Access Control (MAC) protocol specification	R2
RP-030100	25.321	164	-	3.14.0	R99	Setting of ciphering activation time for TM bearers.	approved	F	3.15.0	Medium Access Control (MAC) protocol specification	R2
RP-030100	25.321	165	-	4.7.0	Rel-4	Setting of ciphering activation time for TM bearers.	approved	A	4.8.0	Medium Access Control (MAC) protocol specification	R2

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RP-030100	25.321	166	-	5.3.0	Rel-5	Setting of ciphering activation time for TM bearers.	approved	A	5.4.0	Medium Access Control (MAC) protocol specification	R2
RP-030100	25.321	167	1	3.14.0	R99	TFC Control Implementation	approved	F	3.15.0	Medium Access Control (MAC) protocol specification	R2
RP-030100	25.321	168	1	4.7.0	Rel-4	TFC Control Implementation	approved	A	4.8.0	Medium Access Control (MAC) protocol specification	R2
RP-030100	25.321	169	1	5.3.0	Rel-5	TFC Control Implementation	approved	A	5.4.0	Medium Access Control (MAC) protocol specification	R2
RP-030115	25.321	170	-	5.3.0	Rel-5	Re-ordering entity corrections	approved	F	5.4.0	Medium Access Control (MAC) protocol specification	R2
RP-030101	25.322	214	-	3.13.0	R99	Correction to VT(MRW) definition	approved	F	3.14.0	Radio Link Control (RLC) protocol specification	R2
RP-030101	25.322	215	-	4.7.0	Rel-4	Correction to VT(MRW) definition	approved	A	4.8.0	Radio Link Control (RLC) protocol specification	R2
RP-030101	25.322	216	-	5.3.0	Rel-5	Correction to VT(MRW) definition	approved	A	5.4.0	Radio Link Control (RLC) protocol specification	R2
RP-030116	25.322	217	-	5.3.0	Rel-5	Enhancement of MRW procedure	approved	C	5.4.0	Radio Link Control (RLC) protocol specification	R2
RP-030102	25.324	014	1	3.6.0	R99	Maximum size of BMC PDU	approved	F	3.7.0	Broadcast/Multicast Control (BMC)	R2
RP-030102	25.324	015	1	4.2.0	Rel-4	Maximum size of BMC PDU	approved	A	4.3.0	Broadcast/Multicast Control (BMC)	R2
RP-030102	25.324	016	1	5.2.0	Rel-5	Maximum size of BMC PDU	approved	A	5.3.0	Broadcast/Multicast Control (BMC)	R2
RP-030103	25.331	1811	-	3.13.0	R99	ASN.1 of the SRNS relocation Info	approved	F	3.14.0	Radio Resource Control (RRC) protocol specification	R2
RP-030103	25.331	1812	-	4.8.0	Rel-4	ASN.1 of the SRNS relocation Info	approved	A	4.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-030103	25.331	1813	-	5.3.0	Rel-5	ASN.1 of the SRNS relocation Info	approved	A	5.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-030103	25.331	1814	-	3.13.0	R99	Correction to procedural text for Physical Shared Channel Allocation (TDD only)	approved	F	3.14.0	Radio Resource Control (RRC) protocol specification	R2
RP-030103	25.331	1815	-	4.8.0	Rel-4	Correction to procedural text for Physical Shared Channel Allocation (TDD only)	approved	A	4.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-030103	25.331	1816	-	5.3.0	Rel-5	Correction to procedural text for Physical Shared Channel Allocation (TDD only)	approved	A	5.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-030103	25.331	1817	1	3.13.0	R99	CM and state transition related to measurements, additional measurements, virtual active set and periodic measurements	approved	F	3.14.0	Radio Resource Control (RRC) protocol specification	R2
RP-030103	25.331	1818	1	4.8.0	Rel-4	CM and state transition related to measurements, additional measurements, virtual active set and periodic measurements	approved	F	4.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-030103	25.331	1819	1	5.3.0	Rel-5	CM and state transition related to measurements, additional measurements, virtual active set and periodic measurements	approved	A	5.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-030103	25.331	1820	-	3.13.0	R99	Physical channel failure and radio link re-establishment	approved	F	3.14.0	Radio Resource Control (RRC) protocol specification	R2
RP-030103	25.331	1821	-	4.8.0	Rel-4	Physical channel failure and radio link re-establishment	approved	F	4.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-030103	25.331	1822	-	5.3.0	Rel-5	Physical channel failure and radio link re-establishment	approved	A	5.4.0	Radio Resource Control (RRC) protocol specification	R2

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RP-030103	25.331	1823	-	3.13.0	R99	Correction concerning bit numbering convention	approved	F	3.14.0	Radio Resource Control (RRC) protocol specification	R2
RP-030103	25.331	1824	-	4.8.0	Rel-4	Correction concerning bit numbering convention	approved	A	4.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-030103	25.331	1825	-	5.3.0	Rel-5	Correction concerning bit numbering convention	approved	A	5.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-030118	25.331	1826	-	3.13.0	R99	Variable Tx/Rx frequency separation in 1800 and 1900 band	rejected	F		Radio Resource Control (RRC) protocol specification	R2
RP-030118	25.331	1827	-	4.8.0	Rel-4	Variable Tx/Rx frequency separation in 1800 and 1900 band	rejected	A		Radio Resource Control (RRC) protocol specification	R2
RP-030118	25.331	1828	-	5.3.0	Rel-5	Variable Tx/Rx frequency separation in 1800 and 1900 band	rejected	A		Radio Resource Control (RRC) protocol specification	R2
RP-030104	25.331	1829	-	3.13.0	R99	Additional Measurement reporting list	approved	F	3.14.0	Radio Resource Control (RRC) protocol specification	R2
RP-030104	25.331	1830	-	4.8.0	Rel-4	Additional Measurement reporting list	approved	A	4.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-030104	25.331	1831	-	5.3.0	Rel-5	Additional Measurement reporting list	approved	A	5.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-030104	25.331	1832	2	3.13.0	R99	Correction on RRC integrity protection procedure	approved	F	3.14.0	Radio Resource Control (RRC) protocol specification	R2
RP-030104	25.331	1833	2	4.8.0	Rel-4	Correction on RRC integrity protection procedure	approved	A	4.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-030104	25.331	1834	2	5.3.0	Rel-5	Correction on RRC integrity protection procedure	approved	A	5.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-030104	25.331	1835	-	3.13.0	R99	Reporting Cell Status and Event 2A	approved	F	3.14.0	Radio Resource Control (RRC) protocol specification	R2
RP-030104	25.331	1836	-	4.8.0	Rel-4	Reporting Cell Status and Event 2A	approved	A	4.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-030104	25.331	1837	-	5.3.0	Rel-5	Reporting Cell Status and Event 2A	approved	A	5.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-030104	25.331	1838	-	3.13.0	R99	Correction to the handling of variable TGPS_IDENTITY and IE “Triggering condition 1/2”	approved	F	3.14.0	Radio Resource Control (RRC) protocol specification	R2
RP-030104	25.331	1839	-	4.8.0	Rel-4	Correction to the handling of variable TGPS_IDENTITY and IE “Triggering condition 1/2”	approved	A	4.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-030104	25.331	1840	-	5.3.0	Rel-5	Correction to the handling of variable TGPS_IDENTITY and IE “Triggering condition 1/2”	approved	A	5.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-030104	25.331	1841	1	3.13.0	R99	Hard handover with pending ciphering activation times	approved	F	3.14.0	Radio Resource Control (RRC) protocol specification	R2
RP-030104	25.331	1842	1	4.8.0	Rel-4	Hard handover with pending ciphering activation times	approved	A	4.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-030104	25.331	1843	1	5.3.0	Rel-5	Hard handover with pending ciphering activation times	approved	A	5.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-030105	25.331	1844	-	3.13.0	R99	Correction of default configurations	approved	F	3.14.0	Radio Resource Control (RRC) protocol specification	R2
RP-030105	25.331	1845	-	4.8.0	Rel-4	Correction of default configurations	approved	A	4.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-030105	25.331	1846	-	5.3.0	Rel-5	Correction of default configurations	approved	A	5.4.0	Radio Resource Control (RRC) protocol specification	R2

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RP-030105	25.331	1847	-	3.13.0	R99	Correction to UE behaviour on entering RRC Connected mode	approved	F	3.14.0	Radio Resource Control (RRC) protocol specification	R2
RP-030105	25.331	1848	-	4.8.0	Rel-4	Correction to UE behaviour on entering RRC Connected mode	approved	A	4.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-030105	25.331	1849	-	5.3.0	Rel-5	Correction to UE behaviour on entering RRC Connected mode	approved	A	5.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-030105	25.331	1853	-	3.13.0	R99	Update of Start values in USIM on inter-RAT transitions and transitions to idle mode	approved	F	3.14.0	Radio Resource Control (RRC) protocol specification	R2
RP-030105	25.331	1854	-	4.8.0	Rel-4	Update of Start values in USIM on inter-RAT transitions and transitions to idle mode	approved	A	4.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-030105	25.331	1855	-	5.3.0	Rel-5	Update of Start values in USIM on inter-RAT transitions and transitions to idle mode	approved	A	5.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-030082	25.331	1856	-	3.13.0	R99	Corrections to Channelisation Code TFCI Mapping for TDD	approved	F	3.14.0	Radio Resource Control (RRC) protocol specification	R2
RP-030082	25.331	1857	-	4.8.0	Rel-4	Corrections to Channelisation Code TFCI Mapping for TDD	approved	A	4.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-030082	25.331	1858	-	5.3.0	Rel-5	Corrections to Channelisation Code TFCI Mapping for TDD	approved	A	5.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-030111	25.331	1859	-	4.8.0	Rel-4	Correction of PNBSCH for 1.28Mcps TDD	approved	F	4.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-030111	25.331	1860	-	5.3.0	Rel-5	Correction of PNBSCH for 1.28Mcps TDD	approved	A	5.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-030111	25.331	1861	-	4.8.0	Rel-4	Correction of SFN-SFN observed time difference for 1.28Mcps TDD	approved	F	4.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-030111	25.331	1862	-	5.3.0	Rel-5	Correction of SFN-SFN observed time difference for 1.28Mcps TDD	approved	A	5.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-030111	25.331	1863	1	4.8.0	Rel-4	ASN.1 corrections concerning missing UE capability extensions	approved	F	4.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-030111	25.331	1864	3	5.3.0	Rel-5	ASN.1 corrections concerning missing UE capability extensions	approved	F	5.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-030111	25.331	1865	-	4.8.0	Rel-4	Extensions for 1.28 Mcps specific elements in system information	approved	F	4.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-030111	25.331	1866	-	5.3.0	Rel-5	Extensions for 1.28 Mcps specific elements in system information	approved	A	5.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-030111	25.331	1867	-	4.8.0	Rel-4	Corrections to power control parameter signalling for 1.28 Mcps TDD	approved	F	4.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-030111	25.331	1868	-	5.3.0	Rel-5	Corrections to power control parameter signalling for 1.28 Mcps TDD	approved	A	5.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-030117	25.331	1872	-	5.3.0	Rel-5	TDD HS-SICH Power Control	approved	F	5.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-030117	25.331	1873	-	5.3.0	Rel-5	Usage of separate scrambling code for HSDPA	approved	F	5.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-030119	25.331	1874	-	5.3.0	Rel-5	TDD HS-DSCH midamble shift and burst type	approved	F	5.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-030117	25.331	1875	-	5.3.0	Rel-5	Corrections to the IE "Added or Reconfigured MAC-d flow" and the associated table in 10.3.10	approved	F	5.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-030117	25.331	1877	1	5.3.0	Rel-5	Network Assisted Cell Change from UTRAN to GERAN	approved	B	5.4.0	Radio Resource Control (RRC) protocol specification	R2

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RP-030117	25.331	1878	1	5.3.0	Rel-5	Defining more than one DSCH / USCH transport channel in PDSCH and PUSCH system information (TDD only)	approved	F	5.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-030117	25.331	1879	-	5.3.0	Rel-5	Introducing the use of pre-defined configurations within UTRA	approved	C	5.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-030120	25.331	1880	-	5.3.0	Rel-5	Group release (without security)	approved	C	5.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-030105	25.331	1881	1	3.13.0	R99	NAS and Integrity procedure interaction	approved	F	3.14.0	Radio Resource Control (RRC) protocol specification	R2
RP-030105	25.331	1882	-	3.13.0	R99	Correction to Inter-RAT Measurement Report	approved	F	3.14.0	Radio Resource Control (RRC) protocol specification	R2
RP-030105	25.331	1883	-	4.8.0	Rel-4	Correction to Inter-RAT Measurement Report	approved	F	4.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-030105	25.331	1884	-	5.3.0	Rel-5	Correction to Inter-RAT Measurement Report	approved	A	5.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-030106	25.331	1885	-	3.13.0	R99	Correction of signalling of transport block size for DSCH	approved	F	3.14.0	Radio Resource Control (RRC) protocol specification	R2
RP-030106	25.331	1886	-	4.8.0	Rel-4	Correction of signalling of transport block size for DSCH	approved	A	4.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-030106	25.331	1887	-	5.3.0	Rel-5	Correction of signalling of transport block size for DSCH	approved	A	5.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-030106	25.331	1888	-	3.13.0	R99	PS service continuity when moving between 3G and 2G	approved	F	3.14.0	Radio Resource Control (RRC) protocol specification	R2
RP-030106	25.331	1889	-	4.8.0	Rel-4	PS service continuity when moving between 3G and 2G	approved	A	4.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-030106	25.331	1890	-	5.3.0	Rel-5	PS service continuity when moving between 3G and 2G	approved	A	5.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-030106	25.331	1891	1	3.13.0	R99	Multiple activations of the same compressed mode pattern	approved	F	3.14.0	Radio Resource Control (RRC) protocol specification	R2
RP-030106	25.331	1892	1	4.8.0	Rel-4	Multiple activations of the same compressed mode pattern	approved	A	4.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-030106	25.331	1893	1	5.3.0	Rel-5	Multiple activations of the same compressed mode pattern	approved	A	5.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-030106	25.331	1894	-	3.13.0	R99	Setting of ciphering activation time for TM bearers.	approved	F	3.14.0	Radio Resource Control (RRC) protocol specification	R2
RP-030106	25.331	1895	-	4.8.0	Rel-4	Setting of ciphering activation time for TM bearers.	approved	A	4.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-030106	25.331	1896	-	5.3.0	Rel-5	Setting of ciphering activation time for TM bearers.	approved	A	5.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-030117	25.331	1897	-	5.3.0	Rel-5	Correction of shadow CR implementation	approved	F	5.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-030111	25.331	1898	-	4.8.0	Rel-4	Removal of MRRU parameter in PDCP info	approved	F	4.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-030111	25.331	1899	-	5.3.0	Rel-5	Removal of MRRU parameter in PDCP info	approved	A	5.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-030117	25.331	1900	-	5.3.0	Rel-5	Measurement event for evaluation of best HS-DSCH cell	approved	F	5.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-030105	25.331	1901	1	4.8.0	Rel-4	NAS and Integrity procedure interaction	approved	A	4.9.0	Radio Resource Control (RRC) protocol specification	R2

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RP-030105	25.331	1902	1	5.3.0	Rel-5	NAS and Integrity procedure interaction	approved	A	5.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-030117	25.331	1903	-	5.3.0	Rel-5	Correction to USBI	approved	F	5.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-030146	25.331	1904	-	3.13.0	R99	Correction on GPS navigation model update mechanism	withdrawn	F		Radio Resource Control (RRC) protocol specification	R2
RP-030146	25.331	1905	-	4.8.0	Rel-4	Correction on GPS navigation model update mechanism	withdrawn	A		Radio Resource Control (RRC) protocol specification	R2
RP-030146	25.331	1906	-	5.3.0	Rel-5	Correction on GPS navigation model update mechanism	withdrawn	A		Radio Resource Control (RRC) protocol specification	R2
RP-030187	25.331	1907	-	3.13.0	R99	GPS navigation model update mechanism	approved	F	3.14.0	Radio Resource Control (RRC) protocol specification	R2
RP-030187	25.331	1908	-	4.8.0	Rel-4	GPS navigation model update mechanism	approved	A	4.9.0	Radio Resource Control (RRC) protocol specification	R2
RP-030187	25.331	1909	-	5.3.0	Rel-5	GPS navigation model update mechanism	approved	A	5.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-030201	25.331	1910	-	5.3.0	Rel-5	Layer 3 filtering definition	approved	F	5.4.0	Radio Resource Control (RRC) protocol specification	R2
RP-030109	25.993	001	-	6.0.0	Rel-6	Streaming and interactive/background RAB combinations	approved	F	6.1.0		R2
RP-030109	25.993	002	-	6.0.0	Rel-6	QoS attributes for RABs in 25.993	approved	F	6.1.0		R2
RP-030109	25.993	003	-	6.0.0	Rel-6	TDD RABs in 25.993	approved	F	6.1.0		R2
RP-030108	34.109	023	-	3.8.0	R99	Removal of uplink dummy DCCH transmission function in UE	revised	F		Logical Test Interface (TDD and FDD)	R2
RP-030162	34.109	023	1	3.8.0	R99	Removal of uplink dummy DCCH transmission function in UE	approved	F	3.9.0	Logical Test Interface (TDD and FDD)	R2
RP-030108	34.109	024	-	4.4.0	Rel-4	Removal of uplink dummy DCCH transmission function in UE	revised	A		Logical Test Interface (TDD and FDD)	R2
RP-030162	34.109	024	1	4.4.0	Rel-4	Removal of uplink dummy DCCH transmission function in UE	approved	A	4.5.0	Logical Test Interface (TDD and FDD)	R2
RP-030108	34.109	025	-	5.2.0	Rel-5	Removal of uplink dummy DCCH transmission function in UE	revised	A		Logical Test Interface (TDD and FDD)	R2
RP-030162	34.109	025	1	5.2.0	Rel-5	Removal of uplink dummy DCCH transmission function in UE	approved	A	5.3.0	Logical Test Interface (TDD and FDD)	R2
RP-030081	25.215	134	1	5.2.0	Rel-5	Non-HSDPA power measurement	approved	F	5.3.0	Physical layer; Measurements (FDD)	R3
RP-030084	25.401	065	-	5.5.0	Rel-6	CR on revising the definition of SAS to support all REL-4 UE positioning methods	approved	C	6.0.0	UTRAN Overall Description	R3
RP-030060	25.413	546	1	5.3.0	Rel-5	Addition of RAB Subflows mapping onto the transport channel identifiers of Iur in the Source RNC to Target RNC transparent container for HSDPA.	approved	F	5.4.0	UTRAN Iu interface RANAP signalling	R3
RP-030086	25.413	547	1	3.12.0	R99	Transfer of UESBI over Iu	rejected	F		UTRAN Iu interface RANAP signalling	R3
RP-030086	25.413	548	1	4.7.0	Rel-4	Transfer of UESBI over Iu	rejected	A		UTRAN Iu interface RANAP signalling	R3
RP-030067	25.413	549	-	4.7.0	Rel-4	Alignment of “Uncertainty Ellipse” with RRC	approved	F	4.8.0	UTRAN Iu interface RANAP signalling	R3
RP-030067	25.413	550	-	5.3.0	Rel-5	Alignment of “Uncertainty Ellipse” with RRC	approved	A	5.4.0	UTRAN Iu interface RANAP signalling	R3
RP-030056	25.413	551	1	4.7.0	Rel-4	Duplicated Iu Connection Identifiers	approved	F	4.8.0	UTRAN Iu interface RANAP signalling	R3
RP-030056	25.413	552	1	5.3.0	Rel-5	Duplicated Iu Connection Identifiers	approved	A	5.4.0	UTRAN Iu interface RANAP signalling	R3
RP-030086	25.413	555	1	5.3.0	Rel-5	Transfer of UESBI over Iu	rejected	A		UTRAN Iu interface RANAP signalling	R3
RP-030060	25.413	557	1	5.3.0	Rel-5	Introduction of IMS Signalling “flag” into R5 RANAP	approved	B	5.4.0	UTRAN Iu interface RANAP signalling	R3

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RP-030060	25.413	558	-	5.3.0	Rel-5	Correction to RANAP due to GERAN Iu mode	approved	F	5.4.0	UTRAN Iu interface RANAP signalling	R3
RP-030056	25.413	561	-	4.7.0	Rel-4	Essential correction for IMSI coding	approved	F	4.8.0	UTRAN Iu interface RANAP signalling	R3
RP-030056	25.413	562	-	5.3.0	Rel-5	Essential correction of IMSI coding	approved	A	5.4.0	UTRAN Iu interface RANAP signalling	R3
RP-030061	25.414	052	-	5.3.0	Rel-5	Minor cleanup of 25.414	approved	F	5.4.0	UTRAN Iu interface data transport & transport signalling	R3
RP-030054	25.414	053	-	3.12.0	R99	TCP Port number	approved	F	3.13.0	UTRAN Iu interface data transport & transport signalling	R3
RP-030054	25.414	054	-	4.5.0	Rel-4	TCP Port number	approved	A	4.6.0	UTRAN Iu interface data transport & transport signalling	R3
RP-030054	25.414	055	-	5.3.0	Rel-5	TCP Port number	approved	A	5.4.0	UTRAN Iu interface data transport & transport signalling	R3
RP-030057	25.419	107	1	4.6.0	Rel-4	Correction of Write and Replace functions of SABP	approved	F	4.7.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-030057	25.419	108	1	5.2.0	Rel-5	Correction of Write and Replace functions of SABP	approved	A	5.3.0	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3
RP-030068	25.423	766	-	4.7.0	Rel-4	Clarification to DL Power definition for TDD	approved	F	4.8.0	UTRAN Iur interface RNSAP signalling	R3
RP-030068	25.423	767	-	5.4.0	Rel-5	Clarification to DL Power definition for TDD	approved	A	5.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-030077	25.423	768	2	5.4.0	Rel-5	Correction to DL Tx Power for TDD	approved	F	5.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-030072	25.423	769	1	4.7.0	Rel-4	TPC Step Size for TDD	approved	F	4.8.0	UTRAN Iur interface RNSAP signalling	R3
RP-030072	25.423	770	1	5.4.0	Rel-5	TPC Step Size for TDD	approved	A	5.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-030069	25.423	771	-	4.7.0	Rel-4	Clarification to 2nd Interleaving Mode for TDD	approved	F	4.8.0	UTRAN Iur interface RNSAP signalling	R3
RP-030069	25.423	772	-	5.4.0	Rel-5	Clarification to 2nd Interleaving Mode for TDD	approved	A	5.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-030078	25.423	773	1	5.4.0	Rel-5	HS-PDSCH RNSAP Corrections for TDD	approved	F	5.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-030073	25.423	775	1	5.4.0	Rel-5	Clarification of HS-SCCH Power Offset usage in case of multiple HS-SCCHs	approved	F	5.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-030062	25.423	778	-	5.4.0	Rel-5	Correction of Guaranteed DL Rate	approved	F	5.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-030062	25.423	780	1	5.4.0	Rel-5	Correction of the TDD UE capabilities necessary to pass from SRNC to CRNC	approved	F	5.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-030080	25.423	781	1	5.4.0	Rel-5	HS-SICH quality Reporting to support outer loop power control	approved	F	5.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-030082	25.423	782	1	3.12.0	R99	Corrections to Channelisation Code TFCI Mapping for TDD	approved	F	3.13.0	UTRAN Iur interface RNSAP signalling	R3
RP-030082	25.423	783	1	4.7.0	Rel-4	Corrections to Channelisation Code TFCI Mapping for TDD	approved	A	4.8.0	UTRAN Iur interface RNSAP signalling	R3
RP-030082	25.423	784	1	5.4.0	Rel-5	Corrections to Channelisation Code TFCI Mapping for TDD	approved	A	5.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-030070	25.423	785	-	4.7.0	Rel-4	Correction for the Information Exchange Initiation procedure	approved	F	4.8.0	UTRAN Iur interface RNSAP signalling	R3
RP-030070	25.423	786	-	5.4.0	Rel-5	Correction for the Information Exchange Initiation procedure	approved	A	5.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-030074	25.423	787	1	5.4.0	Rel-5	T1 signalling for HSDPA	approved	F	5.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-030055	25.423	788	2	3.12.0	R99	Support of Cell Individual Offset in RNSAP	revised	F		UTRAN Iur interface RNSAP signalling	R3
RP-030160	25.423	788	3	3.12.0	R99	Support of Cell Individual Offset in RNSAP	revised	F		UTRAN Iur interface RNSAP signalling	R3
RP-030168	25.423	788	4	3.12.0	R99	Support of Cell Individual Offset in RNSAP	revised	F		UTRAN Iur interface RNSAP signalling	R3
RP-030183	25.423	788	5	3.12.0	R99	Support of Cell Individual Offset in RNSAP	approved	F	3.13.0	UTRAN Iur interface RNSAP signalling	R3
RP-030055	25.423	789	2	4.7.0	Rel-4	Support of Cell Individual Offset in RNSAP	revised	A		UTRAN Iur interface RNSAP signalling	R3
RP-030160	25.423	789	3	4.7.0	Rel-4	Support of Cell Individual Offset in RNSAP	revised	A		UTRAN Iur interface RNSAP signalling	R3

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RP-030168	25.423	789	4	4.7.0	Rel-4	Support of Cell Individual Offset in RNSAP	revised	A		UTRAN Iur interface RNSAP signalling	R3
RP-030183	25.423	789	5	4.7.0	Rel-4	Support of Cell Individual Offset in RNSAP	approved	A	4.8.0	UTRAN Iur interface RNSAP signalling	R3
RP-030055	25.423	790	2	5.4.0	Rel-5	Support of Cell Individual Offset in RNSAP	revised	A		UTRAN Iur interface RNSAP signalling	R3
RP-030160	25.423	790	3	5.4.0	Rel-5	Support of Cell Individual Offset in RNSAP	revised	A		UTRAN Iur interface RNSAP signalling	R3
RP-030168	25.423	790	4	5.4.0	Rel-5	Support of Cell Individual Offset in RNSAP	revised	A		UTRAN Iur interface RNSAP signalling	R3
RP-030183	25.423	790	5	5.4.0	Rel-5	Support of Cell Individual Offset in RNSAP	approved	A	5.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-030071	25.423	791	-	4.7.0	Rel-4	Midamble Configuration for Midamble Shift LCR	approved	F	4.8.0	UTRAN Iur interface RNSAP signalling	R3
RP-030071	25.423	792	-	5.4.0	Rel-5	Midamble Configuration for Midamble Shift LCR	approved	A	5.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-030067	25.423	795	-	4.7.0	Rel-4	Alignment of “Uncertainty Ellipse” with RRC	approved	F	4.8.0	UTRAN Iur interface RNSAP signalling	R3
RP-030067	25.423	796	-	5.4.0	Rel-5	Alignment of “Uncertainty Ellipse” with RRC	approved	A	5.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-030058	25.423	797	2	4.7.0	Rel-4	Uplink Timing Advance Control Parameters in LCR TDD	approved	F	4.8.0	UTRAN Iur interface RNSAP signalling	R3
RP-030058	25.423	798	2	5.4.0	Rel-5	Uplink Timing Advance Control Parameters in LCR TDD	approved	A	5.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-030119	25.423	800	1	5.4.0	Rel-5	Signalling of Midamble Shift and Burst type for HS-PDSCH in TDD	approved	F	5.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-030066	25.423	801	-	3.12.0	R99	Corrections to DCH Combining in RL SETUP and RL ADDITION	approved	F	3.13.0	UTRAN Iur interface RNSAP signalling	R3
RP-030066	25.423	802	-	4.7.0	Rel-4	Corrections to DCH Combining in RL SETUP and RL ADDITION	approved	A	4.8.0	UTRAN Iur interface RNSAP signalling	R3
RP-030066	25.423	803	-	5.4.0	Rel-5	Corrections to DCH Combining in RL SETUP and RL ADDITION	approved	A	5.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-030058	25.423	808	-	4.7.0	Rel-4	Correction on CGA Additional Shapes	approved	F	4.8.0	UTRAN Iur interface RNSAP signalling	R3
RP-030058	25.423	809	-	5.4.0	Rel-5	Correction on CGA Additional Shapes	approved	A	5.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-030076	25.423	810	2	5.4.0	Rel-5	Guaranteed Bit Rate for HSDPA	approved	F	5.5.0	UTRAN Iur interface RNSAP signalling	R3
RP-030075	25.425	058	-	5.3.0	Rel-5	Clarification for the flow control	approved	F	5.4.0	UTRAN Iur interface user plane protocols for CCH data streams	R3
RP-030068	25.433	790	-	4.7.0	Rel-4	Clarification to DL Power definition for TDD	approved	F	4.8.0	UTRAN Iub interface NBAP signalling	R3
RP-030068	25.433	791	-	5.3.0	Rel-5	Clarification to DL Power definition for TDD	approved	A	5.4.0	UTRAN Iub interface NBAP signalling	R3
RP-030077	25.433	792	3	5.3.0	Rel-5	Correction to DL Tx Power for TDD	approved	F	5.4.0	UTRAN Iub interface NBAP signalling	R3
RP-030072	25.433	793	-	4.7.0	Rel-4	TPC Step Size for TDD	approved	F	4.8.0	UTRAN Iub interface NBAP signalling	R3
RP-030072	25.433	794	-	5.3.0	Rel-5	TPC Step Size for TDD	approved	A	5.4.0	UTRAN Iub interface NBAP signalling	R3
RP-030069	25.433	795	-	4.7.0	Rel-4	Clarification to 2nd Interleaving Mode for TDD	approved	F	4.8.0	UTRAN Iub interface NBAP signalling	R3
RP-030069	25.433	796	-	5.3.0	Rel-5	Clarification to 2nd Interleaving Mode for TDD	approved	A	5.4.0	UTRAN Iub interface NBAP signalling	R3
RP-030063	25.433	797	2	5.3.0	Rel-5	HS-PDSCH Code and Timeslot Resource Assignment for TDD	approved	F	5.4.0	UTRAN Iub interface NBAP signalling	R3
RP-030078	25.433	798	1	5.3.0	Rel-5	HS-PDSCH NBAP Corrections for TDD	approved	F	5.4.0	UTRAN Iub interface NBAP signalling	R3
RP-030073	25.433	800	1	5.3.0	Rel-5	Clarification of HS-SCCH Power Offset usage in case of multiple HS-SCCHs	approved	F	5.4.0	UTRAN Iub interface NBAP signalling	R3
RP-030081	25.433	801	1	5.3.0	Rel-5	HS-DSCH: Addition of non HS-DSCH power measurement.	approved	F	5.4.0	UTRAN Iub interface NBAP signalling	R3
RP-030080	25.433	803	1	5.3.0	Rel-5	HS-SICH quality Reporting to support outer loop power control	approved	F	5.4.0	UTRAN Iub interface NBAP signalling	R3
RP-030082	25.433	804	1	3.12.0	R99	Corrections to Channelisation Code TFCI Mapping for TDD	approved	F	3.13.0	UTRAN Iub interface NBAP signalling	R3
RP-030082	25.433	805	1	4.7.0	Rel-4	Corrections to Channelisation Code TFCI Mapping for TDD	approved	A	4.8.0	UTRAN Iub interface NBAP signalling	R3
RP-030082	25.433	806	1	5.3.0	Rel-5	Corrections to Channelisation Code TFCI Mapping for TDD	approved	A	5.4.0	UTRAN Iub interface NBAP signalling	R3

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RP-030070	25.433	807	-	4.7.0	Rel-4	Correction for the Information Exchange Initiation procedure	approved	F	4.8.0	UTRAN Iub interface NBAP signalling	R3
RP-030070	25.433	808	-	5.3.0	Rel-5	Correction for the Information Exchange Initiation procedure	approved	A	5.4.0	UTRAN Iub interface NBAP signalling	R3
RP-030074	25.433	809	1	5.3.0	Rel-5	T1 signalling for HSDPA	approved	F	5.4.0	UTRAN Iub interface NBAP signalling	R3
RP-030071	25.433	810	-	4.7.0	Rel-4	Midamble Configuration for Midamble Shift LCR	approved	F	4.8.0	UTRAN Iub interface NBAP signalling	R3
RP-030071	25.433	811	-	5.3.0	Rel-5	Midamble Configuration for Midamble Shift LCR	approved	A	5.4.0	UTRAN Iub interface NBAP signalling	R3
RP-030066	25.433	816	-	3.12.0	R99	Corrections to DCH Combining in RL SETUP and RL ADDITION	approved	F	3.13.0	UTRAN Iub interface NBAP signalling	R3
RP-030066	25.433	817	-	4.7.0	Rel-4	Corrections to DCH Combining in RL SETUP and RL ADDITION	approved	A	4.8.0	UTRAN Iub interface NBAP signalling	R3
RP-030066	25.433	818	-	5.3.0	Rel-5	Corrections to DCH Combining in RL SETUP and RL ADDITION	approved	A	5.4.0	UTRAN Iub interface NBAP signalling	R3
RP-030059	25.433	822	-	4.7.0	Rel-4	Correction of PRACH Midamble for 1.28Mcps TDD	approved	F	4.8.0	UTRAN Iub interface NBAP signalling	R3
RP-030059	25.433	823	-	5.3.0	Rel-5	Correction of PRACH Midamble for 1.28Mcps TDD	approved	A	5.4.0	UTRAN Iub interface NBAP signalling	R3
RP-030076	25.433	827	2	5.3.0	Rel-5	Guaranteed Bit Rate for HSDPA	approved	F	5.4.0	UTRAN Iub interface NBAP signalling	R3
RP-030064	25.435	095	2	5.3.0	Rel-5	S-CCPCH power setting in case of no data transmission	rejected	F		UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-030075	25.435	096	-	5.3.0	Rel-5	Clarification for the flow control	approved	F	5.4.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-030084	25.450	003	-	5.1.0	Rel-6	CR on revising the position calculation function and definition of SAS to support all REL-4 UE positioning methods	approved	C	6.0.0	UTRAN Iupc interface general aspects and principles	R3
RP-030084	25.452	001	-	5.0.0	Rel-6	CR on revising the definition of SAS to support all REL-4 UE positioning methods	approved	C	6.0.0	UTRAN Iupc interface signalling transport	R3
RP-030084	25.453	022	2	5.4.0	Rel-6	CR on revising the position calculation function and definition of SAS to support all REL-4 UE positioning methods	approved	C	6.0.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-030065	25.453	023	-	5.4.0	Rel-5	CR on GPS Almanac and Satellite Health	approved	F	5.5.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-030065	25.453	024	-	5.4.0	Rel-5	CR on GPS Measured Results	approved	F	5.5.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-030067	25.453	026	-	5.4.0	Rel-5	Alignment of “Uncertainty Ellipse” with RRC	approved	F	5.5.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-030070	25.453	027	-	5.4.0	Rel-5	Correction for the Information Exchange Initiation procedure	approved	F	5.5.0	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling	R3
RP-030079	29.108	011	1	3.2.0	R99	Corrections to the list of RANAP messages transferred on the E-interface	approved	F	3.3.0	Application of the Radio Access Network Application Part (RANAP) on the E-interface	R3
RP-030079	29.108	012	1	4.3.0	Rel-4	Corrections to the list of RANAP messages transferred on the E-interface	approved	A	4.4.0	Application of the Radio Access Network Application Part (RANAP) on the E-interface	R3

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RP-030079	29.108	013	1	5.2.0	Rel-5	Corrections to the list of RANAP messages transferred on the E-interface	approved	A	5.3.0	Application of the Radio Access Network Application Part (RANAP) on the E-interface	R3
RP-030048	25.101	201	1	5.5.0	Rel-6	Addition of requirement of CSICH demodulation when CA is active.	approved	F	6.0.0	UE Radio transmission and reception (FDD)	R4
RP-030037	25.101	205	1	5.5.0	Rel-5	Phase shift due to power steps	approved	F	5.6.0	UE Radio transmission and reception (FDD)	R4
RP-030118	25.101	207	1	3.12.0	R99	Variable TX/RX frequency separation in the 1800 and 1900 bands	rejected	F		UE Radio transmission and reception (FDD)	R4
RP-030167	25.101	207	2	3.12.0	R99	Variable Tx/Rx frequency separation in the 1800 and 1900 bands	rejected	F		UE Radio transmission and reception (FDD)	R4
RP-030118	25.101	208	1	4.6.0	Rel-4	Variable TX/RX frequency separation in the 1800 and 1900 bands	rejected	A		UE Radio transmission and reception (FDD)	R4
RP-030167	25.101	208	2	4.6.0	Rel-4	Variable Tx/Rx frequency separation in the 1800 and 1900 bands	rejected	A		UE Radio transmission and reception (FDD)	R4
RP-030118	25.101	209	1	5.5.0	Rel-5	Variable TX/RX frequency separation in the 1800 and 1900 bands	rejected	A		UE Radio transmission and reception (FDD)	R4
RP-030167	25.101	209	2	5.5.0	Rel-5	Variable Tx/Rx frequency separation in the 1800 and 1900 bands	rejected	A		UE Radio transmission and reception (FDD)	R4
RP-030046	25.101	212	1	5.5.0	Rel-5	Specification of HSDPA FRC Performance for H-Sets 4 & 5	approved	F	5.6.0	UE Radio transmission and reception (FDD)	R4
RP-030046	25.101	213	1	5.5.0	Rel-5	Specification of HSDPA FRC Performance with Open Loop Transmit Diversity	approved	F	5.6.0	UE Radio transmission and reception (FDD)	R4
RP-030046	25.101	215	1	5.5.0	Rel-5	Clarification of HSDPA FRC Test Procedure on HS-SCCH Signalling Error	approved	F	5.6.0	UE Radio transmission and reception (FDD)	R4
RP-030025	25.101	217	-	3.12.0	R99	The Closed Loop Timing Adjustment Mode parameter for the transmit diversity performance requirements	approved	F	3.13.0	UE Radio transmission and reception (FDD)	R4
RP-030025	25.101	218	-	4.6.0	Rel-4	The Closed Loop Timing Adjustment Mode parameter for the transmit diversity performance requirements	approved	A	4.7.0	UE Radio transmission and reception (FDD)	R4
RP-030025	25.101	219	-	5.5.0	Rel-5	The Closed Loop Timing Adjustment Mode parameter for the transmit diversity performance requirements	approved	A	5.6.0	UE Radio transmission and reception (FDD)	R4
RP-030037	25.101	223	-	5.5.0	Rel-5	Correction to PRACH modulation quality	approved	F	5.6.0	UE Radio transmission and reception (FDD)	R4
RP-030025	25.101	224	-	3.12.0	R99	Downlink power control during compressed mode tests	approved	F	3.13.0	UE Radio transmission and reception (FDD)	R4
RP-030025	25.101	225	-	4.6.0	Rel-4	Downlink power control during compressed mode tests	approved	A	4.7.0	UE Radio transmission and reception (FDD)	R4
RP-030025	25.101	226	-	5.5.0	Rel-5	Downlink power control during compressed mode tests	approved	A	5.6.0	UE Radio transmission and reception (FDD)	R4
RP-030032	25.101	227	-	4.6.0	Rel-4	Correction to PCH demodulation test	approved	F	4.7.0	UE Radio transmission and reception (FDD)	R4
RP-030032	25.101	228	-	5.5.0	Rel-5	Correction to PCH demodulation test	approved	A	5.6.0	UE Radio transmission and reception (FDD)	R4
RP-030038	25.102	133	1	5.3.0	Rel-5	Transmit modulation quality clarification	approved	F	5.4.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-030047	25.102	134	-	5.3.0	Rel-5	Clarification of HSDPA FRC test procedure on HS-SCCH signalling error	approved	F	5.4.0	UTRA (UE) TDD; Radio transmission and reception	R4

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RP-030047	25.102	135	-	5.3.0	Rel-5	Addition of VRC definition for 3.84 Mcps & 1.28 Mcps TDD in Annex A	approved	F	5.4.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-030047	25.102	136	-	5.3.0	Rel-5	Additional VRC performance requirement for 1.28 Mcps TDD option	approved	B	5.4.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-030029	25.104	169	1	3.11.0	R99	Protection of the FDD BS receiver	approved	F	3.12.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-030029	25.104	170	1	4.6.0	Rel-4	Protection of the FDD BS receiver	approved	A	4.7.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-030029	25.104	171	1	5.5.0	Rel-5	Protection of the FDD BS receiver	approved	A	5.6.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-030029	25.104	172	1	6.0.0	Rel-6	Protection of the FDD BS receiver	approved	A	6.1.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-030049	25.104	175	-	6.0.0	Rel-6	Co-siting requirements for different FDD BS classes	approved	B	6.1.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-030049	25.104	177	4	6.0.0	Rel-6	Maximum output power for different BS class	approved	B	6.1.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-030044	25.104	179	1	5.5.0	Rel-5	Clarification of the W-CDMA interferer definition in BS requirements for ACS and blocking characteristics	approved	A	5.6.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-030035	25.104	180	-	4.6.0	Rel-4	Correction to external equipment definition	approved	F	4.7.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-030035	25.104	181	-	5.5.0	Rel-5	Correction to external equipment definition	approved	A	5.6.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-030035	25.104	182	-	6.0.0	Rel-6	Correction to external equipment definition	approved	A	6.1.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-030044	25.104	183	-	6.0.0	Rel-6	Clarification of the W-CDMA interferer definition in BS requirements for ACS and blocking characteristics	approved	A	6.1.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-030049	25.104	184	-	6.0.0	Rel-6	The definition of UTRA-FDD BS classes	approved	F	6.1.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-030030	25.105	145	-	3.12.0	R99	TDD-GSM co-existence in the same geographic area	approved	F	3.13.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-030030	25.105	146	-	4.6.0	Rel-4	TDD-GSM co-existence in the same geographic area	approved	A	4.7.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-030030	25.105	147	-	5.3.0	Rel-5	TDD-GSM co-existence in the same geographic area	approved	A	5.4.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-030035	25.105	148	-	4.6.0	Rel-4	Correction to external equipment definition	approved	F	4.7.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-030035	25.105	149	-	5.3.0	Rel-5	Correction to external equipment definition	approved	A	5.4.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-030045	25.105	150	-	5.3.0	Rel-5	The definition of UTRA-TDD BS classes	approved	F	5.4.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-030036	25.106	020	-	4.4.0	Rel-4	FDD GSM co-existence in the Same Geographic Area	approved	F	4.5.0	UTRA Repeater; Radio transmission and reception	R4
RP-030036	25.106	021	-	5.3.0	Rel-5	FDD GSM co-existence in the Same Geographic Area	approved	A	5.4.0	UTRA Repeater; Radio transmission and reception	R4
RP-030039	25.113	020	-	5.3.0	Rel-5	Assessment of BLER in Uplink for Immunity Test	approved	F	5.4.0	Base station and repeater ElectroMagnetic Compatibility (EMC)	R4
RP-030026	25.123	286	1	4.7.0	Rel-4	Correction of interruption time in TDD Hard Handover	approved	F	4.8.0	Requirements for support of radio resource management (TDD)	R4

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RP-030026	25.123	287	1	5.3.0	Rel-5	Correction of interruption time in TDD Hard Handover	approved	A	5.4.0	Requirements for support of radio resource management (TDD)	R4
RP-030026	25.123	288	-	3.11.0	R99	Correction of interruption time in TDD Hard Handover	approved	F	3.12.0	Requirements for support of radio resource management (TDD)	R4
RP-030026	25.123	289	-	4.7.0	Rel-4	Correction of interruption time in TDD Hard Handover	approved	A	4.8.0	Requirements for support of radio resource management (TDD)	R4
RP-030026	25.123	290	-	5.3.0	Rel-5	Correction of interruption time in TDD Hard Handover	approved	A	5.4.0	Requirements for support of radio resource management (TDD)	R4
RP-030033	25.123	291	-	4.7.0	Rel-4	Total received power density definition for TDD BS	approved	F	4.8.0	Requirements for support of radio resource management (TDD)	R4
RP-030033	25.123	292	-	5.3.0	Rel-5	Total received power density definition for TDD BS	approved	A	5.4.0	Requirements for support of radio resource management (TDD)	R4
RP-030026	25.123	293	-	3.11.0	R99	Transmitted code power accuracy	approved	F	3.12.0	Requirements for support of radio resource management (TDD)	R4
RP-030026	25.123	294	-	4.7.0	Rel-4	Transmitted code power accuracy	approved	A	4.8.0	Requirements for support of radio resource management (TDD)	R4
RP-030026	25.123	295	-	5.3.0	Rel-5	Transmitted code power accuracy	approved	A	5.4.0	Requirements for support of radio resource management (TDD)	R4
RP-030026	25.123	296	-	3.11.0	R99	UE Timer accuracy for TDD	approved	F	3.12.0	Requirements for support of radio resource management (TDD)	R4
RP-030026	25.123	297	-	4.7.0	Rel-4	UE Timer accuracy for TDD	approved	A	4.8.0	Requirements for support of radio resource management (TDD)	R4
RP-030026	25.123	298	-	5.3.0	Rel-5	UE Timer accuracy for TDD	approved	A	5.4.0	Requirements for support of radio resource management (TDD)	R4
RP-030027	25.133	510	-	3.12.0	R99	Correction of interruption time in FDD/TDD Hard Handover	approved	F	3.13.0	Requirements for support of radio resource management (FDD)	R4
RP-030027	25.133	511	-	4.7.0	Rel-4	Correction of interruption time in FDD/TDD Hard Handover	approved	A	4.8.0	Requirements for support of radio resource management (FDD)	R4
RP-030027	25.133	512	-	5.5.0	Rel-5	Correction of interruption time in FDD/TDD Hard Handover	approved	A	5.6.0	Requirements for support of radio resource management (FDD)	R4
RP-030027	25.133	513	-	6.0.0	Rel-6	Correction of interruption time in FDD/TDD Hard Handover	approved	A	6.1.0	Requirements for support of radio resource management (FDD)	R4
RP-030027	25.133	514	-	3.12.0	R99	Applicability of Timer T-reselection for 2G cell reselection.	approved	F	3.13.0	Requirements for support of radio resource management (FDD)	R4
RP-030027	25.133	515	-	4.7.0	Rel-4	Applicability of Timer T-reselection for 2G cell reselection.	approved	A	4.8.0	Requirements for support of radio resource management (FDD)	R4
RP-030027	25.133	516	-	5.5.0	Rel-5	Applicability of Timer T-reselection for 2G cell reselection.	approved	A	5.6.0	Requirements for support of radio resource management (FDD)	R4
RP-030027	25.133	517	-	6.0.0	Rel-6	Applicability of Timer T-reselection for 2G cell reselection.	approved	A	6.1.0	Requirements for support of radio resource management (FDD)	R4
RP-030040	25.133	519	-	5.5.0	Rel-5	Correction of measurement and reporting capability requirements in CELL_DCH state in case of parallel measurements	approved	F	5.6.0	Requirements for support of radio resource management (FDD)	R4
RP-030040	25.133	520	-	6.0.0	Rel-6	Correction of measurement and reporting capability requirements in CELL_DCH state in case of parallel measurements	approved	A	6.1.0	Requirements for support of radio resource management (FDD)	R4
RP-030027	25.133	521	-	5.5.0	Rel-5	Correction of Hard HO test case	approved	A	5.6.0	Requirements for support of radio resource management (FDD)	R4

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RP-030027	25.133	522	-	6.0.0	Rel-6	Correction of Hard HO test case	approved	A	6.1.0	Requirements for support of radio resource management (FDD)	R4
RP-030034	25.133	525	-	4.7.0	Rel-4	UE rx-tx time difference type 1	approved	F	4.8.0	Requirements for support of radio resource management (FDD)	R4
RP-030034	25.133	526	-	5.5.0	Rel-5	UE rx-tx time difference type 1	approved	A	5.6.0	Requirements for support of radio resource management (FDD)	R4
RP-030034	25.133	527	-	6.0.0	Rel-6	UE rx-tx time difference type 1	approved	A	6.1.0	Requirements for support of radio resource management (FDD)	R4
RP-030027	25.133	528	-	3.12.0	R99	Correction of Hard HO test case	approved	F	3.13.0	Requirements for support of radio resource management (FDD)	R4
RP-030027	25.133	529	-	4.7.0	Rel-4	Correction of Hard HO test case	approved	A	4.8.0	Requirements for support of radio resource management (FDD)	R4
RP-030040	25.133	532	-	5.5.0	Rel-5	Changes to TFC selection requirements for codec mode switch	approved	F	5.6.0	Requirements for support of radio resource management (FDD)	R4
RP-030040	25.133	533	-	6.0.0	Rel-6	Changes to TFC selection requirements for codec mode switch	approved	A	6.1.0	Requirements for support of radio resource management (FDD)	R4
RP-030027	25.133	544	-	3.12.0	R99	Constant Value in Random Access Test requirements	approved	F	3.13.0	Requirements for support of radio resource management (FDD)	R4
RP-030027	25.133	545	-	4.7.0	Rel-4	Constant Value in Random Access Test requirements	approved	A	4.8.0	Requirements for support of radio resource management (FDD)	R4
RP-030027	25.133	546	-	5.5.0	Rel-5	Constant Value in Random Access Test requirements	approved	A	5.6.0	Requirements for support of radio resource management (FDD)	R4
RP-030027	25.133	547	-	6.0.0	Rel-6	Constant Value in Random Access Test requirements	approved	A	6.1.0	Requirements for support of radio resource management (FDD)	R4
RP-030031	25.133	548	-	3.12.0	R99	Correction of UE parameters for Random Access test	approved	F	3.13.0	Requirements for support of radio resource management (FDD)	R4
RP-030031	25.133	549	-	4.7.0	Rel-4	Correction of UE parameters for Random Access test	approved	A	4.8.0	Requirements for support of radio resource management (FDD)	R4
RP-030031	25.133	550	-	5.5.0	Rel-5	Correction of UE parameters for Random Access test	approved	A	5.6.0	Requirements for support of radio resource management (FDD)	R4
RP-030031	25.133	551	-	6.0.0	Rel-6	Correction of UE parameters for Random Access test	approved	A	6.1.0	Requirements for support of radio resource management (FDD)	R4
RP-030048	25.133	553	-	6.0.0	Rel-6	Corrections of CPICH_Ec/Io relative measurement accuracy requirement	approved	F	6.1.0	Requirements for support of radio resource management (FDD)	R4
RP-030029	25.141	270	1	3.12.0	R99	Protection of the FDD BS receiver	approved	F	3.13.0	Base station conformance testing (FDD)	R4
RP-030029	25.141	271	1	4.7.0	Rel-4	Protection of the FDD BS receiver	approved	A	4.8.0	Base station conformance testing (FDD)	R4
RP-030029	25.141	272	1	5.5.0	Rel-5	Protection of the FDD BS receiver	approved	A	5.6.0	Base station conformance testing (FDD)	R4
RP-030029	25.141	273	1	6.0.0	Rel-6	Protection of the FDD BS receiver	approved	A	6.1.0	Base station conformance testing (FDD)	R4
RP-030049	25.141	276	-	6.0.0	Rel-6	Co-siting requirements for different FDD BS classes	approved	B	6.1.0	Base station conformance testing (FDD)	R4
RP-030049	25.141	278	3	6.0.0	Rel-6	Maximum output power for different BS class	approved	B	6.1.0	Base station conformance testing (FDD)	R4
RP-030041	25.141	279	1	5.5.0	Rel-5	Statistical approach for BER BLER tests	approved	F	5.6.0	Base station conformance testing (FDD)	R4
RP-030041	25.141	280	1	6.0.0	Rel-6	Statistical approach for BER BLER tests	approved	A	6.1.0	Base station conformance testing (FDD)	R4
RP-030044	25.141	285	1	5.5.0	Rel-5	Clarification of the W-CDMA interferer definition in BS conformance tests for ACS and blocking characteristics	approved	F	5.6.0	Base station conformance testing (FDD)	R4
RP-030035	25.141	286	-	4.7.0	Rel-4	Correction to external equipment definition	approved	F	4.8.0	Base station conformance testing (FDD)	R4
RP-030035	25.141	287	-	5.5.0	Rel-5	Correction to external equipment definition	approved	A	5.6.0	Base station conformance testing (FDD)	R4
RP-030035	25.141	288	-	6.0.0	Rel-6	Correction to external equipment definition	approved	A	6.1.0	Base station conformance testing (FDD)	R4

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RP-030044	25.141	289	-	6.0.0	Rel-6	Clarification of the W-CDMA interferer definition in BS conformance tests for ACS and blocking characteristics	approved	A	6.1.0	Base station conformance testing (FDD)	R4
RP-030049	25.141	290	-	6.0.0	Rel-6	The definition of UTRA-FDD BS classes	approved	F	6.1.0	Base station conformance testing (FDD)	R4
RP-030030	25.142	156	-	3.12.0	R99	TDD-GSM co-existence in the same geographic area	approved	F	3.13.0	Base station conformance testing (TDD)	R4
RP-030030	25.142	157	-	4.7.0	Rel-4	TDD-GSM co-existence in the same geographic area	approved	A	4.8.0	Base station conformance testing (TDD)	R4
RP-030030	25.142	158	-	5.3.0	Rel-5	TDD-GSM co-existence in the same geographic area	approved	A	5.4.0	Base station conformance testing (TDD)	R4
RP-030028	25.142	159	-	3.12.0	R99	Spurious emission requirements for unsynchronized TDD operation	approved	F	3.13.0	Base station conformance testing (TDD)	R4
RP-030028	25.142	160	-	4.7.0	Rel-4	Spurious emission requirements for unsynchronized TDD operation	approved	F	4.8.0	Base station conformance testing (TDD)	R4
RP-030028	25.142	161	-	5.3.0	Rel-5	Spurious emission requirements for unsynchronized TDD operation	approved	F	5.4.0	Base station conformance testing (TDD)	R4
RP-030042	25.142	162	-	5.3.0	Rel-5	Correction to BS configurations	approved	F	5.4.0	Base station conformance testing (TDD)	R4
RP-030035	25.142	163	-	4.7.0	Rel-4	Correction to external equipment definition	approved	F	4.8.0	Base station conformance testing (TDD)	R4
RP-030035	25.142	164	-	5.3.0	Rel-5	Correction to external equipment definition	approved	A	5.4.0	Base station conformance testing (TDD)	R4
RP-030042	25.142	165	-	5.3.0	Rel-5	Correction of Transmit Modulation testing for 3,84 Mcps TDD Option	approved	F	5.4.0	Base station conformance testing (TDD)	R4
RP-030045	25.142	166	-	5.3.0	Rel-5	The definition of UTRA-TDD BS classes	approved	F	5.4.0	Base station conformance testing (TDD)	R4
RP-030036	25.143	029	-	4.6.0	Rel-4	FDD GSM co-existence in the Same Geographic Area	approved	F	4.7.0	UTRA Repeater; Conformance testing	R4
RP-030036	25.143	030	-	5.3.0	Rel-5	FDD GSM co-existence in the Same Geographic Area	approved	A	5.4.0	UTRA Repeater; Conformance testing	R4
RP-030045	25.952	002	-	5.1.0	Rel-5	The definition of UTRA-TDD BS classes	approved	F	5.2.0	Base Station classification (TDD)	R4
RP-030043	34.124	012	-	5.2.0	Rel-5	Correction to radiated spurious emission measurement bandwidth	withdrawn	F		Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	R4
RP-030144	34.124	012	1	5.2.0	Rel-5	Correction to radiated spurious emission measurement bandwidth	approved	A	5.3.0	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	R4
RP-030144	34.124	013	-	3.3.0	R99	Correction to radiated spurious emission measurement bandwidth	approved	F	3.4.0	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	R4
RP-030144	34.124	014	-	4.1.0	Rel-4	Correction to radiated spurious emission measurement bandwidth	approved	A	4.2.0	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	R4
SP-030012	21.905	045	-	5.5.0	Rel-5	Entities of the mobile system	approved	F	5.6.0	Vocabulary for 3GPP Specifications	S1
SP-030012	21.905	046	-	6.1.0	Rel-6	Entities of the mobile system	approved	A	6.2.0	Vocabulary for 3GPP Specifications	S1
SP-030035	22.011	050	-	5.1.0	Rel-6	Netshare CR to TS 22.011	approved	B	6.0.0	Service accessibility	S1
SP-030019	22.060	028	-	5.2.0	Rel-6	Service Examples	approved	D	6.0.0	General Packet Radio Service (GPRS); Service description; Stage 1	S1
SP-030019	22.060	029	-	5.2.0	Rel-6	Delay Criteria	approved	C	6.0.0	General Packet Radio Service (GPRS); Service description; Stage 1	S1
SP-030013	22.060	030	-	5.2.0	Rel-5	SS SMS transfer over GPRS	approved	F	5.3.0	General Packet Radio Service (GPRS); Service description; Stage 1	S1
SP-030020	22.071	049	-	6.2.0	Rel-6	Applicability of barring capability to the Location Service	approved	B	6.3.0	Location Services (LCS); Stage 1	S1
SP-030014	22.078	154	-	5.9.1	Rel-5	Correction to CAMEL interworking with CLIR and COLR	approved	F	5.10.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1

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SP-030021	22.078	155	-	6.0.0	Rel-6	Corrections to re-introduction of enhancements of dialled services in CAMEL 4	approved	F	6.1.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-030015	22.078	156	-	5.9.1	Rel-5	Removal of duplicate text in procedure describing 'subscribed dailled services'	approved	F	5.10.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-030016	22.078	157	-	5.9.1	Rel-5	Removal of $(CAMEL4)$ markers	approved	F	5.10.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-030016	22.078	158	-	6.0.0	Rel-6	Removal of $(CAMEL4)$ markers	approved	A	6.1.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-030014	22.078	159	-	6.0.0	Rel-6	Correction to CAMEL interworking with CLIR and COLR	approved	A	6.1.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-030022	22.101	114	-	6.2.0	Rel-6	Simultaneous connection to 3GPP systems and I-WLANs	approved	B	6.3.0	Service aspects; Service principles	S1
SP-030035	22.101	115	-	6.2.0	Rel-6	Requirements for Network Sharing in Rel-6	approved	B	6.3.0	Service aspects; Service principles	S1
SP-030148	22.101	116	-	5.8.0	Rel-5	on SIM support	approved	F	5.9.0	Service aspects; Service principles	S1
SP-030148	22.101	117	-	6.2.0	Rel-6	on SIM support	approved	A	6.3.0	Service aspects; Service principles	S1
SP-030017	22.101	118	-	5.8.0	Rel-5	on SIM access to IMS	revised	F		Service aspects; Service principles	S1
SP-030174	22.101	118	1	5.8.0	Rel-5	on SIM access to IMS	rejected	F		Service aspects; Service principles	S1
SP-030174	22.101	119	-	5.8.0	Rel-5	ISIM access	approved	F	5.9.0	Service aspects; Service principles	S1
SP-030018	22.105	040	-	5.2.0	Rel-5	Correlation between service class and traffic class	rejected	F		Services & service capabilities	S1
SP-030018	22.105	041	-	6.0.0	Rel-6	Correlation between service class and traffic class	approved	F	6.1.0	Services & service capabilities	S1
SP-030023	22.115	008	-	5.2.0	Rel-6	Clarification of the charging entity WLAN	approved	B	6.0.0	Service Aspects Charging and billing	S1
SP-030035	22.115	009	-	5.2.0	Rel-6	Requirements for Network Shairng in Rel-6	approved	B	6.0.0	Service Aspects Charging and billing	S1
SP-030023	22.115	010	-	5.2.0	Rel-6	on roaming awareness for charging	revised	B		Service Aspects Charging and billing	S1
SP-030176	22.115	010	1	5.2.0	Rel-6	on roaming awareness for charging	approved	B	6.0.0	Service Aspects Charging and billing	S1
SP-030035	22.129	027	-	5.2.0	Rel-6	on Requirements for Network Sharing in Rel-6	approved	B	6.0.0	Handover requirements between UTRAN and GERAN or other radio systems	S1
SP-030024	22.140	024	-	6.0.0	Rel-6	to clarify prioritisation	approved	C	6.1.0	Service aspects; Stage 1; Multimedia Messaging Service	S1
SP-030025	22.141	017	-	6.1.0	Rel-6	Clarification of network status attribute description within Presence Service Stage 1	approved	C	6.2.0	Presence service; Stage 1	S1
SP-030026	22.146	040	-	6.1.0	Rel-6	MBMS Cell broadcast in shared network	approved	C	6.2.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	S1
SP-030027	22.174	006	-	6.1.0	Rel-6	Removal of MMS content	approved	C	6.2.0	Push service; stage 1	S1
SP-030027	22.174	007	-	6.1.0	Rel-6	Barring of Push Service	approved	C	6.2.0	Push service; stage 1	S1
SP-030027	22.174	008	-	6.1.0	Rel-6	Removal of 'Null' Interworking Chapter	approved	C	6.2.0	Push service; stage 1	S1
SP-030027	22.174	009	-	6.1.0	Rel-6	Feature Interactions section	approved	D	6.2.0	Push service; stage 1	S1
SP-030027	22.174	010	-	6.1.0	Rel-6	Push Service Independence	rejected	F		Push service; stage 1	S1
SP-030194	22.174	010	1	6.1.0	Rel-6	Push Service Independence	rejected	F		Push service; stage 1	S1
SP-030028	22.228	018	-	6.1.0	Rel-6	GUP for IMS subscription management	approved	B	6.2.0	IP multimedia subsystem; Stage 1	S1
SP-030029	22.233	010	-	6.1.0	Rel-6	PSS charging information	approved	B	6.2.0	Transparent end-to-end packet-switched streamng service; Service aspects; Stage 1	S1

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SP-030030	22.242	002	-	6.1.0	Rel-6	DRM collaboration with OMA	revised	B		Digital Rights Management (DRM); Stage 1	S1
SP-030177	22.242	002	1	6.1.0	Rel-6	DRM collaboration with OMA	approved	B	6.2.0	Digital Rights Management (DRM); Stage 1	S1
SP-030031	22.243	003	-	6.1.0	Rel-6	Correction of contradictory information (former: 'Removal of references')	approved	F	6.2.0	Distributed speech recognition based automated voice services	S1
SP-030032	22.340	001	-	6.0.0	Rel-6	on required message formats for IMS messaging	approved	D	6.1.0		S1
SP-030033	22.950	006	-	6.1.0	Rel-6	addressing progression of priority level when interworking with external networks	approved	C	6.2.0		S1
SP-030034	22.951	001	-	6.0.0	Rel-6	Implementing Network Sharing Requirements in Rel-6	approved	C	6.1.0		S1
SP-030034	22.951	002	-	6.0.0	Rel-6	Dynamic sharing of inbound roaming subscribers in a shared network	approved	B	6.1.0		S1
SP-030115	23.002	118	-	5.9.0	Rel-5	Change of reference to LIF document	approved	F	5.10.0	Network Architecture	S2
SP-030115	23.002	119	1	5.9.0	Rel-6	Management interface	approved	B	6.0.0	Network Architecture	S2
SP-030115	23.002	120	-	4.6.0	Rel-4	LCS architecture in Rel4	approved	F	4.7.0	Network Architecture	S2
SP-030115	23.002	121	2	5.9.0	Rel-5	LCS architecture in 5	approved	F	5.10.0	Network Architecture	S2
SP-030116	23.032	7	1	4.1.1	Rel-5	Add UMTS in scope to GSM	approved	A	5.0.0	Universal Geographical Area Description (GAD)	S2
SP-030179	23.060	418	1	5.4.0	Rel-5	SMS over PS in Iu mode	approved	F	5.5.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-030113	23.060	423	2	5.4.0	Rel-6	Addition of interaction between SMS over GRPS and supplementary service	approved	B	6.0.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-030113	23.060	426	-	5.4.0.	Rel-6	Clarification of QoS negotiation during context	approved	F	6.0.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-030113	23.060	430	1	5.4.0	Rel-5	Handling of IMS signalling information in QoS and PCO IEs at GGSN	approved	F	5.5.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-030117	23.107	134	2	5.7.0	Rel-5	Signalling PDP context indication	approved	F	5.8.0	Quality of Service (QoS) concept and architecture	S2
SP-030118	23.141	11	2	6.1.0	Rel-6	Charging Aspects for Presence Service	approved	F	6.2.0		S2
SP-030118	23.141	19	1	6.1.0	Rel-6	Routeing to Presence User Agent and Presence Server	approved	B	6.2.0		S2
SP-030118	23.141	23	3	6.1.0	Rel-6	Subscription authorisation policy	approved	C	6.2.0		S2
SP-030118	23.141	24	5	6.1.0	Rel-6	Verification of the identity of watchers	approved	C	6.2.0		S2
SP-030118	23.141	35	1	6.1.0	Rel-6	Clarifications on charging requirement	approved	F	6.2.0		S2
SP-030118	23.141	40	1	6.1.0	Rel-6	Age of location	approved	C	6.2.0		S2
SP-030118	23.141	41	-	6.1.0	Rel-6	Support for partial notifications (same as S2-030178)	approved	F	6.2.0		S2
SP-030118	23.141	42	-	6.1.0	Rel-6	Modificaion of requirement on Pc interface	approved	B	6.2.0		S2
SP-030118	23.141	45	1	6.1.0	Rel-6	Support for presence publishing from multiple terminals	approved	B	6.2.0		S2
SP-030118	23.141	46	2	6.1.0	Rel-6	Presence filtering clarifications	approved	C	6.2.0		S2
SP-030118	23.141	49	1	6.1.0	Rel-6	Addition of the presence attribute	approved	B	6.2.0		S2
SP-030119	23.207	55	-	5.6.0	Rel-5	Removal of editors notes	approved	F	5.7.0	End to end quality of service concept and architecture	S2
SP-030120	23.221	39	1	5.7.0	Rel-6	Re-organization of IMS specifications to better reflect aspects of interoperability and commonality between IP Multimedia Systems using different IP-Connectivity Access Networks	withdrawn	D		Architectural requirements	S2

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SP-030171	23.221	39	1	5.7.0	Rel-6	Re-organization of IMS specifications to better reflect aspects of interoperability and commonality between IP Multimedia Systems using different IP-Connectivity Access Networks	approved	D	6.0.0	Architectural requirements	S2
SP-030121	23.228	248	2	5.7.0	Rel-5	Allowing IMS access via SIM in 3G UEs	rejected	F		IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030121	23.228	255	2	6.0.1	Rel-6	Public Service Identity	approved	B	6.1.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030121	23.228	258	1	5.7.0	Rel-5	Subscribed Media	approved	F	5.8.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030121	23.228	259	1	6.0.1	Rel-6	Subscribed Media	approved	A	6.1.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030121	23.228	260	2	6.0.1	Rel-6	Architectural requirements to provide IMS emergency sessions	approved	C	6.1.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030121	23.228	261	1	6.0.1	Rel-6	Procedures to detect and route IMS Emergency Sessions	approved	C	6.1.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030121	23.228	261	3	6.0.1	Rel-6	Procedures to detect and route IMS Emergency Sessions	approved	C	6.1.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030121	23.228	263	1	5.7.0	Rel-5	P-CSCF initiated session release	approved	F	5.8.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030121	23.228	264	-	6.0.1	Rel-6	P-CSCF initiated session release	withdrawn	A		IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030121	23.228	266	-	6.0.1	Rel-6	Clarification of the S-CSCF behaviour in TS 23.228	approved	F	6.1.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030121	23.228	275	1	6.0.1	Rel-6	Capability to route non-SIP URIs	approved	B	6.1.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030121	23.228	277	1	6.0.1	Rel-6	Public Service Identity Routing-CR	approved	B	6.1.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030121	23.228	278	1	6.0.1	Rel-6	Forking capabilities of IMS	approved	B	6.1.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030121	23.228	279	1	6.0.1	Rel-6	Clarification on the Routing of Emergency Calls	approved	C	6.1.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030121	23.228	280	1	6.0.1	Rel-6	Re-organization of IMS specifications to better reflect aspects of interoperability and commonality between IP Multimedia Systems using different IP-Connectivity Access Networks	revised	D		IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030172	23.228	280	2	6.0.1	Rel-6	Combined CR for CR#264 and CR#280rev1	revised	D		IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030181	23.228	280	3	6.0.1	Rel-6	Combined CR for CR#264 and CR#280rev1	approved	D	6.1.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030121	23.228	281	1	6.0.1	Rel-6	Public Service Identity requirement- CR	approved	C	6.1.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-030114	23.271	124	3	6.2.0	Rel-6	Introduction of reuse mechanism of previously obtained location information	approved	B	6.3.0	Functional stage 2 description of location services	S2
SP-030114	23.271	129	10	6.2.0	Rel-6	Introducing the anonymous target UE user	approved	B	6.3.0	Functional stage 2 description of location services	S2
SP-030114	23.271	144	2	6.2.0	Rel-6	Introduction of service coverage information of LCS client	approved	B	6.3.0	Functional stage 2 description of location services	S2
SP-030114	23.271	145	1	6.2.0	Rel-6	Editorial correction of some Notes.	approved	D	6.3.0	Functional stage 2 description of location services	S2
SP-030114	23.271	146	1	6.2.0	Rel-6	Enhancement of inter GMLC diagrams	approved	F	6.3.0	Functional stage 2 description of location services	S2
SP-030114	23.271	147	2	5.5.0	Rel-5	Requestor ID in LCS client name	approved	F	5.6.0	Functional stage 2 description of location services	S2
SP-030114	23.271	148	2	6.2.0	Rel-6	Clarification to Requestor ID in the LCS client name	approved	A	6.3.0	Functional stage 2 description of location services	S2
SP-030114	23.271	149	1	6.2.0	Rel-6	Information flows for PPR	approved	F	6.3.0	Functional stage 2 description of location services	S2
SP-030114	23.271	150	1	6.2.0	Rel-6	Corrections in the mobile terminated location request procedure	approved	F	6.3.0	Functional stage 2 description of location services	S2
SP-030114	23.271	151	2	6.2.0	Rel-6	Clarification of MO-LR Procedure relating to LCS Client ID	approved	D	6.3.0	Functional stage 2 description of location services	S2

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SP-030114	23.271	153	2	5.5.0	Rel-5	Addition of Position Method Used, to attributes returned with location estimate.	rejected	F		Functional stage 2 description of location services	S2
SP-030114	23.271	154	2	6.2.0	Rel-6	Addition of Position Method Used, to attributes returned with location estimate.	rejected	F		Functional stage 2 description of location services	S2
SP-030114	23.271	157	1	6.2.0	Rel-6	Correction of inter GMLC interface procedures.	approved	F	6.3.0	Functional stage 2 description of location services	S2
SP-030114	23.271	158r1	1	6.2.0	Rel-6	Misalingment of target UE addressing in Mobile Terminating Location Request procedures.	approved	F	6.3.0	Functional stage 2 description of location services	S2
SP-030114	23.271	159	-	6.2.0	Rel-6	Pseudo external identities used for pre-6 compatibility	approved	F	6.3.0	Functional stage 2 description of location services	S2
SP-030114	23.271	160	1	6.2.0	Rel-6	Location of privacy profile data	approved	F	6.3.0	Functional stage 2 description of location services	S2
SP-030122	23.895	1	1	6.0.0	Rel-6	Handling of UESBI at handover	approved	F	6.1.0		S2
SP-030122	23.895	2	1	6.0.0	Rel-6	Clarification to the TR on Early UE	approved	F	6.1.0		S2
SP-030122	23.895	3	3	6.0.0	Rel-6	(After SA plenary #18) Updated scope of the TR ue.8de: " Provision of UE Capability Information to Network Entities "	approved	F	6.1.0		S2
SP-030096	33.108	007	-	5.2.0	Rel-5	Coding of ASN.1 parameters of the type OCTET STRING	approved	F	5.3.0	Handover interface for Lawful Interception	S3
SP-030096	33.108	008	-	6.0.0	Rel-6	Coding of ASN.1 parameters of the type OCTET STRING	approved	A	6.1.0	Handover interface for Lawful Interception	S3
SP-030097	33.108	009	-	6.0.0	Rel-6	CS Section for 33.108	approved	B	6.1.0	Handover interface for Lawful Interception	S3
SP-030098	33.108	010	-	6.0.0	Rel-6	Adjustments to the requirements on the delivery of the intercepted RT data over TCP	approved	F	6.1.0	Handover interface for Lawful Interception	S3
SP-030099	33.108	011	-	5.2.0	Rel-5	Incorrect ASN.1 object tree	approved	F	5.3.0	Handover interface for Lawful Interception	S3
SP-030099	33.108	012	-	6.0.0	Rel-6	Incorrect ASN.1 object tree	approved	A	6.1.0	Handover interface for Lawful Interception	S3
SP-030149	33.108	013	-	5.2.0	Rel-5	Correction to implementation of CR 005	approved	F	5.3.0	Handover interface for Lawful Interception	S3
SP-030149	33.108	014	-	6.0.0	Rel-6	Correction to implementation of CR 005	approved	A	6.1.0	Handover interface for Lawful Interception	S3
SP-030100	33.203	035	-	5.4.0	Rel-5	Clarification of the use of ISIM and USIM for IMS access	approved	F	5.5.0	Access security for IP based services	S3
SP-030101	33.203	036	-	5.4.0	Rel-5	Malicious UE bypassing the P-CSCF	revised	F		Access security for IP based services	S3
SP-030185	33.203	036	1	5.4.0	Rel-5	Malicious UE bypassing the P-CSCF	approved	F	5.5.0	Access security for IP based services	S3
SP-030102	33.203	037	-	5.4.0	Rel-5	Ensuring the deletion of unwanted SA's	approved	F	5.5.0	Access security for IP based services	S3
SP-030103	33.203	038	-	5.4.0	Rel-5	Add protected port into Via header	approved	F	5.5.0	Access security for IP based services	S3
SP-030111	33.203	039	-	5.4.0	Rel-5	Correction of the Port 2 definition for SA establishment	approved	F	5.5.0	Access security for IP based services	S3
SP-030104	33.210	005	-	5.2.0	Rel-5	Za-interface and roaming agreements	approved	F	5.3.0	Network Domain Security - IP	S3
SP-030104	33.210	006	-	6.0.0	Rel-6	Za-interface and roaming agreements	approved	A	6.1.0	Network Domain Security - IP	S3
SP-030105	33.210	007	-	5.2.0	Rel-5	Clarification to the re-keying aspects of network domain security	approved	F	5.3.0	Network Domain Security - IP	S3
SP-030105	33.210	008	-	6.0.0	Rel-6	Clarification to the re-keying aspects of network domain security	approved	A	6.1.0	Network Domain Security - IP	S3
SP-030085	26.073	017	-	5.0.0	Rel-5	MMS compatible input/output option	approved	F	5.1.0	AMR speech Codec; C-source code	S4
SP-030086	26.093	011	-	5.2.0	Rel-6	Handling of FACCH and RATSCCH during AMR DTX	approved	F	6.0.0	AMR speech Codec; Source Controlled Rate operation	S4
SP-030087	26.102	013	2	3.3.0	R99	AMR Rate Adaptation of R'99	approved	F	3.4.0	AMR speech Codec; Interface to Iu and Uu	S4
SP-030087	26.102	014	3	4.0.0	Rel-4	AMR Rate Adaptation of Rel-4	approved	A	4.1.0	AMR speech Codec; Interface to Iu and Uu	S4
SP-030087	26.102	015	2	5.1.0	Rel-5	AMR Rate Adaptation of Rel-5	approved	F	5.2.0	AMR speech Codec; Interface to Iu and Uu	S4

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SP-030088	26.104	021	1	5.0.0	Rel-5	MMS compatible i/o format	approved	F	5.1.0	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	S4
SP-030088	26.104	022	-	3.4.0	R99	Correction to floating-point implementation of sp_dec.c	approved	F	3.5.0	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	S4
SP-030088	26.104	023	-	4.3.0	Rel-4	Correction to floating-point implementation of sp_dec.c	approved	A	4.4.0	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	S4
SP-030088	26.104	024	-	5.0.0	Rel-5	Correction to floating-point implementation of sp_dec.c	approved	A	5.1.0	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	S4
SP-030089	26.173	015	2	5.5.0	Rel-5	Harmonization of 3GPP TS 26.173 and ITU-T G.722.2 C-codes	approved	F	5.6.0	ANSI-C code for the Adaptive Multi Rate (AMR) Wideband speech codec	S4
SP-030089	26.173	016	-	5.5.0	Rel-5	Correction for handling of RX_NO_DATA frames	approved	F	5.6.0	ANSI-C code for the Adaptive Multi Rate (AMR) Wideband speech codec	S4
SP-030090	26.204	001	1	5.0.0	Rel-5	Correction to log(0) error in VAD decision with low SNR input signals	approved	F	5.1.0	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) wideband speech codec	S4
SP-030090	26.204	002	1	5.0.0	Rel-5	Correction to decoder with input of long sequence of NO_DATA frames	approved	F	5.1.0	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) wideband speech codec	S4
SP-030090	26.204	003	1	5.0.0	Rel-5	Correction to "D_UTIL_pow2" function to be bitexact with TS26.173 counterpart	approved	F	5.1.0	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) wideband speech codec	S4
SP-030090	26.204	004	1	5.0.0	Rel-5	MMS compatible i/o format option	approved	F	5.1.0	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) wideband speech codec	S4
SP-030090	26.204	005	-	5.0.0	Rel-5	Correction for handling of RX_NO_DATA frames	approved	F	5.1.0	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) wideband speech codec	S4
SP-030090	26.204	006	1	5.0.0	Rel-5	Ambiguous expressions in the AMR-WB Floating-point C-Code	approved	F	5.1.0	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) wideband speech codec	S4
SP-030091	26.234	052	1	5.3.0	Rel-5	SDP bandwidth modifier for RTCP bandwidth	approved	F	5.4.0	End-to-end transparent streaming service; Protocols and codecs	S4
SP-030091	26.234	053	-	5.3.0	Rel-5	Specification of stream control URLs in SDP files	approved	F	5.4.0	End-to-end transparent streaming service; Protocols and codecs	S4
SP-030091	26.234	054	-	5.3.0	Rel-5	Clarification of multiple modifiers for timed text	approved	F	5.4.0	End-to-end transparent streaming service; Protocols and codecs	S4
SP-030091	26.234	056	4	5.3.0	Rel-5	Correction of wrong references	approved	F	5.4.0	End-to-end transparent streaming service; Protocols and codecs	S4
SP-030091	26.234	057	2	5.3.0	Rel-5	Correction of signalling frame size for H.263 in SDP	approved	F	5.4.0	End-to-end transparent streaming service; Protocols and codecs	S4
SP-030092	26.236	003	2	5.1.0	Rel-5	SDP bandwidth modifier for RTCP bandwidth	approved	F	5.2.0	Packet switched conversational multimedia applications; Transport protocols	S4
SP-030092	26.236	004	-	5.1.0	Rel-5	Correction on QoS profile parameters for conversational multimedia applications	approved	F	5.2.0	Packet switched conversational multimedia applications; Transport protocols	S4

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SP-030093	26.911	011	-	3.3.0	R99	Clarification of bit-order handling for 3G-324M terminals	approved	F	3.4.0	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	S4
SP-030093	26.911	012	-	4.1.0	Rel-4	Clarification of bit-order handling for 3G-324M terminals	approved	A	4.2.0	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	S4
SP-030093	26.911	013	-	5.0.0	Rel-5	Clarification of bit-order handling for 3G-324M terminals	approved	A	5.1.0	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	S4
SP-030053	32.015	038	-	3.10.0	R99	Correction of M-CDR usage - alignment with SA2's 23.060	approved	F	3.11.0	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain	S5
SP-030043	32.101	021	-	5.2.0	Rel-5	Align QoS Terminology with SA2's 23.207 & CN3's 29.207	approved	F	5.3.0	3G Telecom Management principles and high level requirements	S5
SP-030061	32.102	026	-	4.2.0	Rel-4	Add New Subclause to IS Template for Notification Related IOCs	approved	F	4.3.0	3G Telecom Management Architecture	S5
SP-030061	32.102	027	-	5.2.0	Rel-5	Add New Subclause to IS Template for Notification Related IOCs	approved	A	5.3.0	3G Telecom Management Architecture	S5
SP-030062	32.111-2	021	-	4.5.0	Rel-4	Add Missing ITU-T M.3100 Probable Causes	approved	F	4.6.0	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	S5
SP-030062	32.111-2	022	-	5.2.0	Rel-5	Add Missing ITU-T M.3100 Probable Causes	approved	A	5.3.0	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	S5
SP-030063	32.111-2	023	-	4.5.0	Rel-4	Corrections regarding Alarm Acknowledgement and Alarm Comments - alignment with 32.111-1	approved	F	4.6.0	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	S5
SP-030063	32.111-2	024	-	5.2.0	Rel-5	Corrections regarding Alarm Acknowledgement and Alarm Comments - alignment with 32.111-1	approved	A	5.3.0	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	S5
SP-030138	32.111-2	025	-	5.2.0	Rel-5	Add Missing security event types and probable causes	approved	F	5.3.0	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	S5
SP-030064	32.111-3	025	-	4.5.0	Rel-4	Correction of CORBA ALARM_IRP_VERSION in line with adopted Rel-5 policy	approved	F	4.6.0	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	S5
SP-030064	32.111-3	026	-	5.2.0	Rel-5	Correction of CORBA ALARM_IRP_VERSION in line with adopted Rel-5 policy	approved	A	5.3.0	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	S5
SP-030062	32.111-3	027	-	4.5.0	Rel-4	Add missing ITU-T M.3100 Probable Cause Values	approved	F	4.6.0	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	S5

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SP-030062	32.111-3	028	-	5.2.0	Rel-5	Add missing ITU-T M.3100 Probable Cause values & Correct CORBA IDL errors	approved	A	5.3.0	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	S5
SP-030138	32.111-3	029	-	5.2.0	Rel-5	Correction of CORBA IDL Optional clearSystemId	approved	F	5.3.0	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	S5
SP-030063	32.111-4	015	-	4.4.0	Rel-4	Correction to Alarm Comments - alignment with 32.111-1	approved	F	4.5.0	Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set	S5
SP-030063	32.111-4	016	-	5.3.0	Rel-5	Correction to Alarm Comments- alignment with 32.111-1	approved	A	5.4.0	Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set	S5
SP-030138	32.111-4	017	-	5.3.0	Rel-5	Add missing x721AlarmNotificationsPackage	approved	F	5.4.0	Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set	S5
SP-030138	32.111-4	018	-	5.3.0	Rel-5	Corrections to GDMO and ASN.1 definitions in the Alarm IRP CMIP SS	approved	F	5.4.0	Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set	S5
SP-030053	32.200	019	-	4.3.0	Rel-4	Correction of M-CDR usage - alignment with SA2's 23.060	approved	A	4.4.0	Telecommunication management; Charging management; Charging principles	S5
SP-030053	32.200	020	-	5.2.0	Rel-5	Correction of M-CDR usage - alignment with SA2's 23.060	approved	A	5.3.0	Telecommunication management; Charging management; Charging principles	S5
SP-030055	32.200	021	-	5.2.0	Rel-5	Addition of 'Inter-PLMN SGSN change' as partial output record trigger for G-CDR - alignment with CN4's 29.060	approved	F	5.3.0	Telecommunication management; Charging management; Charging principles	S5
SP-030054	32.205	013	-	4.3.0	Rel-4	CDR correction for data services over Iu-interface - alignment with SA1's 22.002	approved	F	4.4.0	Telecommunication management; Charging management; 3G charging data description for the CS domain	S5
SP-030054	32.205	014	-	5.2.0	Rel-5	CDR correction for data services over Iu-interface - alignment with SA1's 22.002	approved	A	5.3.0	Telecommunication management; Charging management; 3G charging data description for the CS domain	S5
SP-030056	32.205	015	-	5.2.0	Rel-5	Corrections to ASN.1 Syntax associated with Wireless Number Portability (WNP)	approved	F	5.3.0	Telecommunication management; Charging management; 3G charging data description for the CS domain	S5
SP-030055	32.215	025	-	5.2.0	Rel-5	Addition of SGSN's Mobile Country Code (MCC) and Mobile Network Code (MNC) on G-CDR - alignment with CN4's 29.060	approved	F	5.3.0	Telecom Management; Charging management; Charging data description for the Packet Switched (PS) domain	S5
SP-030057	32.225	004	-	5.1.0	Rel-5	Alignment of Immediate Event Charging (IEC) description with the latest draft IEFT Credit-Control specification	approved	F	5.2.0	Telecom management; Charging management; Charging data description for the IMS domain	S5
SP-030057	32.225	005	-	5.1.0	Rel-5	Correction of the IMS Charging Identifier (ICID) definition	approved	F	5.2.0	Telecom management; Charging management; Charging data description for the IMS domain	S5

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SP-030057	32.225	006	-	5.1.0	Rel-5	Correction of IMS-CDR definitions	approved	F	5.2.0	Telecom management; Charging management; Charging data description for the IMS domain	S5
SP-030057	32.225	007	-	5.1.0	Rel-5	Inclusion of IETF draft 'Hakala-diameter-credit-control' specification version 05	approved	F	5.2.0	Telecom management; Charging management; Charging data description for the IMS domain	S5
SP-030057	32.225	008	-	5.1.0	Rel-5	Removal of Re-Transmission Attribute Value Pair (AVP) in order to align duplicate detection procedure with the Diameter Base protocol	approved	F	5.2.0	Telecom management; Charging management; Charging data description for the IMS domain	S5
SP-030057	32.225	009	-	5.1.0	Rel-5	Correction of the accounting session supervision (Offline) - alignment with the Diameter Base protocol	approved	F	5.2.0	Telecom management; Charging management; Charging data description for the IMS domain	S5
SP-030057	32.225	010	-	5.1.0	Rel-5	Correction of the accounting session supervision (Online) - alignment with the Diameter Base protocol	approved	F	5.2.0	Telecom management; Charging management; Charging data description for the IMS domain	S5
SP-030057	32.225	011	-	5.1.0	Rel-5	Correction of the support of local file storage and use of FTP for transfer of Accounting Information	approved	F	5.2.0	Telecom management; Charging management; Charging data description for the IMS domain	S5
SP-030057	32.225	012	-	5.1.0	Rel-5	Correction of abnormal session termination procedure	approved	F	5.2.0	Telecom management; Charging management; Charging data description for the IMS domain	S5
SP-030057	32.225	013	-	5.1.0	Rel-5	Correction of network initiated session release procedure - alignment with SIP (IETF RFC 3261)	approved	F	5.2.0	Telecom management; Charging management; Charging data description for the IMS domain	S5
SP-030057	32.225	014	-	5.1.0	Rel-5	Correction of media modification procedures - add the UPDATE SIP method	approved	F	5.2.0	Telecom management; Charging management; Charging data description for the IMS domain	S5
SP-030058	32.235	009	-	4.4.0	Rel-4	Corrections on MMS addressing - alignment with T2's 23.140 (MMS stage 2)	approved	F	4.5.0	Telecommunication management; Charging management; Charging data description for application services	S5
SP-030058	32.235	010	-	5.1.0	Rel-5	Corrections on MMS addressing - alignment with T2's 23.140 (MMS stage 2)	approved	A	5.2.0	Telecommunication management; Charging management; Charging data description for application services	S5
SP-030059	32.235	011	-	4.4.0	Rel-4	Correction of Message Size Definition - alignment with T2's 23.140	approved	F	4.5.0	Telecommunication management; Charging management; Charging data description for application services	S5
SP-030059	32.235	012	-	5.1.0	Rel-5	Correction of Message Size Definition - alignment with T2's 23.140	approved	A	5.2.0	Telecommunication management; Charging management; Charging data description for application services	S5
SP-030060	32.235	013	-	5.1.0	Rel-5	Add support of VASP in MMS Charging - alignment with T2's 23.140	approved	B	5.2.0	Telecommunication management; Charging management; Charging data description for application services	S5
SP-030137	32.303	006	-	4.3.2	Rel-4	Corrections to CORBA IDL specification "NotificationIRPSystem"	withdrawn	F		Telecommunication Management; Configuration Management; Notification Integration Reference Point; CORBA solution set version 1:1	S5

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SP-030137	32.303	007	-	4.3.2	Rel-4	Remove unused suspend_subscription and resume_subscription methods	approved	F	4.4.0	Telecommunication Management; Configuration Management; Notification Integration Reference Point; CORBA solution set version 1:1	S5
SP-030137	32.303	008	-	5.1.2	Rel-5	Remove unused suspend_subscription and resume_subscription methods	approved	A	5.2.0	Telecommunication Management; Configuration Management; Notification Integration Reference Point; CORBA solution set version 1:1	S5
SP-030137	32.303	009	-	5.1.2	Rel-5	Corrections of CORBA IDL syntax errors	approved	F	5.2.0	Telecommunication Management; Configuration Management; Notification Integration Reference Point; CORBA solution set version 1:1	S5
SP-030064	32.303	010	-	5.1.2	Rel-5	Update the usage IRP_VERSION in line with adopted release 5 policy - alignment with 32.111-3	approved	F	5.2.0	Telecommunication Management; Configuration Management; Notification Integration Reference Point; CORBA solution set version 1:1	S5
SP-030146	32.403	011	-	4.2.1	Rel-4	Correction of the subscriber number measurement definitions	approved	F	4.3.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	S5
SP-030146	32.403	012	-	5.1.0	Rel-5	Correction of the subscriber number measurement definitions	approved	A	5.2.0	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	S5
SP-030147	32.421	001	-	6.0.0	Rel-6	Corrections to Trace requirements - alignment with SA2's 23.002	approved	F	6.1.0		S5
SP-030144	32.602	003	-	5.0.0	Rel-5	Add post-condition for notifications of each activeCM operation and one exception for createMO	approved	F	5.1.0	Telecommunication Management; Configuration Management; Basic configuration management IRP information model	S5
SP-030139	32.603	007	-	5.0.0	Rel-5	Add CORBA equivalents to IS operations "get{Operation Notification}Profile" - alignment with 32.602 & 32.312	approved	F	5.1.0	Telecommunication Management; Configuration Management; Basic configuration management IRP: CORBA solution set	S5
SP-030139	32.603	008	-	5.0.0	Rel-5	Correction of IDL errors	approved	F	5.1.0	Telecommunication Management; Configuration Management; Basic configuration management IRP: CORBA solution set	S5
SP-030144	32.603	009	-	5.0.0	Rel-5	Add description for notifications of each activeCM operation and one exception for createMO - alignment with 32.602, Information Service	approved	F	5.1.0	Telecommunication Management; Configuration Management; Basic configuration management IRP: CORBA solution set	S5
SP-030140	32.613	008	-	5.0.0	Rel-5	Add subphases "PreactivationPhase" and "ValidationPhase" in 'BulkCmIRPConstDefs' IDL definition	approved	F	5.1.0	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: CORBA solution set	S5

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SP-030140	32.613	009	-	5.0.0	Rel-5	Add missing Rel-4 CORBA IDL exceptions	approved	F	5.1.0	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: CORBA solution set	S5
SP-030141	32.623	005	-	4.2.0	Rel-4	Addition of VsDataContainer strings missing from IDL	approved	F	4.3.0	Telecommunication Management; Configuration Management; Generic network resources IRP: CORBA solution set	S5
SP-030141	32.623	006	-	5.0.0	Rel-5	Replace Microsoft Word “” with straight Double Quotes - to avoid CORBA IDL Compilation Errors	approved	F	5.1.0	Telecommunication Management; Configuration Management; Generic network resources IRP: CORBA solution set	S5
SP-030142	32.632	005	-	4.2.0	Rel-4	Change userLabel attribute from Read-Only to Read-Write	approved	F	4.3.0	Telecommunication Management; Configuration Management; Core Network Resources IRP: NRM	S5
SP-030142	32.632	006	-	5.1.0	Rel-5	CN Network Resource Model changed to the New Methodology - alignment with 32.102 (Telecommunication management; Architecture)	approved	F	5.2.0	Telecommunication Management; Configuration Management; Core Network Resources IRP: NRM	S5
SP-030145	32.661	002	-	5.1.0	Rel-6	Add requirement for the emission of notifyCMSynchronizationRecommended notification	approved	B	6.0.0	3G configuration management; Kernel CM requirements	S5
SP-030145	32.662	001	-	5.0.0	Rel-6	Add description of notifyCMSynchronizationRecommended notification for KernelCM IRP.	approved	B	6.0.0	3G configuration management; Kernel CM information service	S5
SP-030143	32.663	001	-	5.0.0	Rel-5	CORBA IDL Compiler Errors	approved	F	5.1.0	3G configuration management; Kernel CM CORBA solution set	S5
SP-030145	32.663	002	-	5.0.0	Rel-6	Add IDL definition of notifyCMSynchronizationRecommended notification for KernelCM IRP	approved	B	6.0.0	3G configuration management; Kernel CM CORBA solution set	S5
SP-030145	32.664	001	-	5.0.0	Rel-6	Add GDMO definition of notifyCMSynchronizationRecommended notification for KernelCM IRP	approved	B	6.0.0	3G configuration management; Kernel CM CMIP solution set	S5
SP-030143	32.673	001	-	5.0.0	Rel-5	CORBA IDL Compiler Errors, Invalid CORBA IDL Include Reference	approved	F	5.1.0		S5
SP-030077	01.01	011	-	8.8.0	R99	Correction to list of specs	approved	F	8.9.0	GSM Release 1999 Specifications	SP
SP-030077	21.101	013	1	3.10.0	R99	Correction to list of specs	approved	F	3.11.0	3rd Generation mobile system Release 1999 Specifications	SP
SP-030077	21.102	010	-	4.7.0	Rel-4	Correction to list of specs	approved	F	4.8.0	3rd Generation mobile system Release 4 specifications	SP
SP-030077	21.103	003	1	5.2.0	Rel-5	Correction to list of specs	approved	F	5.3.0	3rd Generation mobile system Release 5 specifications	SP
SP-030077	41.102	009	-	4.7.0	Rel-4	Correction to list of specs	approved	F	8.0.0	GSM Release 4 specifications	SP
SP-030077	41.103	003	1	5.2.0	Rel-5	Correction to list of specs	approved	F	5.3.0	GSM Release 5 specifications	SP
TP-030043	34.108	172	-	3.10.0	R99	RAB Removal from R99 TS 34.108 as T1S030001rev1	approved	F	3.11.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-030044	34.108	173	-	4.5.0	Rel-4	RAB Removal from Rel 4 TS 34.108 as T1S030002rev1	approved	A	4.6.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1

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TP-030043	34.108	174	-	3.10.0	R99	Combine all Radio Bearer Setup messages into one table	approved	F	3.11.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-030044	34.108	175	-	4.5.0	Rel-4	Combine all Radio Bearer Setup messages into one table	approved	A	4.6.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-030043	34.108	176	-	3.10.0	R99	Corrections to SB and SIB configurations in clause 6.1 as T1S030045rev1	approved	F	3.11.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-030044	34.108	177	-	4.5.0	Rel-4	Corrections to SB and SIB configurations in clause 6.1 as T1S030046rev1	approved	A	4.6.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-030043	34.108	178	-	3.10.0	R99	Correction to TS34.108 R99 ; PAGING TYPE1 message (Packet in PS)	approved	F	3.11.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-030044	34.108	179	-	4.5.0	Rel-4	Correction to TS34.108 Rel-4 ; PAGING TYPE1 message (Packet in PS)	approved	A	4.6.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-030043	34.108	180	-	3.10.0	R99	Clarification of autentication test algorithm and GSM cipher key	approved	F	3.11.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-030044	34.108	181	-	4.5.0	Rel-4	Clarification of autentication test algorithm and GSM cipher key	approved	A	4.6.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-030043	34.108	182	-	3.10.0	R99	Addition of simulated network environment for inter-RAT test cases	approved	F	3.11.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-030044	34.108	183	-	4.5.0	Rel-4	Addition of simulated network environment for inter-RAT test cases	approved	A	4.6.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-030043	34.108	184	-	3.10.0	R99	Corrections to SIB1 to align with default values for LAC and RAC in 51.010-1	approved	F	3.11.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-030044	34.108	185	-	4.5.0	Rel-4	Corrections to SIB1 to align with default values for LAC and RAC in 51.010-1.	approved	A	4.6.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-030043	34.108	186	-	3.10.0	R99	Addition of default inter-RAT handover messages	approved	F	3.11.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-030044	34.108	187	-	4.5.0	Rel-4	Addition of default inter-RAT handover messages	approved	A	4.6.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-030043	34.108	188	-	3.10.0	R99	Correction of activation time IEs in default messages	approved	F	3.11.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-030044	34.108	189	-	4.5.0	Rel-4	Correction of activation time IEs in default messages	approved	A	4.6.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-030043	34.108	190	-	3.10.0	R99	Correction to default SECURITY MODE COMMAND message	approved	F	3.11.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-030044	34.108	191	-	4.5.0	Rel-4	Correction to default SECURITY MODE COMMAND message	approved	A	4.6.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-030043	34.108	192	-	3.10.0	R99	Addition of option for UL CM only in default reference CM patterns	approved	F	3.11.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-030044	34.108	193	-	4.5.0	Rel-4	Addition of option for UL CM only in default reference CM patterns	approved	A	4.6.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-030043	34.108	194	-	3.10.0	R99	Introduction of a reference RB configuration for RMC for BTFD tests (R99)	approved	F	3.11.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-030044	34.108	195	-	4.5.0	Rel-4	Introduction of a reference RB configuration for RMC for BTFD tests (Rel4)	approved	A	4.6.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-030043	34.108	196	-	3.10.0	R99	Update of the RRC connection request messages in 34.108 R99	approved	F	3.11.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-030044	34.108	197	-	4.5.0	Rel-4	Update of the RRC connection request messages in 34.108 Rel4	approved	A	4.6.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1

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TP-030043	34.108	198	-	4.5.0	Rel-4	Introduction of Conversational PS RABs in Rel 4 TS 34.108 as T1S030003rev1	approved	F	4.6.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-030044	34.108	199	-	3.10.0	R99	Update of default parameters for 1 to 8 cell environments (TDD), clause 6.1.4, Rel 99	approved	F	3.11.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-030043	34.108	200	-	4.5.0	Rel-4	Update of default parameters for 1 to 8 cell environments (TDD), clause 6.1.4, Rel 4	approved	A	4.6.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-030044	34.108	201	-	3.10.0	R99	Update of Multi-cell environment for default radio conditions (TDD), clause 6.1.6 (Inclusion of cell 4), Rel 99	approved	F	3.11.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-030043	34.108	202	-	4.5.0	Rel-4	Update of Multi-cell environment for default radio conditions (TDD), clause 6.1.6 (Inclusion of cell 4), Rel 4	approved	A	4.6.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-030044	34.108	203	-	3.10.0	R99	Modification to Generic Registration Procedures	approved	F	3.11.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-030043	34.108	204	-	4.5.0	Rel-4	Modification to Generic Registration Procedures	approved	A	4.6.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-030044	34.108	205	-	3.10.0	R99	Update of default configurations to enable testing of low end UE	approved	F	3.11.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-030043	34.108	206	-	4.5.0	Rel-4	Update of default configurations to enable testing of low end UE	approved	A	4.6.0	Common Test Environments for User Equipment (UE) Conformance Testing	T1
TP-030045	34.121	235	-	3.11.0	R99	CR 34.121 on P-CCPCH RSCP test case for FDD to TDD handover	approved	F	3.12.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-030045	34.121	236	-	3.11.0	R99	CR 34.121 on Correct reporting of TDD inter-frequency neighbours in AWGN test case	approved	F	3.12.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-030045	34.121	237	-	3.11.0	R99	CR 34.121 on Correction for minimum requirement of UE transmitted power test case	approved	F	3.12.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-030045	34.121	238	-	3.11.0	R99	CR 34.121 on Removal of 34.123-1 Annex A reference	approved	F	3.12.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-030045	34.121	239	-	3.11.0	R99	CR 34.121 on Correction of UE parameter for Correct behaviour at Time-out test case	approved	F	3.12.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-030045	34.121	240	-	3.11.0	R99	CR 34.121 on Correction of Out-of-synchronisation handling of output power test case	approved	F	3.12.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-030045	34.121	241	-	3.11.0	R99	CR 34.121 on Removal of uplink dummy DCCH transmission function in UE	approved	F	3.12.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-030045	34.121	242	-	3.11.0	R99	CR 34.121 on Correction for Combining of TPC commands from radio links of different radio link sets test case	approved	F	3.12.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-030046	34.122	124	-	3.10.0	R99	CR 34.122 on RRC connection re-establishment test cases Rel99	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	125	-	4.6.0	Rel-4	CR 34.122 on RRC connection re-establishment test cases Rel4	approved	A	4.7.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	126	-	3.10.0	R99	CR 34.122 on Transport Format Combination Selection test case Rel99	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	127	-	4.6.0	Rel-4	CR 34.122 on Transport Format Combination Selection test case Rel4	approved	A	4.7.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	128	-	3.10.0	R99	CR 34.122 on Timing Advance test case Rel99	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	129	-	4.6.0	Rel-4	CR 34.122 on Timing Advance test case Rel4	approved	A	4.7.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1

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TP-030046	34.122	130	-	3.10.0	R99	CR 34.122 on Event-triggered reporting in AWGN test case Rel99	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	131	-	4.6.0	Rel-4	CR 34.122 on Event-triggered reporting in AWGN test case Rel4	approved	A	4.7.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	132	-	3.10.0	R99	CR 34.122 on Event 1H and 1I triggered reporting in AWGN propagation condition test case Rel99	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	133	-	4.6.0	Rel-4	CR 34.122 on Event 1H and 1I triggered reporting in AWGN propagation condition test case Rel4	approved	A	4.7.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	134	-	3.10.0	R99	CR 34.122 on Correct reporting of neighbours in fading propagation condition test case Rel99	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	135	-	4.6.0	Rel-4	CR 34.122 on Correct reporting of neighbours in fading propagation condition test case Rel4	approved	A	4.7.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	136	-	3.10.0	R99	CR 34.122 on Correct reporting of TDD inter-frequency neighbours in AWGN propagation condition test case Rel99	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	137	-	4.6.0	Rel-4	CR 34.122 on Correct reporting of TDD inter-frequency neighbours in AWGN propagation condition test case Rel4	approved	A	4.7.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	138	-	3.10.0	R99	CR 34.122 on Correct reporting of FDD inter-frequency neighbours in AWGN propagation condition test case Rel99	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	139	-	4.6.0	Rel-4	CR 34.122 on Correct reporting of FDD inter-frequency neighbours in AWGN propagation condition test case Rel4	approved	A	4.7.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	140	-	3.10.0	R99	CR 34.122 on Corrections to TDD Cell Reselection and Handover Test Cases Rel99	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	141	-	4.6.0	Rel-4	CR 34.122 on Corrections to TDD Cell Reselection and Handover Test Cases Rel4	approved	A	4.7.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	142	-	3.10.0	R99	CR 34.122 on CPICH RSCP Measurement test case Rel99	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	143	-	4.6.0	Rel-4	CR 34.122 on CPICH RSCP Measurement test case Rel4	approved	A	4.7.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	144	-	3.10.0	R99	CR 34.122 on Timeslot ISCP Measurement test case Rel99	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	145	-	4.6.0	Rel-4	CR 34.122 on Timeslot ISCP Measurement test case Rel4	approved	A	4.7.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	146	-	3.10.0	R99	CR 34.122 on UTRA carrier RSSI Measurement test case Rel99	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	147	-	4.6.0	Rel-4	CR 34.122 on UTRA carrier RSSI Measurement test case Rel4	approved	A	4.7.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	148	-	3.10.0	R99	CR 34.122 on SFN-SFN type 1 test case Rel99	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	149	-	4.6.0	Rel-4	CR 34.122 on SFN-SFN type 1 test case Rel4	approved	A	4.7.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	150	-	3.10.0	R99	CR 34.122 on SFN-CFN observed time difference measurement test case Rel99	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	151	-	4.6.0	Rel-4	CR 34.122 on SFN-CFN observed time difference measurement test case Rel4	approved	A	4.7.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	152	-	3.10.0	R99	CR 34.122 on TDD-GSM handover case Rel99	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1

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TP-030046	34.122	153	-	4.6.0	Rel-4	CR 34.122 on TDD-GSM handover case Rel4	approved	A	4.7.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	154	-	3.10.0	R99	CR 34.122 on Correction to Cell Re-selection in CELL_PCH and URA_PCH test cases Rel99	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	155	-	4.6.0	Rel-4	CR 34.122 on Correction to Cell Re-selection in CELL_PCH and URA_PCH test cases Rel4	approved	A	4.7.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	156	-	3.10.0	R99	CR 34.122 on Reference and measurement performance sSub-sections updates in 34.122 Rel99	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	157	-	4.6.0	Rel-4	CR 34.122 on Reference and measurement performance sub-sections updates in 34.122 Rel4	approved	A	4.7.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	158	-	3.10.0	R99	CR 34.122 on Corrections to P-CCPCH RSCP test case Rel99	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	159	-	4.6.0	Rel-4	CR 34.122 on Corrections to P-CCPCH RSCP test case Rel4	approved	A	4.7.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	160	-	3.10.0	R99	CR 34.122 on Statistical testing of RRM delay performance in Annex F.6.2 Rel99	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	161	-	4.6.0	Rel-4	CR 34.122 on Statistical testing of RRM delay performance in Annex F.6.2 Rel4	approved	A	4.7.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	162	-	4.6.0	Rel-4	CR 34.122 on Addition of LCR Event 1G test	approved	F	4.7.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	163	-	4.6.0	Rel-4	CR 34.122 on addition of LCR events 1H and 1I	approved	F	4.7.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	164	-	4.6.0	Rel-4	CR 34.122 on addition of LCR neighbour monitoring	approved	F	4.7.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	165	-	4.6.0	Rel-4	CR 34.122 on Updates to LCR TDD Hand-over inter and intra frequency test cases	approved	F	4.7.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030046	34.122	166	-	4.6.0	Rel-4	CR 34.122 on Updates to tables in the TDD RX performance test	approved	F	4.7.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-030049	34.123-1	408	-	5.2.0	Rel-5	Corrections to GMM Package 1 test cases as T1S030012rev1	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030048	34.123-1	409	-	5.2.0	Rel-5	Clause 8.3.1.1 Cell Update: cell reselection in CELL_FACH(Package1) as T1S0300015rev1	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030047	34.123-1	410	-	5.2.0	Rel-5	Clause 7.2.3.24 Polling for status / Operation of timer Timer_Poll_Prohibit (Package 1)	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030049	34.123-1	411	-	5.2.0	Rel-5	on Correction to package 4 GMM test case 12.6.1.3.3 Authentication Rejected by the UE / fraudulent network	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030047	34.123-1	412	-	5.2.0	Rel-5	Corrections to package 4 idle mode test case 6.1.2.9	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030047	34.123-1	413	-	5.2.0	Rel-5	Alignement of cell numbering for inter-RAT idle mode test case	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1

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TP-030047	34.123-1	414	-	5.2.0	Rel-5	Correction to package 1 RLC test case 7.2.3.18	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030047	34.123-1	415	-	5.2.0	Rel-5	Correction to low prio RLC test cases 7.2.2.11, 7.2.3.31 and 7.2.3.32	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030047	34.123-1	416	-	5.2.0	Rel-5	Clause 7.2.3.21 Polling for status / Operation of Timer_Poll timer / Timer expiry (Package 1)	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030047	34.123-1	417	-	5.2.0	Rel-5	Correction to low prio PDCP test cases 7.3.2.1.2, 7.3.2.2.2, 7.3.2.2.4 and 7.3.2.2.5	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030048	34.123-1	418	-	5.2.0	Rel-5	Correction to package 1 RRC Test Case 8.1.1.1	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030048	34.123-1	419	-	5.2.0	Rel-5	Correction to TS 34.123-1 Package1; Radio Bearer Establishment procedure	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030048	34.123-1	420	-	5.2.0	Rel-5	Corrections to Package 1 RRC test cases	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030048	34.123-1	421	-	5.2.0	Rel-5	Corrections to Package 2 RRC test cases	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030048	34.123-1	422	-	5.2.0	Rel-5	Update to test cases 8.2.4.3 and 8.2.4.4(Package 2)	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030048	34.123-1	423	-	5.2.0	Rel-5	Corrections to Early UE Specific Information in RRC Connection Request (Package 1)	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030048	34.123-1	424	-	5.2.0	Rel-5	Corrections to package 2 test case 8.1.10.1	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030048	34.123-1	425	-	5.2.0	Rel-5	Corrections to package 3 RRC test case 8.4.1.40	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030048	34.123-1	426	-	5.2.0	Rel-5	Corrections to package 4 test cases on Inter system handover	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030048	34.123-1	427	-	5.2.0	Rel-5	Corrections to package 4 test cases on RRC Direct transfer	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030048	34.123-1	428	-	5.2.0	Rel-5	Correction to package 1 RRC Test Case 8.1.1.7	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030048	34.123-1	429	-	5.2.0	Rel-5	Corrections to package 4 test cases on RRC connection establishment and release	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1

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TP-030048	34.123-1	430	-	5.2.0	Rel-5	Corrections to package 4 test cases on Physical Channel Reconfiguration	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030048	34.123-1	431	-	5.2.0	Rel-5	Corrections to package 4 test cases on RB establishment	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030048	34.123-1	432	-	5.2.0	Rel-5	Corrections to package 4 test cases on TrCH reconfiguration	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030048	34.123-1	433	-	5.2.0	Rel-5	Corrections to package 4 test cases on RRC Connection mobility	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030048	34.123-1	434	-	5.2.0	Rel-5	New test cases for security	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030048	34.123-1	435	-	5.2.0	Rel-5	Removal of low priority RRC test cases with state transition	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030048	34.123-1	436	-	5.2.0	Rel-5	Corrections to clause 8.2.2.20	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030048	34.123-1	437	-	5.2.0	Rel-5	Addition of re-run statements when it is failed in cell reselection	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030048	34.123-1	438	-	5.2.0	Rel-5	Corrections to package 4 test cases on RB release	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030048	34.123-1	439	-	5.2.0	Rel-5	Corrections to package 4 test cases on RB reconfiguration	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030048	34.123-1	440	-	5.2.0	Rel-5	Corrections to package 4 test cases on Measurements	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030048	34.123-1	441	-	5.2.0	Rel-5	Corrections to Low Priority RRC test cases	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030048	34.123-1	442	-	5.2.0	Rel-5	Correction to clause 8.1.6.4 and 8.1.9a/b as T1S-020628rev1	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030049	34.123-1	443	-	5.2.0	Rel-5	Corrections to package 4 test cases on CC	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030049	34.123-1	444	-	5.2.0	Rel-5	Correction to Tables 10.1.3/2 and 10.1.3/4	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030049	34.123-1	445	-	5.2.0	Rel-5	Corrections to package 4 test cases on MM	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1

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TP-030049	34.123-1	446	-	5.2.0	Rel-5	Correction to low priority TC 12.4.3.2 Periodic routing area updating / accepted / T3312 default value	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030049	34.123-1	447	-	5.2.0	Rel-5	Introduction of a new test case for a PSdetach procedure with the cause "PS services not allowed in this PLMN"	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030049	34.123-1	448	-	5.2.0	Rel-5	Corrections to package 4 test cases on GMM as T1S030221rev1	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030049	34.123-1	449	-	5.2.0	Rel-5	Corrections to package 1 GMM Test Cases	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030049	34.123-1	450	-	5.2.0	Rel-5	Corrections to package 4 GMM test cases on RAB re-establishment	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030048	34.123-1	451	-	5.2.0	Rel-5	Corrections to package 4 test cases on RRC Security	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030049	34.123-1	452	-	5.2.0	Rel-5	Correction to Low Prio SM test case 11.2.3.2	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030049	34.123-1	453	-	5.2.0	Rel-5	Maintenance of low priority test case 11.1.2 PDP context activation requested by the network, successful and unsuccessful	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030049	34.123-1	454	-	5.2.0	Rel-5	Correction to package 3 test case 16.1.2 SMS mobile originated	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030047	34.123-1	455	-	5.2.0	Rel-5	Corrections to generic setup procedure for radio bearer testing	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030047	34.123-1	456	-	5.2.0	Rel-5	Corrections to add minimum set of TFCIs to package 1 RB test cases	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030047	34.123-1	457	-	5.2.0	Rel-5	Corrections to add minimum set of TFCIs to package 2 RB test cases	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030047	34.123-1	458	-	5.2.0	Rel-5	Corrections to add minimum set of TFCIs to package 3 RB test cases	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030047	34.123-1	459	-	5.2.0	Rel-5	Generic procedure for radio bearer testing using the DSCH	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030047	34.123-1	460	-	5.2.0	Rel-5	Prose for the MultiRAB DSCH Radio bearers test cases	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030049	34.123-1	461	-	5.2.0	Rel-5	Update of Conformance requirement and Expected sequence in test case 11.1.1.2.1 (Package 3) as T1S030104rev1	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1

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TP-030049	34.123-1	462	-	5.2.0	Rel-5	Update of Conformance requirement and Expected sequence in test case 11.1.1.2.2 (Package 4) as T1S030105rev1	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030047	34.123-1	463	-	5.2.0	Rel-5	Inclusion of new test cases for intrafrequency Measurement Control and Report TDD	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030047	34.123-1	464	-	5.2.0	Rel-5	Inclusion of test case for events 1H and 1I (TDD)	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030047	34.123-1	465	-	5.2.0	Rel-5	Addition of test cases for RBs for Interactive or background service based on 34.108	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030047	34.123-1	466	-	5.2.0	Rel-5	Addition of test cases for RBs for conversational/speech and interactive or background service based on 34.108	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030047	34.123-1	467	-	5.2.0	Rel-5	Addition of test cases for RBs for conversational/speech and streaming/unknown or conversational/Unknown service based on 34.108	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030047	34.123-1	468	-	5.2.0	Rel-5	Addition of test cases for RBs for conversational/unknown and Interactive or background service based on 34.108	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030047	34.123-1	469	-	5.2.0	Rel-5	Addition of test case for RB for Interactive or/background and streaming/unknown service and test case for RB for combinations on S-CCPCH based on 34.108	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030049	34.123-1	470	-	5.2.0	Rel-5	Correction to GMM Package 2 test cases	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030048	34.123-1	471	-	5.2.0	Rel-5	Correction to package 1 RRC Test Case 8.1.2.7	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-030050	34.123-2	095	-	5.2.0	Rel-5	Update of Applicability statement for GMM	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-030050	34.123-2	096	-	5.2.0	Rel-5	Update of test case applicability	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-030050	34.123-2	097	-	5.2.0	Rel-5	Correction of conditions C30, C31 and C32 used in clause 16.2	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-030050	34.123-2	098	-	5.2.0	Rel-5	Update to Applicability Table for Package 1 Test Cases	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-030050	34.123-2	099	-	5.2.0	Rel-5	Inclusion of new test cases for Measurement Control and Report TDD in applicability table	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-030050	34.123-2	100	-	5.2.0	Rel-5	Update of applicability table including test case for events 1H and 1I	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1

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TP-030050	34.123-2	101	-	5.2.0	Rel-5	Addition of new TCs to table 1 appicability of tests	approved	F	5.3.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-030051	34.123-3	001	-	3.0.0	R99	Change to test case 9.2.3 required for approval	approved	F	3.1.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030051	34.123-3	002	-	3.0.0	R99	Change to test case 9.2.4 required for approval	approved	F	3.1.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030051	34.123-3	003	-	3.0.0	R99	Change to test case 10.1.3.4.1 required for approval	approved	F	3.1.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030051	34.123-3	004	-	3.0.0	R99	Inclusion of RLC test case 7.2.2.3 to RLC ATS V3.0.0	approved	F	3.1.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030051	34.123-3	005	-	3.0.0	R99	Inclusion of RLC test case 7.2.2.4 to RLC ATS V3.0.0	approved	F	3.1.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030051	34.123-3	006	-	3.0.0	R99	Inclusion of RLC test case 7.2.2.7 to RLC ATS V3.0.0	approved	F	3.1.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030051	34.123-3	007	-	3.0.0	R99	Inclusion of RLC test case 7.2.3.4 to RLC ATS V3.0.0	approved	F	3.1.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030051	34.123-3	008	-	3.0.0	R99	Inclusion of RLC test case 7.2.3.5 to RLC ATS V3.0.0	approved	F	3.1.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030051	34.123-3	009	-	3.0.0	R99	Changes to TS34.123-3 V200 to introduce TC_8_1_1_4	approved	F	3.1.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030051	34.123-3	010	-	3.0.0	R99	TTCN changes to the approved test cases in V300	approved	F	3.1.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030051	34.123-3	011	1	3.0.0	R99	CR 34.123-3, V300 as T1S030009rev1	approved	F	3.1.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030051	34.123-3	012	-	3.0.0	R99	Indroducing Test Case 8.1.2.7	approved	F	3.1.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030051	34.123-3	013	-	3.0.0	R99	Introduction of Test Case 8.2.1.1	approved	F	3.1.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030051	34.123-3	014	-	3.0.0	R99	Introduction of Test Case 8.2.3.1	approved	F	3.1.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1
TP-030051	34.123-3	015	-	3.0.0	R99	Addition of RRC test case 8.1.9 to RRC ATS V3.0.0	approved	F	3.1.0	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	T1

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TP-030037	07.07	A91	-	7.7.0	R98	Correction ATV0 result codes	approved	F	7.8.0	AT Command set for GSM Mobile Equipment (ME)	T2
TP-030038	23.041	012	-	4.3.0	Rel-4	CB Data length	approved	F	4.4.0	Technical realization of Cell Broadcast Service (CBS)	T2
TP-030038	23.041	013	-	5.0.0	Rel-5	CB Data length	approved	A	5.1.0	Technical realization of Cell Broadcast Service (CBS)	T2
TP-030038	23.041	014	-	6.0.0	Rel-6	CB Data length	approved	A	6.1.0	Technical realization of Cell Broadcast Service (CBS)	T2
TP-030039	23.140	100	-	5.5.0	Rel-5	Transferring distribution indicator as part of message retrieval	approved	F	5.6.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-030039	23.140	101	-	6.0.0	Rel-6	Transferring distribution indicator as part of message retrieval	approved	A	6.1.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-030039	23.140	102	1	4.8.0	Rel-4	Conditional Usage of the Message-ID in MM1_Retrieve.RES	approved	F	4.9.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-030039	23.140	103	-	5.5.0	Rel-5	Conditional Usage of the Message-ID in MM1_Retrieve.RES	approved	F	5.6.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-030039	23.140	104	-	6.0.0	Rel-6	Conditional Usage of the Message-ID in MM1_Retrieve.RES	approved	A	6.1.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-030039	23.140	105	-	6.0.0	Rel-6	Recipient Handling on MM4	approved	C	6.1.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-030039	23.140	106	-	5.5.0	Rel-5	Support of the “Bcc:” information element in the MM4 reference point.	approved	F	5.6.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-030039	23.140	107	-	4.8.0	Rel-4	MMS UA behaviour regarding the MMS parameters on the (U)SIM	approved	F	4.9.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-030039	23.140	108	-	5.5.0	Rel-5	MM1 MMBox View Clarifications	approved	F	5.6.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-030039	23.140	109	-	6.0.0	Rel-6	MM1 MMBox View Clarifications	approved	A	6.1.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-030039	23.140	110	-	4.8.0	Rel-4	MM4_Read_reply_report processing refers to an incorrect message	approved	F	4.9.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-030039	23.140	111	-	5.5.0	Rel-5	MM4_Read_reply_report processing refers to an incorrect message	approved	A	5.6.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-030039	23.140	112	-	6.0.0	Rel-6	MM4_Read_reply_report processing refers to an incorrect message	approved	A	6.1.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-030039	23.140	113	-	5.5.0	Rel-5	Addition of missing field in table K6	approved	F	5.6.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-030039	23.140	114	-	6.0.0	Rel-6	Addition of missing field in table K6	approved	A	6.1.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-030037	27.007	094	-	3.12.0	R99	Clarification in the behaviour of AT+CGCLASS	revised	F		AT command set for 3G User Equipment (UE)	T2
TP-030067	27.007	094	1	3.12.0	R99	Clarification in the behaviour of AT+CGCLASS	approved	F	3.13.0	AT command set for 3G User Equipment (UE)	T2
TP-030066	27.007	094	1	3.12.0	R99	Clarification in the behaviour of AT+CGCLASS	withdrawn	F		AT command set for 3G User Equipment (UE)	T2
TP-030037	27.007	095	-	4.5.0	Rel-4	Clarification in the behaviour of AT+CGCLASS	revised	A		AT command set for 3G User Equipment (UE)	T2
TP-030067	27.007	095	1	4.5.0	Rel-4	Clarification in the behaviour of AT+CGCLASS	approved	A	4.6.0	AT command set for 3G User Equipment (UE)	T2

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TP-030037	27.007	096	-	5.2.0	Rel-5	Clarification in the behaviour of AT+CGCLASS	revised	A		AT command set for 3G User Equipment (UE)	T2
TP-030067	27.007	096	1	5.2.0	Rel-5	Clarification in the behaviour of AT+CGCLASS	approved	A	5.3.0	AT command set for 3G User Equipment (UE)	T2
TP-030037	27.007	097	-	6.1.0	Rel-6	Clarification in the behaviour of AT+CGCLASS	revised	A		AT command set for 3G User Equipment (UE)	T2
TP-030067	27.007	097	1	6.1.0	Rel-6	Clarification in the behaviour of AT+CGCLASS	approved	A	6.2.0	AT command set for 3G User Equipment (UE)	T2
TP-030037	27.007	098	-	3.12.0	R99	Correction ATV0 result codes	approved	A	3.13.0	AT command set for 3G User Equipment (UE)	T2
TP-030037	27.007	099	-	4.5.0	Rel-4	Correction ATV0 result codes	approved	A	4.6.0	AT command set for 3G User Equipment (UE)	T2
TP-030037	27.007	100	-	5.2.0	Rel-5	Correction ATV0 result codes	approved	A	5.3.0	AT command set for 3G User Equipment (UE)	T2
TP-030037	27.007	101	-	6.1.0	Rel-6	Correction ATV0 result codes	approved	A	6.2.0	AT command set for 3G User Equipment (UE)	T2
TP-030037	27.007	102	-	3.12.0	R99	Correction of AT+WS46 parameter values.	revised	F		AT command set for 3G User Equipment (UE)	T2
TP-030071	27.007	102	1	3.12.0	R99	Correction of AT+WS46 parameter values.	approved	F	3.13.0	AT command set for 3G User Equipment (UE)	T2
TP-030037	27.007	103	-	4.5.0	Rel-4	Correction of AT+WS46 parameter values.	revised	A		AT command set for 3G User Equipment (UE)	T2
TP-030071	27.007	103	1	4.5.0	Rel-4	Correction of AT+WS46 parameter values.	approved	A	4.6.0	AT command set for 3G User Equipment (UE)	T2
TP-030037	27.007	104	-	5.2.0	Rel-5	Correction of AT+WS46 parameter values.	revised	A		AT command set for 3G User Equipment (UE)	T2
TP-030071	27.007	104	1	5.2.0	Rel-5	Correction of AT+WS46 parameter values.	approved	A	5.3.0	AT command set for 3G User Equipment (UE)	T2
TP-030037	27.007	105	-	6.1.0	Rel-6	Correction of AT+WS46 parameter values.	revised	A		AT command set for 3G User Equipment (UE)	T2
TP-030071	27.007	105	1	6.1.0	Rel-6	Correction of AT+WS46 parameter values.	approved	A	6.2.0	AT command set for 3G User Equipment (UE)	T2
TP-030037	27.007	106	-	3.12.0	R99	AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	rejected	F		AT command set for 3G User Equipment (UE)	T2
TP-030037	27.007	107	-	4.5.0	Rel-4	AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	rejected	A		AT command set for 3G User Equipment (UE)	T2
TP-030037	27.007	108	-	5.2.0	Rel-5	AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	approved	A	5.3.0	AT command set for 3G User Equipment (UE)	T2
TP-030037	27.007	109	-	6.1.0	Rel-6	AT +CGEQREQ - Required Parameters for Streaming / Conversational Traffic Class	approved	A	6.2.0	AT command set for 3G User Equipment (UE)	T2
TP-030017	11.11	A134	-	8.9.0	R99	CR to delete Elementary File EFRPLMNAcT, in accordance with TP-020168 from TP#16 in Marco Island.	rejected	F		Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	T3
TP-030026	11.13	A006	-	8.1.0	R99	Corrections on 11.13 Specificaction	approved	F	8.2.0	Test specification for SIM API for Java card	T3
TP-030026	11.13	A007	-	8.1.0	Rel-4	Upgrade of 11.13 Specification to Release 4	approved	F	4.0.0	Test specification for SIM API for Java card	T3

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TP-030020	11.14	A216	-	8.12.0	R99	Correction to the lack of specified behaviour when the link drops in Bearer Independent Protocol.	approved	F	8.13.0	Specification of the SIM Application Toolkit for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3
TP-030027	11.17	A001	-	8.0.0	R99	Correction of wrong reference to 11.11	approved	F	8.1.0	SIM test specification	T3
TP-030025	23.048	030	-	5.5.0	Rel-5	Starting directory for the RFM Applications	approved	F	5.6.0	Security Mechanisms for the (U)SIM application toolkit; Stage 2	T3
TP-030025	23.048	031	-	5.5.0	Rel-5	Correction on behaviour for Response Packet	approved	F	5.6.0	Security Mechanisms for the (U)SIM application toolkit; Stage 2	T3
TP-030025	23.048	032	-	4.3.0	Rel-4	Implementation for SMS-CB in 3G	approved	F	4.4.0	Security Mechanisms for the (U)SIM application toolkit; Stage 2	T3
TP-030025	23.048	033	-	5.5.0	Rel-5	Implementation for SMS-CB in 3G	approved	F	5.6.0	Security Mechanisms for the (U)SIM application toolkit; Stage 2	T3
TP-030025	23.048	034	-	5.5.0	Rel-5	Default values assigned to the application for optional parameters if not present in the install(install) command data.	approved	F	5.6.0	Security Mechanisms for the (U)SIM application toolkit; Stage 2	T3
TP-030018	31.102	130	1	6.0.0	Rel-6	Miscellaneous corrections on files	rejected	D		Characteristics of the USIM Application	T3
TP-030018	31.102	131	-	4.7.0	Rel-4	CR 31.102 Rel-4: Example for MMS connectivity parameters	approved	F	4.8.0	Characteristics of the USIM Application	T3
TP-030018	31.102	132	-	5.3.0	Rel-5	CR 31.102 Rel-5: Example for MMS connectivity parameters	approved	A	5.4.0	Characteristics of the USIM Application	T3
TP-030018	31.102	133	-	6.0.0	Rel-6	CR 31.102 Rel-6: Example for MMS connectivity parameters	approved	A	6.1.0	Characteristics of the USIM Application	T3
TP-030018	31.102	134	-	3.11.0	R99	CR to delete Elementary File EFRPLMNAcT, in accordance with TP-020168 from TP#16 in Marco Island.	rejected	F		Characteristics of the USIM Application	T3
TP-030018	31.102	135	-	4.7.0	Rel-4	CR to delete Elementary File EFRPLMNAcT, in accordance with TP-020168 from TP#16 in Marco Island.	rejected	A		Characteristics of the USIM Application	T3
TP-030018	31.102	136	-	5.3.0	Rel-5	CR to delete Elementary File EFRPLMNAcT, in accordance with TP-020168 from TP#16 in Marco Island.	rejected	A		Characteristics of the USIM Application	T3
TP-030018	31.102	137	-	6.0.0	Rel-6	CR to delete Elementary File EFRPLMNAcT, in accordance with TP-020168 from TP#16 in Marco Island.	rejected	A		Characteristics of the USIM Application	T3
TP-030018	31.102	138	-	3.11.0	R99	CR to make EF-EXT1 optional in the USIM Phonebook	approved	F	3.12.0	Characteristics of the USIM Application	T3
TP-030018	31.102	139	-	4.7.0	Rel-4	CR to make EF-EXT1 optional in the USIM Phonebook	approved	F	4.8.0	Characteristics of the USIM Application	T3
TP-030018	31.102	140	-	5.3.0	Rel-5	CR to make EF-EXT1 optional in the USIM Phonebook	approved	F	5.4.0	Characteristics of the USIM Application	T3
TP-030018	31.102	141	-	6.0.0	Rel-6	CR to make EF-EXT1 optional in the USIM Phonebook	approved	F	6.1.0	Characteristics of the USIM Application	T3
TP-030019	31.103	005	-	5.2.0	Rel-5	Alignment with the Stage 2 terminology.	approved	F	5.3.0		T3
TP-030019	31.103	006	-	6.0.0	Rel-6	Alignment with the Stage 2 terminology.	approved	F	6.1.0		T3
TP-030021	31.111	084	-	3.9.0	R99	Device identifies for Browser Termination event, Wild values in response to call control, TLV length handling	approved	F	3.10.0	USIM Application Toolkit (USAT)	T3
TP-030021	31.111	085	-	3.9.0	R99	Icon identifiers handling	approved	F	3.10.0	USIM Application Toolkit (USAT)	T3
TP-030021	31.111	086	-	5.3.0	Rel-5	Correction of the Terminal Profile	approved	F	5.4.0	USIM Application Toolkit (USAT)	T3
TP-030021	31.111	087	-	3.9.0	R99	Correction to the lack of specified behaviour when the link drops in Bearer Independent Protocol.	approved	F	3.10.0	USIM Application Toolkit (USAT)	T3
TP-030021	31.111	088	-	5.3.0	Rel-5	Restructuring of TS 31.111 to be based on ETSI TS 102 223	approved	F	5.4.0	USIM Application Toolkit (USAT)	T3
TP-030021	31.111	089	-	4.9.0	Rel-4	Wild values in response to Call Control and MO Short Message Control envelopes	approved	F	4.10.0	USIM Application Toolkit (USAT)	T3

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
TP-030021	31.111	090	-	5.3.0	Rel-5	Wild values in response to Call Control and MO Short Message Control envelopes	approved	F	5.4.0	USIM Application Toolkit (USAT)	T3
TP-030021	31.111	091	-	4.9.0	Rel-4	Extended location information	approved	F	4.10.0	USIM Application Toolkit (USAT)	T3
TP-030021	31.111	092	-	5.3.0	Rel-5	Extended location information	approved	A	5.4.0	USIM Application Toolkit (USAT)	T3
TP-030021	31.111	093	-	3.9.0	R99	Cell Broadcast data download in 3G	approved	F	3.10.0	USIM Application Toolkit (USAT)	T3
TP-030021	31.111	094	-	4.9.0	Rel-4	Cell Broadcast data download in 3G	approved	F	4.10.0	USIM Application Toolkit (USAT)	T3
TP-030021	31.111	095	-	5.3.0	Rel-5	Cell Broadcast data download in 3G	approved	F	5.4.0	USIM Application Toolkit (USAT)	T3
TP-030022	31.113	025	-	5.4.0	Rel-5	Several Corrections	approved	F	5.5.0	USAT interpreter byte codes	T3
TP-030022	31.113	026	-	6.1.0	Rel-6	Several Corrections	approved	F	6.2.0	USAT interpreter byte codes	T3
TP-030022	31.114	004	-	5.2.0	Rel-5	Correction on Byte Code List Value	approved	F	5.3.0	USAT interpreter protocol and administration	T3
TP-030025	31.116	003	-	6.2.0	Rel-6	Correction on behaviour for Response Packet	approved	A	6.3.0		T3
TP-030028	31.121	020	-	3.4.0	R99	File size correction	approved	F	3.5.0	UICC-terminal interface; USIM application test specification	T3
TP-030028	31.121	021	-	4.3.0	Rel-4	File size correction	approved	A	4.4.0	UICC-terminal interface; USIM application test specification	T3
TP-030028	31.121	022	-	3.4.0	R99	Correction of PLMN coding	approved	F	3.5.0	UICC-terminal interface; USIM application test specification	T3
TP-030028	31.121	023	-	4.3.0	Rel-4	Correction of PLMN coding	approved	A	4.4.0	UICC-terminal interface; USIM application test specification	T3
TP-030029	31.122	015	-	3.5.0	R99	Correction to the returned FCP of the SELECT and the STATUS command	approved	F	3.6.0	USIM conformance test specification	T3
TP-030023	31.131	001	-	6.0.0	Rel-6	Editorial Corrrections	approved	D	6.1.0	C-language binding for (U)SIM API	T3
TP-030030	31.900	009	-	5.1.0	Rel-5	Clarifying notes to SIM/USIM File Mapping Table	approved	F	5.2.0	SIM/USIM internal and external interworking aspects	T3
TP-030024	43.019	030	-	5.5.0	Rel-5	Clarification on EVENT_EVENT_DOWNLOAD_DATA_AVAILABLE and EVENT_EVENT_DOWNLOAD_CHANNEL_STATUS registration	approved	F	5.6.0	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	T3
TP-030017	51.011	017	-	4.6.0	Rel-4	Correction of reference to GSM 11.14 (R4 is TS 51.014)	approved	F	4.7.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3
TP-030017	51.011	018	-	4.6.0	Rel-4	CR 51.011 Rel-4: Example for MMS connectivity parameters	approved	F	4.7.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3
TP-030017	51.011	019	-	4.6.0	Rel-4	CR to delete Elementary File EFRPLMNAcT, in accordance with TP-020168 from T Plenary in Marco Island.	rejected	F		Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3
TP-030020	51.014	001	-	4.0.0	Rel-4	Local Links correction	approved	F	4.1.0	Specification of Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface for SIM Application Toolkit	T3
TP-030020	51.014	002	-	4.0.0	Rel-4	Replacement of improper terms “UICC” and “11.11”.	approved	F	4.1.0	Specification of Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface for SIM Application Toolkit	T3

Annex G: Definition of Release 4, extracted from the Project Plan - version 03/03/28

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1340	S1	Rel-4	No	Facsimile	FAX	TSG	Tue 22/02/00	Fri 23/06/00	100%	Yes	Yes			
1539	S4	Rel-4	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	T2	Rel-4	No	Multimedia Messaging	MMS	TSG	Tue 22/02/00	Wed 14/03/01	99%	No	Yes	22.140, 23.140		Josef Laumen, Siemens
1541	N4	Rel-4	No	Transcoder-Free Operation	TrFO		Mon 03/01/00	Fri 30/03/01	99%	No	No		Lead given to CN4 from CN...	
2310	GP	Rel-4	No	GERAN improvements 1 (Gb over IP)	GEIMP1	TSG	Tue 09/05/00	Mon 19/03/01	100%	No	No			
2314	GP	Rel-4	No	GERAN improvements 2 (NACC)	GEIMP2	TSG	Mon 06/11/00	Fri 19/12/03	80%	No	No			
2324	GP	Rel-4	No	GERAN improvements 4 (Delayed TBF)	GEIMP4	TSG	Mon 15/01/01	Fri 08/06/01	100%	No	No			
1222	R1	Rel-4	No	Low Chip Rate TDD option	LCRTDD	TSG	Wed 19/07/00	Tue 02/12/03	76%	No	No			G. Yang, CWTS
1322	S2	Rel-4	No	Enable bearer independent CS architecture	CSSPLIT	TSG	Mon 03/01/00	Fri 01/03/02	80%	No	No			Alexander Milinski, Siemens
1445	T2	Rel-4	No	MExE enhancements Rel-4	MEXE	TSG	Mon 03/01/00	Fri 14/12/01	99%	Yes	Yes			
1631	S4	Rel-4	No	Tandem Free aspects for 3G and between 2G and 3G systems	TFO		Tue 22/02/00	Fri 15/06/01	100%	No	No		RAN and CN to verify no problems for GSM terminals roaming in 3G R99	
2230	N1	Rel-4	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	GP	Rel-4	No	700 MHz spectrum support	700SS		Mon 03/01/00	Fri 20/12/02	99%	No	No			
2463	NP	Rel-4	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	S2	Rel-4	No	UMTS QoS Architecture for PS Domain	QoSPS	TSG	Mon 03/01/00	Wed 27/11/02	61%	No	No			Ina Widegren, Ericsson
1993	Generic	Rel-4	No	small Technical Enhancements and Improvements for Rel4	TEI4	TSG	Mon 03/01/00	Fri 30/03/01	100%	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"	
400002	RP	NA	Yes	Rel-4 Evolutions of the transport in the UTRAN	ETRAN	TSG	Mon 21/08/00	Fri 23/08/02	69%	No	No			Francois Courau
12	R3	Rel-4	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	R3	Rel-4	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

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
400004	N4	NA	Yes	Rel-4 Evolutions of the transport in the CN	CNTRSP		Mon 29/05/00	Fri 23/03/01	100%	No	No		WI formulation assigned to N4	
859	N4	Rel-4	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	S2	Rel-4	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
401216	RP	NA	Yes	Rel-4 Improvements of Radio Interface	RInImp	TSG	Mon 10/07/00	Fri 14/03/03	83%	No	No			
1509	R4	Rel-4	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	R1	Rel-4	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
401839	T1		No	Conformance Test Spec. Rel-4 improvements in Radio Interface			Mon 08/10/01	Fri 14/03/03	64%	No	No			
2214	T1	Rel-4	No	Testing DSCH power control improvement in soft handover			Mon 18/02/02	Fri 30/08/02	0%	No	No		start/finish dates set...	
400009	RP	NA	Yes	Rel-4 RAN improvements	RANimp	TSG	Mon 14/08/00	Wed 17/03/04	17%	No	No			
655	R1	Rel-4	No	Node B synchronisation for TDD	RANimp-NBsync	TSG	Mon 14/08/00	Fri 23/03/01	100%	Yes	Yes			S. Oestreich, Siemens
2206	R2	Rel-4	No	RAB support enhancement for Rel-4	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
402102	T1		No	Conformance Test Aspects - Rel-4 RAN Improvements			Tue 01/01/02	Wed 17/03/04	2%	No	No	0%		
402461	T1	Rel-4	Yes	Testing RAB support enhancements-Robust Header Compression	RABimp-RoCH	TSG	Tue 28/05/02	Wed 03/09/03	0%	No	No	34.123-1, -2	UID changed	
41006	T1	Rel-4	Yes	Testing RAB support enhancements-Robust Header Compression - TTCN		TSG	Tue 28/05/02	Wed 17/03/04	0%	No	No	34.123-3	UID changed	
41007	T1	Rel-4	No	Testing of Extended Robut Header Compression	Ext-RoHC	TSG	Wed 18/09/02	Tue 30/09/03	15%	No	No	34.123-1, -2		
41008	T1	Rel-4	No	Testing of Extended Robut Header Compression - TTCN		TSG	Wed 18/09/02	Tue 16/12/03	0%	No	No	34.123-3		
41009	T1	Rel-4	No	General changes to TS34.121 corresponding to release 4	RANimp-test	TSG	Mon 03/03/03	Wed 03/03/04	0%	No	No	34.108, 34.121		
401652	N1	NA	Yes	Rel-4 Emergency call enhancements	EMC1	WG	Mon 03/01/00	Tue 28/05/02	64%	Yes	No			Mr Rouzbeh, Ericsson

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1654	N1	Rel-4	No	For CS based calls	EMC1-CS	TSG	Mon 03/01/00	Tue 28/05/02	64%	Yes	Yes		WI approved in TSG_10...	Mr Rouzbeh, Ericsson
401826	T2	NA	Yes	Rel-4 Terminal interfaces	TI		Mon 03/01/00	Thu 15/03/01	99%	No	No			
1827	T2	Rel-4	No	AT commands enhancements	TI-ATC		Mon 03/01/00	Wed 14/03/01	100%	No	No	27.007		
1829	T2	NA	Yes	Wide Area Data Synchronisation	TI-WADS		Mon 03/01/00	Wed 14/03/01	99%	No	No		AS: Rel5 changed to Rel4 according to SA#10 decision, milestone on testing added	
1830	T2	Rel-4	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	T2	Rel-4	No	Terminal local model	TLM	TSG	Tue 16/05/00	Thu 15/03/01	100%	No	Yes	23.227		Olga Tomé, Ericsson
401536	S2	NA	Yes	Rel-4 Location Services enhancements	LCS1	TSG	Mon 03/04/00	Fri 28/12/01	99%	No	No			Jan Kall, Nokia
2229	T2	Rel-4	No	CBS interactions	LCS1-CBS		Mon 03/04/00	Fri 28/12/01	100%	No	No	23.041		
523	S2	Rel-4	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	S2	Rel-4	No	LCS support in the PS domain	LCS1-PS		Mon 01/05/00	Fri 28/12/01	99%	No	No			
401600	RP	NA	No	UE positioning Rel-4	LCS1-UEpos	TSG	Mon 03/04/00	Fri 30/03/01	100%	Yes	Yes		UID changed	
1601	R3	Rel-4	No	Iub/Iur interfaces for methods Rel 99	LCS1-UEpos-IublIur	TSG	Mon 03/04/00	Fri 30/03/01	100%	No	Yes		"27/11: WG corrected; rapporteur corrected"	Yun-Chao Hu, Ericsson
1602	R2	Rel-4	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
401560	T3	NA	No	Rel-4 UICC/(U)SIM enhancements and interworking	UICC1		Mon 24/07/00	Fri 23/03/01	100%	No	No			
1799	T3	Rel-4	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
401800	T3	NA	No	Rel-4 (U)SIM toolkit enhancements	USAT1		Mon 05/06/00	Fri 23/03/01	100%	No	No			
2034	T3	Rel-4	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)
401571	S3	NA	No	Rel-4 Security enhancements	SEC1	TSG	Mon 03/01/00	Fri 15/03/02	87%	No	No		Added BB UE authentication and rapporteur added. TO BE DELETED	Peter Howard, Vodafone
1587	S3	Rel-4	No	Evolution of GSM CS algorithms (e.g. A5/3 development and deployment)	SEC1-CSALGO1	TSG	Mon 03/01/00	Mon 15/01/01	100%	Yes	Yes		Algorithm development go-ahead at SA3#21. Scheduled for completion in August 2002?. Approved SA#17. DELETE ENTRY FROM REL-4?	?

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1588	S3	Rel-4	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.	?
401583	S3	Rel-4	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. Completed Auto Key Management -> Rel-6	
401142	S5	NA	No	Rel-4 Charging and OAM&P	OAM	TSG	Fri 01/12/00	Fri 05/10/01	100%	No	No	32-series	az: WID appr.SA#13.	Albert YUHAN (VoiceStream Wireless), Michael TRUSS (Motorola)
2089	S5	Rel-4	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		Michael TRUSS (Motorola), Tommy BERGGREN (Telia AB)
2088	S5	Rel-4	No	Rel4 Performance Management		TSG	Fri 01/12/00	Fri 28/09/01	100%	No	No	32.4xy, 52.402	Changed Rapp email	Karl-Heinz NENNER (T-Mobile)
2081	S5	Rel-4	No	Fault Management		TSG	Fri 01/12/00	Fri 05/10/01	100%	Yes	Yes	32.111-1/4		Patrick JURÉ (Lucent Technologies)
2082	S5	Rel-4	No	Configuration Management	OAM-CM	TSG	Fri 01/12/00	Thu 21/06/01	100%	No	No	32.106-1/8		Thomas TOVINGER (Ericsson)
2083	S5	Rel-4	No	Rel4 Charging Management	OAM-CH	TSG	Fri 01/12/00	Fri 28/09/01	100%	No	No	32.2xy (Charging)	Changed Rapp email	Karl-Heinz NENNER (T-Mobile)
2071	S5	Rel-4	No	UTRAN Operations and Maintenance procedures	UOAM	TSG	Fri 01/12/00	Thu 21/06/01	100%	Yes	No	32.800		Bert Boden (Mannesmann Mobilfunk)

Annex H: Definition of Release 5, extracted from the Project Plan - version 03/03/28

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1800	T3	NA	Yes	Rel-6 UICC/USIM enhancements and interworking	USAT1		Mon 25/09/00	Wed 17/09/03	58%	No	No			
1802	T3	NA	Yes	UICC API	USAT1-API		Wed 20/03/02	Wed 17/09/03	25%	No	No		8/3/2001: test spec is based on R99 core spec, so deleted from Workplan	
43003	T3	Rel-5	No	Java API Test specification (TS 43.019 Rel-5)			Thu 30/05/02	Wed 17/09/03	0%	No	No			Mario Pérez (Microelectrónica Española)
401571	S3	NA	No	Rel-4 Security enhancements	SEC1	TSG	Mon 03/01/00	Fri 15/03/02	87%	No	No		Added BB UE authentication and rapporteur added. TO BE DELETED	Peter Howard, Vodafone
401583	S3	Rel-4	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. Completed Auto Key Management -> Rel-6	
401594	S3	Rel-5	No	CHECK STATUS - 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
0		Rel-5	No	----- Rel-5 features listed below -----			Mon 03/01/00	Mon 03/01/00	0%	No	No			
625	R3	Rel-5	No	IP transport in the UTRAN	ETRAN-IPtrans	TSG	Mon 17/07/00	Fri 29/03/02	100%	Yes	Yes			Nicolas Drevon, Alcatel
2455	N4	Rel-5	No	FS on Usage of SUA	SS7IP		Mon 12/03/01	Fri 21/12/01	100%	No	No		update WID...	
2476	R2	Rel-5	No	High Speed Downlink Packet Access	HSDPA	TSG	Mon 02/04/01	Fri 06/06/03	96%	No	No			Ravi Kuchibhotla, Motorola
501216	RP	NA	Yes	Rel-5 Improvements of Radio Interface	RInImp	TSG	Mon 14/08/00	Fri 30/08/02	89%	No	No			
1471	R4	Rel-5	No	Base station classification	RInImp-BSClass	TSG	Mon 14/08/00	Fri 14/06/02	100%	Yes	Yes			A. Toskala, Nokia
2469	R1	Rel-5	No	Enhancement on the DSCH hard split mode	RInImp-DSCHhsp	TSG	Fri 16/03/01	Fri 29/03/02	100%	No	No			Jaeyoel KIM, Samsung
1217	R2	Rel-5	No	Hybrid ARQ II/III	RInImp-HARQ	TSG	Mon 21/08/00	Fri 28/12/01	100%	Yes	No		"Stopped at RAN#14; work on this task was performed as part of High Speed Downlink Packet Access feature"	A. Sitte, Siemens
1221	R1	Rel-5	No	FS on USTS	RInImp-USTS	TSG	Mon 14/08/00	Fri 21/12/01	100%	Yes	Yes			D. Kim, SK Telecom
1997	R4	Rel-5	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

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2494	R4	Rel-5	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
2493	R4	Rel-5	No	FS on mitigating the effect of CPICH interference at the UE	RInImp-CPICH_Intf	TSG	Mon 19/03/01	Fri 08/03/02	100%	No	No			Shimon Moshavi, Intel
1839	T1		No	Conformance Test Spec. improvements in Radio Interface			Mon 18/02/02	Fri 30/08/02	0%	No	No			
2210	T1	Rel-5	No	Testing improvement of inter-frequency and inter-system measurement			Mon 18/02/02	Fri 30/08/02	0%	No	No		start/finish dates set...	
2211	T1	Rel-5	No	Testing Hybrid ARQ II/III			Mon 18/02/02	Fri 30/08/02	0%	No	No		start/finish dates set...	
500009	RP	NA	Yes	Rel-5 RAN improvements	RANimp	TSG	Fri 16/03/01	Mon 01/03/04	87%	No	No			
656	R3	Rel-5	No	RRM optimization for Iur and Iub	RANimp-RRMopt	TSG	Fri 16/03/01	Tue 04/06/02	100%	Yes	Yes			Gert-Jan van Lieshout, Ericsson
2488	R3	Rel-5	No	RL Timing Adjustment	RANimp-RLTA	TSG	Fri 16/03/01	Fri 29/03/02	100%	No	No			Elena Voltolina, Ericsson
2489	R3	Rel-5	No	Separation of resource reservation and radio link activation	RANimp-SepRR	TSG	Fri 16/03/01	Fri 29/03/02	100%	No	No			Gert-Jan van Lieshout, Ericsson
23003	R3	Rel-5	No	FS SRNS Relocation Procedure Enhancement	RANimp-SRNS	TSG	Fri 15/06/01	Tue 03/09/02	100%	No	No			Olivier Guyot, Nokia
2490	R3	Rel-5	No	FS Improvement of Radio Resource Management across RNS and RNS/PSS	RANimp-ImpRRM	TSG	Fri 16/03/01	Fri 21/12/01	100%	No	No		FS was closed and WI was introduced at RAN #14	Antti Toskala, Nokia
2491	R3	Rel-5	No	Re-arrangements of Iub transport bearers	RANimp-TTPS	TSG	Fri 16/03/01	Fri 29/03/02	100%	No	No			Antti Toskala, Nokia
22000	R2	Rel-5	No	RAB support enhancement for Rel-5	RANimp-RABSE5	TSG	Mon 02/04/01	Fri 28/06/02	100%	No	No		RFC 3095 context relocation	Juha Mikola, Nokia
21001	R1	Rel-5	No	Beamforming requirements for UE	RANimp-BFR-UE	TSG	Fri 21/09/01	Fri 14/12/01	100%	No	No			Jussi Kähtävä, Nokia
21002	R1	Rel-5	No	Support of Site Selection Diversity Transmission in UTRAN	RANimp-SSDT	TSG	Fri 14/12/01	Tue 04/06/02	100%	No	No		RP-020356	NEC
2472	R1	Rel-5	No	Node B Synchronisation for 1.28 Mcps TDD	RANimp-NBSLCR	TSG	Fri 16/03/01	Fri 29/03/02	100%	No	No			Jinling HU, CWTS/CATT
2102	T1		No	Conformance Test Aspects - RAN Improvements			Tue 01/01/02	Mon 01/03/04	0%	No	No	0%		
41010	T1	Rel-5	No	General changes to TS34.121 and TS34.122 corresponding to release 5	RANimp-test	TSG	Mon 03/03/03	Mon 01/03/04	0%	No	No	34.108, 34.121, 34.122		
23004	R3	Rel-5	No	UTRAN Sharing in Connected Mode	NETSHARE		Mon 03/12/01	Tue 03/09/02	100%	No	No		Formerly 'Shared Network support in connected mode', renamed at RAN #16.	Martin Israelsson, Ericsson

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1273	S1	NA	No	Provisioning of IP-based multimedia services	IMS	TSG	Mon 03/01/00	Wed 03/03/04	92%	No	No		S1 WI proposed S1-000290...	Mark Cataldo, Openwave
1274	S2	Rel-5	No	Call control and roaming to support IMS in UMTS	IMS-CCR	TSG	Mon 03/01/00	Fri 14/06/02	98%	No	No			Liz Daniel, Lucent
1298	S3	Rel-5	No	Access Security for IMS	IMS-ASEC	TSG	Mon 08/10/01	Fri 28/06/02	100%	Yes	No		TS33.203 will be presented for info at SA#14 and is scheduled for approval at SA#15. Dependencies on IETF exist. Approved SA#15	Krister Boman, Ericsson
2574	S3	Rel-5	No	Security Aspects of Requirement for Network Configuration Independence	SEC1-NCI	TSG	Mon 02/07/01	Fri 28/12/01	100%	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.Editors notes removed SA#16&17	Hugh Shieh, AT&T Wireless Services
1299	S3	Rel-5	Yes	Lawful interception	IMS-LI	TSG	Mon 04/09/00	Fri 29/03/02	100%	No	Yes		Rel-5 33.106 and 33.107 approved at SA#12.Revised WID including new Rel-5 specification (33.108) scheduled for approval at SA#14. 33.108 approved SA#16. CR at SA#17	Berthold Wilhelm, Reg TP
35007	S5	Rel-5	No	Charging and OAM&P for IMS	IMS-OAM	TSG	Mon 25/12/00	Wed 12/06/02	100%	No	No	32-series		Albert YUHAN (VoiceStream Wireless), Michael TRUSS (Motorola)
2036	S4	Rel-5	No	Multimedia codecs and protocols for conversational PS services	IMS-CODEC	TSG	Wed 26/07/00	Fri 27/09/02	100%	No	No	26.235, 26.236		B. Aronson, Toshiba, and P. Ojala, Nokia
34020	S4	Rel-5	No	Transport protocols	IMS-CODEC		Tue 12/03/02	Tue 12/03/02	100%	No	No	26.236		P. Ojala, Nokia
32003	S2	Rel-5	No	SIP message compression			Mon 24/09/01	Fri 07/06/02	100%	No	No			
10001	NP	Rel-5	No	Stage 3 description of IMS interfaces			Wed 14/03/01	Fri 30/08/02	98%	No	No			
1310	N5	Rel-5	Yes	Support of VHE/OSA by entities and protocols of the IMS (e.g. CSCF)	IMS-ONOSA	TSG	Fri 21/09/01	Fri 07/06/02	100%	Yes	Yes	29.198, 29.998		Ard-Jan MOERDIJK (Ericsson)
12000	N2	Rel-5	Yes	CAMEL control of IMS services	IMS-CAMEL		Mon 16/04/01	Fri 06/09/02	91%	Yes	Yes		SA16: Part of Rel5 only if Si completed in September 02	Angelica Remoquillo, Lucent
35005	S5	Rel-5	No	Charging	OAM-CH	TSG	Mon 06/08/01	Thu 12/09/02	100%	No	No	32.2xy	Changed Rapp email	Karl-Heinz NENNER (T-Mobile)
35006	S5	Rel-5	No	Charging management for IMS (off-line & on-line)	OAM-CH	TSG	Mon 19/11/01	Thu 12/09/02	100%	No	No			
10002	NP	Rel-5	No	Other IETF depencies			Fri 24/11/00	Fri 07/06/02	70%	No	No		Was introduced at SA#13 by Ileana Leuca (exact position in the WP and related WG have to be defined)	

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1913	MLST	Rel-5	No	Start Testing			Mon 18/03/02	Mon 18/03/02	0%	No	No			
41004	T1	Rel-5	No	Testing of support for IMS - prose		TSG	Wed 18/09/02	Tue 30/09/03	0%	No	No	34.108, 34.123		Dan Fox, Anritsu
41005	T1	Rel-5	No	Testing of support for IMS - TTCN		TSG	Wed 18/09/02	Wed 03/03/04	0%	No	No	34.108, 34.123		Dan Fox, Anritsu
34001	S4	Rel-5	No	Extended Transparent End-to-End PS Streaming Service	PSS-E	TSG	Thu 03/01/02	Mon 17/03/03	86%	No	No	26.233, 26.234		O. Franceschi, Ericsson
501637	S1	NA	Yes	Rel-5 OSA enhancements	OSA1	TSG	Tue 11/07/00	Fri 14/06/02	95%	No	No	22.127, 23.127, 29.198-x, 29.998-x		Jörg Swetina, SIEMENS AG
1429	S2	Rel-5	No	OSA APIs for Multimedia Call Control	OSA1-CSCF	TSG	Tue 11/07/00	Fri 07/06/02	100%	No	No		For Rel5 even if completed by March	
15003	N5	Rel-5	No	Generic user interaction - Stage 3		TSG	Tue 11/09/01	Fri 07/06/02	100%	No	No	29.198-05		
15004	N5	Rel-5	No	Charging - Stage 3		TSG	Tue 11/09/01	Fri 07/06/02	100%	No	No	29.198-12		
15007	N5	Rel-5	No	"Call Control Service Mapping; Multiparty Call Control SIP - Stage 3"		TSG	Tue 11/09/01	Fri 07/06/02	100%	No	No	29.998-04-4		
15999	N5	Rel-5	No	WSDL APIs for SOAP/HTTP - Stage 3		TSG	Mon 11/09/00	Fri 07/06/02	100%	No	No	29.198, 29.998		
1419	S3	Rel-5	No	OSA security	OSA1-SEC	TSG	Tue 11/07/00	Fri 14/06/02	92%	Yes	Yes		CR to correct security specifications in 29.198 scheduled for approval at CN#15	Colin Blanchard, BT
401424	S2	Rel-5	No	Interactions OSA - e-commerce	OSA1-ECOM	TSG	Tue 11/07/00	Fri 07/06/02	96%	No	No			
15005	N5	Rel-5	No	Policy Management - Stage 3		TSG	Tue 11/09/01	Fri 07/06/02	100%	No	No	29.198-13		
15006	N5	Rel-5	No	Presence and Availability Management (PAM) - Stage 3		TSG	Tue 11/09/01	Fri 07/06/02	100%	No	No	29.198-14		
1786	S1	Rel-5	No	CHECK STATUS - LCS - OSA interfaces	OSA1-LCSI	TSG	Mon 11/09/00	Fri 07/06/02	99%	No	No		az: CN#13 - changed to Rel5	Jörg Swetina, SIEMENS AG
1638	S1	Rel-5	No	CAMEL phase 4	CAMEL4	WG	Mon 17/04/00	Fri 06/09/02	99%	No	No			Keijo Palviainen, Nokia
2464	T2	Rel-5	No	Rel-5 MExE enhancements	MEXE5	TSG	Mon 26/03/01	Fri 08/03/02	100%	Yes	Yes			
1625	S4	Rel-5	No	Wideband Telephony Service - AMR	AMRWB	TSG	Sat 01/01/00	Fri 19/12/03	83%	No	No			Imre Varga, Siemens AG
62	S4		No	Specification			Sat 01/01/00	Thu 12/09/02	99%	No	No			
67	S4		No	Codec issues			Mon 03/01/00	Thu 12/09/02	99%	No	No			

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
34012	S5	Rel-5	No	Billing, accounting and call detail record aspects			Thu 27/09/01	Thu 12/09/02	100%	No	No	32.2xy		Karl-Heinz NENNER (T-Mobile)
1826	T2	NA	Yes	Terminal interfaces	TI		Mon 14/05/01	Wed 20/03/02	100%	No	No			
2573	T2	Rel-5	No	Terminal local model enhancements	TLM5	TSG	Mon 14/05/01	Wed 20/03/02	100%	No	Yes	23.227		
1536	S2	Rel-5	No	Rel-5 Location Services enhancements	LCS1	TSG	Mon 03/04/00	Fri 27/06/03	80%	No	No			Jan Kall, Nokia
1600	RP	NA	No	UE positioning	LCS1-UEpos	TSG	Mon 15/01/01	Fri 29/03/02	99%	Yes	Yes			
2474	R2	Rel-5	No	UE positioning enhancements for 1.28 Mcps TDD	LCS-128Pos	TSG	Mon 09/04/01	Fri 29/03/02	100%	No	No			Xiaohua Mei, CATT
2125	R2	Rel-5	No	Open SMLC-SRNC Interface within the UTRAN to support A-GPS Positioning	LCS-INTF	TSG	Mon 15/01/01	Fri 12/10/01	100%	No	No		Finished at RAN#13	Kirk Burroughs, Qualcomm
1171	S1	Rel-5	No	Event based and Periodic LCS	LCS1-EBP		Mon 22/05/00	Fri 07/06/02	88%	No	No			
2436	GP	Rel-5	No	Location Services for GERAN in A/Gb Mode	LCS-GERAN	TSG	Mon 03/04/00	Fri 08/02/02	100%	No	No			
2442	GP	Rel-5	No	Location Services for GERAN in Iu Mode		TSG	Mon 03/04/00	Fri 28/06/02	100%	No	No			
2434	GP	Rel-5	No	LCS interoperability aspects to GERAN	LCS-GERAN	TSG	Mon 28/08/00	Fri 28/06/02	100%	No	No			
35008	S5	Rel-5	No	Charging and OAM&P for LCS enhancements	LCS1-OAM	TSG	Fri 21/09/01	Fri 28/06/02	100%	No	No	32-series		Albert YUHAN (VoiceStream Wireless), Michael TRUSS (Motorola)
521	S3	Rel-5	No	New security aspects of LCS (not identified)	LCS1-SEC		Fri 14/04/00	Fri 28/12/01	100%	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
32011	S2	Rel-5	No	Specification for the Le Interface	LCS1-Le	TSG	Mon 14/01/02	Fri 15/03/02	100%	No	No			
501571	S3	NA	No	Rel-5 Security enhancements	SEC1	TSG	Mon 21/02/00	Fri 28/06/02	99%	No	No		Added BB UE authentication and rapporteur added. TO BE DELETED	Peter Howard, Vodafone
1576	S3	Rel-5	No	Network domain security	SEC1-NDS	TSG	Mon 21/02/00	Fri 28/06/02	99%	Yes	Yes		S3#17: All due in Rel5. (WI Update at S3#18). Replaced by NDS-IP and NDS-MAP. TO BE DELETED OR MOVED TO HISTORY FILE	Geir M. Køien, Telenor
2243	S2	Rel-5	No	Intra Domain Connection of RAN Nodes to Multiple CN Nodes	IUFLEX	TSG	Mon 02/10/00	Fri 28/06/02	100%	No	No	23.236	No clear indication on the end date. Put to Rel5 by AS.	Stephen Terrill, Ericsson

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
50067	GP	Rel-5	No	GERAN work for Intra Domain Connection of RAN Nodes to Multiple CN Nodes	IDCRAN-GERAN		Fri 08/02/02	Fri 28/06/02	100%	No	No		Accept changes Gb over IP	Ingemar Backlund, Ericsson
2320	GP	Rel-5	No	GERAN improvements 3 (new transport layer on interface A)	GEIMP3	TSG	Fri 06/04/01	Fri 20/12/02	0%	No	No		TERMINATED - NOT STANDARDIZED	
501142	S5	NA	No	Rel-5 Charging and OAM&P	OAM	TSG	Mon 10/09/01	Thu 12/09/02	100%	No	No	32-series		Albert YUHAN (VoiceStream Wireless), Michael TRUSS (Motorola)
35002	S5	Rel-5	No	Rel5 Principles, high level Requirements and Architecture	OAM-AR/PR	TSG	Mon 17/09/01	Fri 28/06/02	100%	Yes	Yes	32.101, 32.102		Michael TRUSS (Motorola)
35003	S5	Rel-5	No	Rel5 Performance Management	OAM-PM	TSG	Mon 17/09/01	Thu 12/09/02	100%	No	No	32.4xy, 52.402		Christian TOCHE (Nortel Networks)
35004	S5	Rel-5	No	Rel5 Charging Management	OAM-CH	TSG	Mon 10/09/01	Thu 12/09/02	100%	No	No	32.2xy		Karl-Heinz NENNER (T-Mobile)
35001	S5	Rel-5	No	Rel5 Network Infrastructure Management	OAM-NIM	TSG	Fri 21/09/01	Thu 12/09/02	100%	No	No	32.6xy, 32.3xy		Thomas TOVINGER (Ericsson)
2392	GP	Rel-5	No	GERAN enhancements for streaming services 1 (RLC enhancements)			Mon 06/11/00	Fri 28/06/02	100%	No	No			
2396	GP	Rel-5	No	GERAN enhancements for streaming services 2 (usage of ECSD)			Mon 06/11/00	Fri 28/06/02	99%	No	No		AWS, Nokia, Ericsson, Nortel, Siemens, Motorola, Vodafone	Frank Muller, Ericsson
2412	"GP;R3"	Rel-5	No	GERAN/UTRAN interface evolution 1 (evolution of Iu PS)	GERUEV1		Fri 01/09/00	Fri 28/06/02	100%	No	No		SBC, Motorola, Nokia, Ericsson, Nortel	Marc Grant , SBC
2416	"GP;R3"	Rel-5	No	GERAN/UTRAN interface evolution 2 (evolution of Iu CS)	GERUEV2		Fri 01/09/00	Fri 28/06/02	100%	No	No			
2556	S2	Rel-5	No	End to End QoS for PS Domain including IMS	E2EQoS	TSG	Mon 28/08/00	Fri 28/06/02	97%	No	No			Johnson Oyama, Ericsson
2559	S5	Rel-5	No	QoS Management (Provisioning and Monitoring)	E2EQoS-OAM	TSG	Fri 21/09/01	Fri 28/06/02	100%	No	No	32-series		Albert YUHAN (VoiceStream Wireless), Michael TRUSS (Motorola)
2569	T2	Rel-5	No	Messaging enhancements Rel-5	MESS5	TSG	Fri 15/06/01	Mon 31/03/03	91%	No	Yes		support of UAProf, so this in my opinion is 100% complete	
2571	T2		No	Multimedia Messaging (MMS) enhancements	MESS5-MMS	TSG	Fri 15/06/01	Mon 31/03/03	89%	No	Yes			Josef Laumen, Siemens
31000	S1	Rel-5	No	Definition of service requirements	MESS5-SR		Fri 15/06/01	Fri 15/03/02	90%	No	No	22.140		Josef Laumen, Siemens
50001	GP	Rel-5	No	GERAN Inter BSC NACC improvements over the Gb Interface	GERNACC		Mon 03/09/01	Fri 28/06/02	100%	No	No			
50033	GP	Rel-5	No	Enhanced Power Control	EPC		Mon 26/11/01	Fri 19/12/03	0%	No	No			

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
50037	GP	Rel-5	No	8PSK AMR HR	8PSK-AH		Mon 10/12/01	Fri 19/12/03	73%	No	No		Completed for Rel-5	
13000	N3	Rel-5	No	Service Change and UDI Fallback	SCUDIF	WG	Mon 08/10/01	Fri 07/06/02	100%	No	No	29.007, 27.001, 24.008	[DAB - 15/11/02] - NOTE INTERWORKING ISSUES IDENTIFIED THAT NEED CLARIFICATION	Rune Werner Wiik, Ericsson AS
501800	T3	NA	No	Rel-5 USIM toolkit enhancements	USAT1		Mon 05/06/00	Fri 26/09/03	51%	No	No			
1801	T3	Rel-5	No	Protocol Standardisation of a SIM Toolkit Interpreter	USAT1-Interpr	TSG	Mon 05/06/00	Wed 22/01/03	64%	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
30001	Generic	Rel-5	No	small Technical Enhancements and Improvements for Rel5	TEI5	TSG	Mon 25/12/00	Fri 22/03/02	100%	Yes	Yes		"""Joker"" WI, to be used for a Rel 5 CR not related to any feature and with very limited impact on the system"	
31013	S1	Rel-5	No	Technical Report on UE Functionality Split	UESPLIT	TSG	Mon 03/01/00	Mon 01/05/00	0%	No	No			Sanjay Gupta, Motorola
2520	S5	NA	No	User Equipment Management	UEM	TSG	Thu 21/06/01	Fri 28/06/02	99%	No	No		az: Rel-5->NA (to cover also Rel-6)	John Mudge (Vodafone)
35000	S5	Rel-5	No	FS on User Equipment (UE) Management	OAM-UEM	TSG	Thu 21/06/01	Fri 28/06/02	100%	No	No	32.802		John Mudge (Vodafone)
50101	GP	Rel-5	No	Flow control supporting an MS with multiple data flows with different QoS over the Gb interface	FlowCon	TSG	Mon 24/06/02	Fri 30/08/02	100%	No	No			Ingemar Backlund, Ericsson
50058	GP	Rel-5	No	Multiple TBF in A/Gb mode	MULTBF	TSG	Fri 19/04/02	Fri 28/11/03	17%	No	No			Gunnar Mildh, Ericsson
2345	GP	Rel-5	No	Alignment of 3G functional split and Iu	GER3GAL	TSG	Thu 08/06/00	Fri 19/12/03	85%	No	No		AWS, Nokia, Ericsson, Nortel, Siemens, Vodafone	Frank Muller, Ericsson
2330	GP	Rel-5	No	GERAN support for IMS	GERIMS	TSG	Mon 01/05/00	Fri 20/12/02	59%	No	No		AWS, Nokia, Ericsson, Nortel, Siemens, Motorola	Shkumbin Hamiti, Nokia

Annex I: Current content of Release 6, extracted from the Project Plan - version 03/03/28

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1216	RP	NA	Yes	Improvements of Radio Interface	RInImp	TSG	Mon 14/08/00	Fri 12/03/04	40%	No	No			
1470	R1	Rel-6	No	Improvement of inter-frequency and inter-system measurement	RInImp-IfIsM	TSG	Mon 01/01/01	Fri 06/06/03	5%	Yes	Yes		RP-020389	Nokia (Antti Toskala)
24004	R4	Rel-6	No	Base station classification	RInImp-BSClass	TSG	Mon 14/08/00	Wed 04/12/02	100%	No	No			
1476	R4	Rel-6	No	FDD Base station classification	RInImp-BSClass-FDD	TSG	Mon 14/08/00	Wed 04/12/02	100%	Yes	Yes			A. Toskala, Nokia
24009	R4	Rel-6	No	DS-CDMA introduction in the 800 MHz band	RInImp-UMTS800	TSG	Fri 14/03/03	Fri 19/09/03	0%	No	No			Takehiro Nakamura, NTT DoCoMo
24010	R4	Rel-6	No	UMTS 1.7/2.1 GHz	RInImp-UMTS1721	TSG	Fri 14/03/03	Fri 12/12/03	0%	No	No			Jussi Numminen, Nokia
24003	R4	Rel-6	No	FS for the viable deployment of UTRA in additional and diverse spectrum arrangements	RInImp-UMTSBands	TSG	Fri 08/03/02	Fri 06/09/02	100%	No	No			Peter Ståhlfjäll, Ericsson
24005	R4	Rel-6	No	FS on UE antenna efficiency test methods performance requirements (2)	RInImp-UEAnTM2	TSG	Fri 08/03/02	Fri 06/09/02	100%	No	No		The RInImp-UEAnTM FS was re-opened at TSG RAN#15 upon request from WG4	Alf Ahlström, Allgon
1506	R1	Rel-6	No	FS on Radio link performance enhancements	RInImp-Rlperf	TSG	Mon 14/08/00	Fri 19/09/03	40%	Yes	Yes		RP-020358	Antti Toskala, Nokia Networks
24001	R4	Rel-6	No	FS on UTRA WideBand Distribution Systems	RInImp-WDS	TSG	Mon 12/03/01	Fri 19/09/03	40%	No	No			Andrea Casini, Tekmar Sistemi
21000	R1	Rel-6	No	FS on Improvement of inter-frequency and inter-system measurements for 1.28 Mcps TDD	RInImp-IfIsMLCR	TSG	Fri 14/12/01	Fri 19/09/03	55%	No	No		RP-020374	Li Xiao Qiang, SAMSUNG
21003	R1	Rel-6	No	FS for the analysis of OFDM for UTRAN enhancements	RInImp-FSOFDM	TSG	Mon 10/06/02	Fri 05/12/03	30%	No	No			Sarah Boumendil, Nortel
21004	R1	Rel-6	No	FS on Uplink Enhancements for Dedicated Transport Channels	RInImp-FSUpDTrCh	TSG	Fri 06/09/02	Fri 05/12/03	35%	No	No			Karri Ranta-aho, Nokia
21005	R1	Rel-6	No	FS on Analysis on Higher Chip Rates for UTRA TDD evolutions	RInImp-FSVHCRTDD	TSG	Fri 06/09/02	Fri 05/12/03	30%	No	No			Tim Wilkinson, IPWireless
24011	R4	Rel-6	No	FS on Low Output Powers for general purpose FDD BSs	RInImp-FSLOP	TSG	Fri 14/03/03	Fri 19/09/03	0%	No	No			Jose Alberto Martin, Telefonica
2468	R1	Rel-6	No	Multiple Input Multiple Output antennas (MIMO)	RInImp-MIMO	TSG	Fri 08/03/02	Fri 19/03/04	16%	No	No			Howard Huang, Lucent

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
21006	R1	Rel-6	No	Multiple Input Multiple Output antennas - Physical layer	RInImp-MIMO-Phys	TSG	Fri 14/03/03	Fri 19/09/03	40%	No	No			Howard Huang, Lucent
22003	R2	Rel-6	No	Multiple Input Multiple Output antennas - Layer 2,3 aspects	RInImp-MIMO-L23	TSG	Fri 14/03/03	Fri 19/09/03	0%	No	No			Howard Huang, Lucent
23008	R3	Rel-6	No	Multiple Input Multiple Output antennas - Iub/Iur Protocol Aspects	RInImp-MIMO-IurIub	TSG	Fri 14/03/03	Fri 19/09/03	0%	No	No			Howard Huang, Lucent
24008	R4	Rel-6	No	Multiple Input Multiple Output antennas - RF Radio Transmission/Reception, System Performance Requirements and Conformance Testing	RInImp-MIMO-RF	TSG	Fri 14/03/03	Fri 19/03/04	0%	No	No			Howard Huang, Lucent
24006	R4	Rel-6	No	Improving Receiver Performance Requirements for the FDD UE	RInImp-UERecPerf	TSG	Fri 08/03/02	Fri 19/09/03	29%	No	No			Shimon Moshavi, Intel
9	RP	NA	Yes	RAN improvements	RANimp	TSG	Fri 14/12/01	Fri 05/12/03	28%	No	No			
20999	R1	Rel-6	No	Beamforming Enhancements	RANimp-BFE	TSG	Fri 14/12/01	Fri 06/06/03	50%	No	No		RP-020357	Jussi Kähtävä, Nokia
624	R2	Rel-6	No	RAB support enhancement	RANimp-RABSE	TSG	Fri 14/03/03	Fri 19/09/03	0%	Yes	Yes		This is a building block without particular end date	M. Israelsson, A. Krishnarajah, Ericsson
23009	R3	Rel-6	No	Iu enhancements for IMS support in RAN	RANimp-RABSE-IuEnhIMS	TSG	Fri 14/03/03	Fri 19/09/03	0%	No	No			Phillipe Godin, Nortel
23005	R3	Rel-6	No	Improvement of RRM across RNS and RNS/BSS	RANimp-RRM1	TSG	Mon 25/03/02	Fri 05/12/03	35%	No	No			Sami Kekki, Nokia
23006	R3	Rel-6	No	FS on the evolution of the UTRAN architecture	RANimp-FSEvo	TSG	Mon 09/09/02	Fri 06/06/03	5%	No	No			Woonhee Hwang, Nokia
22001	R2	Rel-6	No	FS for the Early Mobile Handling in UTRAN	RANimp-FSEarlyUE	TSG	Mon 09/09/02	Fri 06/06/03	65%	No	No			Alan Law, Vodafone Ltd
23012	R3	Rel-6	No	Rel6 RRM optimization for Iur and Iub	RANimp-RRMopt	TSG	Fri 06/12/02	Fri 06/06/03	15%	No	Yes			Gert-Jan van Lieshout, Ericsson
23007	R3	Rel-6	No	FS of the improved access to UE measurement data for CRNC to support TDD RRM	RANimp-RRMopt-FSTDDRRM	TSG	Fri 06/12/02	Fri 06/06/03	15%	No	No			Jim Miller, Interdigital
23010	R3	Rel-6	No	Remote Control of Electrical Tilting Antennas	RANimp-TiltAnt	TSG	Fri 14/03/03	Fri 05/12/03	0%	No	No			Andreas Hauser, Vodafone
23011	R3	Rel-6	No	Network Assisted Cell Change (NACC) from UTRAN to GERAN - network-side aspects	RANimp-NACC	TSG	Fri 14/03/03	Fri 19/09/03	0%	No	No			Brendan McWilliams, Vodafone

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
32045	S2	Rel-6	No	PS domain and IMS impacts for supporting IMS Emergency calls	EMC1	TSG	Mon 14/08/00	Thu 18/09/03	11%	No	No			Miikka Poikselka, Nokia
1653	N1	Rel-6	No	Emergency Call Enhancements for IP& PS Based Calls – stage 3			Mon 14/08/00	Tue 09/09/03	9%	Yes	Yes			Mr Rouzbeh, Ericsson
32023	S2	Rel-6	No	Location Services enhancements 2	LCS2	TSG	Mon 28/08/00	Fri 21/11/03	37%	No	No			
20001	RP	Rel-6	No	UE positionning	LCS2-UEpos	TSG	Mon 28/08/00	Fri 26/09/03	48%	No	No			
2475	R2	Rel-6	No	Open SMLC-SRNC Interface within the UTRAN to support UTRAN Rel4 positioning methods	LCS-Rel4Pos	TSG	Mon 15/01/01	Fri 06/06/03	90%	No	No			Meik Kottkamp, Siemens
50541	GP	Rel-6	No	Uplink TDOA location determination for GSM/GPRS	UTDOA	TSG	Fri 15/11/02	Fri 21/11/03	4%	No	No		Ongoing	Gross/Robinson, TruePosition, Inc.
50542	GP	Rel-6	No	Addition of U-TDOA in the CS domain	UTDOA-CS		Fri 15/11/02	Fri 27/06/03	10%	No	No			
50543	GP	Rel-6	No	Addition of U-TDOA in the PS domain	UTDOA-PS		Fri 15/11/02	Fri 21/11/03	0%	No	No			
1571	S3	NA	No	Security enhancements	SEC1	TSG	Wed 03/01/01	Fri 14/03/03	27%	No	No		Added BB UE authentication and rapporteur added.	Peter Howard, Vodafone
2026	S3	Rel-6	No	Enhanced HE control of security (including positive authentication reporting)			Wed 03/01/01	Fri 14/03/03	27%	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
33006	S3	Rel-6	No	Network domain security	SEC1-NDS	TSG	Mon 17/06/02	Fri 14/03/03	80%	No	Yes		WID approved for Rel-6 at SA#17	Geir M. Køien, Telenor
33007	S3	Rel-6	No	IP network layer security (NDS/IP)	SEC1-NDS-IP	WG	Mon 17/06/02	Fri 14/03/03	80%	No	No	TS 33.210	Should be complete after SA3#27	
32021	S1	Rel-6	No	IMS Phase 2	IMS2		Mon 03/01/00	Thu 18/12/03	40%	No	No		Not yet available: verbally approved at SA15, actual WID to be provided at SA16 by Lucent	
32015	S2	Rel-6	No	Radio optimisation impacts on PS domain architecture		TSG	Mon 10/12/01	Fri 19/09/03	63%	No	No			
11032	N1	Rel-6	No	"Interoperability and Commonality between IMS using different ""IP-connectivity Networks"""	IMSCOOP		Mon 16/09/02	Tue 09/09/03	28%	No	No			Keith Drage, Lucent
1365	S1	Rel-6	No	Support of Push Services	PUSH	TSG	Wed 03/01/01	Fri 26/12/03	71%	Yes	Yes		AS: Changed from FS to actual support of Push	Yoshinori Kitada, NTT Comware
42009	T2	Rel-6	No	Multimedia Messaging (MMS) enhancements	MMS6	TSG	Thu 15/08/02	Wed 10/03/04	8%	No	Yes			Josef Laumen, Siemens

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
42005	T2	Rel-6	No	Rel-6 MExE enhancements	MEXE6	TSG	Fri 08/03/02	Fri 06/06/03	100%	No	Yes			
2062	S5	Rel-6	No	Subscription Management	SM	TSG	Fri 29/12/00	Thu 25/09/03	30%	No	Yes	32.140, 32.141		Michael Eder (Nokia)
2499	S1	Rel-6	No	Support of Presence Capability	PRESNC	TSG	Mon 19/03/01	Fri 18/07/03	77%	No	No		"A Sultan merged ""Presence Service Enhancements"" (UID31028, PRES1) to this feature as no answer was provided on why Presence and Presence Encmts had same target completion date"	Mark Cataldo, Motorola
50063	GP	Rel-6	No	Flexible Layer One for GERAN	FLOGER		Mon 03/01/00	Fri 27/06/03	31%	No	No		Nokia, Ericsson, Siemens, Telia	Benoist Sébire
50041	GP	Rel-6	No	Uplink TDOA feasibility study	TDOAF		Fri 30/11/01	Fri 28/06/02	100%	No	No	45.811		Bob Gross, TruePosition, Inc.
2544	S1	Rel-6	No	Multimedia Broadcast and Multicast Service	MBMS		Fri 11/05/01	Fri 19/09/03	19%	No	No		Title renamed at SA#13	
50085	GP	Rel-6	No	Support of MBMS in GERAN	MBMS-GERAN	TSG	Fri 30/08/02	Fri 27/06/03	3%	No	No			
31006	S1	Rel-6	No	Speech Recognition and Speech Enabled Services	SRSES	TSG	Mon 03/01/00	Fri 26/09/03	21%	No	No			
31008	S1	Rel-6	No	Generic User Profile	GUP	TSG	Mon 08/10/01	Fri 12/12/03	34%	No	No			
31010	S1	Rel-6	No	Digital Rights Management	DRM	TSG	Mon 08/10/01	Fri 21/03/03	35%	No	No		Foreseen start and completion dates introduced by MCC (no indication at all on the WID)	
31012	S1	Rel-6	No	FS on WLAN-UMTS Interworking	WLAN	TSG	Mon 03/01/00	Fri 12/12/03	71%	No	No			Fredric Paint, Telenor
31015	S1	Rel-6	No	Priority Service	PRIOR		Thu 30/05/02	Fri 26/09/03	49%	No	No			
31018	S1	Rel-6	No	Network Sharing	NTShar		Mon 20/01/03	Fri 19/12/03	45%	No	No			
32016	S2	NA	Yes	QoS Improvements	QoS1	TSG	Mon 15/07/02	Fri 20/06/03	63%	No	No			
32017	S2	Rel-6	No	FS on Dynamic Policy control enhancements for end-to-end QoS	QoS1	TSG	Mon 15/07/02	Fri 20/06/03	63%	No	No			
33002	S3	Rel-6	No	Support for subscriber certificates	SEC1-SC	TSG	Mon 25/02/02	Thu 14/11/02	49%	No	No	33.102	Approved at SA#14. This may require BBs from CN1, CN4, SA5 and T3	Valtteri Niemi, Nokia
15010	S1	Rel-6	No	Rel-6 OSA enhancements	OSA3	TSG	Tue 11/07/00	Fri 19/12/03	34%	No	No	22.127, 29.198, 29.998	Changed CN5 WID	Chelo ABARCA (Alcatel)
32033	S2	Rel-6	No	Handling of early UEs	LATE_UE	WG	Mon 07/10/02	Fri 27/06/03	46%	No	No			
50401	GP	Rel-6	No	Addition of frequency bands to GSM	TAPS		Fri 28/06/02	Fri 19/12/03	6%	No	No			Torben Themsen

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
50094	G1	Rel-6	No	Addition of frequency bands to GSM – Changes to core specs	TAPS-Specs	TSG	Fri 15/11/02	Fri 20/12/02	100%	No	No		Ready	Torben Themsen
50130	GP	Rel-6	No	Seamless support of streaming services in A/Gb mode	SSStrea		Mon 03/01/00	Fri 19/12/03	56%	No	No			José Luis Carrizo Martínez, Vodafone
34300	S4	Rel-6	No	Performance characterisation of default codecs for PS conversational multimedia application	CODCAR	TSG	Fri 13/09/02	Fri 26/09/03	20%	No	No	TR 26.9yz		Pasi Ojala (Nokia)
31029	S1	Rel-6	No	Study of Feature Interactions Requirements	FINTER		Fri 08/11/02	Mon 03/03/03	20%	No	No	TR 21.xyz		
31030	S1	Rel-6	No	Study on Privacy Capability	PrivCap		Fri 08/11/02	Mon 03/03/03	15%	No	No	TR 21.xyz		Liz Daniel, Lucent
35010	S5	Rel-6	No	Rel-6 OAM&P	OAM	TSG	Wed 12/06/02	Thu 18/03/04	22%	No	No	32-series	TSG approval 09/03->03/04	Michael TRUSS (Motorola)
35016	S5	Rel-6	No	Charging Management	CH	TSG	Thu 21/11/02	Thu 18/03/04	10%	No	No	32.2xy	TSG approval 09/03->03/04. Changed WID	Karl-Heinz NENNER (T-Mobile)
1800	T3	NA	Yes	Rel-6 UICC/USIM enhancements and interworking	USAT1		Mon 25/09/00	Wed 17/09/03	58%	No	No			
43004	T3	NA	No	Rel-6 USIM toolkit enhancements			Mon 25/09/00	Fri 27/09/02	80%	No	No			
502031	T3	Rel-6	No	C SIM API	USAT1-API-MULTOS	TSG	Mon 25/09/00	Fri 27/09/02	80%	Yes	Yes			
34022	S4	Rel-6	No	Packet Switched Streaming Services Rel-6	PSSrel6	WG	Mon 18/11/02	Fri 19/12/03	28%	No	No			Olle Franceschi (Ericsson)
33017	S3	Rel-6	No	"Network Domain Security; Authentication Framework (NDS/AF)"	SEC1-NDS-AF	TSG	Fri 15/02/02	Fri 19/12/03	10%	No	No		WID approved SA#19. Work started after FS approved SA#18	Tommi Viitanen, Nokia
34023	S4	Rel-6	No	AMR-WB extension for high audio quality	AMRWB+	WG	Fri 13/12/02	Fri 26/09/03	12%	No	No			Janne Vainio (Nokia)
51101	"GP;G1"	Rel-6	No	Single Antenna Receiver Interference Cancellation (SAIC)	SAIC	TSG	Fri 15/11/02	Fri 26/09/03	0%	No	No		Ongoing	Marc Grant, Cingular Wireless
50500	GP	Rel-6	No	Support of Conversational Services in A/Gb mode via the PS domain	SCSAGB	TSG	Fri 07/02/03	Fri 30/04/04	0%	No	No			David Bladsjö, Ericsson
12006	S1	Rel-6	No	Enhancement of dialled service for CAMEL	EDCAMEL		Fri 28/03/03	Fri 19/09/03	0%	No	No			Craig Bishop, Samsung Electronics Research Institute
12007	N2	Rel-6	No	Stages 2 and 3			Fri 28/03/03	Fri 19/09/03	0%	No	No			

Annex J: Work Items Currently marked as "Release Independent" in the Project Plan - version 03/03/28

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1861	T1	NA	Yes	Miscelleneous UE Conformance Testing Activities	MISTST1		Mon 02/04/01	Wed 01/12/04	50%	No	No			
1862	T1	Rel Indep	No	Optimisation of Test Time, RF Aspects (FDD)	MISTST1-OpFDD	TSG	Mon 24/09/01	Wed 03/09/03	70%	No	No	34.121	It is believed that the current R99 test spec. can be optimised for faster overall test times	
1863	T1	Rel Indep	No	Optimisation of Test Time, RF Aspects (TDD)	MISTST1-OpTDD	TSG	Mon 24/09/01	Wed 03/09/03	70%	No	No	34.122	It is believed that the current R99 test spec. can be optimised for faster overall test times	
401216	RP	NA	Yes	Rel-4 Improvements of Radio Interface	RInImp	TSG	Mon 10/07/00	Fri 14/03/03	83%	No	No			
1996	R4	Rel indep	No	UMTS 1800	RInImp-UMTS18	TSG	Mon 25/09/00	Fri 14/12/01	100%	Yes	Yes			H. Benn, Motorola
2467	R4	Rel indep	No	UMTS 1900	RInImp-UMTS19	TSG	Mon 19/03/01	Fri 14/12/01	100%	No	No			Howard Benn, Motorola
401839	T1		No	Conformance Test Spec. Rel-4 improvements in Radio Interface			Mon 08/10/01	Fri 14/03/03	64%	No	No			
2215	T1	Rel indep	No	Testing UMTS 1800		TSG	Mon 08/10/01	Fri 14/06/02	100%	No	No	34.108, 34,121, 34.122, 34.123-1	finish date set	
41000	T1	Rel indep	No	Testing UMTS 1900		TSG	Mon 08/10/01	Fri 14/06/02	100%	No	No	34.108, 34,121, 34.122, 34.123-1	finish date set	
2561	T1	Rel indep	No	Testing UMTS 1800 - TTCN		TSG	Mon 17/06/02	Fri 14/03/03	100%	No	No	34.123-3	finish date set	
41001	T1	Rel indep	No	Testing UMTS 1900 - TTCN		TSG	Mon 17/06/02	Fri 14/03/03	100%	No	No	34.123-3	finish date set	
1517	S2	Rel Indep	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