Technical Specification Group Services and System Aspects **TSGS#19(03)0002**

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

Technical Specification Group Services and System Aspects

Meeting #18, New Orleans, USA, 9-12 December 2002

Source: **Secretary TSG SA**

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Draft Report

Contents

1 Opening of the meeting

The TSG SA Vice Chairman, Mr. Gary Jones, opened the meeting and welcomed delegates to New Orleans on behalf of the hosts, *North American Friends of 3GPP*.

2 Approval of the Agenda

TD SP-020630 Draft Agenda for TSG SA meeting #18. The TSG SA Chairman, Mr. Niels Peter Skov Andersen introduced the draft Agenda which was approved.

The TSG SA Chairman reminded delegates of their responsibilities under the 3GPP IPR agreement.

3 Approval of the meeting report of TSG SA Meeting #17

TD SP-020631 Draft Report of TSG SA meeting #17. The draft report was reviewed and approved.

4 Items for immediate consideration

There were no specific contributions under this agenda item.

5 Reports from TSG SA ad-hoc meetings and workshops

There were no specific contributions under this agenda item. The Future Evolution Workshop meeting report was dealt with under agenda item 9.

6 Letters / Reports from other groups

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

TD SP-020679 Coding of Maximum Offset and Included Angle. This contribution was introduced by the TSG SA Chairman. The document was provided for information and was noted.

6.2 Partners and their bodies

TD SP-020638 Liaison Statement (from GSMA-SerG) regarding Push specification work within 3GPP. This was introduced by the TSG SA Chairman. The document was provided for information and was noted.

TD SP-020640 Letter informing MCC of the Mobile Wireless Internet Forum (MWIF) dissolving as an organization and hence no longer being a 3GPP MRP. This was introduced by the TSG SA Chairman. The document was provided for information and was noted.

TD SP-020678 Liaison statement about new Wireless LAN Interworking Group (WIG). This was introduced by the TSG SA Chairman and provided information on the Work and contacts of the WIG. The LS was noted, and WGs were asked to consider the work of WIG in their WLAN-related work. **The head of MCC agreed to take the request for Liaison Status with WIG to be agreed by the PCG.**

6.3 Others

TD SP-020641 LS from OMA DOWNLOAD drafting committee: Completion of DRM specifications. This was introduced by the TSG SA Chairman. There was some concern raised over the work of OMA with regards to work which should be performed in 3GPP. It was decided to note this contribution and consider TD SP-020758 and TD SP-020759 for further discussion on the relationship between the work of the two groups.

TD SP-020758 Cooperation on technical development. This was provided by the OMA Technical Plenary and informed TSG SA that the following OMA documents will be made available on the OMA website:

- draft and approved specifications
- requirements
- Work Group documents (e.g. reports, etc.)
- release plans and interoperability test plans.

This means that members of other Fora can follow the progress of technical specifications as they develop in OMA.

It was reported that some input documents would be made available to 3GPP members, if the input author had indicated that they were willing to make the document publicly available.

This initiative was welcomed by TSG SA and the document was noted.

TD SP-020759 Response to Liaison on Digital Rights Management. This contribution informed TSG SA that the OMA document access and timescales for DRM were dealt with in other LSs to TSG SA and OMA looked forward to a good relationship with 3GPP in their work area. It was agreed that the Stage 2 and

Stage 3 work should not be continued in 3GPP, and the Stage 1 should include references to OMA DRM specifications where the Stage 2 and Stage 3 can be found. It was also recognised that the experts in 3GPP and OMA on these issues were generally the same people, which should allow for harmonisation of the requirements in the two groups.

In summary, it was concluded and agreed that the DRM Stage 2 and Stage 3 work will not be done in 3GPP, but pointers will be inserted in the Stage 1 specification. SA WG1 were asked to ensure that the relevant references to OMA work are identified and included in their requirements document, which will be kept until such a time as it was considered necessary to review this or cease maintenance of the 3GPP Stage 1.

TD SP-020632 TV161 - Liaison Statement to 3GPP. This was introduced by the TSG SA Chairman. The TV-Anytime forum informed TSG SA that it would like to exchange requirements and specifications, and to collaborate with our counterpart at 3GPP to harmonize the specifications and that the TVAF Metadata group has adopted a portable user profile based on the MPEG-7 UserPreference DS. This was noted and the SA WG1 Chairman agreed to respond to the Liaison informally with an extract of the agreement reached at TSG SA on the DRM work in OMA (from TD SP-020759 discussion above).

TD SP-020635 Liaison (from ITU-T SG16) to multiple SDOs requesting input for “Media Coding Summary Database” project. This was introduced by the TSG SA Chairman and it was noted that SA WG4 should consider this and provide input to ITU-T SG 16.

TD SP-020636 LS (from ITU-T SG16) on New Video Coding Standard H.264/AVC. This was introduced by the TSG SA Chairman and was noted. SA WG4 were asked to consider the Video Coding standard further in their meeting and provide input to ITU-T SG 16 if required.

TD SP-020637 LS from ITU-T SG16: New Question on Use of Public Telecommunication Services for Emergency and Disaster Relief Operations. This was introduced by the TSG SA Chairman. It was reported that a Workshop on this issue had been arranged for February 17-19 2003 in Geneva. It was also reported that this had been considered in SA WG1 and is being dealt with in SA WG1. The LS was then noted.

TD SP-020803 Provision of ITU-T SSG Vision Recommendation to 3GPP Evolution Ad Hoc Meeting. This was introduced by the Future Evolution Workshop Convenor. The LS was noted and the Future Evolution Workshop Convenor was asked to provide a copy of the report of the FEW to the ITU-T Vision group.

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-020791 Status report of SA1 to SA #18. The report of the activities in SA WG1 were presented by the SA WG1 Chairman using the Presentation slides provided in TD SP-020645.

The SA WG1 Chairman reported that he will not stand for re-election in January 2003 due to other commitments.

Questions:

Slide 17: SA needs to consider whether WLAN is a 3GPP access network. The involvement of SA WG1 and SA WG2 were subject to a LS and was discussed under agenda item 7.1.2.

Slide 17: Further work needed on WLAN. It was clarified that SA WG1 needs to consider the issues further and contribution was invited to their meetings.

Slide 9: Push. The Push SWG was closed following completion of the Stage 1 work in SA WG1. It was recognised that there are some further issues which could be considered.

Slide 14: QoS - Operator determined barring of peak rates. This was reported in order to allow companies to discuss and provide contribution on the subject at the WG meetings.

Slide 21: SMS over GPRS: It was agreed that class A and Class B GPRS mobiles should attempt to send SMS over GPRS and fall-back to CS if GPRS fails. The TSG CN Chairman stated that this requirement could be acceptable for Release 6. It was also reported that CN uses Cause Code 69 ("*not supported*") for Release 5, but nothing is specified for pre-Release 5 networks. It was agreed that the simple SA WG1 requirement should be implemented by TSG CN.

The SA WG1 Chairman thanked all SA WG1 delegates for their hard work in SA WG1 and in particular M. Clayton, MCC support for the good running of the group.

The SA WG1 Chairman was thanked for his hard work in Chairing SA WG1 and wished good fortune in his new commitments.

7.1.2 Questions for advice from TSG SA WG1

TD SP-020639 (LS from SA WG1) Requirement to allow access to IMS by means of SIM. This was introduced by the TSG SA Chairman. Related CRs to these discussions were provided in TD SP-020650. SA WG3 had also considered the impact of this and concluded that the security was no better or worse than for other SIM usage. SA WG3 had provided a CR on this in TD SP-020718. This LS was provided to inform TSG SA that the issues were under evaluation and the LS was noted. A related LS from SA WG2 was provided in TD SP-020765 which was considered at this time (see agenda item 7.2.2 below). It was generally agreed that the impacts on the whole system needed to be considered before agreeing CRs for Release 5 on this issue.

A response LS from SA WG3 was provided in TD SP-020811 which was dealt with under agenda item 7.3.2.

TSG SA noted that this study was ongoing and the consequences of this proposal of SIM access to IMS services on the complete system were requested as soon as possible.

TD SP-020644 LS from SA WG1: Agreed matrices of ME/SIM ME/USIM combinations for MMS service and Releases. This was introduced by the SA WG1 Chairman

There was a discussion on the requirements and interpretation for clarification. It was concluded as follows:

Assuming the ME supports SIM/USIM: When a Rel-4 SIM or a Rel-4 or later USIM is inserted in a Rel-5 or later ME, the ME shall support the use of the card-resident MMS parameters as a default. When a SIM or a USIM with the MMS parameters is inserted in a Rel-4 ME it is optional for the ME to use these parameters.

NOTE: This decision does not impact the MEs general requirements for support of SIM and/or USIM.

TD SP-020676 LS from SA WG1: New WID description for “Study of subscriber and operators relationship in IMS and related ISIM requirements for Rel-6” and draft of the TR. This was introduced by the SA WG1 Chairman and was provided for information. Additional requirements for this work was assumed to be dealt with in SA WG2. The attachment was missing in the ZIP file so it was re-issued in TD SP-020813 and was noted.

TD SP-020762 LS from SA WG1: Interworking between 3GPP systems and Wireless LANs. This was introduced by the SA WG1 Chairman and asks TSG SA to confirm that the SA WG1 assumption that WLAN is not a 3GPP access technology is correct. There was some discussion on access independence issues. It was agreed that the registration occurs at the CN. Therefore the assumption of SA WG1 was endorsed.

TD SP-020763 LS (from SA WG1) on Enhanced Dialled Services. This was introduced by the SA WG1 Chairman. SA WG1 discussed this in their meeting but were unable to come to a consensus at their meeting. SA WG1 therefore raised the issue at TSG SA for decision on adding Enhanced Dialled Services to CAMEL for Rel-6. The TSG CN Chairman reported that this had been discussed in TSG CN and thought it feasible in the Rel-6 timeframe. There was some concern on including this in CAMEL Phase 4 and suggestion of including it in a "enhanced" CAMEL Phase 4 for Rel-6. **It was concluded that the work should proceed in SA WG1**.

7.1.3 Approval of contributions from TSG SA WG1

TD SP-020647 Release 99/4/5/6 CRs to 22.038 on USAT requirements (deletion and re-introduction). There was a concern raised over the title of the CRs which remove unimplemented requirements from the Stage 1 specification, whereas some requirements are added in, e.g. Release 1999. It was decided that the CRs should be reviewed off-line in order to verify that there are no misalignments with Stages 2 and 3. It was reported later in the meeting that it was felt that this should be returned for further analysis by SA WG1 and they should forward the reviewed and updated CRs to T WG3 for checking.

TD SP-020648 Release 4 CR to 22.135 on Corrections to terminology. This CR was approved.

TD SP-020649 Release 4/5 CRs to 22.140 on Storage of configuration information on the (U)SIM. These CRs were revised in TD SP-020814 which were reviewed. The Rel-4 CR (CR018) needed further modification to re-instate "by default" (first set of changes). CR019 was approved and CR018 was revised in TD SP-020843 and approved.

TD SP-020650 Release 5/6 CRs to 22.101 on SIM access to IMS Rel-5/6. After discussion on this issue, it was agreed to postpone the CRs until the full package for the changes are agreed in the relevant groups (Expected for next TSG meetings).

TD SP-020651 Release 5/6 CRs to 22.101 on Support of SIM and USIM in REL-5/6. These CRs were approved.

TD SP-020652 Release 5 CR to 22.127 on Event notification mechanism to inform applications about new SCS. This CR was approved.

TD SP-020653 Release 5 CRs to 22.078 on various subjects. These CRs were approved.

TD SP-020654 Release 6 CR to 21.905 on definitions and abbreviations. This CR was approved **as a Category F CR**.

TD SP-020655 Release 6 CR to 22.066 on IMS number portability. This CR was approved.

TD SP-020656 Release 6 CR to 22.067 for Priority Service. This CR was approved.

TD SP-020657 Release 6 CRs to 22.071 on LCS. These CRs were approved.

TD SP-020658 Release 6 CRs to 22.101 on Number portability and emergency calls. These CRs were approved.

TD SP-020659 Release 6 CRs to 22.127 on OSA (Various subjects). Concerns on the impact of CR061 on architecture were raised by Ericsson (and later supported by Nokia) and time for SA WG2 to consider this was requested. The SA WG1 Chairman stated that (for Rel-6) the requirements could be studied by other groups after approval in SA WG1, and removed if not acceptable. There was support for this requirement at the meeting and these CRs were approved. **SA WG2 were asked to look into the implications and feasibility of implementation of this requirement at their next meeting and provide feedback to SA WG1 and TSG SA**.

TD SP-020660 Release 6 CRs to 22.140 on Multimedia Messaging (Various subjects). For CR020 - It was commented that there is a need for clarification of what "priority" is. The SA WG1 Chairman explained that Prioritisation was defined elsewhere in the specification and the requirement was only for the ability for the user to request prioritisation of the MMS messages, not the protocols, delivery and related charging issues. It was commented that Priority has not yet been fully dealt with in Stages 2 and 3. CR020 was then approved. For CR021 - It was questioned why this third party service entity is a part of the 3GPP specification set. It was explained that the operator needs to have requirements in order to be able to charge towards a third party instead of the sender or recipient. CR021 and CR022 were then approved. For CR023 a contribution on concerns was provided in TD SP-020807 "*Clarification of MMS notification handling and differentiated roaming behaviour*" which was introduced by T-mobile. It was proposed that the CR is approved at this meeting and the mechanism refined based upon the contribution for update via CRs to the next TSG SA meeting. DRM issues were also considered in need of further discussion in SA WG1. CR023 was therefore **not approved** and **SA WG1 were asked to consider the issues raised in TD SP-020807** in order to revise and agree CR023.

TD SP-020661 Release 6 CRs to 22.174 on PUSH (Various subjects). These CRs were approved.

TD SP-020662 Release 6 CRs to 22.233 on Streaming (Various subjects). These CRs were approved.

TD SP-020663 Release 6 CR on TS 22.243 on Codecs used for speech recognition framework. It was reported that there were two objecting companies to this CR in SA WG1 and that SA WG4 have not commented on this CR. After some discussion it was agreed to return this CR to SA WG1 for further discussion and clarification of the changes. The CR was **not approved**.

TD SP-020664 Release 6 CR to TS 22.243 on Removal of references. This CR was approved.

TD SP-020665 Release 6 CRs to 22.934 on Wireless LAN (Various subjects). The use of "APN" in these CRs was debated, it was clarified that this was the APN of the 3GPP system. It became clearer that there was confusion over the full meaning of WLAN Access in relation to 3GPP. It was clarified that only scenario 3 includes "services via the APN" and this is not the case for scenario 2. The SA WG2 chairman confirmed that SA WG2 are aligned with this. These CRs were approved.

TD SP-020666 Release 6 CRs to 21.905 and 22.101 to introduce WLAN requirements. These CRs were approved.

TD SP-020667 Release 6 CRs to 22.950 on Priority service feasibility study (Various subjects). These CRs were approved.

TD SP-020668 TR 22.951 version 2.0.0 on Network Sharing for Approval. This TR was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-020669 TS 22.250, Version 2.0.0 on IMS group management capability for Approval. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-020670 TR 22.940, Version 2.0.0 on IMS Messaging for Approval. This TR was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-020671 TS 22.340, Version 2.0.0 on IMS Messaging; Stage 1 for Information and Approval. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-020672 Updated GUP Work Item Description. It was noted that the title of TR 32.802 is incorrect and should be updated. This WI description was updated in TD SP-020816 and was approved.

TD SP-020673 New WID description for “Study of subscriber and operators relationship in IMS and related ISIM requirements for Reel 6”. It was noted that this was an update from the version seen at SA meeting# 17. This WI description was approved.

7.2 TSG SA WG2

7.2.1 Report from TSG SA WG2 and review of progress

TD SP-020767 SA WG2 status report to TSG SA#18. The report of the activities in SA WG2 were presented by the SA WG2 Chairman.

Questions:

MBMS: It was reported that the version of 23.846 (MBMS) which was approved at TSG SA#17 had been mis-implemented and many pages were missing from version 6.0.0. SA WG2 had not provided a CR to this meeting and the SA WG2 Secretary was asked to provide a CR to correct this specification by the end of the meeting. The CR would be in the form of a complete new version of the specification, rather than by revision marks of the missing parts. This was provided in TD SP-020840 which was approved.

Slide 21: The WLAN work priorities agreed by SA WG2 - The SA WG1 Chairman asked that any change to priorities on the WLAN requirements are discussed between the groups.

Slide 9: The TSG RAN Chairman reported that the Maximum Offset issue had been checked and no problems found in the RAN specifications.

7.2.2 Questions for advice from TSG SA WG2

TD SP-020634 LS (from SA WG2) on proposed TR for the architectural aspects of early UE handling. This was introduced by the SA WG2 Chairman and reported that SA WG2 are working on an internal TR on UE handling. The LS was copied to TSG SA for information and was noted.

TD SP-020764 LS (from SA WG2) on Early UE handling. This was introduced by the SA WG2 Chairman and invited the addressed groups to study their draft internal TR on early UE handling. This LS was noted.

TD SP-020765 LS from SA WG2: Requirement to Allow Access to IMS by means of SIM in 3G UEs. This was introduced by the SA WG2 Chairman during the discussion on SIM access to IMS under agenda item 7.1.2. This was provided to TSG SA for information, and SA WG1 and SA WG3 were asked to investigate the impacts on Release 5.

TD SP-020766 LS from SA WG2: Response to “Response to IETF LS on Interoperability Issues and SIP in IMS”. This was introduced by the SA WG2 Chairman and asks the relevant groups to take into account the inputs in the LS for the proposed way forward. This was noted and would be taken into account under agenda item 8.1 for SIP alignment.

7.2.3 Approval of contributions from TSG SA WG2

CRs:

TD SP-020768 CRs to 03.60 and 23.060 (GPRS/PS domain stage 2). It was clarified that the presentation table and CR417 should be CR417**r1** and Category "**F**" (The CRs themselves were correct). These CRs were approved.

TD SP-020769 CRs to 03.71, 23.171 and 23.271 (LCS Stage 2). In order to check the Privacy issues it was agreed to postpone decision on CR138r3. This was returned to later in the meeting and the editors note (note 2) was considered not needed. **SA WG2 were asked to clean up this specification for the next TSG SA meeting**. The CR was then approved.

The remaining CRs were approved. It was noted that the order of implementation of these CRs was critical as some CRs changed text already changed by other CRs. It was requested that the agreed CRs are revised to include all overlapping changes in future. (**For these CRs they need to be implemented in order of ascending CR number**). Note: All CRs in TD SP-020769 were approved.

TD SP-020770 CRs to 23.002 (Network Architecture). It was noted that the "display revision marks" had been switched off in some CRs (Word files) and consequently did not show in the PDF files. CRs 108 and 115 were incorrectly marked as Category "F" CRs and should have been Category "A" CRs, reflecting corresponding changes in the Rel-4 CRs. The document was re-provided in TD SP-020827 to show the

revisions clearly in the CRs, which were approved.

TD SP-020771 CRs to 23.032 (LCS Geographic shapes). These CRs were approved.

TD SP-020772 CRs to 23.107 (QoS). These CRs were approved.

TD SP-020773 CRs to 23.141 (Presence). These CRs were approved.

TD SP-020774 CRs to 23.207 (End to end QoS). CRs 044, 050 and 052 were merged in TD SP-020819 and were withdrawn from this package (see below). The remaining CRs were approved.

TD SP-020819 Complementary document to SP-020774 (CR 044rev = 3 merged CRs 044, 050, and 052 to 23.207). These CRs were approved. **SA WG2 were asked to clean up the editors notes in this document for the next TSG SA meeting.**

TD SP-020775 CRs to 23. 221 (Architecture Requirements). These CRs were approved.

TD SP-020776 CRs to 23.228 (IMS Stage 2). It was noted that there were 2 extra files in the ZIP file which were not intended for approval (CR204r1, and CR217r1 were old versions of CRs). The CRs given in the Cover table list were intended for approval. CR225 was objected to as the change from "perform" to "invoke" was considered incorrect. CR225 was postponed in order to discuss off-line. The remaining CRs were approved (including CR204r4 and CR217r5). **It was also noted that CR217r5 was a Rel-6 CR** (incorrectly stated on CR list). CR225 was revised in TD SP-020828 which was approved.

TD SP-020777 CRs on 23.127. These CRs were approved.

TD SP-020675 Proposed CR to 23.228: Handling of SDP manipulation issue in stage-2 specifications. This was discussed in SA WG2 but no agreement to present it to TSG SA could be reached. The group of proposing companies (Dynamicsoft, Ericsson, Nokia, Vodafone group, AT&T Wireless, Telia, THREE) therefore presented this to TSG SA for approval. Orange France had provided a contribution in TD SP-020810 discussing some issues with this solution and asked for this to be considered. It was agreed to provide a LS on this which was provided in TD SP-020839 and presented by the TSG CN Chairman. The LS was approved under the condition that the CR in TD SP-020838 (revision of CR in TD SP-020675) was also approved (Note: The CR was also approved, see below).

TD SP-020838 Revised proposed CR to 23.228: Handling of SDP manipulation issue in stage-2 specifications. This was introduced by the TSG CN Chairman and the changes from the version provided in TD SP-020675 were explained. This CR was approved.

WIDs:

TD SP-020793 WID: Push Services. It was clarified that a new TR on Push Services was considered necessary as the previous TR was a feasibility study, which would be used as a basis for this Stage 2 TR. It was also reported that the full technical architecture solution and impacts on other specifications was still under study. It was also reported that SA WG2 had discussed and considered that OMA work will be relevant to this work, and SA WG2 need to study the work split between the two bodies. This WI description was approved. SA WG2 were asked to consider section 5 and to remove the reference to OMA in a future update of the WID.

TD SP-020794 WID: Policy-based control of Diffserv Edge Functions. This WI description was approved. SA WG1 and SA WG2 were asked to discuss and agree the requirements for this work (at their forthcoming co-located meeting).

TD SP-020795 WID: Early UE handling in the 3GPP system. This WI description was approved. An updated version including a change to scope to remove the ambiguity or mis-interpretation allowing untested UEs on the market.

TD SP-020796 WID: Overall Architectural Aspects of IP-Flow-based bearer level charging. This WI description was approved. SA WG2 were asked to add a link to the SA WG1 Charging work for update at next TSG SA meeting.

TSs/TRs:

TD SP-020797 TR 23.895 v1.0.0: Provision of UE-specific behaviour information to Network Entities. There was some concern that the Scope of the document implied that untested UE may be placed in circulation and SA WG2 were asked to review and revise the Scope to remove this ambiguity in order to prevent misunderstandings. This TR was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

Other contributions:

TD SP-020810 SIP 488 message vs SDP editing. This was noted as it was covered by the discussions of

TD SP-020675.

TD SP-020815 Information about the Liberty Alliance Project. This was provided by Nokia, Siemens and Vodafone to inform 3GPP SA about the Liberty Alliance Project and its activities regarding an open, interoperable standard for federated network identity. It was proposed that a Liaison relationship is established with the Liberty Alliance in order to avoid duplication of work in the two bodies. It was agreed that SA WG1 and SA WG2 should investigate the work being done by the Liberty Alliance and report back on areas that impact 3GPP. It was decided that a Liaison relationship should be set up **if considered necessary after the analysis**. It was also considered that if required, then a single focus point for the Liaison should be formed in 3GPP and SA WG1 seemed the most logical place for this.

7.3 TSG SA WG3

7.3.1 Report from TSG SA WG3 and review of progress

TD SP-020697 Status report from SA WG3 to TSG SA#18. The report of the activities in SA WG3 were presented by the SA WG3 Secretary in the absence of the SA WG3 Chairman.

It was noted that the end of the SA WG3 Chairman's term of office was due for election in February/March 2003. The SA WG3 Secretary reported that the Chairmanship issue had not yet been discussed in SA WG3.

The use of "Pseudo-CRs" in SA WG3 was questioned. The SA WG3 Secretary explained that this mechanism was used within SA WG3 for draft documents (i.e. documents which had not yet been placed under Change Control) in order to ease the discussion of changes made and update of agreed changes by the editors in a controlled way.

Slide 15: It was asked whether the SA WG3 Chairman had progressed in the arrangements for a Workshop between SA WG3, OMA, OASIS and W3C experts. The status of this was not known.

SA WG3 requested that TSG SA approve the modification of FIGS specification numbering, in a similar way as was done for the IST specifications. SA WG3 proposed the following:

- withdraw 02.31 and 03.31 R99.
- create technically identical 22.031 and 23.031 R99.
- withdraw 42.031 and 43.031 Rel-4.
- create technically identical 22.031 and 23.031 Rel-4.
- create Rel-5 clones of the Rel-4 specs.

This re-numbering was approved by TSG SA. The SA WG3 Secretary was asked to perform the necessary updates to documents after the meeting.

The SA WG3 Secretary was thanked for presenting the report and documents for approval and the report was noted.

TD SP-020698 Reports of SA WG3 meetings #25 and #26. The reports of the SA WG3 meetings held since TSG SA meeting #17 were provided for information and were noted.

7.3.2 Questions for advice from TSG SA WG3

TD SP-020811 LS (from SA WG3) on Requirement to allow access to IMS by means of SIM. This was in line with agreements made in this meeting and was noted. (A related CR was provided in TD S3-020718).

TD SP-020699 LS (from SA WG3 on request from SA3 LI) on change to LI subscription. This was presented by the SA WG3 Secretary and the requirements for this by the SA WG3-LI Group were explained by the SA WG3-LI Group Chairman. It was agreed that the TSG SA should take no action on this item in order to keep the openness of the 3GPP document site. TSG SA Chairman will present the proposal to the PCG.

TD SP-020812 LS (from SA WG3): Introduction of a second UMTS encryption and integrity protection algorithm (UEA2 and UIA2). This was introduced by the SA WG3 Secretary and informed TSG SA of the advantages of producing a back-up algorithm to allow fast deployment in case of a need to change the current algorithm some time in the future. It was emphasised that SA WG3 did not have any fears for the current algorithms, but given the deployment time for algorithms, a back-up solution would be a good security measure. The funding of the development and evaluation work was requested, but no figures were provided, so TSG SA could not take the proposal for funding to the 3GPP Partners for approval. Whether there would be a date for mandatory inclusion of this in terminals was also questioned. SA WG3 had not discussed this issue and the intention was therefore not known. The principle of creating a backup algorithm was agreed. **SA WG3 were asked to provide figures for the expected funding costs and to inform TSG SA whether a mandatory implementation date for the new algorithms was intended, and if so,**

the expected timing for this.

TD SP-020642 Liaison statement (from SA WG3) on Interoperability Issues and SIP in IMS. This was introduced by the SA WG3 Secretary and provided a reply to LSs received from TSG SA and CN WG1. SA WG3 agreed with the conclusions drawn by CN WG1. The LS was provided to TSG SA for information and was noted.

7.3.3 Approval of contributions from TSG SA WG3

TD SP-020700 1 CR to 33.102 (Rel-5): USIM support in GERAN only terminals. This CR was approved.

TD SP-020790 3 CRs to 33.102 (R99, Rel-4 and Rel-5): Correction to the START formula. These CRs were approved.

TD SP-020702 1 CR to 33.107 (Rel-5): Event Time. This CR was approved.

TD SP-020703 1 CR to 33.107 (Rel-5): Incorrect implementation of the Serving System reporting. This CR was approved.

TD SP-020704 2 CRs to 33.107 and 33.108 (Rel-5): Essential correction to the LI events generated during inter-SGSN RAU, when PDP context is active. These CRs were approved.

TD SP-020705 1 CR to 33.108 (Rel-5): Essential corrections to the Annex C.1 (ULIC). This CR was approved.

TD SP-020706 1 CR to 33.108 (Rel-5): Missing PDP Context Modification event. This CR was approved.

TD SP-020707 1 CR to 33.108 (Rel-6): Aggregation of IRI Records. This CR was approved.

TD SP-020708 1 CR to 33.108 (Rel-5): Changes to TS 33.108 for U.S. LI Requirements. The inclusion of National Specific requirements in a Normative Annex were questioned. This was considered necessary to ensure that National variations are not produced to the 3GPP specification set. Other groups were asked to ensure that these requirements are taken into account in their specifications to ensure all members can implement them according to their regulations. This CR was approved.

TD SP-020709 1 CR to 33.200 (Rel-5): Removal of Automatic Key Management from Release 5. This CR was approved as a Category "**F**" CR as this is considered as alignment with the requirements in the Release and as such an essential correction.

TD SP-020710 1 CR to 33.203 (Rel-5): Correction of IP address acquisition in P-CSCF. This CR was approved.

TD SP-020711 1 CR to 33.203 (Rel-5): Sending error response when P-CSCF receives unacceptable proposal. This CR was approved.

TD SP-020712 1 CR to 33.203 (Rel-5): The use of SAs in user authentication failures. This CR was approved.

TD SP-020713 1 CR to 33.203 (Rel-5): Clean up one Editor's note in 33.203. This CR was approved.

TD SP-020714 1 CR to 33.203 (Rel-5): Re-use and re-transmission of RAND and AUTN. This CR was approved.

TD SP-020715 1 CR to 33.203 (Rel-5): Update of SIP Security Agreement Syntax in Appendix H. This CR was approved.

TD SP-020716 1 CR to 33.203 (Rel-5): Registration and SA lifetimes. This CR was approved.

TD SP-020717 1 CR to 33.203 (Rel-5): Open issues in SA handling. This CR was approved. Impact on CN WG1 specifications should be dealt with by CN WG1 at their next meeting. **The SA WG3 Secretary undertook to check whether a CR had been sent to CN WG1 and inform the CN WG1 Secretary**. (It was later confirmed that an LS had been approved at SA WG3 meeting #26 in TD S3-020702).

TD SP-020718 1 CR to 33.203 (Rel-5): Allowing IMS access with SIM cards. (Dependant on agreements at SA on SIM access to IMS). It was decided to postpone this CR until the full package is produced from all involved 3GPP groups. SA WG3 were asked to update this according to the latest version of the specification and take additional comments into account for presentation to the next TSG SA meeting. It was clarified that the principles of this were agreed and only an update to the wording (and possible base version) would be needed in SA WG3. (TD SP-020650 CRs from SA WG1 were also postponed for this reason).

TD SP-020719 1 CR to 33.210 (Rel-5): Adding requirement to provide mandatory support for 3DES encryption in NDS/IP.Remove AES references and dependencies. This CR was approved.

TD SP-020720 1 CR to 33.210 (Rel-6): Securing UTRAN/GERAN IP Transport interfaces and specifically the

Iu interface with NDS/IP mechanisms. This CR was approved.

TD SP-020721 4 CRs to 55.216, 55.217, 55.218 and 55.919 (Rel-6): EGPRS algorithm. These CRs were approved. It was clarified that the availability of the algorithms on the 3GPP FTP site was expected by the end of December 2002.

NOTE: These documents were made available on the 3GPP FTP site on 18 December 2003.

TD SP-020760 1 CR to 33.203 (Rel-5): TCP and UDP share the same SA (Security Association). This CR was approved.

TD SP-020761 1 CR to 33.203 (Rel-5): Indication in the UE that the SA is no longer active in P-CSCF. This CR was approved.

WIDs:

TD SP-020722 WID: Lawful Interception in the 3GPP Rel-6 architecture. This WI description was approved. The timescales needed updating as they referred to the approval dates of the Rel-5 specifications, so **SA WG3 (SA WG3-LI) were asked to provide an updated WID for the next TSG SA meeting**.

TD SP-020820 WID: GERAN A/Gb mode security enhancements. This WI description was approved. The timescales needed update (marked as 2002 instead of 2003 in error) and **SA WG3 were asked to provide an updated WID for the next TSG SA meeting**.

TSs and TRs:

TD SP-020723 Presentation of TR 33.810 (NDS/AF; Feasibility study to support NDS/IP evolution) version 2.0.0 to TSG SA for approval (Release 6). This TR was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-020724 Presentation of TS 55.205 (Specification of the GSM-MILENAGE Algorithms: An example algorithm set for the GSM Authentication and Key Generation functions A3 and A8) version 1.0.0 to TSG SA for approval (Release 6). This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6). It was clarified that this specification should be available on the 3GPP server under the same conditions as the MILENAGE specifications are available.

7.4 TSG SA WG4

7.4.1 Report from TSG SA WG4 and review of progress

TD SP-020681 TSG SA WG4 Status Report at TSG SA#18. The report of the activities in SA WG4 were presented by the SA WG4 Chairman.

Questions:

The need to submit SES Codecs candidatures by the end of 2002 was questioned. It was explained that early notice of the number of candidates was needed to be able to schedule the comparative testing, etc. The design constraints document is almost finalised and provides a good indication of what is required. A request was made to extend the deadline in order to allow the SA WG4 internal project documents to be completed.

It was agreed that the deadline specified in Slide 18 (31 December 2002) is taken as an indication that the company will provide a candidate Codec for participation in the selection. The later deadline for the provision of the candidate Codecs will be set by SA WG4.

The 34kEuro excess from the characterisation phase of the AMR wideband Codec was questioned and clarified by the SA WG4 Secretary: The money was left over from the characterisation phase and, with permission from the contributors, SA WG4 would like to use this towards funding the new PS testing work.

The need for an extension to Wideband Codec was questioned. It was explained that the MPEG4 AAC+ Codec is not finalised at the moment and will need testing. SA WG4 are targeting for good quality even at low bit-rates and the AMR-WB+ Codec may be considered a good Codec to use as a basis for the intended use. The need to choose a new candidate and the related work was questioned if the AAC+ Codec fulfils the requirements at high and low bit-rates. The SA WG4 Chairman replied that this was expected to provide a good candidate, but the full performance had not been verified and may not be the best choice. However having a single Codec to cover many applications would of course be preferable.

The timing for MBMS work was questioned, as SA WG4 were awaiting the completion of the SA WG2 MBMS work. It was clarified that some discussion had been held in SA WG4 but no detailed discussion had taken place as the SA WG2 requirements were not considered complete enough.

TFO: It was questioned whether the TrFO standard had been considered in SA WG4. The intention of the

eTFO is to capture the advantages of both the TFO and TrFO, as the TrFO has some drawbacks (e.g. not applicable when BICC signalling is not supported in all intermediate nodes, requires longer call set-up time).

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

CRs:

TD SP-020688 CR to TS 26.093 - Correction of uplink SCR operation activation for UMTS AMR (Release 5). This CR was approved.

TD SP-020689 CR to TS 26.102 - Correction of RAB parameter assignment for AMR (Release 5). This CR was approved.

TD SP-020690 CRs to TS 26.103 Corrections (Release 5). These CRs were approved.

TD SP-020691 CRs to TS 26.140 - Corrections (Release 5). These CRs were approved.

TD SP-020692 CR to TS 26.173 Correction of ambiguous expression in the AMR-WB C-Code (Release 5). This CR was approved.

TD SP-020693 CR to TS 26.174 - Correction in frame synchronisation sequence (Release 5). This CR was approved.

TD SP-020694 CRs to TS 26.234 - Corrections (Release 4 and Release 5). These CRs were approved.

TD SP-020695 CRs to TS 26.236 - Corrections (Release 5). These CRs were approved.

TD SP-020696 CRs to TS 28.062 - Corrections (Release 4 and Release 5). These CRs were approved.

WIDs:

TD SP-020684 Work Item Description on Enhanced Tandem Free Operation (Release 6). It was noted that the priority of the work between ATM transport and IP transport would be determined by contribution to SA WG4, and the second sentence of the Objective clause should be deleted. There was also a request that this should initially be a feasibility study in SA WG4 before starting the actual work on eTFO, but this was not agreed. It was also requested that SA WG2 provide a report on the system aspects and impacts of eTFO at the next TSG SA meeting. It was agreed to wait for the report from SA WG2 and the WID should be re-submitted at the next TSG SA meeting, if it is still supported, taking the SA WG2 report into account.

TD SP-020685 Work Item Description on Packet Switched Streaming Services (Release 6). This WI description was approved.

TD SP-020686 Work Item Description on AMR-WB extension for high audio quality (Release 6). There was a request that the objectives of the WID should be re-drafted by SA WG4 in order to clarify them. This WI description was approved and **SA WG4 were asked to bring an updated version with clarified objectives to the next TSG SA meeting**.

TD SP-020687 Work Item Description on Codec Work to Support Speech Recognition Framework for Automated Voice Services (Release 6). (It was noted that the WI completion date is set for presented for information at SA meeting #19and approval at TSG SA meeting #20, which appeared somewhat optimistic). This WI description was approved.

TRs/TSs:

TD SP-020683 TR 26.937 "RTP Usage Model" (Release 5) v. 1.2.0. This TR was provided for information and was noted.

TD SP-020682 3GPP TR 26.976 "AMR-WB Speech Codec Performance Characterization" (Release 5) version 2.0.0. This TR was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

7.5 TSG SA WG5

7.5.1 Report from TSG SA WG5 and review of progress

TD SP-020725 Status report of SA5 to SA #18. The report of the activities in SA WG5 were presented by the SA WG5 Chairman.

Questions:

Slide 13: The SA WG5 Chairman explained that the work in UEM was slow in SA WG5 and work was ongoing in other bodies, and there has been some progress in SynchML. A GAP analysis is targeted for

completion in June 2003 and the UEM Protocol specification for September 2003 (T WG2 1st responsibility) and the requirements specification is targeted for June 2003 (SA WG5 1st responsibility) (see WID in TD SP-020608 from TSG SA Meeting #17).

It was clarified that SA WG5 have opened the liaison relationship with OMA and sent 1 LS. No reply has yet been received. Members were asked to ensure that the issues are progressed in OMA and cooperation and communication with SA WG5 is ensured.

The SA WG5 Chairman did not think it was necessary at the moment to close the WI just because little progress has been made since the last meeting, but support is needed from Member companies both in SA WG5 and other bodies.

7.5.2 Questions for advice from TSG SA WG5

TD SP-020756 LS reply from SA5 to RAN, RAN2, RAN3 (cc: CN1, CN4, GERAN, SA, SA2) on Subscriber and Equipment Trace Impacts. The SA WG5 Chairman introduced this LS, which was provided to TSG SA for information. The LS was noted.

7.5.3 Approval of contributions from TSG SA WG5

TD SP-020726 Rel-5 CRs 32.101 (Telecommunication management; Principles and high level requirements). These CRs were approved.

TD SP-020727 2 Rel-5 CRs 32.102 (Telecommunication management; Architecture): various. These CRs were approved.

TD SP-020733 Rel-97/98/99 CRs 12.15/32.015 (PS Charging) : "Addition of SGSN's Mobile Country Code (MCC) and Mobile Network Code (MNC) on G-CDR". These CRs were approved.

TD SP-020734 4 Rel-4/5 CRs 32.205/32.215 (CS/PS Charging): "Corrections on parameter Destination Number". These CRs were approved.

TD SP-020735 2 Rel-4 CRs 32.215/32.200 (Bearer Charging): "Addition of SGSN's MNC and MCC in G-CDR ". These CRs were approved as Category "**F**". It was noted that the Rel-5 mirror CRs were not included here and will be provided for TSG SA meeting #19.

TD SP-020736 4 Rel-4/5 CR 32.205/32.215 (CS/PS Charging): "Alignment of LCS". These CRs were approved.

TD SP-020737 Rel-5 CR 32.205 (CS Charging): "Charging for Wireless Number Portability". This CR was approved. SA WG5 were asked to clarify whether the parameters were only applicable to certain geographical areas.

TD SP-020738 3 Rel-5 CRs 32.215 (PS Charging): various. These CRs were approved.

TD SP-020739 3 Rel-5 CRs 32.225 (IMS Charging): various. These CRs were approved.

TD SP-020740 2 Rel-4/5 CRs 32.200 (Service Charging): "Correction of interface descriptions". These CRs were approved.

TD SP-020741 Rel-4/5 CRs 32.200 (Service Charging): "Alignments on MMS charging CDRs plus addition in Rel-5 of the MMBox". These CRs were approved.

TD SP-020808 Rel-4/5 CR 32.205/32.235 (Service Charging): "Corrections on MMS records ASN.1 definition". These CRs were approved.

TD SP-020744 2 Rel-4/5 CR 32.612 (Bulk CM IRP Information service) : Incomplete getSessionStatus. These CRs were approved..

TD SP-020745 Rel-4 CR 32.613 (Bulk CM IRP CORBA solution set) : Removal of the Concurrency exception in getSessionLog. This CR was approved.

TD SP-020746 2 Rel-4/5 CRs 32.614 (Bulk CM IRP CMIP solution set). It was noted that the Rel-5 CR should be based on the current version, 4.2.0. These CRs were approved.

TD SP-020747 2 Rel-5 CRs 32.632/32.633 (CN Resources IRP: Network Resource Model/ CORBA solution set) : Removal of faulty attribute uraList. These CRs were approved.

TD SP-020748 Rel-5 CR 32.642 (UTRAN network resources IRP: Network Resource Model) : Inclusion of valid values and ranges for UTRAN Cell parameters. This CR was approved.

TD SP-020749 4 Rel-5 CRs 32.604/634/644/654 (CMIP SSs of Basic CM IRP/CN NRM/UTRAN NRM/GERAN NRM) : Alignment with 32.6x1/2. These CRs were approved.

TD SP-020750 Rel-5 CR 32.661 (Kernel CM requirements) : Clarification regarding optionality of notifications. This CR was approved.

TD SP-020751 6 Rel-4/5 CR 32.111-2/3/4 (Alarm IRP: Information Service/CORBA & CMIP SSs) : Add additionalInformation parameter in notification. These CRs were approved.

TD SP-020752 Rel-5 CR 32.111-3 (Alarm IRP: CORBA SS) : Add notifyPotentialFaultyAlarmList (align with 32.111-2 Alarm IRP: Information Service). This CR was approved.

TD SP-020753 Rel-5 CR 32.111-4 (Alarm IRP: CMIP SS) : Addition of Security Alarm Support (align with 32.111-2 Alarm IRP: Information Service)This CR was approved.

WIDs:

TD SP-020729 Rel-6 Feature: Charging Management. This WI description was approved. It was noted that the related Charging WIs approved at this meeting may need to be added.

TD SP-020730 Rel-6 BB (BB1): Charging management for bearer level. This WI description was approved. It was noted that the full scope of the work is dependent on the content of the Rel-6 core specifications and this may need update when the content of Rel-6 core specifications is clearer.

TD SP-020731 Rel-6 BB (BB2): Charging management for the IM Subsystem. This WI description was approved.

TD SP-020732 Rel-6 BB (BB3): Charging management for the service domain. This WI description was approved.

It was noted that the scenarios to be included in Rel-6 were subject of further discussion.

TD SP-020754 Updated Rel-6 WID BB OAM-NIM Network Infrastructure Management (32100-, 300-, 600-Series). This WI description update was approved.

TSs/TRs:

TD SP-020728 Rel-6 TS 32.140 v1.1.0 (Services operations management; Subscription management requirements). This TS was provided for information and was noted.

TD SP-020743 New Rel-5 draft v200 Rel-5 TS 32664 Kernel CM IRP CMIP SS. This TS was approved and placed under TSG SA change control **as version 5.0.0 (Rel-5)**.

TD SP-020755 Rel-6 TS 32.421 v2.0.0 (Subscriber and equipment trace: Trace concepts and requirements). This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

7.6 3GPP Work plan

TD SP-020825 3GPP Work Plan version 8 November. This was provided to the meeting for information and will be updated with the results at the TSGs #18 meetings and placed on the 3GPP FTP server. The Work Plan was noted.

TD SP-020826 3GPP Work Plan (Presentation Slides). This summary of the current content and status of the 3GPP Work Plan was presented by the 3GPP Work Plan manager, A. Sultan, MCC.

Slide 34: Third item. It was reported that there was work ongoing in TSG CN in this area.

Slide 53: It was agreed in TSG SA meeting #17 that SA WG1 would not do the DRM requirements work if the information provided by the OMA covers the requirements. At this meeting it was agreed to refer to OMA documentation for Stages 2 and 3.

Slide 54: It had been agreed at this meeting that Network Access selection will not be dealt with in 3GPP, but rather Access Network selection which is not an outstanding issue, therefore the bullet should be deleted.

Slide 54: The timescales for Scenario 4 were not thought to be able to be targeted for a completion and this should be changed to say "Scenarios 4 onwards for Post Rel-6".

Slide 61: It was noted that the SA WG3 TR on Subscriber Certificates had not been presented for information at this meeting.

Slide 63: IMS Commonality and Interoperability. SA WG1 have defined operator scenarios which can be used for this (see Slide 35).

Slide 63: It was requested that "access independence" should be removed at the next meeting as the term is no longer used.

Slide 63: IMS Commonality and Interoperability: CN WG1 WI has been agreed in TSG CN. Work in other Groups need to identify impacts.

Freezing date for Rel-6 functionality: It was considered necessary to have a firm idea of the completion of Stage 1 and Stage 2 specifications and the progress and time needed to then develop the Stage 3 specifications and finalise the details of the specification set. The need for the new Rel-6 features should also be considered in order to choose the optimum timing with respect to stability and content should be analysed from the Market viewpoint.

A target date for June 2003 was thought premature with the current progress, and the Work Plan manager undertook to provide estimates of what could be included for different deadlines (June 2003, September 2003, December 2003 and March 2004) in order to be able to make a decision on a preliminary target for Rel-6 at TSG SA meeting #19.

It was recognised that the accuracy of the estimates provided are dependent on the accuracy of the timescales provided by the WGs and specifically the Rapporteur for the individual WIs. Members were asked to ensure that accurate and complete information is provided to MCC on the Work Plan.

7.7 Review of TSG SA work programme

There were no specific contributions under this agenda item, the review of the work plan was discussed under agenda item 7.6.

7.8 Letters to other groups

The following Liaisons were approved by TSG SA for transmission:

Document	Title	Status	To:	CC:
SP-020839	Additional Release 5 work needed for Policy Control and Subscription Control of Media	Approved	SA WG1, SA WG2, SA WG3, SA WG4, CN WG1	TSG CN, CN WG4
SP-020842	Response to IETF Concerns on SIP and IMS Interoperability	Approved	IETF	TSG CN
SP-020844	Liaison statement on comments to DTR/MTS 0082	Approved	ETSI TC MTS	TSG CN, TSG RAN, T WG1

7.9 Other issues

TD SP-020789 Proposed WID: Enhancement of dialled service for CAMEL 4 Work Item Description (WID) for TSG CN. This work item was not approved in CN as an opinion on the CAMEL enhancements was requested before proceeding. TSG SA agreed that the work could start and CN WGs should analyse the WI before sending the WI to the next TSG CN Plenary for approval. The document was then noted.

TD SP-020818 WID: Enhancement of dialled service for CAMEL 4. This WI description was approved.

TD SP-020817 CR to 22.078 for support of enhanced CSE capability for Dialled Services in release 6. This CR was approved.

NOTE: The CR number indicated on this document (CR 151) was incorrect, the correct CR number is CR 153, which is reflected in the updated CR database.

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-020805 Report from TSG CN to TSG SA#18 (Presentation Slides). The report from TSG CN was provided by the TSG CN Chairman.

Questions and comments:

Slide 4: It was clarified that the Emergency Number Download was actually for Rel-5, not Rel-6 as stated in the presentation.

Slide 8:

Methodology for Network Integration Testing. This was dealt with in the Liaison in TD SP-020821 (see below).

IMS access using SIM. This was covered by agreements and discussions made at the TSG SA meeting.

Enhanced Dialled services. TSG SA endorsed the proposal to start work in this area and a WID should be provided by CN WG2.

Making Life Easier on CN and CN WGs. This should be done by good control of LS distribution in MCC and also by Members ensuring that colleagues are aware of agreed LSs when going to meetings. It is a general principle that no more Rel-5 functional changes are allowed, with agreed exceptions (e.g. SIM access to IMS).

Planned Workshop with IETF on Rel-6 requirements: The date of the workshop had not yet been determined. SA WG1 and SA WG2 were asked to provide Rel-6 requirements for this.

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

TD SP-020804 Report from TSG CN to TSG SA#18: Draft meeting report v1.0.0. This was provided for information and was noted.

TD SP-020757 IETF Status report. This was introduced by the TSG CN Chairman (and IETF co-ordination person). It was clarified that the credit control draft work will be copied into **TS 32.225** (not 33.225). The good progress in this area was noted. The status report was then noted and the TSG CN Chairman thanked for his effort in tracking the IETF draft work.

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

TD SP-020821 LS (from ETSI MTS) on Document Review of DTR/MTS0082 UMTS Network Integration Testing Methodology and TSS&TP. This was copied to TSG SA by TSG CN and was introduced by the TSG CN Chairman. TSG CN asked whether a co-ordinated response was required or whether each TSG should respond independently. TSG RAN reported that TSG RAN had reviewed the LS and had agreed to elaborate a global answer from TSGs SA, RAN & CN. However, the concern from TSG RAN were on the referencing of out-of-date specifications for the Iu. The other aspects relevant to RAN are not covered in the Technical Report. In addition, it was stressed that the new Terms of Reference of ETSI MTS do not cover 3GPP technologies. It was agreed that a co-ordinated response was preferable and a LS was provided in TD SP-020841 "Response LS to ETSI MTS on comments to DTR/MTS 0082" which was modified in TD SP-020844 which was approved.

TD SP-020633 Liaison statement (from CN WG1) on Interoperability Issues and SIP in IMS. This was provided for information and TSG CN covered this in their meeting and produced a LS to TSG SA in TD SP-020800. The LS was therefore noted.

TD SP-020799 Liaison statement (from TSG CN) on Subscribed Media. This was introduced by Orange. TSG CN asked TSG SA to set the needed requirements on Subscribed Media and to inform CN WG4 of their decision. A proposed response LS was provided by Orange in TD SP-020835.

TD SP-020835 Contribution on subscribed media (related to SP-020799). This was introduced by Orange and asks TSG SA to send the LS to CN WG4. It was considered to be a subject where the expertise is available in SA WG2 and **SA WG2 were asked to take TD SP-020799 and to provide an LS to CN WG4 at their next meeting**. The LS in TD SP-020835 was not agreed in TSG SA.

TD SP-020800 Liaison statement (from TSG CN) on Interoperability Issues and SIP in IMS. This was introduced by the TSG CN Chairman who provided the status of this in TSG CN. Several CRs were approved in TSG CN and a corresponding SA WG2 CR approved in TSG SA. TSG SA were asked the following:

1. *TSG SA is requested to initiate work to develop common policy control practices and solutions that maximise effective session establishment.*

   This was agreed by TSG SA

2. *TSG SA is requested to send a response to IETF based on the text provided in the LS with the appropriate Option A or Option B based on the TSG SA decisions.*

   It was agreed that an LS should be sent to IETF, This was provided in **TD SP-020842** which was approved.

3. *TSG SA is requested to encourage active participation by members of its working groups in a joint 3GPP-IETF workshop.*

   The workshop was tentatively planned for 27-28 January 2003 in San Francisco, when it was believed that IETF participation was likely. It was proposed that the TSG CN Chairman and an IETF representative co-chaired the workshop. It was clarified that the Rel-5 issues to be addressed were those not addressed already by the December deadline previously given. These will be items where there is no alternative technical solution, and discussion of changes to the IETF specifications or

allowance for a variation to them would be discussed. The proposal for the LS was extracted (changing the dates for the workshop and choosing Option B) and included in TD SP-020842 (see above).

The TSG CN Chairman thanked delegates for their efforts in co-operation with the IETF and all that has been achieved.

8.1.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item. The status of TSG CN work was provided in the report from the TSG CN Chairman 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-020822 Report from TSG RAN to TSG SA #18. The report from TSG RAN was provided by the TSG RAN Chairman.

There was some concern expressed by some companies in TSG RAN on the lack of time to work on issues for Release 6 in some of the Working Groups meetings. At least for Working Group 3 it was agreed to expand the duration of the joint meeting together with RAN WG2 on MBMS. As a first proposal that will be re-discussed in TSG RAN meeting #19. It was proposed that TSG RAN plenary meeting could be reduced to 3 in 2004.

Questions:

Slide 7: M.1457: It was clarified that TSG RAN work on 2 Parallel updates of this due to the yearly update of this agreed with ITU-R.

Slide 10: The second bullet (SI: "Improved Access to UE Measurement Data for CRNC to support RRM") was clarified as referring to TDD mode. It was also clarified that from the Layer 1 viewpoint FDD and TDD High chip rates were part of Release 1999. The TDD Low-chip rate option has been added.

Slide 4: Workshop for Early User Equipment: It was clarified that experts from SA and CN WGs would be welcome at this workshop. The TSG RAN Chairman will send more information to the e-mail exploder lists.

The report from TSG RAN was noted.

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

TD SP-020643 Reply LS (from RAN WG3) on proposed TR for the architectural aspects of early UE handling. This was provided to TSG SA for information and was noted.

TD SP-020801 LS (from TSG RAN) on requirement to test non transmission of newly defined IEs in RRC protocol for Early UE handling. This was provided for information and was noted. It was also noted that this LS was also intended for TSG GERAN as there is impact on their work.

8.2.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item. The status of TSG RAN work was provided in the report from the TSG RAN Chairman 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-020806 Report from TSG T to TSG SA#18. The report from TSG T was provided by the TSG T Chairman. TSG T asked TSG SA for advice on:

- UA behaviour regarding the MMS parameters on the (U)SIM
- Support of T2's UEM work is sought among TSG-SA delegates

Questions and comments:

Slide 16: There are two solutions proposed for Java API interworking and T WG3 are asking for the Operators view.

Slide 11: The participation of T WG3 delegates in the T WG2 meeting was questioned. It was explained that T WG3 delegates had been requested to attend the upcoming T WG2 meeting at TSG T meeting #17 to assist T WG2 in drafting CRs on MMS. These CRs were created as a result of the joint experts sessions.

Slide 18: As the UEM WID had not been approved at TSG T the work ongoing in T WG2 was questioned (and the request for support from TSG SA delegates for the work). The SA WG5 Chairman reminded the meeting that the SA WG5 WID had been approved at TSG SA #17 and this WID includes work to be

performed by T WG2.

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

TD SP-020802 LS (from TSG T) on MMS parameter storage on the SIM, and inter release ME behaviour. In response to the request for clarification on requirements, the decision provided at the discussion of this earlier in the meeting, under agenda item 7.1.2, was re-iterated:

> *Assuming the ME supports SIM/USIM: When a Rel-4 SIM or a Rel-4 or later USIM is inserted in a Rel-5 or higher ME, the ME shall support the use of the card resident MMS parameters as a default. When a SIM or a USIM with the MMS parameters is inserted in a Rel-4 ME it is optional for the ME to use these parameters.*

T WG2 were asked to take this into account in their work and the LS was noted.

TD SP-020677 LS (from T WG2) on MMS parameter storage on the (U)SIM, and the Stage 1 Rel-4 specifications. This was covered by earlier discussions, under agenda item 7.1.2, and was therefore noted.

TD SP-020680 LS (from T WG2) on Alignment of MMS Message Size definition. This was presented by the TSG T Secretary and was provided for information to TSG SA. The LS was noted.

8.3.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item. The status of TSG T work is included in the report in TD SP-020806.

8.4 Report from TSG GERAN

8.4.1 Report and questions for discussion from TSG GERAN

TD SP-020798 TSG GERAN Report to TSG SA#18. The report from TSG GERAN was provided by the TSG GERAN Chairman.

Questions:

Slide 18. It was clarified that GERAN have reviewed the MBMS radio requirements and sent comments to RAN WG2, SA WG2 and SA WG1. No solution for this has been found by GERAN yet and some time will be needed for analysis of this in TSG GERAN.

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 TSG GERAN work programme is included in the report in TD SP-020798.

8.4.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item. The status of TSG GERAN work is included in the report in TD SP-020798.

8.5 Letters to other groups

TD number	Title	Comment/Status	TO	CC
SP-020839	Additional Release 5 work needed for Policy Control and Subscription Control of Media	Approved	**SA WG1, SA WG2, SA WG3, SA WG4, CN WG1**	**TSG CN CN WG4**
SP-020842	LS to IETF on Interoperability Issues and SIP in IMS	Approved	**IETF**	**TSG CN**
SP-020844	Response LS to ETSI MTS on comments to DTR/MTS 0082	Approved	**ETSI TC MTS**	**TSG CN, TSG RAN, T WG1**

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

TD SP-020829 CR 012 to 21.101: "Correction to list of specs" revised. This CR was approved.

TD SP-020830 CR 009 to 21.102: "Correction to list of specs" revised. This CR was approved.

TD SP-020831 CR 002 to 21.103: "Correction to list of specs" revised. This CR was approved.

TD SP-020832 CR 009 to 01.01: "GSM Release 1999 specifications" revised. This CR was approved.

TD SP-020782 CR 008 to 41.102: "GSM Release 4 Specifications" revised. This CR was approved.

TD SP-020833 CR 002 to 41.103: "Correction to list of specs" revised. This CR was approved.

TD SP-020784 CR 010 to 01.01: "List of R99 work items" revised. This CR was approved.

8.7 General aspects of Release handling and definition

There were no specific contributions under this agenda item. The was discussed under agenda item 7.6.

8.8 Review of Release 6 status, content and completion

There were no specific contributions under this agenda item. This was discussed under agenda item 7.6.

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

TD SP-020834 Draft Minutes of Future Evolution meeting #2. This was presented by the Evolution ad-hoc Secretary. Concerning the Election of the Chairman for the Future Evolution ad-hoc, the TSG SA Chairman outlined the rules for election of officials for new 3GPP groups, and following the normal procedures, the election was scheduled for this second meeting. It was noted that there had been a call for election 24 days in advance of the meeting. The election was on the agenda and there had been one candidate for the Chairmanship within the group (see TD SP-020809). The TSG SA Chairman therefore concluded that Mr. Iain Sharp should be appointed Chairman of the group.

There was an objection from Individual Member company "**3**" to appoint a chairman of the group, as it was felt premature considering the progress of the work and that many companies were not yet aware of the full scope of the group or the expected content of the Report to be produced. The objection from "3" was noted and Mr. Iain Sharp was considered appointed as chairman of the Future Evolution ad-hoc group.

It was agreed that the existence, organisation and future of this group will be reviewed at TSG SA meeting #20 (June 2003).

It was clarified that this group will report directly to TSG SA.

In order to progress the work on the Future Evolution Report, a Rapporteur was appointed (Mr. Craig Bishop, Samsung) who was thanked for taking on this task.

The Convenor of the meeting, Mr. Hiroshi Nakamura, thanked all participants for their hard work during the two meetings he convened.

TSG SA thanked the Convenor for his excellent support in these meetings.

The next meeting of the group was agreed for Monday morning 17 March 2003, before the next TSG SA meeting.

Delegates were reminded that additional meetings may be needed for this group, but e-mail discussions were encouraged to avoid the extra costs physical meetings would incur.

TD SP-020809 Manifesto and CV for Iain Sharp (Candidate for Chairman, 3GPP Evolution Ad-hoc). 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

TD SP-020786 Specs status list prior to TSGs#18. This was equivalent to the status list at the end of SA meeting #17, with some editorial corrections and not including the recent GERAN results. The document was noted and delegates invited to report any errors to the MCC specifications manager.

TD SP-020787 Specs status list at end of TSG-SA#18. This was to be provided after the meeting with the changes agreed at the TSG meetings. Delegates invited to report any errors to the MCC specifications manager.

TD SP-020788 List of specs / releases, revised. This was noted.

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-020836 Report of MCC activities to TSG SA #18. This was presented by the Head of MCC and

outlined the activities of MCC. MCC were thanked for their support to 3GPP and the report was noted.

11 Postponed issues from earlier in the meeting

There were no specific contributions under this agenda item.

12 Work plan and future meetings

TD SP-020837 Calendar of 3GPP meetings. This was provided for information and was noted.

13 Any other business

TD SP-020823 Security Summit meeting. This was introduced by SBC for information about the forthcoming Summit in Washington, USA in February. Interested Members should consider attendance at the Summit. The document was then noted. It was also noted that similar activities are underway in other geographical regions and Members were encouraged to monitor activities which interest them.

14 Close of meeting

The TSG SA Chairman thanked the hosts "North American Friends of 3GPP" for the excellent arrangements, and particularly Shannon and Suzanne for organising the arrangements, Karen Hughes, MCC for the support during the meeting. AWS and Rogers Wireless were thanked for hosting the social event and the delegates for their hard work, patience and co-operation at the meeting. The TSG SA Chairman then closed the meeting.

Annex A: Co-ordinates of TSG and WG Officials

A.1 TSG SA Officials

Position	Name	Company	e-mail	Telephone	Fax	(Mobile Tel.)
TSG SA Officials:						
Chairman	Niels Andersen	MOTOROLA	npa001@email.mot.com	+45 43 48 81 10	+45 43 48 80 01	+45 4018 4793
Vice Chairman	Gary Jones	VoiceStream	gary.jones@voicestream.com	+1 301 951 2524	+1 703 715 2365	+1 201486 0949
Vice Chairman	Hiroshi Nakamura	NTT DoCoMo	naka@docomo.fr	+33 1 56 88 30 30	+33 1 56 88 30 45	
Secretary	Maurice Pope	3GPP Support Team	maurice.pope@etsi.org	+33 4 92 94 42 59	+33 4 92 38 52 59	
TSG SA WG1 Officials:						
Chairman	Kevin Holley	BT	kevin.holley@bt.com	+44 1473 605604	+44 1473 623794	
Vice Chairman	Randolph Wohlert	Pacific Bell Wireless	rwohlert@tri.sbc.com	+1 512 372 5838	+1 512 372 5891	
Vice Chairman	Tommi Kokkola	Nokia Corporation	tommi.kokkola@nokia.com	+358 40 50 40 734	+358 9 511 68080	+358 40 50 40 734
Secretary	Michael Clayton	3GPP Support Team	michael.clayton@etsi.org	+33 4 92 94 42 28	+33 4 92 38 52 28	+33 6 74 40 83 68
TSG SA WG2 Officials:						
Chairman	Mikko Puuskari	Nokia	mikko.puuskari@nokia.com	+358 9 43 761	+358 9 43 76 6856	+358 40 528 8283
Vice Chairman	Akishige Noda	Fujitsu	aki.noda@jp.fujitsu.com	+81 44 75 44 196	+81 44 75 44 147	
Vice Chairman	Bonnie Chen	Motorola	BCHEN1@motorola.com	+1 847 435 2699	+1 847 632 6299	
Secretary (leaving)	Alain Sultan	3GPP Support Team	alain.sultan@etsi.org	+33 4 92 94 42 71	+33 4 92 38 52 71	+33 67 440 8370
Secretary (new)	Sang-Ui Yoon	3GPP Support Team	sang-ui.yoon@etsi.org	+33 4 92 94 42 97	+33 4 92 38 52 97	
TSG SA WG3 Officials:						
Chairman	Michael Walker	Vodafone	mike.walker@vodafone.com	+44 1635 673 886	+44 1635 31127	+44 385 277 687
Vice Chairman	Valtteri Niemi	Nokia	valtteri.niemi@nokia.com	+358 50 48 37327	+358 9 4376 6850	
Vice Chairman	Michael Marcovici	Lucent Technologies	marcovici@lucent.com	+1 630 979 4062	+1 630 224 9955	
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Vice Chairman	Tomoyuki Ohya	NTT DoCoMo	ohya@spg.nttdocomo.co.jp	+81 3 5563 7241		
Vice Chairman	Vacancy					
Secretary	Paolo Usai	3GPP Support Team	paolo.usai@etsi.org	+33 4 92 94 42 36	+33 4 92 38 52 36	+33 6 74 40 83 73
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Vice Chairman	Christian Toche	Nortel Networks	toche@nortelnetworks.com	+33 1 69 55 44 91		
Secretary	Adrian Zoicas	3GPP Support Team	adrian.zoicas@etsi.org	+33 4 92 94 42 21	+33 4 92 38 52 21	

A.2 TSG CN Officials

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Vice Chairman	Kunihiko Taya	NEC	taya@bk.jp.nec.com			
Secretary	David Boswarthick	3GPP Support Team	david.boswarthick@etsi.org	+33 4 92 94 42 78	+33 4 92 38 52 78	
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Vice Chairman	Andrew Howell	Motorola Ltd	andrew.howell@motorola.com	+44 1256 790 170	+44 1256 790 190	+44 77 85 363 850
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Vice Chairman	Vacancy					
Secretary	Andrijana Jurisic	3GPP Support Team	andrijana.jurisic@etsi.org	+33 4 92 94 43 09	+33 4 92 38 53 09	
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Vice Chairman	Vacancy					
Vice Chairman	Vacancy					
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Vice Chairman	Peter Schmitt	Siemens	peter.schmitt@icn.siemens.de	+49 6621 169152		
Vice Chairman	Toshiyuki Tamura	NEC Corporation	tamurato@aj.jp.nec.com	+81 471 85 6706	+81 471 85 6962	
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Vice Chairman	Vacancy					
Secretary	Adrian Zoicas	3GPP Support Team	adrian.zoicas@etsi.org	+33 4 92 94 42 21	+33 4 92 38 52 21	
TSG CN AHG1 (ITU-T Co-ordination) Officials:						
Chairman	Yun Chao Hu	Ericsson	Yun-Chao.Hu@era.ericsson.se	+ 46 8 508 78153		
Secretary	David Boswarthick	3GPP Support Team	david.boswarthick@etsi.org	+33 4 92 94 42 78	+33 4 92 38 52 78	

A.3 TSG RAN Officials

Position	Name	Company	e-mail	Telephone	Fax	(Mobile Tel.)
TSG RAN Officials:						
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Vice Chairman	Eisuke Fukuda	Fujitsu	efukuda@jp.fujitsu.com	+81 44 754 4142	+81 44 754 4186	
Secretary	Cesar Gutierrez	3GPP Support Team	cesar.gutierrez@etsi.org	+33 4 92 94 43 21	+33 4 92 38 53 21	+33 6 74 40 83 64
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Vice Chairman	Hyeon Woo Lee	Samsung Electronics	woojaa@samsung.com	+82 31 779 6613	+82 31 779 8003	
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Vice Chairman	Vacancy					
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TSG RAN WG3 Officials:						
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Vice Chairman	Chenghock Ng	NEC	ngcheng@mcs.abk.nec.co.jp	+81 471 85 7167		
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TSG RAN WG4 Officials:						
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Vice Chairman	Vacancy					
Secretary	Cesar Gutierrez	3GPP Support Team	cesar.gutierrez@etsi.org	+33 4 92 94 43 21	+33 4 92 38 53 21	
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A.4 TSG T Officials

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Chairman	Sang-Keun Park	Samsung	skpark@khgw.info.samsung.co.kr	+82 331 280 9835	+82 331 280 1660	+82-11-349-6535
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Vice Chairman	Kevin Holley	BT	kevin.holley@bt.com	+44 1473 605604	+44 1473 623794	+44 7802 220811
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Vice Chairman	Peter George	Anritsu UK	peterg@anritsu.co.uk	+44 143 874 0011	+44 143 874 0202	
Vice Chairman	Hisashi Nakagomi	NTT DoCoMo	hisashi@cet.yrp.nttdocomo.co.jp	+81-468-40-3100	+81-468-40-3733	
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Vice Chairman	Gunilla Bratt	Ericsson L.M.	gunilla.bratt@ecs.ericsson.se	+46 46 193 729	+46 46 193 216	
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Vice Chairman	Paul JOLIVET	DoCoMo Europe	jolivet@docomo.fr	+33 1 56 88 30 30	+33 1 56 88 30 45	+33 6 84 77 71 71
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A.5 TSG GERAN Officials

Position	Name	Company	e-mail	Telephone	Fax	(Mobile Tel.)
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Vice Chairman	Marc Grant	SBC Communications	marc.grant@sbc.com	+1 512 372 5834	+1 512 372 5891	+1 925 3477
Secretary	Paolo Usai	3GPP Support Team	paolo.usai@etsi.org	+33 4 92 94 42 36	+33 4 92 38 52 36	+33 6 74 40 83 73
TSG GERAN WG1 Officials:						
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Vice Chairman	Vacancy					
Vice Chairman	Vacancy					
Secretary	Paolo Usai	3GPP Support Team	paolo.usai@etsi.org	+33 4 92 94 42 36	+33 4 92 38 52 36	+33 6 74 40 83 73
TSG GERAN WG2 Officials:						
Chairman	José Luis Carrizo Martinez	Vodafone	jose-luis.carrizo@vodafone.co.uk	+44 1635 676093	+44 1635 231847	+44 1635 676093
Vice Chairman	Vacancy					
Vice Chairman	Vacancy					
Secretary	Gert Thomasen	3GPP Support Team	gert.thomasen@etsi.org	+33 4 92 94 43 84	+33 4 92 38 53 84	
TSG GERAN WG3 Officials:						
Chairman	Vacancy					
Vice Chairman	Vacancy					
Vice Chairman	Vacancy					
Secretary	Paolo Usai	3GPP Support Team	paolo.usai@etsi.org	+33 4 92 94 42 36	+33 4 92 38 52 36	+33 6 74 40 83 73
TSG GERAN WG4 Officials:						
Chairman	Ilya Gonorovsky	Motorola Inc.	i.gonorovsky@motorola.com	+1 732 762 7082	+1 732 878 8001	
Vice Chairman						
Vice Chairman						
Secretary	Michael Clayton	3GPP Support Team	michael.clayton@etsi.org	+33 4 92 94 42 28	+33 4 92 38 52 28	+33 6 74 40 83 68
TSG GERAN WG5 Officials:						
Chairman	Arnold Ronbeck	AU-System	arnold.ronbeck@ausystem.se	+46 46 32 71 69	+46 46 32 70 01	+46 705 29 29 47
Vice Chairman						
Vice Chairman						
Secretary	Lidia Salmeron	3GPP Support Team	lidia.salmeron@etsi.org	+33 4 92 94 43 49	+33 4 92 38 53 49	

Annex B: List of documents

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-020630	Draft Agenda for TSG SA meeting #18	TSG SA Chairman	2	Approval		Approved
SP-020631	Draft Report of TSG SA meeting #17	TSG SA Secretary	3	Approval		Approved
SP-020632	TV161 - Liaison Statement to 3GPP	TV-Anytime Forum	6.3	Discussion		Noted. SA1 Chair to respond with agreements on SP-020759
SP-020633	Liaison statement (from CN WG1) on Interoperability Issues and SIP in IMS	CN WG1	8.1.1	Information		Noted. Covered by LS in SP-020800
SP-020634	LS (from SA WG2) on proposed TR for the architectural aspects of early UE handling	SA WG2	7.2.2	Information		Noted
SP-020635	Liaison (from ITU-T SG16) to multiple SDOs requesting input for “Media Coding Summary Database” project	ITU-T Study Group 16	6.3	Action		Noted. SA4 to consider and provide input
SP-020636	LS (from ITU-T SG16) on New Video Coding Standard H.264/AVC	ITU-T Study Group 16	6.3	Information		Noted. SA4 to consider and provide input
SP-020637	LS from ITU-T SG16: New Question on Use of Public Telecommunication Services for Emergency and Disaster Relief Operations	ITU-T Study Group 16	6.3	Information		Noted. SA1 dealing with issue. Workshop 17-19 Feb in Geneva
SP-020638	Liaison Statement (from GSMA-SerG) regarding Push specification work within 3GPP	GSMA-SerG	6.2	Information		Noted
SP-020639	(LS from SA WG1) Requirement to allow access to IMS by means of SIM	SA WG1	7.1.2	Information		
SP-020640	Letter informing MCC of MWIF dissolving as an organization and 3GPP MRP	MCC (MWIF)	6.2	Information		Noted
SP-020641	LS from OMA DOWNLOAD drafting committee: Completion of DRM specifications	OMA, DOWNLOAD DC	6.3	Information		Noted. SP-020758, SP-020759 considered for reltion between work of OMA and 3GPP
SP-020642	Liaison statement (from SA WG3) on Interoperability Issues and SIP in IMS	SA WG3	7.3.2	Information		Noted
SP-020643	REPLY LS (from RAN WG3) on proposed TR for the architectural aspects of early UE handling	RAN WG3	8.2.1	Information		Noted
SP-020644	LS from SA WG1: Agreed matrices of ME/SIM ME/USIM combinations for MMS service and Releases	SA WG1	7.1.2	Information		RESULT TO BE CLARIFIED
SP-020645	Presentation of SA1 to SA #18	SA WG1	7.1.1	Information		Noted. Chairman not standing for election Jan 2003 and was thanked for his hard work in SA WG1.
SP-020646	Status report of SA1 to SA #18	SA WG1	7.1.1	Information	SP-020791	

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-020647	Release 99/4/5/6 CRs to 22.038 on USAT requirements (deletion and re-introduction)	SA WG1	7.1.3	Approval		Returned to SA1 for further review. To forward to T1 when updated
SP-020648	Release 4 CR to 22.135 on Corrections to terminology	SA WG1	7.1.3	Approval		Approved
SP-020649	Release 4/5 CRs to 21.140 on Storage of configuration information on the (U)SIM	SA WG1	7.1.3	Approval	SP-020814	Revised in SP-020814
SP-020650	Release 5/6 CRs to 22.101 on SIM access to IMS Rel-5/6	SA WG1	7.1.3	Approval		Postponed until full package of CRs are ready
SP-020651	Release 5/6 CRs to 22.101 on Support of SIM and USIM in REL-5/6	SA WG1	7.1.3	Approval		Approved
SP-020652	Release 5 CR to 22.127 on Event notification mechanism to inform applications about new SCS	SA WG1	7.1.3	Approval		Approved
SP-020653	Release 5 CRs to 22.078 on various subjects	SA WG1	7.1.3	Approval		Approved
SP-020654	Release 6 CR to 21.905 on definitions and abbreviations	SA WG1	7.1.3	Approval		Approved as Cat "F"
SP-020655	Release 6 CR to 22.066 on IMS number portability	SA WG1	7.1.3	Approval		Approved
SP-020656	Release 6 CR to 22.067 for Priority Service	SA WG1	7.1.3	Approval		Approved
SP-020657	Release 6 CRs to 22.071 on LCS	SA WG1	7.1.3	Approval		Approved
SP-020658	Release 6 CRs to 22.101 on Number portability and emergency calls	SA WG1	7.1.3	Approval		Approved
SP-020659	Release 6 CRs to 22.127 on OSA (Various subjects)	SA WG1	7.1.3	Approval		Approved. SA WG2 asked to consider implications at next meeting
SP-020660	Release 6 CRs to 22.140 on Multimedia Messaging (Various subjects)	SA WG1	7.1.3	Approval		CRs 020, 021, 022 Approved. CR023 not approved. SA1 asked to consider SP-020807 and DRM issuesfor agreement and revised CR at the next meeting
SP-020661	Release 6 CRs to 22.174 on PUSH (Various subjects)	SA WG1	7.1.3	Approval		Approved
SP-020662	Release 6 CRs to 22.233 on Streaming (Various subjects)	SA WG1	7.1.3	Approval		Approved
SP-020663	Release 6 CR on TS 22.243 on Codecs used for speech recognition framework	SA WG1	7.1.3	Approval		Not Approved. Return to SA1 for further discussion
SP-020664	Release 6 CR to TS 22.243 on Removal of references	SA WG1	7.1.3	Approval		Approved
SP-020665	Release 6 CRs to 22.934 on Wireless LAN (Various subjects)	SA WG1	7.1.3	Approval		Approved. SA 2 not to include Scenario 2
SP-020666	Release 6 CRs to 21.905 and 22.101 to introduce WLAN requirements	SA WG1	7.1.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-020667	Release 6 CRs to 22.950 on Priority service feasibility study (Various subjects)	SA WG1	7.1.3	Approval		Approved
SP-020668	TR 22.951 version 2.0.0 on Network Sharing for Approval	SA WG1	7.1.3	Approval		Approved (version 6.0.0)
SP-020669	TS 22.250, Version 2.0.0 on IMS group management capability for Approval	SA WG1	7.1.3	Approval		Approved (version 6.0.0)
SP-020670	TR 22.940, Version 2.0.0 on IMS Messaging for Approval	SA WG1	7.1.3	Approval		Approved (version 6.0.0)
SP-020671	TS 22.340, Version 2.0.0 on IMS Messaging; Stage 1 for Information and Approval	SA WG1	7.1.3	Approval		Approved (version 6.0.0)
SP-020672	Updated GUP Work Item Description	SA WG1	7.1.3	Approval	SP-020816	Revised in SP-020816
SP-020673	New WID description for “Study of subscriber and operators relationship in IMS and related ISIM requirements for Rel 6”	SA WG1	7.1.3	Approval		Approved (WID update)
SP-020674	WITHDRAWN - Coding of Maximum Offset and Included Angle	TSG GERAN	8.4.1	Information		WITHDRAWN (same as 679)
SP-020675	Proposed CR to 23.228: Handling of SDP manipulation issue in stage-2 specifications	Dynamicsoft, Ericsson, Nokia, Vodafone group, AT&T Wireless, Telia, THREE	7.2.3	Approval	CR in SP-020838	CR was discussed in SA2, but was not approved due to some concerns raised. Source companies believe that those concerns have now been settled. Revised in SP-020838
SP-020676	LS from SA WG1: New WID description for “Study of subscriber and operators relationship in IMS and related ISIM requirements for Rel 6” and draft of the TR	SA WG1	7.1.2	Information	SP-020813	Attachment missing in ZIP - replaced by SP-020813
SP-020677	LS (from T WG2) on MMS parameter storage on the (U)SIM, and the Stage 1 Rel-4 specifications	T WG2	8.3.1	Action		Noted. Covered in discussion on SIM in IMS
SP-020678	Liaison statement about new Wireless LAN Interworking Group (WIG)	Chairmen: ETSI BRAN, High Speed Wireless Access Committee of MMAC-PC, IEEE 802.11	6.2	Discussion		Noted. Request for Liaison with WIG to be presented to PCG by head of MCC
SP-020679	LS (from TSG GERAN): Coding of Maximum Offset and Included Angle	TSG GERAN	8.4.1	Information		Noted
SP-020680	LS (from T WG2) on Alignment of MMS Message Size definition	T WG2	8.3.1	Information		Noted
SP-020681	TSG S4 Status Report at TSG-SA#18	SA WG4 Chairman	7.4.1	Information		Noted
SP-020682	3GPP TR 26.976 "AMR-WB Speech Codec Performance Characterization" (Release 5) version 2.0.0	SA WG4	7.4.3	Approval		Approved (Rel-5)
SP-020683	TR 26.937 "RTP Usage Model" (Release 5) v. 1.2.0	SA WG4	7.4.3	Information		Noted

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-020684	Work Item Description on Enhanced Tandem Free Operation (Release 6)	SA WG4	7.4.3	Approval		Not approved. SA2 to provide report on system aspects and impacts to next SA meeting and WI re-submitted if still required
SP-020685	Work Item Description on Packet Switched Streaming Services (Release 6)	SA WG4	7.4.3	Approval		Approved
SP-020686	Work Item Description on AMR-WB extension for high audio quality (Release 6)	SA WG4	7.4.3	Approval		Approved. SA4 to update objectives for next SA meeting
SP-020687	Work Item Description on Codec Work to Support Speech Recognition Framework for Automated Voice Services (Release 6)	SA WG4	7.4.3	Approval		Approved
SP-020688	CR to TS 26.093 - Correction of uplink SCR operation activation for UMTS AMR (Release 5)	SA WG4	7.4.3	Approval		Approved
SP-020689	CR to TS 26.102 - Correction of RAB parameter assignment for AMR (Release 5)	SA WG4	7.4.3	Approval		Approved
SP-020690	CRs to TS 26.103 Corrections (Release 5)	SA WG4	7.4.3	Approval		Approved
SP-020691	CRs to TS 26.140 - Corrections (Release 5)	SA WG4	7.4.3	Approval		Approved
SP-020692	CR to TS 26.173 Correction of ambiguous expression in the AMR-WB C-Code (Release 5)	SA WG4	7.4.3	Approval		Approved
SP-020693	CR to TS 26.174 - Correction in frame syncronisation sequence (Release 5)	SA WG4	7.4.3	Approval		Approved
SP-020694	CRs to TS 26.234 - Corrections (Release 4 and Release 5)	SA WG4	7.4.3	Approval		Approved
SP-020695	CRs to TS 26.236 - Corrections (Release 5)	SA WG4	7.4.3	Approval		Approved
SP-020696	CRs to TS 28.062 - Corrections (Release 4 and Release 5)	SA WG4	7.4.3	Approval		Approved
SP-020697	Status report from SA WG3 to TSG SA#18	SA WG3 Chairman	7.3.1	Information		Noted
SP-020698	Reports of SA WG3 meetings #25 and #26	SA WG3 Secretary	7.3.1	Information		Noted
SP-020699	LS (from SA WG3 on request from SA3 LI) on change to LI subscription	SA WG3	7.3.2	Approval		TSG SA Chairman would to the proposal to the PCG for agreement
SP-020700	1 CR to 33.102 (Rel-5): USIM support in GERAN only terminals	SA WG3	7.3.3	Approval		Approved
SP-020701	WITHDRAWN				WITHDRAWN	Error in cover table - replaced in SP-020790
SP-020702	1 CR to 33.107 (Rel-5): Event Time	SA WG3	7.3.3	Approval		Approved
SP-020703	1 CR to 33.107 (Rel-5): Incorrect implementation of the Serving System reporting	SA WG3	7.3.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-020704	2 CRs to 33.107 and 33.108 (Rel-5): Essential correction to the LI events generated during inter-SGSN RAU, when PDP context is active	SA WG3	7.3.3	Approval		Approved
SP-020705	1 CR to 33.108 (Rel-5): Essential corrections to the Annex C.1 (ULIC)	SA WG3	7.3.3	Approval		Approved
SP-020706	1 CR to 33.108 (Rel-5): Missing PDP Context Modification event	SA WG3	7.3.3	Approval		Approved
SP-020707	1 CR to 33.108 (Rel-6): Aggregation of IRI Records	SA WG3	7.3.3	Approval		Approved
SP-020708	1 CR to 33.108 (Rel-5): Changes to TS 33.108 for U.S. LI Requirements	SA WG3	7.3.3	Approval		Approved
SP-020709	1 CR to 33.200 (Rel-5): Removal of Automatic Key Management from Release 5	SA WG3	7.3.3	Approval		Approved
SP-020710	1 CR to 33.203 (Rel-5): Correction of IP address acquisition in P-CSCF	SA WG3	7.3.3	Approval		Approved
SP-020711	1 CR to 33.203 (Rel-5): Sending error response when P-CSCF receives unacceptable proposal	SA WG3	7.3.3	Approval		Approved
SP-020712	1 CR to 33.203 (Rel-5): The use of SAs in user authentication failures	SA WG3	7.3.3	Approval		Approved
SP-020713	1 CR to 33.203 (Rel-5): Clean up one Editor's note in 33.203	SA WG3	7.3.3	Approval		Approved
SP-020714	1 CR to 33.203 (Rel-5): Re-use and re-transmission of RAND and AUTN	SA WG3	7.3.3	Approval		Approved
SP-020715	1 CR to 33.203 (Rel-5): Update of SIP Security Agreement Syntax in Appendix H	SA WG3	7.3.3	Approval		Approved
SP-020716	1 CR to 33.203 (Rel-5): Registration and SA lifetimes	SA WG3	7.3.3	Approval		Approved
SP-020717	1 CR to 33.203 (Rel-5): Open issues in SA handling	SA WG3	7.3.3	Approval		Approved
SP-020718	1 CR to 33.203 (Rel-5): Allowing IMS access with SIM cards	SA WG3	7.3.3	Approval		Postponed for complete system solutions (TSG SA#19)
SP-020719	1 CR to 33.210 (Rel-5): Adding requirement to provide mandatory support for 3DES encryption in NDS/IP.Remove AES references and dependencies	SA WG3	7.3.3	Approval		Approved
SP-020720	1 CR to 33.210 (Rel-6): Securing UTRAN/GERAN IP Transport interfaces and specifically the Iu interface with NDS/IP mechanisms	SA WG3	7.3.3	Approval		Approved
SP-020721	4 CRs to 55.216, 55.217, 55.218 and 55.919 (Rel-6): EGPRS algoritm	SA WG3	7.3.3	Approval		Approved
SP-020722	WID: Lawful Interception in the 3GPP Rel-6 architecture	SA WG3	7.3.3	Approval		Approved. Timescales to be corrected (2002->2003)
SP-020723	Presentation of TR 33.810 version 2.0.0 to TSG SA for approval (Release 6)	SA WG3	7.3.3	Approval		Approved

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-020724	Presentation of TR 55.205 version 1.0.0 to TSG SA for approval (Release 6)	SA WG3	7.3.3	Approval		Approved
SP-020725	Status report of SA5 to SA #18	SA WG5 Chairman	7.5.1	Information		Noted
SP-020726	Rel 5 CR 32.101 (Telecommunication management; Principles and high level requirements)	SA WG5	7.5.3	Approval		Approved
SP-020727	2 Rel 5 CRs 32.102 (Telecommunication management; Architecture) : various	SA WG5	7.5.3	Approval		Approved
SP-020728	Rel-6 TS 32.140 v1.1.0 (Services operations management; Subscription management requirements)	SA WG5	7.5.3	Approval		Noted
SP-020729	Rel-6 Feature: Charging Management	SA WG5	7.5.3	Approval		Approved
SP-020730	Rel-6 BB (BB1): Charging management for bearer level	SA WG5	7.5.3	Approval		Approved
SP-020731	Rel-6 BB (BB2): Charging management for the IM Subsystem	SA WG5	7.5.3	Approval		Approved
SP-020732	Rel-6 BB (BB3): Charging management for the service domain	SA WG5	7.5.3	Approval		Approved
SP-020733	Rel-97/98/99 CRs 12.15/32.015 (PS Charging) : "Addition of SGSN's Mobile Country Code (MCC) and Mobile Network Code (MNC) on G-CDR"	SA WG5	7.5.3	Approval		Approved
SP-020734	4 Rel-4/5 CRs 32.205/32.215 (CS/PS Charging): "Corrections on parameter Destination Number"	SA WG5	7.5.3	Approval		Approved
SP-020735	2 Rel-4 CRs 32.215/32.200 (Bearer Charging): "Addition of SGSN's MNC and MCC in G-CDR "	SA WG5	7.5.3	Approval		Approved (as Cat F CRs)
SP-020736	4 Rel-4/5 CR 32.205/32.215 (CS/PS Charging): "Alignment of LCS"	SA WG5	7.5.3	Approval		Approved
SP-020737	Rel-5 CR 32.205 (CS Charging): "Charging for Wireless Number Portability"	SA WG5	7.5.3	Approval		Approved. SA5 to check if applicable to specific geog. Areas
SP-020738	3 Rel-5 CRs 32.215 (PS Charging): various	SA WG5	7.5.3	Approval		Approved
SP-020739	3 Rel-5 CRs 32.225 (IMS Charging): various	SA WG5	7.5.3	Approval		Approved
SP-020740	2 Rel-4/5 CRs 32.200 (Service Charging): "Correction of interface descriptions"	SA WG5	7.5.3	Approval		Approved
SP-020741	Rel-4/5 CRs 32.200 (Service Charging): "Alignments on MMS charging CDRs plus addition in Rel-5 of the MMBox""	SA WG5	7.5.3	Approval		Approved
SP-020742	Rel-4/5 CR 32.205/32.235 (Service Charging): "Corrections on MMS records ASN.1 definition"	SA WG5	7.5.3	Approval	SP-020808	Corrections to Cat & Titles in SP-020808
SP-020743	new Rel-5 draft v200 Rel-5 TS 32664 Kernel CM IRP CMIP SS	SA WG5	7.5.3	Approval		Approved (Rel-5)

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-020744	2 Rel-4/5 CR 32.612 (Bulk CM IRP Information service) : Incomplete getSessionStatus	SA WG5	7.5.3	Approval		Approved
SP-020745	Rel-4 CR 32.613 (Bulk CM IRP CORBA solution set) : Removal of the Concurrency exception in getSessionLog	SA WG5	7.5.3	Approval		Approved
SP-020746	2 Rel-4/5 CRs 32.614 (Bulk CM IRP CMIP solution set)	SA WG5	7.5.3	Approval		Approved. Rel-5 CR to be based on version 4.2.0
SP-020747	2 Rel-5 CRs 32.632/32.633 (CN Resources IRP: Network Resource Model/ CORBA solution set) : Removal of faulty attribute uraList	SA WG5	7.5.3	Approval		Approved
SP-020748	Rel-5 CR 32.642 (UTRAN network resources IRP: Network Resource Model) : Inclusion of valid values and ranges for UTRAN Cell parameters	SA WG5	7.5.3	Approval		Approved
SP-020749	4 Rel-5 CRs 32.604/634/644/654 (CMIP SSs of Basic CM IRP/CN NRM/UTRAN NRM/GERAN NRM) : Alignement with 32.6x1/2	SA WG5	7.5.3	Approval		Approved
SP-020750	Rel-5 CR 32.661 (Kernel CM requirements) : Clarification regarding optionality of notifications	SA WG5	7.5.3	Approval		Approved
SP-020751	6 Rel-4/5 CR 32.111-2/3/4 (Alarm IRP: Information Service/CORBA & CMIP SSs) : Add additionalInformation parameter in notification	SA WG5	7.5.3	Approval		Approved
SP-020752	Rel-5 CR 32.111-3 (Alarm IRP: CORBA SS) : Add notifyPotentialFaultyAlarmList (align with 32.111-2 Alarm IRP: Information Service)	SA WG5	7.5.3	Approval		Approved
SP-020753	Rel-5 CR 32.111-4 (Alarm IRP: CMIP SS) : Addition of Security Alarm Support (align with 32.111-2 Alarm IRP: Information Service)	SA WG5	7.5.3	Approval		Approved
SP-020754	Updated Rel-6 WID BB OAM-NIM Network Infrastructure Management (32100-, 300-, 600-Series)	SA WG5	7.5.3	Approval		Approved
SP-020755	Rel-6 TS 32.421 v2.0.0 (Subscriber and equipment trace: Trace concepts and requirements)	SA WG5	7.5.3	Approval		Approved (Rel-6)
SP-020756	LS reply from SA5 to RAN, RAN2, RAN3 (cc: CN1, CN4, GERAN, SA, SA2) on Subscriber and Equipment Trace Impacts	SA WG5	7.5.2	Information		Noted
SP-020757	IETF Status report	TSG CN Chairman	8.1.1	Information		Noted
SP-020758	Cooperation on technical development	OMA Technical Plenary	6.3	Discussion		Noted. OMA documents available on OMA web site
SP-020759	Response to Liaison on Digital Rights Management	OMA Technical Plenary	6.3	Discussion		Agreed to keep 3GPP Stage 1 and to insert references to OMA Stage 2 and 3 work on DRM

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SP-020760	1 CR to 33.203 (Rel-5): TCP and UDP share the same SA	SA WG3	7.3.3	Approval		Approved
SP-020761	1 CR to 33.203 (Rel-5): Indication in the UE that the SA is no longer active in P-CSCF	SA WG3	7.3.3	Approval		Approved
SP-020762	LS from SA WG1: Interworking between 3GPP systems and Wireless LANs	SA WG1	7.1.2	Action		Assumption (WLAN is not 3GPP system) endorsed
SP-020763	LS (from SA WG1) on Enhanced Dialled Services	SA WG1	7.1.2	Action		
SP-020764	LS (from SA WG2) on Early UE handling	SA WG2	7.2.2	Action		Noted
SP-020765	LS from SA WG2: Requirement to Allow Access to IMS by means of SIM in 3G UEs	SA WG2	7.2.2	Action		
SP-020766	LS from SA WG2: Response to “Response to IETF LS on Interoperability Issues and SIP in IMS”	SA WG2	7.2.2	Action		Noted. Taken into account for SIP alignment discussions 8.1
SP-020767	SA WG2 status report to TSG SA#18	SA WG2	7.2.1	Information		Noted
SP-020768	CRs to 03.60 and 23.060 (GPRS/PS domain stage 2)	SA WG2	7.2.3	Approval		Approved
SP-020769	CRs to 03.71, 23.171 and 23.271 (LCS Stage 2)	SA WG2	7.2.3	Approval		Approved. CR138r3 editors note 2 not needed. SA2 to clean up for SA#19
SP-020770	CRs to 23.002 (Network Architecture)	SA WG2	7.2.3	Approval	SP-020827	Problem with rev marks display off. Approved version in SP-020827
SP-020771	CRs to 23.032 (LCS Geographic shapes)	SA WG2	7.2.3	Approval		Approved
SP-020772	CRs to 23.107 (QoS)	SA WG2	7.2.3	Approval		Approved
SP-020773	CRs to 23.141 (Presence)	SA WG2	7.2.3	Approval		Approved
SP-020774	CRs to 23.207 (End to end QoS)	SA WG2	7.2.3	Approval		CRs 044, 050 and 052 merged in SP-020819. All other CRs approved
SP-020775	CRs to 23. 221 (Architecture Requirements)	SA WG2	7.2.3	Approval		Approved
SP-020776	CRs to 23.228 (IMS Stage 2)	SA WG2	7.2.3	Approval	CR225 in SP-020828	CR225 postponed. CR204r1 and 217r1 were withdrawn (included in error) Remaining CRs approved
SP-020777	CRs on 23.127	SA WG2	7.2.3	Approval		Approved
SP-020778	CR 012 to 21.101: "Correction to list of specs" revised	MCC (JMM)	8.6	Approval	SP-020829	Revised in SP-020829
SP-020779	CR 009 to 21.102: "Correction to list of specs" revised	MCC (JMM)	8.6	Approval	SP-020830	Revised in SP-020830
SP-020780	CR 002 to 21.103: "Correction to list of specs" revised	MCC (JMM)	8.6	Approval	SP-020831	Revised in SP-020831

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-020781	CR 009 to 01.01: "GSM Release 1999 specifications" revised	MCC (JMM)	8.6	Approval	SP-020832	Revised in SP-020832
SP-020782	CR 008 to 41.102: "GSM Release 4 Specifications" revised	MCC (JMM)	8.6	Approval		Revised in SP-020833
SP-020783	CR 002 to 41.103: "Correction to list of specs" revised	MCC (JMM)	8.6	Approval	SP-020833	Revised in SP-020833
SP-020784	CR 010 to 01.01: "List of R99 work items" revised	MCC (JMM)	8.6	Approval		Approved
SP-020785	WITHDRAWN: CR 013 to 21.101: "List of R99 work items" revised	MCC (JMM)	8.6	Approval		WITHDRAWN
SP-020786	Specs status list prior to TSGs#18	MCC (JMM)	9.2	Information		Noted. Corrections to be forwarded to Specifications manager
SP-020787	Specs status list at end of TSG-SA#18	MCC (JMM)	9.2	Information		To be provided after meeting
SP-020788	List of specs / releases, revised	MCC (JMM)	9.2	Information		Noted
SP-020789	Proposed WID: Enhancement of dialled service for CAMEL 4 Work Item Description (WID) for TSG-CN	Samsung Electronics, SK Telecom	7.9	Information		Noted. CN WGs to analyse the WI and forward to next CN meeting for approval
SP-020790	3 CRs to 33.102 (R99, Rel-4 and Rel-5): Correction to the START formula	SA WG3	7.3.3	Approval		Approved
SP-020791	Status report of SA1 to SA #18	SA WG1	7.1.1	Information		Noted
SP-020792	WITHDRAWN - Information about the Liberty Alliance Project				SP-020815	WITHDRAWN - corrupted doc
SP-020793	WID: Push Services	SA WG2	7.2.3	Approval		Approved. SA2 asked to remove OMA reference in section 5
SP-020794	WID: Policy-based control of Diffserv Edge Functions	SA WG2	7.2.3	Approval		Approved. SA1 and SA2 to discuss requirements
SP-020795	WID: Early UE handling in the 3GPP system	SA WG2	7.2.3	Approval		Approved. SA2 to update to remove ambiguity allowing untested Ues to market
SP-020796	WID: Overall Architectural Aspects of IP-Flow-based bearer level charging	SA WG2	7.2.3	Approval		Approved. SA2 to update to include link to SA1 Charging work
SP-020797	TR 23.8xx v1.0.0: Provision of UE-specific behaviour information to Network Entities	SA WG2	7.2.3	Approval		Approved. SA2 to modify scope to remove ambiguity on untested UEs reaching market
SP-020798	TSG GERAN Report to TSG SA#18	TSG GERAN	8.4.1	Information		Noted
SP-020799	Liaison statement (from TSG CN) on Subscribed Media	TSG CN	8.1.1	Information		see also SP-020835
SP-020800	Liaison statement (from TSG CN) on Interoperability Issues and SIP in IMS	TSG CN	8.1.1	Information		LS to IETF provided in SP-020842
SP-020801	LS (from TSG RAN) on requirement to test non transmission of newly defined IEs in RRC protocol for Early UE handling	TSG RAN	8.2.1	Action		Noted. To be sent also to TSG GERAN

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-020802	LS (from TSG T) on MMS parameter storage on the SIM, and inter release ME behaviour	TSG T	8.3.1	Action		Noted. Covered in discussions on SIM in IMS
SP-020803	Provision of ITU-T SSG Vision Recommendation to 3GPP Evolution Ad Hoc Meeting	ITU-T SSG Chairman	6.2	Information		Noted. SA Vice Chair to ensure ITU Vision group receive copy of FEW report
SP-020804	Report from TSG CN to TSG SA#18: DRAFT MEETING REPORT v1.0.0	TSG CN	8.1.1	Information		Noted
SP-020805	Report from TSG CN to TSG SA#18	TSG CN	8.1.1	Information		Noted
SP-020806	Report from TSG T to TSG SA#18	TSG T	8.3.1	Information		
SP-020807	Clarification of MMS notification handling and differentiated roaming behavior	Telefonica, T-Mobile	7.1.3	Discussion		SA1 asked to consider this for enhancement of MMS differentiated roaming behaviour
SP-020808	Rel-4/5 CR 32.205/32.235 (Service Charging): "Corrections on MMS records ASN.1 definition"	SA WG5	7.5.3	Approval		Approved
SP-020809	Manifesto and CV for Iain Sharp (Candidate for Chairman, 3GPP Evolution Adhoc)	Nortel	8.9	Information		Noted
SP-020810	SIP 488 message vs SDP editing	Orange	7.2.2	Discussion / Decision		Noted. Discussion of issues in CR of SP-020675
SP-020811	LS (from SA WG3) on Requirement to allow access to IMS by means of SIM	SA WG3	7.3.2	Information		Noted.
SP-020812	LS (from SA WG3): Introduction of a second UMTS encryption and integrity protection algorithm (UEA2 and UIA2)	SA WG3	7.3.2	Action		Funding figures needed. Principle of back-up alkgorithm agreed. Intention of any mandatory implementation date to be provided by SA3
SP-020813	LS from SA WG1: New WID description for “Study of subscriber and operators relationship in IMS and related ISIM requirements for Rel 6” and draft of the TR	SA WG1	7.1.2	Information		Noted
SP-020814	Release 4/5 CRs to 21.140 on Storage of configuration information on the (U)SIM	SA WG1	7.1.3	Approval	CR018 revised in SP-020843	CR018 revised in SP-020843. CR019 approved
SP-020815	Information about the Liberty Alliance Project	Nokia, Siemens, Vodafone	7.2.2	Approval		SA1 and SA2 to analyse work and determine if Liaison with Liberty Alliance is necessary. If so, focal point to be SA1
SP-020816	Updated GUP Work Item Description	SA WG1	7.1.3	Approval		Approved
SP-020817	CR to 22.078 for support of enhanced CSE capability for Dialled Services in release 6	Samsung Electronics, SK Telecom	7.9	Approval		Approved
SP-020818	WID: Enhancement of dialled service for CAMEL 4	Samsung Electronics, SK Telecom	7.9	Approval		Approved
SP-020819	Complementary doc to SP-020774 (CR 044rev = 3 merged CRs 044, 050, and 052 to 23.207)	SA WG2	7.2.3	Approval		Approved. SA2 to clean up editors note

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-020820	WID: GERAN A/Gb mode security enhancements	SA WG3	7.3.3	Approval		Approved. Update to timscales needed
SP-020821	LS (from ETSI MTS) on Document Review of DTR/MTS0082 UMTS Network Integration Testing Methodology and TSS&TP	TSG CN (copied to TSG SA)	8.1.2	Action		Response LS in SP-020841
SP-020822	Report from TSG RAN to TSG SA #18	TSG RAN	8.2.1	Information		Noted
SP-020823	Security Summit meeting	SBC Communications	13	Information		Noted. Interested Members can consider attendance
SP-020824	Additional Release 5 work needed for Policy Control and Subscription Control of Media	TSG SA	8.1.2	Approval	SP-020839	revised in SP-020839 with CR revision updated
SP-020825	3GPP Work Plan version 8 November	MCC (A. Sultan)	7.6			Noted
SP-020826	3GPP Work Plan (Presentation Slides)	MCC (A. Sultan)	7.6	Presentation / Discussion		Presented and modified in SP-020845
SP-020827	CRs to 23.002 (Network Architecture)	SA WG2	7.2.3	Approval		Approved
SP-020828	CR225 to 23.228 (revision from SP-020776)	SA WG2	7.2.3	Approval		Approved
SP-020829	CR 012 to 21.101: "Correction to list of specs" revised	MCC (JMM)	9.2	Approval		Approved
SP-020830	CR 009 to 21.102: "Correction to list of specs" revised	MCC (JMM)	9.2	Approval		Approved
SP-020831	CR 002 to 21.103: "Correction to list of specs" revised	MCC (JMM)	9.2	Approval		Approved
SP-020832	CR 009 to 01.01: "GSM Release 1999 specifications" revised	MCC (JMM)	9.2	Approval		Approved
SP-020833	CR 002 to 41.103: "Correction to list of specs" revised	MCC (JMM)	9.2	Approval		Approved
SP-020834	Draft Minutes of Future Evolution meeting #2	FEW Secretary (MCC)	8.9	Information		Noted. Structure and existence of group to be reviewed at SA#20
SP-020835	Contribution on subscribed media (related to SP-020799)	Orange	8.1.1	Approval		SA2 asked to take this as a basis for a LS to CN4 at their next meeting
SP-020836	Report of MCC acrtivities to TSG SA #18	MCC (A. Scrase)	10	Information		Presented and noted
SP-020837	Calendar of 3GPP meetings	MCC	12	Information		Noted
SP-020838	Revised proposed CR to 23.228: Handling of SDP manipulation issue in stage-2 specifications	Dynamicsoft, Ericsson, Nokia, Vodafone group, AT&T Wireless, Telia, THREE	7.2.3	Approval		Approved
SP-020839	Additional Release 5 work needed for Policy Control and Subscription Control of Media	TSG SA	7.2.3	Approval		Approved
SP-020840	CR to 23.846 (MBMS architecture) to correct missing parts in version 6.0.0	SA WG2 Secretary	7.2.3	Approval		Approved
SP-020841	Response LS to ETSI MTS on comments to DTR/MTS 0082	TSG SA	8.1.2	Approval	SP-020844	Modified in SP-020844

Number	Title	Source	Agenda item	Document for	Replaced by	Comment
SP-020842	LS to IETF on Interoperability Issues and SIP in IMS	TSG SA	8.1.2	Approval		Approved
SP-020843	CR018 revised CR of SP-020814	SA WG1	8.1.3	Approval		Approved
SP-020844	Response LS to ETSI MTS on comments to DTR/MTS 0082	TSG SA	8.1.2	Approval		Approved
SP-020845	Updated 3GPP Work Plan (Presentation Slides)	MCC (A. Sultan)	7.6	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
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Dr. David Hugh Williams	QUALCOMM EUROPE S.A.R.L.	dwilliams@qualcomm.com	+33 6 61 26 83 69	+33661268369		3GPPMEMBER	ETSI	FR
Mr. Martin Winau	TEKTRONIX GmbH & Co KG	Martin.Winau@tek.com	+49 172 311 7152	+49 30 386 36536	+49 30 386 22524	3GPPMEMBER	ETSI	DE
Mr. Randolph Wohlert	SBC Communications Inc.	rwohlert@tri.sbc.com		+1 512 372 5838	+1 512 372 5891	3GPPMEMBER	T1	US
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Mr. Keiji Yoshino	TTC	yoshino@ttc.or.jp		+81 3 3432 1551	+81 3 3432 1553	3GPPORG_REP	TTC	JP
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129 Participants

C.2 List of eligible Voting members for TSG SA#19

The attached list is dependent upon the information in C.1 and Individual Member companies who are recorded as attending TSG SA Meetings #17 or #16 (representation of an Individual Member at any of TSG SA Meetings #16, #17 or #18).

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

List Created on: 03 July 2002

This report shows the 3GPP Member Companies on the Voting List after **TSG SA Meeting #18**
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
CEGETEL	3GPPMEMBER - ETSI	FR
CETECOM GmbH - Certification and Testing in Communications	3GPPMEMBER - ETSI	DE
Cingular Wireless LLC	3GPPMEMBER - T1	US
Cisco Systems France	3GPPMEMBER - ETSI	FR
Cisco Systems Inc.	3GPPMEMBER - T1	US
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
DTI - Department of Trade and Industry	3GPPMEMBER - ETSI	GB
dynamicsoft Inc.	3GPPMEMBER - T1	US
Electronics & Telecommunications Research Institute	3GPPMEMBER - ETSI	KR
Elisa Communications Corporation	3GPPMEMBER - ETSI	FI
Ericsson Incorporated	3GPPMEMBER - T1	US
Ericsson Korea	3GPPMEMBER - TTA	KR
FUJITSU Laboratories of Europe Limited	3GPPMEMBER - ETSI	GB
Fujitsu Limited	3GPPMEMBER - ARIB	JP
Fujitsu Limited	3GPPMEMBER - TTC	JP
GEMPLUS Card International	3GPPMEMBER - ETSI	FR
HEWLETT-PACKARD France	3GPPMEMBER - ETSI	FR
HuaWei Technologies Co., Ltd	3GPPMEMBER - CWTS	CN
Institute for Communications Research	3GPPMEMBER - ETSI	SG
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 Japan Ltd.	3GPPMEMBER - ARIB	JP
Lucent Technologies Nederland B.V.	3GPPMEMBER - ETSI	NL
Lucent Technologies Network Systems UK	3GPPMEMBER - ETSI	GB
Lucent Technologies Networks System GmbH	3GPPMEMBER - ETSI	DE
Matsushita Communication Industrial Co, Ltd	3GPPMEMBER - ARIB	JP
Matsushita Mobile Communication Development of Europe Limited (MMCDE)	3GPPMEMBER - ETSI	GB
Megisto Systems Inc.	3GPPMEMBER - ETSI	US
Mitsubishi Electric Co.	3GPPMEMBER - ARIB	JP
MITSUBISHI Electric Telecom Europe S.A.	3GPPMEMBER - ETSI	FR
mmO2 plc	3GPPMEMBER - ETSI	GB
MOTOROLA A/S	3GPPMEMBER - ETSI	DK
MOTOROLA GmbH	3GPPMEMBER - ETSI	DE
Motorola Inc.	3GPPMEMBER - T1	US
Motorola Japan Ltd	3GPPMEMBER - ARIB	JP
MOTOROLA Ltd	3GPPMEMBER - ETSI	GB
MOTOROLA S.A.S	3GPPMEMBER - ETSI	FR
National Communications System	3GPPMEMBER - ETSI	US

Organisation Name	Organisation Status	Country
NEC Corporation	3GPPMEMBER - ARIB	JP
NEC Corporation	3GPPMEMBER - TTC	JP
NEC EUROPE 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
Norwegian Post and Telecommunications Authority	3GPPMEMBER - ETSI	NO
NTT DoCoMo Inc	3GPPMEMBER - TTC	JP
NTT DoCoMo Inc.	3GPPMEMBER - ARIB	JP
Openwave Systems (N.I.) Ltd	3GPPMEMBER - ETSI	GB
ORANGE FRANCE	3GPPMEMBER - ETSI	FR
ORANGE PCS LTD	3GPPMEMBER - ETSI	GB
Polska Telefonia Komorkowa CENTERTEL Sp.z.o.o.	3GPPMEMBER - ETSI	PL
QUALCOMM EUROPE S.A.R.L.	3GPPMEMBER - ETSI	FR
Research In Motion Limited	3GPPMEMBER - ETSI	CA
RITT	3GPPMEMBER - CWTS	CN
Rogers Wireless Inc.	3GPPMEMBER - T1	CA
Samsung Electronics Ind. Co., Ltd.	3GPPMEMBER - TTA	KR
SAMSUNG Electronics Research Institute	3GPPMEMBER - ETSI	GB
SBC Communications Inc.	3GPPMEMBER - T1	US
SHARP Corporation	3GPPMEMBER - ARIB	JP
SHARP Manufacturing France SA	3GPPMEMBER - ETSI	FR
SIEMENS AG	3GPPMEMBER - ETSI	DE
SIEMENS ATEA NV	3GPPMEMBER - ETSI	BE
Siemens K.K.	3GPPMEMBER - ARIB	JP
SIEMENS Mobile Communications S.p.A.	3GPPMEMBER - ETSI	IT
SK TELECOM	3GPPMEMBER - TTA	KR
Skyworks Solutions Inc.	3GPPMEMBER - T1	US
SONERA Corporation	3GPPMEMBER - ETSI	FI
SONY Corporation	3GPPMEMBER - ARIB	JP
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 - ETSI	US
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
Telenor AS	3GPPMEMBER - ETSI	NO
TELIA AB	3GPPMEMBER - ETSI	SE
Toshiba Corporation, Digital Media Network Company	3GPPMEMBER - ARIB	JP
TruePosition Inc.	3GPPMEMBER - ETSI	US
Unisys Deutschland GmbH	3GPPMEMBER - ETSI	DE
Verticalband Ltd	3GPPMEMBER - ETSI	GB
Vodafone D2 GmbH	3GPPMEMBER - ETSI	DE
VODAFONE Group Plc	3GPPMEMBER - ETSI	GB
VODAFONE LTD	3GPPMEMBER - ETSI	GB

Total: 104 Individual Member Companies

Annex D: Status list of Specifications and Reports after TSG SA Meeting #18

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	GSM Release 1999 Specifications	8.8.0	R99	SP	MEREDITH, John M	
TR	01.04	Abbreviations and acronyms	8.0.0	R99	GP	CLAYTON, Michael	
TR	01.31	Fraud Information Gathering System (FIGS); Service requirements; Stage 0	8.0.0	R99	S3	WRIGHT, Tim	
TR	01.33	Lawful Interception requirements for GSM	8.0.0	R99	S3	MCKIBBEN, Bernie	
TS	01.61	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	
TS	03.33	Lawful Interception; Stage 2	8.1.0	R99	S3	MCKIBBEN, Bernie	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
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	8.17.0	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	
TS	04.56	GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification	8.0.1	R99	N1	HUPPERICH, Peter	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
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	8.10.0	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	
TS	06.22	Comfort Noise Aspects 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	06.31	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	8.0.0	R99	S4	USAI, Paolino	
TS	06.81	Discontinuous Transmission (DTX) for encanced full rate speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	
TS	06.82	Voice Activity Detection (VAD) for encanced full rate speech traffic channels	8.0.1	R99	S4	JÄRVINEN, Kari	
TR	06.85	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation	8.0.0	R99	S4	USAI, Paolino	
TS	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	
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	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
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	8.2.0	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	8.1.0	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; Part1: Conformance specification	8.3.0	R99	G5	SALMERON, Lidia	R99 version now serves all releases. Earlier releases closed.. Subsequently replaced by Rel-5 equivalent. 2001-11-19: G4->G5.
TS	11.10-4	Mobile Station (MS) Conformance Specification; Part 4: SIM Application Toolkit conformance specification	8.1.0	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 SIM API for Java card	8.1.0	R99	T3	LLOBREGAT, Fernando	
TS	11.14	Specification of the SIM Application Toolkit for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	8.12.0	R99	T3	WOODSEND, Kristian	
TS	11.17	SIM test specification	8.0.0	R99	T3	BREMNER, David	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	11.21	Base Station System (BSS) equipment specification; Radio aspects	8.7.0	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	3.10.0	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
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

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
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.
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	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
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	3.12.0	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	3.11.0	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	23.042	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	DELECKI, Andrew	Transfer>TSG#4
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	3.3.0	R99	N4	LOPEZ SORIA, Luis	Transfer>TSG#4, CR at TSG#5
TS	23.067	Enhanced Multi-Level Precedence and 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	3.15.0	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	
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	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
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	HEWSON, Ruth	Transfer>TSG#4,CR at TSG#5
TS	23.101	General UMTS Architecture	3.1.0	R99	S2	OLSSON, Magnus	
TS	23.107	Quality of Service (QoS) concept and architecture	3.9.0	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	WIIK, Rune Werner	03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval)
TR	23.911	Technical report on Out-of-band transcoder control	3.0.1	R99	N4	KYMALAINEN, Kimmo	
TR	23.912	Technical report on Super-Charger	3.1.0	R99	N4	SHARP, Iain	
TR	23.923	Combined GSM and Mobile IP mobility handling in UMTS IP CN	3.0.0	R99	S2	HUBBARD, Elisabeth	
TR	23.925	UMTS Core network based ATM transport	0.2.0	R99	S2	ROUZ, Adel	Oct 00: S2 Secretary indicates this spec is out of date and should be withdrawn.
TR	23.930	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
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	3.14.0	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	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
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)	3.12.0	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	3.11.0	R99	R4	SKÖLD, Johan	
TS	25.105	UTRA (BS) TDD: Radio transmission and reception	3.12.0	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)	3.11.0	R99	R4	GUERRINI, Claudio	
TS	25.133	Requirements for support of radio resource management (FDD)	3.12.0	R99	R4	GUERRINI, Claudio	
TS	25.141	Base station conformance testing (FDD)	3.12.0	R99	R4	NAKAMURA, Takaharu	
TS	25.142	Base station conformance testing (TDD)	3.12.0	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	
TS	25.213	Spreading and modulation (FDD)	3.8.0	R99	R1	CHAMBERS, Peter	
TS	25.214	Physical layer procedures (FDD)	3.11.0	R99	R1	IKEDA, Shinobu	
TS	25.215	Physical layer; Measurements (FDD)	3.11.0	R99	R1	IKEDA, Shinobu	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
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	3.14.0	R99	R2	NEMETHOVA, Olivia	
TS	25.322	Radio Link Control (RLC) protocol specification	3.13.0	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)	3.6.0	R99	R2	HARTL, Mike	
TS	25.331	Radio Resource Control (RRC) protocol specification	3.13.0	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 RANAP signalling	3.12.0	R99	R3	JUSSILA, Jyrki	
TS	25.414	UTRAN Iu interface data transport & transport signalling	3.12.0	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 RNSAP signalling	3.12.0	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	
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	3.12.0	R99	R3	ISHIKAWA, Nobutaka	

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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	25.831	Study Items for future release	0.0.2	R99	R3	DREVON, Nicolas	
TR	25.832	Manifestations of Handover and SRNS relocation	3.0.0	R99	R3	TOWNEND, Richard	
TR	25.833	Physical layer items not for inclusion in Release 99	1.1.0	R99	R1	IKEDA, Shinobu	Created Jan 2000 (aka R1.03)
TR	25.853	Delay budget within the access stratum	3.1.0	R99	R3	DELL'ACQUA, Massimo	Was 25.932. Approved and renumbered at TSG#10.
TR	25.921	Guidelines and principles for protocol description and error handling	3.8.0	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	AMR speech Codec; Interface to Iu and Uu	3.3.0	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	3.4.0	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	
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	3.3.0	R99	S4	HAAVISTO, Petri	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
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	WIIK, Rune Werner	
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	3.5.0	R99	N3	WIIK, Rune Werner	
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	3.5.0	R99	N3	WIIK, Rune Werner	
TS	27.005	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	3.2.0	R99	T2	HARRIS, Ian	
TS	27.007	AT command set for 3G User Equipment (UE)	3.12.0	R99	T2	TOMÉ, Olga	
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	3.15.0	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	3.15.0	R99	N4	KYMALAINEN, Kimmo	
TS	29.061	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	3.11.0	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	3.14.0	R99	N2	NOLDUS, Rogier	Transfer>TSG#4

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	3.2.0	R99	R3	VESELY, Alexander	TSG#8:Appeared as v2.0.0 (RP-000258)
TS	29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)	3.0.0	R99	N4	AIKAWA, Shinichiro	New after TSG#5
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3	3.1.0	R99	N4	MITAMURA, Kazuo	New after TSG#5
TS	29.198	Open Service Architecture (OSI) Application Programming Interface (API) - Part 1	3.4.0	R99	N5	MOERDIJK, Ard-Jan	OSA subgroup. Was incorrectly shown as a TR; fixed @N#9.
TR	29.993	Modifications to be incorporated in equipment to cater for errors in the standards	none	R99	RP	COURAU, François	
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	MOERDIJK, Ard-Jan	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	3.11.0	R99	T3	HEIM, Christian	
TS	31.110	Numbering system for telecommunication IC card applications	3.2.0	R99	T3	DIETRICH, Christian	Sanders April 2001: Will be scrapped in favour of an ETSI SCP document. May 2001: Sanders: "unscrapped". Contents will be change to a reference to ETSI TS 101 220.
TS	31.111	USIM Application Toolkit (USAT)	3.9.0	R99	T3	WOODSEND, Kristian	To include a GSM-specific annex from Rel-4 onwards, thus replacing 11.14.
TS	31.120	UICC-terminal interface; Physical, electrical and logical test specification	3.0.0	R99	T3	MAESER, Torsten	based on R99 core spec; split into 2 parts (this is 1). TSG#11:moved to ETSI-SCP
TS	31.121	UICC-terminal interface; USIM application test specification	3.4.0	R99	T3	AFCHAR, Ramin	based on R99 core spec; split into 2 parts (this is 2)
TS	31.122	USIM conformance test specification	3.5.0	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	BENDER, James	
TS	32.015	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain	3.10.0	R99	S5	LEHNERT, Matthias	
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	NENNER, Karl-Heinz	
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; 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 Point; CORBA solution set version 1:1	3.3.0	R99	S5	TSE, Edwin	TSG#8: split into eight parts
TS	32.106-4	Telecommunication management; Configuration Management (CM); Part 4: Notification Integration Reference Point: CMIP Solution Set Version 1:1	3.2.1	R99	S5	ZHOU, Di	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

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	32.106-6	Telecommunication management; Configuration Management (CM); Part 6: Basic Configuration Management Integration Reference Point (IRP) CORBA solution set version 1:1	3.3.0	R99	S5	ZHOU, Di	TSG#8: split into eight parts
TS	32.106-7	Telecommunication management; Configuration Management (CM); Part 7: Basic Configuration Management Integration Reference Point (IRP) 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: 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: 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: 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	3.10.0	R99	T1	CHALABI, Nouhman	
TS	34.109	Terminal logical test interface; Special conformance testing functions	3.8.0	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)	3.11.0	R99	T1	HIGUCHI, Kenji	
TS	34.122	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	3.10.0	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)	3.0.0	R99	T1	HU, Shicheng	
TS	34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	3.3.0	R99	R4	SOERENSEN, Ole	T1->R4@TSG#10

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
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.
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.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	4.7.0	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	
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

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
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
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	

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	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	4.6.0	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	4.6.0	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	4.6.0	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)	4.3.0	Rel-4	T2	HARRIS, Ian	Transfer>TSG#4
TS	23.042	Compression algorithm for SMS	4.0.1	Rel-4	T2	HARRIS, Ian	
TS	23.048	Security Mechanisms for the (U)SIM application toolkit; Stage 2	4.3.0	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	DELECKI, Andrew	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	4.7.0	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	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
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	HEWSON, Ruth	Transfer>TSG#4,CR at TSG#5
TS	23.101	General UMTS Architecture	4.0.0	Rel-4	S2	OLSSON, Magnus	
TS	23.107	Quality of Service (QoS) concept and architecture	4.6.0	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	4.8.0	Rel-4	T2	LAUMEN, Josef	
TS	23.146	Technical realisation of facsimile Group 3 service - non-transparent	4.1.0	Rel-4	N3	HAGIWARA, Junichiro	
TS	23.153	Out of Band Transcoder Control; Stage 2	4.6.0	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	GARCIA-MENDIVE, Elena	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	23.821	Architecture Principles for Relase 2000	1.0.1	Rel-4	S2	LIND, Christer	New after TSG#5
TR	23.873	Feasibility study fro transport and control separation in the PS CN domain	4.0.0	Rel-4	S2	IBANEZ, Juan-Antonio	
TR	23.874	Feasibility study of architecture for network requested PDP context activation with User-ID	1.3.0	Rel-4	S2	KITADA, Yoshinori	
TR	23.907	Quality of Service (QoS) concept	1.2.0	Rel-4	S2	VACANT,	
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	4.6.0	Rel-4	N3	WIIK, Rune Werner	03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval)
TR	23.911	Technical report on Out-of-band transcoder control	4.0.0	Rel-4	N4	KYMALAINEN, Kimmo	
TR	23.912	Technical report on Super-Charger	4.1.0	Rel-4	N4	SHARP, Iain	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TR	23.925	UMTS Core network based ATM transport	none	Rel-4	S2	ROUZ, Adel	Oct 00: S2 Secretary indicates this spec is out of date and should be withdrawn.
TR	23.930	Iu Principles	4.0.0	Rel-4	S2	AXERUD, Bo	
TS	24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	4.0.0	Rel-4	N1	ANDERSEN, Niels Peter Skov	
TS	24.007	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	4.9.0	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	
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)	4.6.0	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	4.6.0	Rel-4	R4	SKÖLD, Johan	
TS	25.105	UTRA (BS) TDD: Radio transmission and reception	4.6.0	Rel-4	R4	KOTTKAMP, Meik	
TS	25.106	UTRA Repeater; Radio transmission and reception	4.4.0	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)	4.7.0	Rel-4	R4	GUERRINI, Claudio	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	25.133	Requirements for support of radio resource management (FDD)	4.7.0	Rel-4	R4	GUERRINI, Claudio	
TS	25.141	Base station conformance testing (FDD)	4.7.0	Rel-4	R4	NAKAMURA, Takaharu	
TS	25.142	Base station conformance testing (TDD)	4.7.0	Rel-4	R4	MEYER, Juergen	
TS	25.143	UTRA repeater; Conformance testing	4.6.0	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)	4.5.0	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)	4.7.0	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	4.3.0	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	4.7.0	Rel-4	R2	NEMETHOVA, Olivia	
TS	25.322	Radio Link Control (RLC) protocol specification	4.7.0	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)	4.2.0	Rel-4	R2	HARTL, Mike	
TS	25.331	Radio Resource Control (RRC) protocol specification	4.8.0	Rel-4	R2	KUCHIBHOTLA, Ravi	
TS	25.401	UTRAN overall description	4.6.0	Rel-4	R3	CALMEL, Jean-Marie	Approval at TSG#5
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 RANAP signalling	4.7.0	Rel-4	R3	JUSSILA, Jyrki	
TS	25.414	UTRAN Iu interface data transport & transport signalling	4.5.0	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)	4.6.0	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	

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TS	25.423	UTRAN Iur interface RNSAP signalling	4.7.0	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	4.7.0	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	25.837	Hybrid ARQ Type II/III (Iub/Iur aspects)	0.1.0	Rel-4	R3	BRANDT, Achim V.	
TR	25.838	Node B Synchronisation for TDD (Iub/Iur aspects)	4.1.0	Rel-4	R3	LENHART, Johannes	
TR	25.839	Uplink Synchronous Transmission Scheme (USTS) (Iur/Iub aspects)	0.3.0	Rel-4	R3	PARK, Jin Hyo	
TR	25.840	Terminal power saving features	2.3.0	Rel-4	R1	LEE, Ju Ho	
TR	25.841	DSCH power control improvement in soft handover	4.1.0	Rel-4	R1	TOSKALA, Antti	
TR	25.842	Smart antenna	1.0.0	Rel-4	R1	HU, Jinling	
TR	25.843	1,28 Mcps TDD UE Radio Access Capabilities	4.1.0	Rel-4	R2	ZHU, Yifei	
TR	25.844	Radio acces bearer support enhancements	4.3.0	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	25.852	Radio access bearer support enhancements for the Iu	0.0.0	Rel-4	R3	DIESEN, Michael	
TR	25.853	Delay budget within the access stratum	4.0.0	Rel-4	R3	DELL'ACQUA, Massimo	Was 25.932. Approved and renumbered at TSG#10.
TR	25.921	Guidelines and principles for protocol description and error handling	4.5.0	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	

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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	AMR speech Codec; Interface to Iu and Uu	4.0.0	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	4.3.0	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	
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	4.1.0	Rel-4	S4	HAAVISTO, Petri	

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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)	4.8.0	Rel-4	N3	WIIK, Rune Werner	
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	4.0.0	Rel-4	N3	WIIK, Rune Werner	
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	4.1.0	Rel-4	N3	WIIK, Rune Werner	
TS	27.005	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	4.2.0	Rel-4	T2	HARRIS, Ian	
TS	27.007	AT command set for 3G User Equipment (UE)	4.5.0	Rel-4	T2	TOMÉ, Olga	
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	4.10.0	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)	4.6.0	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
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	4.6.0	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)	4.6.0	Rel-4	N3	WILD, Johanna	Former title: "General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet".

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TS	29.078	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	4.7.0	Rel-4	N2	NOLDUS, Rogier	Transfer>TSG#4
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	4.3.0	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	4.3.1	Rel-4	N5	MOERDIJK, Ard-Jan	
TS	29.198-02	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	4.4.0	Rel-4	N5	MOERDIJK, Ard-Jan	
TS	29.198-03	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	4.6.0	Rel-4	N5	BENNETT, Andy	
TS	29.198-04	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	4.5.0	Rel-4	N5	BAKKER, John-Luc	
TS	29.198-05	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	4.5.0	Rel-4	N5		
TS	29.198-06	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	4.4.0	Rel-4	N5	TWEEDIE, David	
TS	29.198-07	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities	4.4.0	Rel-4	N5	SAARENPAA, Matti	
TS	29.198-08	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	4.5.0	Rel-4	N5	UNMEHOPA, Musa	
TS	29.198-11	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	4.3.0	Rel-4	N5	SCHILDERS, Koen	
TS	29.198-12	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	4.3.0	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	4.2.0	Rel-4	N3	SANDERS, David	
TR	29.993	Modifications to be incorporated in equipment to cater for errors in the standards	none	Rel-4	RP	COURAU, François	
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.
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	

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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	30.002	Guidelines for the modification of the Mobile Application Part (MAP)	4.0.1	Rel-4	N4	WIEHE, Ulrich	.
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	31.101	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	4.7.0	Rel-4	T3	HEIM, Christian	
TS	31.110	Numbering system for telecommunication IC card applications	4.1.0	Rel-4	T3	DIETRICH, Christian	Sanders April 2001: Will be scrapped in favour of an ETSI SCP document. May 2001: Sanders: "unscrapped". Contents will be change to a reference to ETSI TS 101 220.
TS	31.111	USIM Application Toolkit (USAT)	4.9.0	Rel-4	T3	WOODSEND, Kristian	To include a GSM-specific annex from Rel-4 onwards, thus replacing 11.14.
TS	31.120	UICC-terminal interface; Physical, electrical and logical test specification	none	Rel-4	T3	MAESER, Torsten	based on R99 core spec; split into 2 parts (this is 1). TSG#11:moved to ETSI-SCP
TS	31.121	UICC-terminal interface; USIM application test specification	4.3.0	Rel-4	T3	AFCHAR, Ramin	based on R99 core spec; split into 2 parts (this is 2)
TS	31.122	USIM conformance test specification	none	Rel-4	T3	KNIGHT, Simon	based on R99 core spec; was originally 31.121 but renumbered whch 31.120 was split into two parts
TS	32.101	Telecommunication management; Principles and high level requirements	4.2.1	Rel-4	S5	TRUSS, Michael	
TS	32.102	Telecommunication management; Architecture	4.2.0	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: Information Service	4.5.0	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: CORBA solution set	4.5.0	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: CMIP solution set	4.4.0	Rel-4	S5	TOVINGER, Thomas	TSG#8: split into 4 parts
TS	32.200	Telecommunication management; Charging management; Charging principles	4.3.0	Rel-4	S5	AHLBÄCK, Hans	
TS	32.205	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	4.3.0	Rel-4	S5	BENDER, James	

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TS	32.215	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	4.4.0	Rel-4	S5	LEHNERT, Matthias	
TS	32.235	Telecommunication management; Charging management; Charging data description for application services	4.4.0	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; Information Service version 1	4.1.1	Rel-4	S5	TSE, Edwin	was 32.301-2
TS	32.303	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point; CORBA solution set version 1:1	4.3.2	Rel-4	S5	TSE, Edwin	was 32.301-3
TS	32.304	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point: CMIP Solution Set Version 1:1	4.2.1	Rel-4	S5	ZHOU, Di	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	4.2.1	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	WILBER, John	Replaces 32.106 (pars).
TS	32.601	Telecommunication management; Configuration Management (CM); Basic 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 Configuration Management Integration Reference Point (IRP) information service	4.1.0	Rel-4	S5	WILBER, John	was 32.601-2
TS	32.603	Telecommunication management; Configuration Management (CM); Basic Configuration Management Integration Reference Point (IRP): CORBA solution set	4.3.1	Rel-4	S5	ZHOU, Di	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	4.2.0	Rel-4	S5	TOVINGER, Thomas	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

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
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): CORBA solution set	4.2.0	Rel-4	S5	ZHOU, Di	was 32.620-3
TS	32.624	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP) 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)	4.2.0	Rel-4	S5	PAL, Tapinder	was 32.621-2
TS	32.633	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): CORBA solution set	4.1.0	Rel-4	S5	ZHOU, Di	was 32.621-3
TS	32.634	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): 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): CORBA solution set	4.1.0	Rel-4	S5	ZHOU, Di	was 32.622-3

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	32.644	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): 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): CORBA solution set	4.1.0	Rel-4	S5	ZHOU, Di	was 32.623-3
TS	32.654	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): 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	33.903	Access Security for IP based services	none	Rel-4	S3	VACANT,	
TR	33.908	3G Security; General report on the design, specification and evaluation of 3GPP standard confidentiality and integrity algorithms	4.0.0	Rel-4	S3	WALKER, Michael	TSG#7: S3-000105=NP-000049
TR	33.909	3G Security; Report on the design and evaluation of the MILENAGE algorithm set; Deliverable 5: An example algorithm for the 3GPP authentication and key generation functions	4.0.1	Rel-4	S3	WALKER, Michael	TSG#7: Is a reference in 33.908. Was withdrawn, but reinstated at TSG#10.
TS	34.108	Common test environments for User Equipment (UE) conformance testing	4.5.0	Rel-4	T1	CHALABI, Nouhman	
TS	34.109	Terminal logical test interface; Special conformance testing functions	4.4.0	Rel-4	R2	BERGGREN, Anders	TSG#7: Will be transferred to RAN2 after approval. TSG#8:txfer is delayed. TSG#9: Stable, so txfered from T1 to R2.
TS	34.121	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	none	Rel-4	T1	HIGUCHI, Kenji	
TS	34.122	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	4.6.0	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	

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TS	34.123-3	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)	none	Rel-4	T1	HU, Shicheng	
TS	34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	4.1.0	Rel-4	R4	SOERENSEN, Ole	T1->R4@TSG#10
TR	34.910	Identification of test requirements for regulatory purposes in different regions/countries	1.0.0	Rel-4	T1	NIELSEN, Bjarke	
TR	34.926	Table of international EMC requirements	4.0.0	Rel-4	R4	FENN, John B	Plan approved TSG#7 TP-000036). T1->R4@TSG#10
TS	35.201	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications	4.1.0	Rel-4	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.203	Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
TS	35.204	Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data	4.0.0	Rel-4	S3	WALKER, Michael	ex SAGE; supplied by ETSI under licence
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	
TS	41.061	General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements	4.0.0	Rel-4	S3	WALKER, Michael	
TS	41.102	GSM Release 4 specifications	4.7.0	Rel-4	SP	MEREDITH, John M	Né 41.001; renumbered at TSG#10.
TS	42.009	Security Aspects	4.0.0	Rel-4	S3	CHRISTOFFERSSON, Per	
TS	42.017	Subscriber Identity Module (SIM); Functional characteristics	4.0.0	Rel-4	T3	HOOKER, Philip	
TS	42.019	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1	4.0.0	Rel-4	T3	DIETRICH, Christian	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.

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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	
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	

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TS	44.018	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	4.12.0	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	4.9.0	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	4.5.0	Rel-4	G1	SÉBIRE, Benoist	
TS	45.003	Channel coding	4.1.0	Rel-4	G1	SÉBIRE, Benoist	
TS	45.004	Modulation	4.2.0	Rel-4	G1	SÉBIRE, Benoist	
TS	45.005	Radio transmission and reception	4.9.0	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	4.3.0	Rel-4	G1	JOKINEN, Harri	
TR	45.022	Radio link management in hierarchical networks	4.0.0	Rel-4	G1	VAN BUSSEL, Han	
TR	45.050	Background for RF Requirements	4.0.1	Rel-4	G1	ANDERSEN, Niels Peter Skov	
TS	45.056	CTS-FP Radio Sub-system	4.0.0	Rel-4	G1	USAI, Paolino	
TS	46.001	Full Rate Speech Processing Functions	4.0.0	Rel-4	S4	USAI, Paolino	
TS	46.002	Half Rate Speech Processing Functions	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	46.006	Half-rate speech: ANSI-C code for GSM half-rate speech codec	4.0.0	Rel-4	S4	AFTELAK, Steve	
TS	46.007	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec	4.0.0	Rel-4	S4	AFTELAK, Steve	
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	

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

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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	4.0.1	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	
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	4.6.0	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	2.0.0	Rel-4	T3	LLOBREGAT, Fernando	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	51.021	GSM radio aspects base station system equipment specification	4.2.0	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.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	5.2.0	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	21.877	Radio optimization impacts on the Packet Switched (PS) domain architecture	0.6.0	Rel-5	S2	LAUTIER, Laurence	
TR	21.900	Technical Specification Group working methods	5.0.1	Rel-5	SP	MEREDITH, John M	
TR	21.905	Vocabulary for 3GPP Specifications	5.5.0	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.

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
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	5.2.0	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
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	5.9.1	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	5.8.0	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	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	22.233	Transparent end-to-end packet-switched streamng service; Stage 1	5.0.0	Rel-5	S1	WOLAK, Stephen	
TR	22.928	IP-based multimedia services examples	none	Rel-5	S1	CATALDO, Mark	
TR	22.941	IP based multimedia framework; Stage 0	0.7.0	Rel-5	S1	WOHLERT, Randolph	
TR	22.944	Service requirements for UE functionality split	5.1.0	Rel-5	S1	GUPTA, Sanjay	
TR	22.976	Study on PS domain services and capabilities	2.0.0	Rel-5	S1	CATALDO, Mark	Created Jan-00
TS	23.002	Network architecture	5.9.0	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	5.3.0	Rel-5	N4	BAUER, Rolf	
TS	23.009	Handover procedures	5.3.0	Rel-5	N1	FARHOUMAND, Rouzbeh	
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	5.5.0	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	23.034	High Speed Circuit Switched Data (HSCSD); Stage 2	5.1.0	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)	5.0.0	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	5.5.0	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	5.4.0	Rel-5	S2	DELECKI, Andrew	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	5.2.0	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	5.1.0	Rel-5	N4	KYMALAINEN, Kimmo	
TS	23.082	Call Forwarding (CF) Supplementary Services; Stage 2	5.0.0	Rel-5	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	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	
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	HEWSON, Ruth	Transfer>TSG#4,CR at TSG#5
TS	23.107	Quality of Service (QoS) concept and architecture	5.7.0	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	5.5.0	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	5.3.0	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	5.4.0	Rel-5	N4	GARCIA-MENDIVE, Elena	2000-10: Rap change from Keutmann.
TS	23.207	End-to-end Quality of Service (QoS) concept and architecture	5.6.0	Rel-5	S2	OYAMA, Johnson	
TS	23.218	IP Multimedia (IM) session handling; IM call model; Stage 2	5.3.0	Rel-5	N1	ALLEN, Andrew	
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	5.7.0	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	23.240	3GPP generic user profile requirements; Stage 2; Architecture	none	Rel-5	S2	UZQUIANO, Nacho	Cf work item 'Generic user profile"
TS	23.271	Location Services (LCS); Functional description; Stage 2	5.5.0	Rel-5	S2	KÅLL, Jan	post-TSG#8: Recombined 2G and 3G spec for R00 onwards.

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	23.278	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	5.1.0	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	5.2.0	Rel-5	N3	WIIK, Rune Werner	03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval)
TR	23.955	Virtual Home Environment (VHE) concepts	0.1.0	Rel-5	S2	SULTAN, Alain	
TS	24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	5.0.0	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
TS	24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	5.6.0	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	5.1.0	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	5.3.0	Rel-5	N1	KISS, Krisztian	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	24.229	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	5.3.0	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)	5.5.0	Rel-5	R4	FERNANDES, Edgar	
TS	25.102	UTRA (UE) TDD; Radio transmission and reception	5.3.0	Rel-5	R4	KOTTKAMP, Meik	
TS	25.104	UTRA (BS) FDD; Radio transmission and reception	5.5.0	Rel-5	R4	SKÖLD, Johan	
TS	25.105	UTRA (BS) TDD: Radio transmission and reception	5.3.0	Rel-5	R4	KOTTKAMP, Meik	
TS	25.106	UTRA Repeater; Radio transmission and reception	5.3.0	Rel-5	R4	NILSSON, Martin	
TS	25.113	Base station and repeater electromagnetic compatibility (EMC)	5.3.0	Rel-5	R4	BARNES, David	
TS	25.123	Requirements for support of radio resource management (TDD)	5.3.0	Rel-5	R4	GUERRINI, Claudio	
TS	25.133	Requirements for support of radio resource management (FDD)	5.5.0	Rel-5	R4	GUERRINI, Claudio	
TS	25.141	Base station conformance testing (FDD)	5.5.0	Rel-5	R4	NAKAMURA, Takaharu	
TS	25.142	Base station conformance testing (TDD)	5.3.0	Rel-5	R4	MEYER, Juergen	
TS	25.143	UTRA repeater; Conformance testing	5.3.0	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)	5.3.0	Rel-5	R1	TANAKA, Yoshinori	
TS	25.213	Spreading and modulation (FDD)	5.2.0	Rel-5	R1	CHAMBERS, Peter	
TS	25.214	Physical layer procedures (FDD)	5.3.0	Rel-5	R1	IKEDA, Shinobu	
TS	25.215	Physical layer; Measurements (FDD)	5.2.0	Rel-5	R1	IKEDA, Shinobu	
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	5.3.0	Rel-5	R1	HIRAMATSU, Katsuhiko	
TS	25.222	Multiplexing and channel coding (TDD)	5.3.0	Rel-5	R1	KAHTAVA, Jussi	
TS	25.223	Spreading and modulation (TDD)	5.2.0	Rel-5	R1	VACANT,	
TS	25.224	Physical layer procedures (TDD)	5.3.0	Rel-5	R1	OESTREICH, Stefan	
TS	25.225	Physical layer; Measurements (TDD)	5.3.0	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	5.3.0	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	5.4.0	Rel-5	R2	MIHAILESCU, Claudiu	Created from 25.923
TS	25.306	UE Radio Access capabilities definition	5.3.0	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 (HSPDA); Overall description; Stage 2	5.3.0	Rel-5	R2	KUCHIBHOTLA, Ravi	TS created from entrails of TR 25.855.
TS	25.321	Medium Access Control (MAC) protocol specification	5.3.0	Rel-5	R2	NEMETHOVA, Olivia	
TS	25.322	Radio Link Control (RLC) protocol specification	5.3.0	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)	5.2.0	Rel-5	R2	HARTL, Mike	
TS	25.331	Radio Resource Control (RRC) protocol specification	5.3.0	Rel-5	R2	KUCHIBHOTLA, Ravi	
TS	25.401	UTRAN overall description	5.5.0	Rel-5	R3	CALMEL, Jean-Marie	Approval at TSG#5

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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 RANAP signalling	5.3.0	Rel-5	R3	JUSSILA, Jyrki	
TS	25.414	UTRAN Iu interface data transport & transport signalling	5.3.0	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)	5.2.0	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	
TS	25.423	UTRAN Iur interface RNSAP signalling	5.4.0	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	5.3.0	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	5.3.0	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	5.3.0	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	5.4.0	Rel-5	R3	LIN, Ie-Hong	
TR	25.854	Uplink Synchronous Transmission Scheme (USTS)	5.0.0	Rel-5	R1	KIM, Duk Kyung	
TR	25.856	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	25.858	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	25.867	Feasibility study for wideband distribution systems in 3rd generation networks	1.0.0	Rel-5	R4	MATARASSO, Carlo	

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TR	25.868	Node B synchronization for 1,28 Mcps TDD	5.0.1	Rel-5	R1	HU, Jinling	
TR	25.869	Transmitter diversity solutions for multiple antennas	1.0.2	Rel-5	R1	KIM, Sung-Jin	
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	25.876	Multiple-Input Multiple-Output Antenna Processing for HSDPA	1.1.0	Rel-5	R1	HUANG, Howard	
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	Traffic termination point swapping	5.0.0	Rel-5	R3	ISOKANGAS, Jari	
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	25.890	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	
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	
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	25.951	Base Station classification (FDD)	1.1.0	Rel-5	R4	SÄYNÄJÄKANGAS, Tuomo	
TR	25.952	Base Station classification (TDD)	5.1.0	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	
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	
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	5.0.0	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	

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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	AMR speech Codec; Interface to Iu and Uu	5.1.0	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	5.0.0	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 (AMR) Wideband speech codec	5.5.0	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	
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 (AMR) wideband speech codec	5.0.0	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.

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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	5.3.0	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	5.1.0	Rel-5	S4	OJALA, Pasi	
TR	26.911	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide	5.0.0	Rel-5	S4	HAAVISTO, Petri	
TR	26.937	Transparent end-to-end packet switched streaming service (PSS); RTP usage model	1.2.0	Rel-5	S4	VARSA, Viktor	
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)	5.4.0	Rel-5	N3	WIIK, Rune Werner	
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	5.0.0	Rel-5	N3	WIIK, Rune Werner	
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	5.0.0	Rel-5	N3	WIIK, Rune Werner	
TS	27.005	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)	5.2.0	Rel-5	T2	TOMÉ, Olga	
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
TS	27.103	Wide Area Network Synchronization	5.0.0	Rel-5	T2	CHAU, Alan	
TS	27.104	vObjects and other constructs for data synchronization	0.1.1	Rel-5	T2	LOCKHART, Rob	TP-14: may be merged with 24.241
TS	27.241	3GPP generic user profile requirements; Stage 3; Access; Common objects	none	Rel-5	T2	LOCKHART, Rob	Cf work item 'Generic user profile" - may be renumbered to 24.241
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	5.4.0	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)	5.4.0	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??)

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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	5.4.0	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)	5.4.0	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	5.2.0	Rel-5	N2	NOLDUS, Rogier	Transfer>TSG#4
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	5.2.0	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	29.162	Interworking between the IM CN subsystem and IP networks	1.0.0	Rel-5	N3	HOLLAND, Nigel	
TS	29.198-01	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	5.1.0	Rel-5	N5	MOERDIJK, Ard-Jan	
TS	29.198-02	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	5.1.1	Rel-5	N5	MOERDIJK, Ard-Jan	
TS	29.198-03	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	5.1.0	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	5.1.0	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 SCF	5.1.0	Rel-5	N5	BAKKER, John-Luc	
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	5.1.0	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 data SCF	5.1.0	Rel-5	N5	BAKKER, John-Luc	
TS	29.198-05	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction	5.1.0	Rel-5	N5		
TS	29.198-06	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility	5.1.0	Rel-5	N5	TWEEDIE, David	
TS	29.198-07	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities	5.2.0	Rel-5	N5	SAARENPAA, Matti	

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TS	29.198-08	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control	5.1.0	Rel-5	N5	UNMEHOPA, Musa	
TS	29.198-11	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management	5.1.0	Rel-5	N5	SCHILDERS, Koen	
TS	29.198-12	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging	5.1.0	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 13: 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	5.2.0	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	5.2.0	Rel-5	N3	YOKOTA, Daisuke	
TS	29.228	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	5.2.0	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	5.2.0	Rel-5	N4	PALLARES LÓPEZ, Miguel Angel	2nd rapporteur: CZOMA, Balazs.
TS	29.232	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	5.4.0	Rel-5	N4	PARK, Ian David Chalmers	Additional rapporteur: Laura.Pomponi@CSELT.IT
TS	29.240	3GPP generic user profile requirements; Stage 3; Network	none	Rel-5	N4	KYMALAINEN, Kimmo	Cf work item 'Generic user profile" - may be renumbered to 27.241
TS	29.278	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification for IP Multimedia Subsystems (IMS)	5.1.0	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	5.2.1	Rel-5	N4	BERRY, Nigel. H	
TS	29.329	Sh interface based on the Diameter protocol	5.2.0	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	5.0.0	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	29.993	Modifications to be incorporated in equipment to cater for errors in the standards	none	Rel-5	RP	COURAU, François	
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.
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	

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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	30.002	Guidelines for the modification of the Mobile Application Part (MAP)	5.0.0	Rel-5	N4	WIEHE, Ulrich	.
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	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	5.3.0	Rel-5	T3	HEIM, Christian	
TS	31.103	Characteristics of the ISIM application	5.2.0	Rel-5	T3	N, A	
TS	31.111	USIM Application Toolkit (USAT)	5.3.0	Rel-5	T3	WOODSEND, Kristian	To include a GSM-specific annex from Rel-4 onwards, thus replacing 11.14.
TS	31.112	USAT Interpreter Architecture Description; Stage 2	5.2.0	Rel-5	T3	N, A	
TS	31.113	USAT interpreter byte codes	5.4.0	Rel-5	T3	N, A	
TS	31.114	USAT interpreter protocol and administration	5.2.0	Rel-5	T3	MEYER, Michael	
TR	31.900	SIM/USIM internal and external interworking aspects	5.1.0	Rel-5	T3	KALINER, Stefan	
TS	32.101	Telecommunication management; Principles and high level requirements	5.2.0	Rel-5	S5	TRUSS, Michael	
TS	32.102	Telecommunication management; Architecture	5.2.0	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: Information Service	5.2.0	Rel-5	S5	SCHMIDT, Joerg	TSG#8: split into 4 parts
TS	32.111-3	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set	5.2.0	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: CMIP solution set	5.3.0	Rel-5	S5	TOVINGER, Thomas	TSG#8: split into 4 parts
TS	32.200	Telecommunication management; Charging management; Charging principles	5.2.0	Rel-5	S5	AHLBÄCK, Hans	
TS	32.205	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	5.2.0	Rel-5	S5	BENDER, James	

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TS	32.215	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	5.2.0	Rel-5	S5	LEHNERT, Matthias	
TS	32.225	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)	5.1.0	Rel-5	S5	SHARON, Ariel	
TS	32.235	Telecommunication management; Charging management; Charging data description for application services	5.1.0	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; Information Service version 1	5.0.2	Rel-5	S5	TSE, Edwin	was 32.301-2
TS	32.303	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point; CORBA solution set version 1:1	5.1.2	Rel-5	S5	TSE, Edwin	was 32.301-3
TS	32.304	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point: CMIP Solution Set Version 1:1	5.2.1	Rel-5	S5	ZHOU, Di	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); Corba solution set	5.0.1	Rel-5	S5	TSE, Edwin	
TS	32.324	Telecommunication management; Test management Integration Reference Point (IRP); 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	5.1.0	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	WILBER, John	Replaces 32.106 (pars).
TS	32.601	Telecommunication management; Configuration Management (CM); Basic 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 Configuration Management Integration Reference Point (IRP) information service	5.0.0	Rel-5	S5	WILBER, John	was 32.601-2

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TS	32.603	Telecommunication management; Configuration Management (CM); Basic Configuration Management Integration Reference Point (IRP): CORBA solution set	5.0.0	Rel-5	S5	ZHOU, Di	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	TOVINGER, Thomas	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	5.1.0	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	5.0.0	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
TS	32.623	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): CORBA solution set	5.0.0	Rel-5	S5	ZHOU, Di	was 32.620-3
TS	32.624	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP) 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)	5.1.0	Rel-5	S5	PAL, Tapinder	was 32.621-2

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TS	32.633	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): CORBA solution set	5.1.0	Rel-5	S5	ZHOU, Di	was 32.621-3
TS	32.634	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): 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): CORBA solution set	5.0.0	Rel-5	S5	ZHOU, Di	was 32.622-3
TS	32.644	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): 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	
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): CORBA solution set	5.0.1	Rel-5	S5	ZHOU, Di	was 32.623-3
TS	32.654	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): 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	WILBER, John	
TS	32.662	Telecommunication management; Configuration Management (CM); Kernel CM information service	5.0.0	Rel-5	S5	WILBER, John	
TS	32.663	Telecommunication management; Configuration Management (CM); Kernel CM CORBA solution set	5.0.0	Rel-5	S5	PAL, Tapinder	

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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	ZHOU, Di	
TS	32.672	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Information service	5.0.0	Rel-5	S5	ZHOU, Di	
TS	32.673	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): CORBA Solution set	5.0.0	Rel-5	S5	ZHOU, Di	
TS	32.674	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): CMIP Solution set	5.0.0	Rel-5	S5	ZHOU, Di	
TS	32.691	Telecommunication management; Inventory management network resources Integration Reference Point (IRP): Requirements	5.0.0	Rel-5	S5	PAL, Tapinder	
TS	32.692	Telecommunication management; Inventory management network resources Integration Reference Point (IRP): Network resource model	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)	5.2.0	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	33.201	Access domain security	none	Rel-5	S3	POPE, Maurice	
TS	33.203	3G security; Access security for IP-based services	5.4.0	Rel-5	S3	BOMAN, Krister	
TS	33.210	3G security; Network Domain Security (NDS); IP network layer security	5.2.0	Rel-5	S3	KOIEN, Geir	2001-05-24: 33.200 split into MAP (33.200) and IP (33.210).
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,	
TS	34.109	Terminal logical test interface; Special conformance testing functions	5.2.0	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	5.2.0	Rel-5	T1	SALMERON, Lidia	
TS	34.123-2	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	5.2.0	Rel-5	T1	HU, Shicheng	
TS	34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	5.2.0	Rel-5	R4	SOERENSEN, Ole	T1->R4@TSG#10

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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
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	GSM Release 5 specifications	5.2.0	Rel-5	SP	MEREDITH, John M	
TS	42.019	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1	5.0.0	Rel-5	T3	DIETRICH, Christian	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	5.5.0	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	

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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	
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.
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	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	5.0.0	Rel-5	G2	HOWELL, Andrew	
TS	44.018	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	5.8.0	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	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
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	5.4.0	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	5.2.0	Rel-5	G2	VIRTEJ, Iuliana	
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	5.2.0	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	5.7.0	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	5.6.0	Rel-5	G1	SAMUELSSON, Mats	
TS	45.008	Radio subsystem link control	5.8.0	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	5.1.0	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	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
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	
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	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
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	5.5.1	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	
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	5.0.0	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	5.1.0	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	5.1.0	Rel-5	G5	HU, Shicheng	2001-11-19: G4->G5.
TS	51.013	Test specification for SIM API for Java card	none	Rel-5	T3	LLOBREGAT, Fernando	
TS	51.021	GSM radio aspects base station system equipment specification	5.1.0	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	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	52.402	Telecommunication management; Performance Management (PM); Performance measurements - GSM	none	Rel-5	S5	TOCHE, Christian	SP-13: replaces 32.402.

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	6.1.0	Rel-6	S1	ZARRI, Michele	
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	6.2.0	Rel-6	S1	WOHLERT, Randolph	Transfer>TSG#4
TS	22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	6.0.0	Rel-6	S1	GRECH, Michel	
TS	22.101	Service aspects; Service principles	6.2.0	Rel-6	S1	DWYER, Paul	
TS	22.105	Services and service capabilities	6.0.0	Rel-6	S1	EVEN, Anne	
TS	22.127	Service Requirement for the Open Services Access (OSA); Stage 1	6.2.0	Rel-6	S1	SWETINA, Joerg	
TS	22.140	Multimedia Messaging Service (MMS); Stage 1	6.0.0	Rel-6	S1	LAUMEN, Josef	(development in T2)
TS	22.141	Presence service; Stage 1	6.1.0	Rel-6	S1	WOHLERT, Randolph	
TS	22.146	Multimedia Broadcast/Multicast Service (MBMS); Stage 1	6.1.0	Rel-6	S1	JARVIS, Andre	Replaces 22.946. Note that stage 2 is 23.246.
TS	22.174	Push service; Stage 1	6.1.0	Rel-6	S1	WOLAK, Stephen	
TS	22.228	Service requirements for the Internet Protocol (IP) multimedia core network subsystem; Stage 1	6.1.0	Rel-6	S1	CATALDO, Mark	
TS	22.233	Transparent end-to-end packet-switched streamng service; Stage 1	6.1.0	Rel-6	S1	WOLAK, Stephen	
TS	22.242	Digital Rights Management (DRM); Stage 1	6.1.0	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	6.1.0	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	6.0.0	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	6.1.0	Rel-6	S1	GARRAHAN, James	Additional rapporteur: B Pramanik (Telcordia).
TR	22.951	Service aspects and requirements for network sharing	6.0.0	Rel-6	S1	ZARRI, Michele	
TR	22.977	Feasibility study for speech-enabled services	6.0.0	Rel-6	S1	ZARRI, Michele	
TS	23.040	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)	6.0.0	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.

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
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	6.0.0	Rel-6	T2	LAUMEN, Josef	
TR	23.141	Presence service; Architecture and functional description; Stage 2	6.1.0	Rel-6	S2	MAANSAARI, Kirsi	
TS	23.228	IP Multimedia Subsystem (IMS); Stage 2	6.0.1	Rel-6	S2	TOWLE, Thomas	
TS	23.271	Location Services (LCS); Functional description; Stage 2	6.2.0	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	6.0.0	Rel-6	S2	PUDNEY, Chris	
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	6.0.0	Rel-6	R4	SKÖLD, Johan	
TS	25.133	Requirements for support of radio resource management (FDD)	6.0.0	Rel-6	R4	GUERRINI, Claudio	
TS	25.141	Base station conformance testing (FDD)	6.0.0	Rel-6	R4	NAKAMURA, Takaharu	
TR	25.942	RF system scenarios	6.0.0	Rel-6	R4	BENABDALLAH, Nadia	Additional rapporteur = A.De Pasquale.
TR	25.993	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	6.0.0	Rel-6	R2	FAUCONNIER, Denis	
TS	27.007	AT command set for 3G User Equipment (UE)	6.1.0	Rel-6	T2	TOMÉ, Olga	
TS	29.002	Mobile Application Part (MAP) specification	6.0.0	Rel-6	N4	WIEHE, Ulrich	
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	6.0.0	Rel-6	T3	HEIM, Christian	
TS	31.103	Characteristics of the ISIM application	6.0.0	Rel-6	T3	N, A	
TS	31.113	USAT interpreter byte codes	6.1.0	Rel-6	T3	N, A	
TS	31.115	Secured packet structure for (U)SIM Toolkit applications	6.2.0	Rel-6	T3	VIALLET, Sophie	additional rapporteur: Florence Martin.
TS	31.116	Remote APDU Structure for (U)SIM Toolkit applications	6.2.0	Rel-6	T3	VIALLET, Sophie	additional rapporteur: Florence Martin
TS	31.131	C-language binding for (U)SIM API	6.0.0	Rel-6	T3	TON, Wim	Test spec is 34.131.
TS	32.421	Telecommunication management; Subscriber and equipment trace: Trace concepts and requirements	6.0.0	Rel-6	S5	KORINEK, Frank	
TS	33.108	3G security; Handover interface for Lawful Interception (LI)	6.0.0	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	6.0.0	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	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	44.018	Mobile radio interface layer 3 specification; Radio Resource Control Protocol	6.0.0	Rel-6	G2	HOWELL, Andrew	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
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	6.0.0	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	45.005	Radio transmission and reception	6.0.0	Rel-6	G1	SAMUELSSON, Mats	
TS	45.008	Radio subsystem link control	6.0.0	Rel-6	G1	EL-SAIGH, Amer	
TR	45.050	Background for RF Requirements	6.0.0	Rel-6	G1	ANDERSEN, Niels Peter Skov	
TS	48.008	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	6.0.0	Rel-6	G2	ANDERSEN, Niels Peter Skov	
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	
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 (or identified for) to 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	0.1.0	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 ...".

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	23.234	3GPP system to Wireles Local Area Network (WLAN) interworking; Functional and architectural definition	1.3.0	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	23.917	Dynamic policy control enhancements for End to end Quality of Service (QoS); Feasibility study	0.4.1	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	
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	0.3.0	Rel-6	N1	DRAGE, Keith	
TS	25.346	Introduction of Multimedia Broadcast/Multicast Service (MBMS) in the Radio Access Network (RAN)	1.1.0	Rel-6	R2	KOULAKIOTIS, Dimitris	
TR	25.885	UMTS 1800 / 1900 MHz work items report	1.1.0	Rel-6	R4	NUMMINEN, Jussi	RP-17: withdrawn. RP-18 unwithdrawn.
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	0.1.1	Rel-6	R3	HWANG, Woonhee	
TR	25.892	Analysis of OFDM for UTRAN enhancement	none	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	none	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	none	Rel-6	R3	HWANG, Woonhee	
TR	25.898	Power control enhancements for UTRA	none	Rel-6	R1	MITRA, Diptendu	
TR	25.898	HSDPA enhancements	none	Rel-6	R1	FUKUI, Noriyuki	
TR	25.992	Multimedia Broadcast/Multicast Service (MBMS); UTRAN/GERAN requirements	none	Rel-6	RP	KOULAKIOTIS, Dimitris	
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)	none	Rel-6	S4	FRANCESCHI, Olle	
TS	26.245	Transparent end-to-end transparent streaming service; Timed text format	none	Rel-6	S4	FRANCESCHI, Olle	
TS	29.163	Interworking between the IM CN subsystem and CS networks	none	Rel-6	N3	SANDERS, David	
TS	29.163	Interworking between the IM CN subsystem and CS networks	none	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	29.332	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.

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
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	
TR	29.962	Signalling interworking between the 3GPP profile of the Session Initiation Protocol (SIP) and non-3GPP SIP usage	1.0.0	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	USAT interpreter protocol and administration	none	Rel-6	T3	MEYER, Michael	
TS	32.140	Telecommunication management; Services operations management; Subscription management requirements	1.1.1	Rel-6	S5	CARYER, Geoffrey	
TS	32.141	Telecommunication management; Services operations management; Subscription management architecture	none	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	TOCHE, Christian	
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); 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	RONKA, Kari	
TS	32.663	Telecommunication management; Configuration Management (CM); Kernel CM CORBA solution set	none	Rel-6	S5	PAL, Tapinder	
TS	32.664	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	none	Rel-6	S5	POLLAKOWSKI, Olaf	
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): CORBA solution set	none	Rel-6	S5	PAL, Tapinder	

Type	Number	Title	Ver at TSG#18	Rel	TSG/ WG	Editor	Comment
TS	32.684	Telecommunication management; Inventory management; Inventory management Integration Reference Point (IRP): 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	34.131	Test specification for C-language binding for (U)SIM API	1.0.0	Rel-6	T3	GUTHERY, Scott B.	Base spec is 31.131.
TS	41.104	GSM Release 6 specifications	none	Rel-6	SP	MEREDITH, John M	
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.
TR	45.902	Flexible layer 1	0.3.0	Rel-6	G1	SÉBIRE, Benoist	
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	

Annex E: List of Change Requests and their status after TSG SA Meeting #18

E.1 CRs from SA WG1

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020657	22.071	047		6.1.0	Rel-6	'Service Type'	approved	C	6.2.0	Location Services (LCS); Stage 1
SP-020652	22.127	058		5.4.0	Rel-5	Event notification mechanism to inform applications about new SCS	approved	F	5.5.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-020814	22.140	019	1	5.3.0	Rel-5	Storage of configuration information on the (U)SIM - for Rel 5	approved	A	5.4.0	Multimedia Messaging Service (MMS); Stage 1
SP-020659	22.127	064		6.1.0	Rel-6	Framework Function for Federation	approved	B	6.2.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-020661	22.174	004		6.0.0	Rel-6	Push Delivery Class	approved	C	6.1.0	Push service; Stage 1
SP-020654	21.905	043		6.0.0	Rel-6	Update to 3GPP TR 21.905, Vocabulary for 3GPP Specifications	approved	F	6.1.0	Vocabulary for 3GPP Specifications
SP-020661	22.174	002		6.0.0	Rel-6	Removal of Media from Charging Parameters	approved	C	6.1.0	Push service; Stage 1
SP-020647	22.038	012		5.2.0	Rel-6	USAT requirements Reintroduction of requirements	rejected	B		USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1
SP-020662	22.233	005		6.0.0	Rel-6	Interaction MSS/PSS	approved	B	6.1.0	Transparent end-to-end packet-switched streamng service; Stage 1
SP-020667	22.950	001		6.0.0	Rel-6	RAN-T changes	approved	D	6.1.0	Priority service feasibility study
SP-020667	22.950	002		6.0.0	Rel-6	Priority Trunk Queuing High Level Requirement	approved	B	6.1.0	Priority service feasibility study
SP-020659	22.127	059		6.1.0	Rel-6	OSA interfaces at different levels of abstractions	approved	B	6.2.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-020817	22.078	153	-	5.8.0	Rel-6	Enhanced CSE capability for Dialled Services	approved	C	6.0.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-020662	22.233	008		6.0.0	Rel-6	PSS Charging	approved	B	6.1.0	Transparent end-to-end packet-switched streamng service; Stage 1
SP-020653	22.078	152		5.8.0	Rel-5	CAMEL: Removal of media type as a trigger criterion for CAMEL/IMS	approved	F	5.9.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-020664	22.243	001		6.0.0	Rel-6	Removal of references	approved	F	6.1.0	Speech recognition framework for automated voice services; Stage 1
SP-020662	22.233	003		6.0.0	Rel-6	Streaming metrics	approved	B	6.1.0	Transparent end-to-end packet-switched streamng service; Stage 1
SP-020647	22.038	009		3.2.0	R99	USAT requirements R99	rejected	F		USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1
SP-020660	22.140	020		5.3.0	Rel-6	Requirements for the MMS charging models and charging mechanisms	approved	B	6.0.0	Multimedia Messaging Service (MMS); Stage 1
SP-020666	22.101	109		6.1.0	Rel-6	WLAN interworking	approved	B	6.2.0	Service aspects; Service principles
SP-020655	22.066	004		5.0.0	Rel-6	IMS number portability	approved	B	6.0.0	Support of Mobile Number Portability (MNP); Stage 1
SP-020649	22.140	018		4.2.0	Rel-4	Storage of configuration information on the (U)SIM - for Rel 4	revised	F		Multimedia Messaging Service (MMS); Stage 1
SP-020659	22.127	063		6.1.0	Rel-6	Network functions for end-user/application interaction support	approved	B	6.2.0	Service Requirement for the Open Services Access (OSA); Stage 1

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020660	22.140	023		5.3.0	Rel-6	[MMS] CR to 22.140 for Release 6	rejected	B		Multimedia Messaging Service (MMS); Stage 1
SP-020653	22.078	151		5.8.0	Rel-5	CAMEL: Remove References to the old Annex A in 22.078	approved	F	5.9.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-020660	22.140	022		5.3.0	Rel-6	Requirement for preventing the loop of MM	approved	B	6.0.0	Multimedia Messaging Service (MMS); Stage 1
SP-020662	22.233	009		6.0.0	Rel-6	Declaration of Content Cache	approved	B	6.1.0	Transparent end-to-end packet-switched streamng service; Stage 1
SP-020661	22.174	001		6.0.0	Rel-6	Removal of Note	approved	F	6.1.0	Push service; Stage 1
SP-020660	22.140	021		5.3.0	Rel-6	Additional feature for the MMS charging model	approved	B	6.0.0	Multimedia Messaging Service (MMS); Stage 1
SP-020665	22.934	002		6.0.0	Rel-6	WLAN-LCS interworking requirement	approved	B	6.1.0	Feasibility study on 3GPP system to Wireles Local Area Network (WLAN) interworking
SP-020662	22.233	007		6.0.0	Rel-6	Clarification of Transport Requirements	approved	B	6.1.0	Transparent end-to-end packet-switched streamng service; Stage 1
SP-020649	22.140	019		5.3.0	Rel-5	Storage of configuration information on the (U)SIM - for Rel 5	revised	A		Multimedia Messaging Service (MMS); Stage 1
SP-020661	22.174	003		6.0.0	Rel-6	Removal of void reference	approved	D	6.1.0	Push service; Stage 1
SP-020658	22.101	107		6.1.0	Rel-6	IMS number portability rev of 1909	approved	B	6.2.0	Service aspects; Service principles
SP-020653	22.078	150		5.8.0	Rel-5	LS on Disappearance of CN2 endorsed CAMEL4 22.078 CR	approved	F	5.9.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1
SP-020661	22.174	005		6.0.0	Rel-6	Revision of Requirments for One-Off Charging	approved	D	6.1.0	Push service; Stage 1
SP-020651	22.101	112		5.7.0	Rel-5	Support of SIM and USIM in REL-5	approved	F	5.8.0	Service aspects; Service principles
SP-020658	22.101	108		6.1.0	Rel-6	Emergency calls	approved	B	6.2.0	Service aspects; Service principles
SP-020665	22.934	001		6.0.0	Rel-6	WLAN: Clarification of support of APNs for Scenario 3, 4 and 5	approved	F	6.1.0	Feasibility study on 3GPP system to Wireles Local Area Network (WLAN) interworking
SP-020647	22.038	011		5.2.0	Rel-5	USAT requirements Rel-5	rejected	A		USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1
SP-020659	22.127	061		6.1.0	Rel-6	Enhancements to IP Session Function in OSA for the control and monitor of IP Flows (Follow up from S1-021927)	approved	C	6.2.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-020650	22.101	111		6.1.0	Rel-6	SIM access to IMS Rel6	rejected	A		Service aspects; Service principles
SP-020656	22.067	004		5.0.0	Rel-6	Priority Service	approved	C	6.0.0	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1
SP-020666	21.905	044		6.0.0	Rel-6	introduce WLAN terminology	approved	B	6.1.0	Vocabulary for 3GPP Specifications
SP-020659	22.127	060		6.1.0	Rel-6	Introduction of migration support mechanism	approved	B	6.2.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-020667	22.950	005		6.0.0	Rel-6	Priority Call Origination and Termination High Level Requirements Clarification	approved	D	6.1.0	Priority service feasibility study
SP-020667	22.950	004		6.0.0	Rel-6	Coexistence of Priority Service and eMLPP in the same network	approved	B	6.1.0	Priority service feasibility study
SP-020651	22.101	113		6.1.0	Rel-6	Support of SIM and USIM in REL-6	approved	A	6.2.0	Service aspects; Service principles
SP-020662	22.233	004		6.0.0	Rel-6	DRM requirement for streaming	approved	B	6.1.0	Transparent end-to-end packet-switched streamng service; Stage 1
SP-020667	22.950	003		6.0.0	Rel-6	Changes to Emergency Calls Interactions	approved	F	6.1.0	Priority service feasibility study
SP-020659	22.127	062		6.1.0	Rel-6	User Profile	approved	B	6.2.0	Service Requirement for the Open Services Access (OSA); Stage 1
SP-020662	22.233	006		6.0.0	Rel-6	Asset Information in File Format	approved	B	6.1.0	Transparent end-to-end packet-switched streamng service; Stage 1
SP-020663	22.243	002		6.0.0	Rel-6	Codecs used for speech recognition framework	rejected	F		Speech recognition framework for automated voice services; Stage 1

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020814	22.140	018	1	4.2.0	Rel-4	Storage of configuration information on the (U)SIM - for Rel 4	revised	F		Multimedia Messaging Service (MMS); Stage 1
SP-020843	22.140	018	2	4.2.0	Rel-4	Storage of configuration information on the (U)SIM - for Rel 4	approved	F	4.3.0	Multimedia Messaging Service (MMS); Stage 1
SP-020648	22.135	010	1	4.1.0	Rel-4	CR to 22.135 Corrections on terminology	approved	F	4.2.0	Multicall; Service description; Stage 1
SP-020657	22.071	048		6.1.0	Rel-6	Handling of privacy checks for Network Induced Location Requests	approved	C	6.2.0	Location Services (LCS); Stage 1
SP-020647	22.038	010		4.1.0	Rel-4	USAT requirements Rel-4	rejected	A		USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1
SP-020650	22.101	110		5.7.0	Rel-5	SIM access to IMS Rel5	rejected	F		Service aspects; Service principles

E.2 CRs from SA WG2

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020773	23.141	031		6.0.0	Rel-6	Presence attributes	approved	F	6.1.0	Presence service; Architecture and functional description; Stage 2
SP-020769	23.271	135		6.1.0	Rel-6	Privacy procedure correction	approved	A	6.2.0	Location Services (LCS); Functional description; Stage 2
SP-020827	23.002	111	1	4.5.0	Rel-4	Scope of TS 23.002	approved	F	4.6.0	Network architecture
SP-020768	23.060	418		5.3.0	Rel-5	SMS over PS in Iu mode	approved	F	5.4.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020771	23.032	003	2	4.0.0	Rel-4	Coding of Maximum Offset and Included angle	approved	A	4.1.0	Universal Geographical Area Description (GAD)
SP-020827	23.002	112	1	5.8.0	Rel-5	Scope of TS 23.002	approved	F	5.9.0	Network architecture
SP-020768	23.060	419		5.3.0	Rel-5	Re-use of TEID	approved	F	5.4.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020776	23.228	204	4	5.6.0	Rel-5	Clarification on MRFP reference point	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020776	23.228	221	1	5.6.0	Rel-5	Clarification on the ISC interface	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020776	23.228	213	1	5.6.0	Rel-5	Description of "Service Profile"	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020769	23.271	137		6.1.0	Rel-6	Handling of codeword in case of combined periodical/deferred MT-LR	approved	A	6.2.0	Location Services (LCS); Functional description; Stage 2
SP-020770	23.002	115	1	5.8.0	Rel-5	Corrections in the LCS figures	revised	F		Network architecture
SP-020775	23.221	038	1	5.6.0	Rel-5	Completion of recent change on CS domain signalling requirements	approved	F	5.7.0	Architectural requirements
SP-020774	23.207	044	3	5.5.0	Rel-5	Alignment with stage 3 - DS control over Go	revised	F		End-to-end Quality of Service (QoS) concept and architecture
SP-020769	23.271	108	1	4.7.0	Rel-4	Privacy class selection rule	approved	F	4.8.0	Location Services (LCS); Functional description; Stage 2
SP-020769	23.271	122	1	6.1.0	Rel-6	Introduction of interworking mechanism for UE-based codeword privacy check.	approved	B	6.2.0	Location Services (LCS); Functional description; Stage 2
SP-020773	23.141	017	2	6.0.0	Rel-6	Presence attributes	approved	F	6.1.0	Presence service; Architecture and functional description; Stage 2
SP-020776	23.228	225		5.6.0	Rel-5	Service Invocation	revised	F		IP Multimedia Subsystem (IMS); Stage 2
SP-020827	23.002	114	1	4.5.0	Rel-4	Corrections in the LCS figures	approved	F	4.6.0	Network architecture
SP-020776	23.228	235		5.6.0	Rel-5	Clarification on Network Configuration Hiding	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020773	23.141	026	1	6.0.0	Rel-6	Pen Reference Point	approved	C	6.1.0	Presence service; Architecture and functional description; Stage 2

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020773	23.141	018	1	6.0.0	Rel-6	Activation of CAMEL mobility reports	approved	F	6.1.0	Presence service; Architecture and functional description; Stage 2
SP-020769	23.271	132		4.7.0	Rel-4	Addition of reference number to deferred MT-LR procedure	approved	F	4.8.0	Location Services (LCS); Functional description; Stage 2
SP-020776	23.228	241	1	5.6.0	Rel-6	Local services	approved	B	6.0.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020776	23.228	233	1	5.6.0	Rel-5	Resource reservation	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020776	23.228	223		5.6.0	Rel-5	PCF to PDF Changes	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020776	23.228	236	1	5.6.0	Rel-5	Clarification on grouping of media components to PDP Contexts	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020819	23.207	044	4	5.5.0	Rel-5	Alignment with stage 3 - DS control over Go	approved	F	5.6.0	End-to-end Quality of Service (QoS) concept and architecture
SP-020838	23.228	237	4	5.6.0	Rel-5	Handling of SDP manipulation issue in stage-2 specifications	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020769	23.271	136	1	6.1.0	Rel-6	Privacy class selection rule	approved	A	6.2.0	Location Services (LCS); Functional description; Stage 2
SP-020774	23.207	051		5.5.0	Rel-5	PCF to PDF Changes	approved	F	5.6.0	End-to-end Quality of Service (QoS) concept and architecture
SP-020769	23.271	134		6.1.0	Rel-6	Addition of reference number to deferred MT-LR procedure	approved	A	6.2.0	Location Services (LCS); Functional description; Stage 2
SP-020776	23.228	228	1	5.6.0	Rel-5	Re-assignment of S-CSCF	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020773	23.141	033		6.0.0	Rel-6	Filter information in presence list server	approved	B	6.1.0	Presence service; Architecture and functional description; Stage 2
SP-020777	23.127	044		5.2.0	Rel-6	Mapping of OSA APIs to Presence	approved	C	6.0.0	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2
SP-020769	23.271	125	1	6.1.0	Rel-6	Correction to privacy check procedure	approved	F	6.2.0	Location Services (LCS); Functional description; Stage 2
SP-020768	23.060	414	1	5.3.0	Rel-5	IP version requirements on Iu	approved	F	5.4.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020769	23.271	138	3	6.1.0	Rel-6	Improvements of inter GMLC interface procedures.	approved	B	6.2.0	Location Services (LCS); Functional description; Stage 2
SP-020773	23.141	021		6.0.0	Rel-6	Email review corrections to be updated to 23.141	approved	F	6.1.0	Presence service; Architecture and functional description; Stage 2
SP-020776	23.228	217	1	5.6.0	Rel-5	Incorporating Messaging aspects to 23.228	withdrawn	B		IP Multimedia Subsystem (IMS); Stage 2
SP-020770	23.002	114		4.5.0	Rel-4	Corrections in the LCS figures	withdrawn	F		Network architecture
SP-020769	23.271	109	1	5.4.0	Rel-5	Privacy class selection rule	approved	A	5.5.0	Location Services (LCS); Functional description; Stage 2
SP-020776	23.228	211	1	5.6.0	Rel-5	Movement of service architecture	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020776	23.228	244		5.6.0	Rel-5	Local services	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020769	23.271	126	1	6.1.0	Rel-6	Corrections to inter GMLC interface procedure	approved	F	6.2.0	Location Services (LCS); Functional description; Stage 2
SP-020827	23.002	107	5	4.5.0	Rel-4	Corrections in the LCS descriptions of 23.002	approved	F	4.6.0	Network architecture
SP-020771	23.032	002	2	3.1.0	R99	Coding of Maximum Offset and Included angle	approved	A	3.2.0	Universal Geographical Area Description (GAD)
SP-020776	23.228	242	1	5.6.0	Rel-6	Clean-up of IMS emergency session requirement	approved	F	6.0.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020774	23.207	046	1	5.5.0	Rel-5	Clarifications on Go interface	approved	F	5.6.0	End-to-end Quality of Service (QoS) concept and architecture
SP-020773	23.141	010	1	6.0.0	Rel-6	CR to Relationship of Presence Network Agent with IMS entities	approved	F	6.1.0	Presence service; Architecture and functional description; Stage 2
SP-020776	23.228	210	1	5.6.0	Rel-5	Removal of duplicate text	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020774	23.207	052	1	5.5.0	Rel-5	Definition of QoS Class	withdrawn	F		End-to-end Quality of Service (QoS) concept and architecture
SP-020770	23.002	112	1	5.8.0	Rel-5	Scope of TS 23.002	withdrawn	F		Network architecture
SP-020776	23.228	230		5.6.0	Rel-5	Cleanup of 23.228, Home visited P-CSCF etc..	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020769	23.271	123	2	6.1.0	Rel-6	Privacy check mechanism for Rel-6 LCS.	approved	B	6.2.0	Location Services (LCS); Functional description; Stage 2

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SP-020776	23.228	229	1	5.6.0	Rel-5	Cleanup and alignment to stage 3 of 23.228	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020840	23.846	001	-	6.0.0	Rel-6	Alignment of content of 23.846 version 6 to 23.846 v.2.0.0	approved	F	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 2
SP-020776	23.228	204	1	5.6.0	Rel-5	Clarification on MRFP reference point	withdrawn	F		IP Multimedia Subsystem (IMS); Stage 2
SP-020776	23.228	232	1	5.6.0	Rel-5	Stripping of headers in the P-CSCF	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020770	23.002	107	2	4.5.0	Rel-4	Corrections in the LCS descriptions of 23.002	withdrawn	F		Network architecture
SP-020775	23.221	037	1	5.6.0	Rel-5	Update to duplicate text	approved	F	5.7.0	Architectural requirements
SP-020827	23.002	108	5	5.8.0	Rel-5	Corrections in the LCS descriptions of 23.002	approved	A	5.9.0	Network architecture
SP-020774	23.207	049		5.5.0	Rel-5	Mobile IP and Service Based Local Policy interactions	approved	F	5.6.0	End-to-end Quality of Service (QoS) concept and architecture
SP-020768	23.060	402	1	5.3.0	Rel-5	Handling of preserved PDP contexts	approved	A	5.4.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020773	23.141	004	4	6.0.0	Rel-6	Clarifications on access rules	approved	F	6.1.0	Presence service; Architecture and functional description; Stage 2
SP-020827	23.002	110	-	5.8.0	Rel-5	PCF to PDF Changes	approved	F	5.9.0	Network architecture
SP-020776	23.228	216	2	5.6.0	Rel-5	Correction to services concepts	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020769	23.271	133		5.4.0	Rel-5	Addition of reference number to deferred MT-LR procedure	approved	F	5.5.0	Location Services (LCS); Functional description; Stage 2
SP-020772	23.107	131		5.6.0	Rel-5	Highest Value for Bitrates	approved	A	5.7.0	Quality of Service (QoS) concept and architecture
SP-020776	23.228	227	1	5.6.0	Rel-5	Number internationalisation clarification	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020776	23.228	217	5	5.6.0	Rel-6	Incorporating Messaging aspects to 23.228	approved	B	6.0.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020772	23.107	128		5.6.0	Rel-5	Removal of unclear statements in 23.107 about the way to handle end-user Differentiated or Integrated services	approved	F	5.7.0	Quality of Service (QoS) concept and architecture
SP-020776	23.228	207	1	5.6.0	Rel-5	Clarification on subclause 5.4.4	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020776	23.228	203	1	5.6.0	Rel-5	Clarification on charging concepts	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020776	23.228	226		5.6.0	Rel-5	Separation of media components in relation to forking	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020770	23.002	108	4	5.8.0	Rel-5	Corrections in the LCS descriptions of 23.002	withdrawn	F	5.9.0	Network architecture
SP-020774	23.207	050		5.5.0	Rel-5	Clarification of Diffserv functions in 23.207 without Go control	withdrawn			End-to-end Quality of Service (QoS) concept and architecture
SP-020828	23.228	225	1	5.6.0	Rel-5	Service Invocation	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020827	23.002	115	2	5.8.0	Rel-5	Corrections in the LCS figures	approved	A	5.9.0	Network architecture
SP-020773	23.141	025		6.0.0	Rel-6	Watcher flows	approved	F	6.1.0	Presence service; Architecture and functional description; Stage 2
SP-020770	23.002	106	1	5.8.0	Rel-5	Service architecture	withdrawn	F		Network architecture
SP-020827	23.002	106	1	5.8.0	Rel-5	Service architecture	approved	F	5.9.0	Network architecture
SP-020773	23.141	016	1	6.0.0	Rel-6	Report of the drafting session on "IMS Access Independence"	approved	F	6.1.0	Presence service; Architecture and functional description; Stage 2
SP-020773	23.141	009		6.0.0	Rel-6	Correction to IMS Notification process to the Presence Server within IMS	approved	F	6.1.0	Presence service; Architecture and functional description; Stage 2
SP-020771	03.32	007	2	7.1.0	R98	Coding of Maximum Offset and Included angle	approved	F	7.2.0	Universal Geographical Area Description (GAD)
SP-020776	23.228	231	1	5.6.0	Rel-5	General consistency cleanup of 23.228	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2
SP-020769	23.271	121	1	5.4.0	Rel-5	Clarification of codeword handling mechanism	approved	F	5.5.0	Location Services (LCS); Functional description; Stage 2
SP-020774	23.207	048		5.5.0	Rel-5	Consistency of stage 2 - RSVP proxy	approved	F	5.6.0	End-to-end Quality of Service (QoS) concept and architecture
SP-020768	23.060	399	3	5.3.0	Rel-5	Mobility Management for GPRS (CAMEL) Subscriber	approved	F	5.4.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020770	23.002	111	1	4.5.0	Rel-4	Scope of TS 23.002	withdrawn	F		Network architecture

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SP-020773	23.141	020		6.0.0	Rel-6	Presentity Presence Proxy functionality	approved		6.1.0	Presence service; Architecture and functional description; Stage 2
SP-020770	23.002	110		5.8.0	Rel-5	PCF to PDF Changes	withdrawn	F		Network architecture
SP-020768	23.060	400	1	3.13.0	R99	Handling of preserved PDP contexts	approved	F	3.14.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020768	23.060	401	1	4.6.0	Rel-4	Handling of preserved PDP contexts	approved	A	4.7.0	General Packet Radio Service (GPRS) Service description; Stage 2
SP-020675	23.228	237	3	5.6.0	Rel-5	Handling of SDP manipulation issue in stage-2 specifications	revised	F		IP Multimedia Subsystem (IMS); Stage 2
SP-020772	23.107	130	1	4.5.0	Rel-4	Highest Value for Bitrates	approved	A	4.6.0	Quality of Service (QoS) concept and architecture
SP-020768	23.060	417	1	5.3.0	Rel-5	QoS negotiation	approved	A	5.4.0	General Packet Radio Service (GPRS) Service description; Stage 2

E.3 CRs from SA WG3

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020715	33.203	029	-	5.3.0	Rel-5	Update of SIP Security Agreement Syntax in Appendix H	approved	F	5.4.0	3G security; Access security for IP-based services
SP-020720	33.210	004	-	5.1.0	Rel-6	Securing UTRAN/GERAN IP Transport interfaces and specifically the Iu interface with NDS/IP mechanisms	approved	B	6.0.0	3G security; Network Domain Security (NDS); IP network layer security
SP-020760	33.203	033	-	5.3.0	Rel-5	TCP and UDP share the same SA	approved	F	5.4.0	3G security; Access security for IP-based services
SP-020706	33.108	003		5.1.0	Rel-5	Missing PDP Context Modification event	approved	F	5.2.0	3G security; Handover interface for Lawful Interception (LI)
SP-020790	33.102	176		3.12.0	R99	Correction to the START formula	approved	F	3.13.0	3G security; Security architecture
SP-020710	33.203	024	-	5.3.0	Rel-5	Correction of IP address acquisition in P-CSCF	approved	F	5.4.0	3G security; Access security for IP-based services
SP-020721	55.217	001		6.0.0	Rel-6	EGPRS algoritm	approved	F	6.1.0	Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEA3 encryption algorithm for GPRS; Document 2: Implementors' test data
SP-020761	33.203	034	-	5.3.0	Rel-5	Indication in the UE that the SA is no longer active in P-CSCF	approved	F	5.4.0	3G security; Access security for IP-based services
SP-020704	33.107	029		5.4.0	Rel-5	Essential correction to the LI events generated during inter-SGSN RAU, when PDP context is active	approved	F	5.5.0	3G security; Lawful interception architecture and functions
SP-020709	33.200	022	-	5.0.0	Rel-5	Removal of Automatic Key Management from Release 5	approved	F	5.1.0	3G Security; Network Domain Security (NDS); Mobile Application Part (MAP) application layer security
SP-020700	33.102	175	-	5.0.0	Rel-5	USIM support in GERAN only terminals	approved	F	5.1.0	3G security; Security architecture
SP-020790	33.102	177		4.4.0	Rel-4	Correction to the START formula	approved	A	4.5.0	3G security; Security architecture
SP-020713	33.203	027	-	5.3.0	Rel-5	Clean up one Editor’s note	approved	F	5.4.0	3G security; Access security for IP-based services
SP-020721	55.919	001		6.0.0	Rel-6	Algoritms for ECSD and EGPRS	approved	F	6.1.0	Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEA3 encryption algorithm for GPRS; Document 4: Design and evaluation report
SP-020716	33.203	030	-	5.3.0	Rel-5	Registration and SA lifetimes	approved	F	5.4.0	3G security; Access security for IP-based services
SP-020714	33.203	028	-	5.3.0	Rel-5	Re-use and re-transmission of RAND and AUTN	approved	F	5.4.0	3G security; Access security for IP-based services
SP-020712	33.203	026	-	5.3.0	Rel-5	The use of SAs in user authentication failures	approved	F	5.4.0	3G security; Access security for IP-based services
SP-020717	33.203	031	-	5.3.0	Rel-5	Open issues in SA handling	approved	F	5.4.0	3G security; Access security for IP-based services

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SP-020721	55.218	001		6.0.0	Rel-6	EGPRS algoritm	approved	F	6.1.0	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
SP-020719	33.210	003	-	5.1.0	Rel-5	Adding requirement to provide mandatory support for 3DES encryption in NDS/IP.Remove AES references and dependencies	approved	F	5.2.0	3G security; Network Domain Security (NDS); IP network layer security
SP-020703	33.107	030		5.4.0	Rel-5	Incorrect implementation of the Serving System reporting	approved	F	5.5.0	3G security; Lawful interception architecture and functions
SP-020705	33.108	002		5.1.0	Rel-5	Essential corrections to the Annex C.1 (ULIC)	approved	F	5.2.0	3G security; Handover interface for Lawful Interception (LI)
SP-020721	55.216	001		6.0.0	Rel-6	EGPRS algoritm	approved	F	6.1.0	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
SP-020708	33.108	006		5.1.0	Rel-5	U.S. LI Requirements	approved	F	5.2.0	3G security; Handover interface for Lawful Interception (LI)
SP-020707	33.108	004		5.1.0	Rel-6	Aggregation of IRI Records	approved	F	6.0.0	3G security; Handover interface for Lawful Interception (LI)
SP-020790	33.102	178		5.0.0	Rel-5	Correction to the START formula	approved	A	5.1.0	3G security; Security architecture
SP-020718	33.203	032	-	5.3.0	Rel-5	Allowing IMS access with SIM cards	rejected	B		3G security; Access security for IP-based services
SP-020711	33.203	025	-	5.3.0	Rel-5	Sending error response when P-CSCF receives unacceptable proposal	approved	F	5.4.0	3G security; Access security for IP-based services
SP-020704	33.108	005		5.1.0	Rel-5	Essential correction to the LI events generated during RAU, when PDP context is active	approved	F	5.2.0	3G security; Handover interface for Lawful Interception (LI)
SP-020702	33.107	028		5.4.0	Rel-5	Event Time	approved	F	5.5.0	3G security; Lawful interception architecture and functions

E.4 CRs from SA WG4

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020695	26.236	002	1	5.0.0	Rel-5	Clarification on SDP session bandwidth parameter	approved	F	5.1.0	Packet switched conversational multimedia applications; Transport protocols
SP-020691	26.140	002		5.1.0	Rel-5	Code points for H.263	approved	F	5.2.0	Multimedia Messaging Service (MMS); Media formats and codes
SP-020694	26.234	039	2	5.2.0	Rel-5	Addition regarding IPv6 support in SDP	approved	A	5.3.0	Transparent end-to-end transparent streaming service; Protocols and codecs
SP-020696	28.062	037	1	5.2.0	Rel-5	TFO version handling	approved	F	5.3.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3
SP-020690	26.103	022		5.3.0	Rel-5	Correction to the Codec ID Table	approved	F	5.4.0	Speech codec list for GSM and UMTS
SP-020696	28.062	035	1	4.4.0	Rel-4	Correction to the TFO_Term state description	approved	F	4.5.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3
SP-020694	26.234	046	1	4.4.0	Rel-4	SMIL Language Profile in TS 26.234	approved	F	4.5.0	Transparent end-to-end transparent streaming service; Protocols and codecs
SP-020691	26.140	003	1	5.1.0	Rel-5	File Format name change from MP4 to 3GP	approved	F	5.2.0	Multimedia Messaging Service (MMS); Media formats and codes

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020696	28.062	036	1	5.2.0	Rel-5	Correction to the TFO_Term state description	approved	A	5.3.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3
SP-020688	26.093	010	3	5.1.0	Rel-5	Correction of uplink SCR operation activation for UMTS AMR	approved	F	5.2.0	AMR speech Codec; Source Controlled Rate operation
SP-020694	26.234	045	1	5.2.0	Rel-5	Client usage of bandwidth parameter at the media level in SDP	approved	F	5.3.0	Transparent end-to-end transparent streaming service; Protocols and codecs
SP-020696	28.062	038	1	5.2.0	Rel-5	Corrections to the TFO standard (wrong specification references)	approved	F	5.3.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3
SP-020694	26.234	040		5.2.0	Rel-5	Code points for H.263	approved	F	5.3.0	Transparent end-to-end transparent streaming service; Protocols and codecs
SP-020693	26.174	005		5.3.0	Rel-5	Correction to frame syncronisation sequences in AMR-WB test sequences	approved	F	5.4.0	AMR speech codec, wideband; Test sequences
SP-020689	26.102	012	2	5.0.0	Rel-5	Correction of RAB parameter assignment for AMR	approved	F	5.1.0	AMR speech Codec; Interface to Iu and Uu
SP-020694	26.234	042	2	4.4.0	Rel-4	Addition regarding IPv6 support in SDP	approved	F	4.5.0	Transparent end-to-end transparent streaming service; Protocols and codecs
SP-020690	26.103	021	1	5.3.0	Rel-5	Correction of uplink SCR activation for UMTS AMR	approved	F	5.4.0	Speech codec list for GSM and UMTS
SP-020695	26.236	001	2	5.0.0	Rel-5	QoS profile parameters for conversational multimedia applications	approved	F	5.1.0	Packet switched conversational multimedia applications; Transport protocols
SP-020692	26.173	014		5.4.0	Rel-5	Ambiguous expression in the AMR-WB C-Code	approved	F	5.5.0	ANSI-C code for the Adaptive Multi Rate (AMR) Wideband speech codec
SP-020694	26.234	044	1	5.2.0	Rel-5	SMIL authoring instructions in TS 26.234	approved	A	5.3.0	Transparent end-to-end transparent streaming service; Protocols and codecs
SP-020694	26.234	043	2	4.4.0	Rel-4	SMIL authoring instructions in TS 26.234	approved	F	4.5.0	Transparent end-to-end transparent streaming service; Protocols and codecs
SP-020694	26.234	051	1	5.2.0	Rel-5	Progressive download of 3GP files	approved	F	5.3.0	Transparent end-to-end transparent streaming service; Protocols and codecs
SP-020694	26.234	050	1	5.2.0	Rel-5	Usage of Multiple Media Sample Entries in Media Tracks of 3GP files	approved	F	5.3.0	Transparent end-to-end transparent streaming service; Protocols and codecs
SP-020694	26.234	047	1	5.2.0	Rel-5	SMIL Language Profile in TS 26.234	approved	A	5.3.0	Transparent end-to-end transparent streaming service; Protocols and codecs
SP-020696	28.062	039	1	5.2.0	Rel-5	Correction of TFO_REQ message for AMR-WB	approved	F	5.3.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3
SP-020694	26.234	041	2	5.2.0	Rel-5	File format 3GP based on ISO and not MP4	approved	F	5.3.0	Transparent end-to-end transparent streaming service; Protocols and codecs

E.5 CRs from SA WG5

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020736	32.215	021	-	5.1.0	Rel-5	Corrections on LCS error cause definitions	approved	A	5.2.0	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain
SP-020741	32.200	017	-	4.2.0	Rel-4	Alignment on MMS charging scenarios with MMS CDR type definitions	approved	F	4.3.0	Telecommunication management; Charging management; Charging principles

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020808	32.205	011	-	4.2.0	Rel-4	Corrections on MMS records ASN.1 definition	approved	F	4.3.0	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain
SP-020750	32.661	001	-	5.0.0	Rel-5	Clarification regarding optionality of notifications	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); Kernel CM requirements
SP-020741	32.200	018	-	5.1.0	Rel-5	Several alignments on MMS charging+ MMBox CDRs have been added	approved	F	5.2.0	Telecommunication management; Charging management; Charging principles
SP-020742	32.235	007	-	4.3.0	Rel-4	Correction of ASN.1 syntax errors	withdrawn	F		Telecommunication management; Charging management; Charging data description for application services
SP-020742	32.205	012	-	5.1.0	Rel-5	Corrections on MMS records ASN.1 definition	revised	A		Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain
SP-020734	32.215	017	-	4.3.0	Rel-4	Corrections on parameter Destination Number	approved	F	4.4.0	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain
SP-020739	32.225	001	-	5.0.0	Rel-5	Remove ambiguity of the CCF Session State	approved	F	5.1.0	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)
SP-020739	32.225	003	-	5.0.0	Rel-5	Corections of definitions and ambiguity	approved	F	5.1.0	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)
SP-020735	32.200	014	-	4.2.0	Rel-4	Addition of 'Inter-PLMN SGSN change' as partial output record trigger for G-CDR	approved	F	4.3.0	Telecommunication management; Charging management; Charging principles
SP-020727	32.102	025	-	5.1.0	Rel-5	Updates and corrections to Integration Reference Points (IRPs) Introduction	approved	F	5.2.0	Telecommunication management; Architecture
SP-020740	32.200	016	-	5.1.0	Rel-5	Correction of interface descriptions	approved	A	5.2.0	Telecommunication management; Charging management; Charging principles
SP-020751	32.111-3	022	-	4.4.0	Rel-4	Add additionalInformation parameter in notification in Alarm IRP: CORBA SS (Alignment with Information Service in Rel-4 32111-2)	approved	F	4.5.0	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1
SP-020751	32.111-3	023	-	5.1.0	Rel-5	Add additionalInformation parameter in notification in Alarm IRP: CORBA SS (Alignment with Information Service in Rel-5 32111-2)	approved	A	5.2.0	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1
SP-020726	32.101	020	-	5.1.0	Rel-5	Aligning IRP related terminology with SA5's SWGC IRP specifications (32.6xy)	approved	F	5.2.0	Telecommunication management; Principles and high level requirements
SP-020808	32.205	012	1	5.1.0	Rel-5	Corrections on MMS records ASN.1 definition and addition of the MMBox CDR types	approved	F	5.2.0	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain
SP-020744	32.612	006	-	5.0.0	Rel-5	Incomplete getSessionStatus	approved	A	5.1.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Information service
SP-020749	32.604	004	-	4.2.0	Rel-5	Alignment of the CMIP SS with the Rel-5 version of the IS in 32.602	approved	F	5.0.0	Telecommunication management; Configuration Management (CM); Basic Configuration Management Integration Reference Point (IRP) CMIP solution set
SP-020736	32.215	020	-	4.3.0	Rel-4	Corrections on LCS error cause definitions	approved	F	4.4.0	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020747	32.632	004	-	5.0.0	Rel-5	Removal of faulty attribute uraList	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP): Network Resource Model (NRM)
SP-020744	32.612	005	-	4.3.0	Rel-4	Incomplete getSessionStatus	approved	F	4.4.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Information service
SP-020746	32.614	003	-	4.2.0	Rel-4	Correction of ASN.1/GDMO sources	approved	F	4.3.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Common Management Information Protocol (CMIP) solution set
SP-020738	32.215	023	-	5.1.0	Rel-5	Correction of the list of parameters of the QoS profile (requested and negotiated)	approved	F	5.2.0	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain
SP-020751	32.111-2	020	-	5.1.0	Rel-5	Add additionalInformation parameter in notification in Alarm IRP: IS	approved	A	5.2.0	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service
SP-020751	32.111-4	013	-	5.2.0	Rel-5	Add the additionalInformation parameter in notifyNewAlarms to the Alarm IRP CMIP SS (Alignment with Information Service in Rel-5 32111-2)	approved	A	5.3.0	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set
SP-020746	32.614	004	-	4.2.0	Rel-5	Alignment with the Rel-5 version of the Information Service in 32.612	approved	F	5.0.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Common Management Information Protocol (CMIP) solution set
SP-020749	32.644	007	-	4.1.1	Rel-5	Alignment of the CMIP SS with the Rel-5 version of the IS in 32.642	approved	F	5.0.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): CMIP solution set
SP-020808	32.235	008	-	5.0.0	Rel-5	Correction of ASN.1 syntax errors	approved	A	5.1.0	Telecommunication management; Charging management; Charging data description for application services
SP-020726	32.102	024	-	5.1.0	Rel-5	Aligning IRP related terminology with SA5's SWGC IRP specifications (32.6xy)	approved	F	5.2.0	Telecommunication management; Architecture
SP-020748	32.642	006	-	5.0.0	Rel-5	Inclusion of valid values and ranges for UTRAN Cell parameters	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)
SP-020753	32.111-4	014	-	5.2.0	Rel-5	Addition of Security Alarm Support to the Alarm IRP CMIP SS (Alignment with Information Service in Rel-5 32111-2)	approved	F	5.3.0	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set
SP-020733	12.15	A022	-	7.6.0	R98	Addition of SGSN's Mobile Country Code (MCC) and Mobile Network Code (MNC) on G-CDR	approved	A	7.7.0	General Packet Radio Service (GPRS); GPRS Charging
SP-020751	32.111-4	012	-	4.3.0	Rel-4	Add the additionalInformation parameter in notifyNewAlarms to the Alarm IRP CMIP SS (Alignment with Information Service in Rel-4 32111-2)	approved	F	4.4.0	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set
SP-020749	32.654	003	-	4.1.0	Rel-5	Alignment of the CMIP SS with the Rel-5 version of the IS in 32.652	approved	F	5.0.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): CMIP solution set
SP-020738	32.215	022	-	5.1.0	Rel-5	IPv4-IPv6 co-existence in PS charging	approved	C	5.2.0	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020740	32.200	015	-	4.2.0	Rel-4	Correction of interface descriptions	approved	F	4.3.0	Telecommunication management; Charging management; Charging principles
SP-020738	32.215	024	-	5.1.0	Rel-5	Extension of CDR encoding	approved	C	5.2.0	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain
SP-020735	32.215	019	-	4.3.0	Rel-4	Addition of SGSN's Mobile Country Code (MCC) and Mobile Network Code (MNC) on G-CDR (Alignment with SA2/CN4/GSMA BARG)	approved	F	4.4.0	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain
SP-020737	32.205	010	-	5.1.0	Rel-5	Charging for Mobile Number Portability (MNP) - Alignment with 23.066	approved	F	5.2.0	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain
SP-020734	32.215	018	-	5.1.0	Rel-5	Corrections on parameter Destination Number	approved	A	5.2.0	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain
SP-020751	32.111-2	019	-	4.4.0	Rel-4	Add additionalInformation parameter in notification in Alarm IRP: IS	approved	F	4.5.0	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service
SP-020749	32.634	002	-	4.1.1	Rel-5	Alignment of the CMIP SS with the Rel-5 version of the IS in 32.632	approved	F	5.0.0	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): CMIP solution set
SP-020733	12.15	A021	-	6.2.0	R97	Addition of SGSN's Mobile Country Code (MCC) and Mobile Network Code (MNC) on G-CDR	approved	F	6.3.0	General Packet Radio Service (GPRS); GPRS Charging
SP-020736	32.205	009	-	5.1.0	Rel-5	Corrections on LCS error cause definitions	approved	A	5.2.0	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain
SP-020745	32.613	007	-	4.3.0	Rel-4	Removal of the Concurrency exception in getSessionLog	approved	F	4.4.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) solution set
SP-020742	32.235	008	-	5.0.0	Rel-5	Correction of ASN.1 syntax errors	withdrawn	A		Telecommunication management; Charging management; Charging data description for application services
SP-020808	32.235	007	-	4.3.0	Rel-4	Correction of ASN.1 syntax errors	approved	F	4.4.0	Telecommunication management; Charging management; Charging data description for application services
SP-020739	32.225	002	-	5.0.0	Rel-5	Addition of Application Server (AS) acting as a Voice Mail Server	approved	B	5.1.0	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)
SP-020734	32.205	006	-	4.2.0	Rel-4	Corrections on parameter Destination Number	approved	F	4.3.0	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain
SP-020733	32.015	037	-	3.9.0	R99	Addition of SGSN's Mobile Country Code (MCC) and Mobile Network Code (MNC) on G-CDR	approved	A	3.10.0	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain
SP-020734	32.205	007	-	5.1.0	Rel-5	Corrections on parameter Destination Number	approved	A	5.2.0	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020747	32.633	003	-	5.0.0	Rel-5	Removal of faulty attribute uraList (alignment with Rel-5 32.632 Network Resource Model)	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): CORBA solution set
SP-020752	32.111-3	024	-	5.1.0	Rel-5	Add notifyPotentialFaultyAlarmList in Alarm IRP: CORBA SS (Alignment with Information Service in Rel-5 32111-2)	approved	F	5.2.0	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1
SP-020736	32.205	008	-	4.2.0	Rel-4	Alignment of LCS charging	approved	F	4.3.0	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain
SP-020742	32.205	011	-	4.2.0	Rel-4	Corrections on MMS records ASN.1 definition	withdrawn	F		Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain

E.6 CRs direct to TSG SA#18

TSG SA Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title
SP-020833	41.103	002	1	5.1.0	Rel-5	Correction to list of specs	approved	F	5.2.0	GSM Release 5 specifications
SP-020782	41.102	008	-	4.6.0	Rel-4	List of Rel-4 work items	approved	F	4.7.0	GSM Release 4 specifications
SP-020829	21.101	012	1	3.9.0	R99	Correction to list of specs	approved	F	3.10.0	3rd Generation mobile system Release 1999 Specifications
SP-020832	01.01	009	1	8.7.0	R99	Correction to list of specs	approved	F	8.8.0	GSM Release 1999 Specifications
SP-020778	21.101	012	-	3.9.0	R99	Correction to list of specs	revised	F		3rd Generation mobile system Release 1999 Specifications
SP-020831	21.103	002	2	5.1.0	Rel-5	Correction to list of specs	approved	F	5.2.0	3rd Generation mobile system Release 5 specifications
SP-020780	21.103	002	1	5.1.0	Rel-5	Correction to list of specs	revised	F		3rd Generation mobile system Release 5 specifications
SP-020830	21.102	009	1	4.6.0	Rel-4	Correction to list of specs	approved	F	4.7.0	3rd Generation mobile system Release 4 specifications
SP-020784	01.01	010	-	8.7.0	R99	List of R99 work items	approved	F	8.8.0	GSM Release 1999 Specifications
SP-020779	21.102	009	-	4.6.0	Rel-4	Correction to list of specs	revised	F		3rd Generation mobile system Release 4 specifications
SP-020781	01.01	009	-	8.7.0	R99	Correction to list of specs	revised	F		GSM Release 1999 Specifications
SP-020783	41.103	002	-	5.1.0	Rel-5	Correction to list of specs	revised	F		GSM Release 5 specifications

Annex F: Status of all 3GPP CRs after TSG SA #18 Meeting

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
NP-020546	04.08	A1125		6.19.0	R97	No MT calls after resumption of GPRS in Network Operation Mode I	approved	F	6.20.0	Mobile radio interface layer 3 specification	N1
NP-020546	04.08	A1127		7.18.0	R98	No MT calls after resumption of GPRS in Network Operation Mode I	approved	A	7.19.0	Mobile radio interface layer 3 specification	N1
NP-020550	04.08	A1129		5.18.1	R96	Coding of the "Multiband Supported" bit field in the CM3 IE	approved	F	5.19.0	Mobile radio interface layer 3 specification	N1
NP-020550	04.08	A1131		6.19.0	R97	Coding of the "Multiband Supported" bit field in the CM3 IE	approved	A	6.20.0	Mobile radio interface layer 3 specification	N1
NP-020550	04.08	A1133		7.18.0	R98	Coding of the "Multiband Supported" bit field in the CM3 IE	approved	A	7.19.0	Mobile radio interface layer 3 specification	N1
NP-020547	04.08	A1135		6.19.0	R97	Clarification on revision level	approved	F	6.20.0	Mobile radio interface layer 3 specification	N1
NP-020547	04.08	A1137		7.18.0	R98	Clarification on revision level	approved	A	7.19.0	Mobile radio interface layer 3 specification	N1
NP-020547	04.08	A1139		4.23.1	Ph2	Clarification on revision level	approved	F	4.24.0	Mobile radio interface layer 3 specification	N1
NP-020547	04.08	A1141		5.18.1	R96	Clarification on revision level	approved	A	5.19.0	Mobile radio interface layer 3 specification	N1
NP-020549	23.009	081	2	3.11.0	R99	MSC_A_HO SDL correction	approved	F	3.12.0	Handover procedures	N1
NP-020549	23.009	082	2	4.5.0	Rel-4	MSC_A_HO SDL correction	approved	A	4.6.0	Handover procedures	N1
NP-020549	23.009	083	2	5.2.0	Rel-5	MSC_A_HO SDL correction	approved	A	5.3.0	Handover procedures	N1
NP-020548	23.009	084	3	5.2.0	Rel-5	Inter-MSC relocation and intersystem handover for multiple codecs	approved	F	5.3.0	Handover procedures	N1
NP-020630	23.009	088		3.11.0	R99	Clarification of the protocol to be used on the E-interface	approved	F	3.12.0	Handover procedures	N1
NP-020630	23.009	089		4.5.0	Rel-4	Clarification of the protocol to be used on the E-interface	approved	A	4.6.0	Handover procedures	N1
NP-020630	23.009	090		5.2.0	Rel-5	Clarification of the protocol to be used on the E-interface	approved	A	5.3.0	Handover procedures	N1
NP-020570	23.034	007	3	5.0.0	Rel-5	Introduction of GERAN Iu-mode	approved	F	5.1.0	High Speed Circuit Switched Data (HSCSD); Stage 2	N1
NP-020549	23.122	056		3.8.0	R99	Correction of references	approved	F	3.9.0	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	N1
NP-020549	23.122	057		4.2.0	Rel-4	Correction of references	approved	A	4.3.0	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	N1
NP-020549	23.122	058		5.1.0	Rel-5	Correction of references	approved	A	5.2.0	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	N1
NP-020552	23.218	029	1	5.2.0	Rel-5	Clarification on CCF/ECF addresses	approved	F	5.3.0	IP Multimedia (IM) session handling; IM call model; Stage 2	N1
NP-020553	23.218	030	3	5.2.0	Rel-5	Clarification on MRFP reference point	approved	F	5.3.0	IP Multimedia (IM) session handling; IM call model; Stage 2	N1
NP-020552	23.218	031	1	5.2.0	Rel-5	Support of originating requests from Application Servers	approved	F	5.3.0	IP Multimedia (IM) session handling; IM call model; Stage 2	N1
NP-020552	23.218	033		5.2.0	Rel-5	Addition of Request-URI as SPT	approved	F	5.3.0	IP Multimedia (IM) session handling; IM call model; Stage 2	N1
NP-020552	23.218	034	1	5.2.0	Rel-5	Clarifications on Annex C (Informative)	approved	F	5.3.0	IP Multimedia (IM) session handling; IM call model; Stage 2	N1
NP-020554	23.218	037	1	5.2.0	Rel-5	Clarification on Sh interface for charging purposes	rejected	F		IP Multimedia (IM) session handling; IM call model; Stage 2	N1
NP-020552	23.218	038	1	5.2.0	Rel-5	Clarification to use of Service Information	approved	F	5.3.0	IP Multimedia (IM) session handling; IM call model; Stage 2	N1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
NP-020546	24.008	695	1	3.13.0	R99	No MT calls after resumption of GPRS in Network Operation Mode I	approved	A	3.14.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020546	24.008	696	1	4.8.0	Rel-4	No MT calls after resumption of GPRS in Network Operation Mode I	approved	A	4.9.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020546	24.008	697	1	5.5.0	Rel-5	No MT calls after resumption of GPRS in Network Operation Mode I	approved	A	5.6.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020570	24.008	698		5.5.0	Rel-5	Inclusion of EDGE RF Power Capability in the CM3 IE	approved	F	5.6.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020629	24.008	699	1	3.13.0	R99	Use of "LLC SAPI not assigned" by the network	approved	F	3.14.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020629	24.008	700		4.8.0	Rel-4	Use of "LLC SAPI not assigned" by the network	approved	F	4.9.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020551	24.008	701	3	5.5.0	Rel-5	Flow Identifier Encoding	withdrawn	F		Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020670	24.008	701	3	5.5.0	Rel-5	Flow Identifier Encoding	approved	F	5.3.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020647	24.008	701	3	5.5.0	Rel-5	Flow Identifier Encoding	withdrawn	F		Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020548	24.008	702	1	4.8.0	Rel-4	Clarification of the codec change procedure	approved	F	4.9.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020548	24.008	703	1	5.5.0	Rel-5	Clarification of the codec change procedure	approved	A	5.6.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020629	24.008	704		5.5.0	Rel-5	Use of "LLC SAPI not assigned" by the network	approved	A	5.6.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020545	24.008	705	2	3.13.0	R99	Cell barring after Network authentication rejection from the UE	approved	F	3.14.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020545	24.008	706	1	4.8.0	Rel-4	Cell barring after Network authentication rejection from the UE	approved	A	4.9.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020545	24.008	707	1	5.5.0	Rel-5	Cell barring after Network authentication rejection from the UE	approved	A	5.6.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020550	24.008	708		3.13.0	R99	Coding of the "Multiband Supported" bit field in the CM3 IE	approved	A	3.14.0	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-020550	24.008	709		4.8.0	Rel-4	Coding of the "Multiband Supported" bit field in the CM3 IE	approved	A	4.9.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020569	24.008	716	2	5.5.0	Rel-5	Downloading of local emergency numbers to the mobile station	revised	F		Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020652	24.008	716	3	5.5.0	Rel-5	Downloading of local emergency numbers to the mobile station	revised	F		Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020674	24.008	716	4	5.5.0	Rel-5	Downloading of local emergency numbers to the mobile station	approved	F	5.6.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020549	24.008	719	1	3.13.0	R99	Correcting errors and making improvements to references	approved	F	3.14.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020549	24.008	720	1	4.8.0	Rel-4	Correcting errors and making improvements to references	approved	F	4.9.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020549	24.008	721	1	5.5.0	Rel-5	Correcting errors and making improvements to references	approved	A	5.6.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020547	24.008	722		3.13.0	R99	Clarification on revision level	approved	A	3.14.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020547	24.008	723		4.8.0	Rel-4	Clarification on revision level	approved	A	4.9.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020547	24.008	724		5.5.0	Rel-5	Clarification on revision level	approved	A	5.6.0	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1
NP-020570	24.011	024	2	5.0.0	Rel-5	SMS over GPRS disabled	approved	F	5.1.0	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	N1
NP-020555	24.228	047	2	5.2.0	Rel-5	Relationship of Application Servers to flows in 24.228	approved	F	5.3.0	Signalling flows for the IP multimedia call control based on SIP and SDP; Stage 3	N1
NP-020555	24.228	048	3	5.2.0	Rel-5	Addition of tokenization to key	approved	F	5.3.0	Signalling flows for the IP multimedia call control based on SIP and SDP; Stage 3	N1
NP-020555	24.228	054	3	5.2.0	Rel-5	Removal of editor's notes - clause 1 through 4 and other minor changes	approved	F	5.3.0	Signalling flows for the IP multimedia call control based on SIP and SDP; Stage 3	N1
NP-020555	24.228	071	1	5.2.0	Rel-5	Add P-headers to MO#1b flow	approved	F	5.3.0	Signalling flows for the IP multimedia call control based on SIP and SDP; Stage 3	N1
NP-020555	24.228	072	4	5.2.0	Rel-5	Add charging P-header examples to call flows	approved	F	5.3.0	Signalling flows for the IP multimedia call control based on SIP and SDP; Stage 3	N1
NP-020555	24.228	073	4	5.2.0	Rel-5	Corrections to the Path and Service-Route headers	approved	F	5.3.0	Signalling flows for the IP multimedia call control based on SIP and SDP; Stage 3	N1
NP-020555	24.228	074		5.2.0	Rel-5	General clean-up of section 17.3	approved	F	5.3.0	Signalling flows for the IP multimedia call control 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-020555	24.228	075	1	5.2.0	Rel-5	Correction to 24.228 flows - sections 10.4 and 10.5	approved	F	5.3.0	Signalling flows for the IP multimedia call control based on SIP and SDP; Stage 3	N1
NP-020555	24.228	076	1	5.2.0	Rel-5	Correction to 24.228 flows- section 17.5	approved	F	5.3.0	Signalling flows for the IP multimedia call control based on SIP and SDP; Stage 3	N1
NP-020556	24.228	078		5.2.0	Rel-5	General update of section 5.3	approved	F	5.3.0	Signalling flows for the IP multimedia call control based on SIP and SDP; Stage 3	N1
NP-020556	24.228	080		5.2.0	Rel-5	Correction on P-Asserted-Id, P-Preferred-Id, Remote-Party-ID(chapter 7)	approved	F	5.3.0	Signalling flows for the IP multimedia call control based on SIP and SDP; Stage 3	N1
NP-020556	24.228	083	1	5.2.0	Rel-5	Clause 17.6 Error handling	approved	F	5.3.0	Signalling flows for the IP multimedia call control based on SIP and SDP; Stage 3	N1
NP-020556	24.228	088	1	5.2.0	Rel-5	Addition of missing "<>" for URIs in chapter 7 and 8	approved	F	5.3.0	Signalling flows for the IP multimedia call control based on SIP and SDP; Stage 3	N1
NP-020556	24.228	089	1	5.2.0	Rel-5	Call transfer update	approved	F	5.3.0	Signalling flows for the IP multimedia call control based on SIP and SDP; Stage 3	N1
NP-020556	24.228	090	1	5.2.0	Rel-5	Changing tel URL to SIP URI in P-Associated-URI header field	approved	F	5.3.0	Signalling flows for the IP multimedia call control based on SIP and SDP; Stage 3	N1
NP-020556	24.228	091	1	5.2.0	Rel-5	Addition of Message flows to 24.228	approved	F	5.3.0	Signalling flows for the IP multimedia call control based on SIP and SDP; Stage 3	N1
NP-020556	24.228	092	1	5.2.0	Rel-5	SA related procedures	approved	F	5.3.0	Signalling flows for the IP multimedia call control based on SIP and SDP; Stage 3	N1
NP-020557	24.228	093		5.2.0	Rel-5	PCF to PDF	approved	F	5.3.0	Signalling flows for the IP multimedia call control based on SIP and SDP; Stage 3	N1
NP-020558	24.229	140	4	5.2.0	Rel-5	Support of non-IMS forking	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020565	24.229	144	2	5.2.0	Rel-5	Identification of supported IETF drafts within this release	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020558	24.229	161	3	5.2.0	Rel-5	Clarifications and editorials to SIP profile	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020558	24.229	175	5	5.2.0	Rel-5	Clarifications of the binding and media grouping	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020558	24.229	179	2	5.2.0	Rel-5	Support of originating requests from Application Servers	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020558	24.229	197		5.2.0	Rel-5	Wrong references in 4.1	approved	D	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020558	24.229	198		5.2.0	Rel-5	Alignment of the MGCF procedures to RFC 3312	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020558	24.229	199	1	5.2.0	Rel-5	Service Route Header and Path Header interactions	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020558	24.229	202		5.2.0	Rel-5	Addition of clause 6 though clause 9 references to conformance clause	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020558	24.229	203	1	5.2.0	Rel-5	URL and address assignments	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020559	24.229	204	3	5.2.0	Rel-5	Fix gprs-charging-info definition and descriptions	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020559	24.229	206		5.2.0	Rel-5	Alignment of the SDP attributes related to QoS integration with IETF	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020559	24.229	207	1	5.2.0	Rel-5	Update of the 3GPP-generated SIP P- headers document references	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1

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NP-020559	24.229	208	1	5.2.0	Rel-5	Handling of INVITE requests that do not contain SDP	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020559	24.229	209	2	5.2.0	Rel-5	UE Registration	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020559	24.229	211	1	5.2.0	Rel-5	Usage of private user identity during registration	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020559	24.229	212	1	5.2.0	Rel-5	P-CSCF subscription to the users registration-state event	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020559	24.229	213	2	5.2.0	Rel-5	Handling of MT call by the P-CSCF	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020559	24.229	215		5.2.0	Rel-5	P-CSCF acting as a UA	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020559	24.229	216	1	5.2.0	Rel-5	S-CSCF handling of protected registrations	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020560	24.229	217	1	5.2.0	Rel-5	S-CSCF handling of subscription to the users registration-state event	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020560	24.229	218	1	5.2.0	Rel-5	Determination of MO or MT in I-CSCF	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020560	24.229	220		5.2.0	Rel-5	Definition of the NAI and RTCP abbreviations	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020560	24.229	222	4	5.2.0	Rel-5	Go related error codes in the UE	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020560	24.229	223	1	5.2.0	Rel-5	Clarifications on CCF/ECF addresses	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020560	24.229	225	2	5.2.0	Rel-5	Clarifications on dedicated PDP Context for IMS signaling	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020560	24.229	228	3	5.2.0	Rel-5	Clarifications on the use of charging correlation information	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020560	24.229	232	1	5.2.0	Rel-5	Expires information in REGISTER response	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020560	24.229	235	2	5.2.0	Rel-5	Indication of successful establishment of Dedicated Signalling PDP context to the UE	approved	C	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020560	24.229	237		5.2.0	Rel-5	P-CSCF sending 100 (Trying) Response for reINVITE	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020561	24.229	239	1	5.2.0	Rel-5	Correction on P-Asserted-Id, P-Preferred-Id, Remote-Party-ID	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020561	24.229	240	1	5.2.0	Rel-5	Clarifications to subclause 9.2.5	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020561	24.229	242		5.2.0	Rel-5	ENUM translation	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020561	24.229	243	1	5.2.0	Rel-5	AS routing	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020561	24.229	245	1	5.2.0	Rel-5	Warning header	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020561	24.229	246	3	5.2.0	Rel-5	S-CSCF procedure tidyup	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020561	24.229	247	1	5.2.0	Rel-5	P-CSCF procedure tidyup	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1

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NP-020561	24.229	248	2	5.2.0	Rel-5	UE procedure tidyup	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020561	24.229	249	3	5.2.0	Rel-5	MESSAGE corrections part 1	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020561	24.229	250	2	5.2.0	Rel-5	MESSAGE corrections part 2	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020562	24.229	251	2	5.2.0	Rel-5	Security association clarifications	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020562	24.229	252	1	5.2.0	Rel-5	The use of security association by the UE	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020562	24.229	253	1	5.2.0	Rel-5	UE integrity protected re-registration	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020562	24.229	255	3	5.2.0	Rel-5	Handling of default public user identities by the P-CSCF	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020562	24.229	263		5.2.0	Rel-5	Fixing ioi descriptions	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020562	24.229	264	1	5.2.0	Rel-5	Fix descriptions for ECF/CCF addresses	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020562	24.229	266	2	5.2.0	Rel-5	Alignment with draft-ietf-sipping-reg-event-00 and clarification on network initiated deregistration	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020563	24.229	267	1	5.2.0	Rel-5	Correction to network initiated re-authentication procedure	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020563	24.229	268	1	5.2.0	Rel-5	Registration Expires Timer Default Setting	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020563	24.229	269	1	5.2.0	Rel-5	Clarification on Sh interface for charging purposes	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020563	24.229	270	2	5.2.0	Rel-5	Clarifications on the scope	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020563	24.229	273	1	5.2.0	Rel-5	Add charging info for SUBSCRIBE	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020563	24.229	274	1	5.2.0	Rel-5	Profile revisions for RFC 3261 headers	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020563	24.229	275		5.2.0	Rel-5	Consistency changes for SDP procedures at MGCF	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020563	24.229	276		5.2.0	Rel-5	Proxy support of PRACK	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020563	24.229	277		5.2.0	Rel-5	Clarification of transparent handling of parameters in profile	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020566	24.229	278	3	5.2.0	Rel-5	P-CSCF does not strip away headers	revised	F		IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020663	24.229	278	4	5.2.0	Rel-5	P-CSCF does not strip away headers	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020564	24.229	279	1	5.2.0	Rel-5	Meaning of refresh request	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020564	24.229	280		5.2.0	Rel-5	Removal of Caller Preferences dependency	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020564	24.229	281	1	5.2.0	Rel-5	P-Access-Network-Info clarifications	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1

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NP-020564	24.229	282		5.2.0	Rel-5	Clarification on use of the From header by the UE	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020635	24.229	284	3	5.2.0	Rel-5	SDP media policy rejection	revised	F		IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020668	24.229	284	4	5.2.0	Rel-5	SDP media policy rejection	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020567	24.229	285	1	5.2.0	Rel-5	Fallback for compression failure	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020564	24.229	287	1	5.2.0	Rel-5	SA related procedures	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020557	24.229	289		5.2.0	Rel-5	PCF to PDF	approved	F	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020568	24.229	290	1	5.2.0	Rel-5	Emergency Service correction	approved	C	5.3.0	IP Multimedia Call Control Protocol based on SIP and SDP; Stage 3	N1
NP-020571	29.018	032		5.2.0	Rel-5	Clarification of the coding of the Global CN-Id	approved	F	5.3.0	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	N1
NP-020570	43.068	008	1	5.1.0	Rel-5	MS late entry notification	revised	F		Voice Group Call Service (VGCS); Stage 2	N1
NP-020650	43.068	008	2	5.0.1	Rel-5	MS late entry notification	revised	F		Voice Group Call Service (VGCS); Stage 2	N1
NP-020653	43.068	008	3	5.1.0	Rel-5	MS late entry notification	revised	F		Voice Group Call Service (VGCS); Stage 2	N1
NP-020675	43.068	008	4	5.1.0	Rel-5	MS late entry notification	approved	F	5.2.0	Voice Group Call Service (VGCS); Stage 2	N1
NP-020570	43.069	007	1	5.1.0	Rel-5	MS late entry notification	revised	F		Voice Broadcast service (VBS); Stage 2	N1
NP-020651	43.069	007	2	5.0.1	Rel-5	MS late entry notification	revised	F		Voice Broadcast service (VBS); Stage 2	N1
NP-020654	43.069	007	3	5.1.0	Rel-5	MS late entry notification	revised	F		Voice Broadcast service (VBS); Stage 2	N1
NP-020676	43.069	007	4	5.1.0	Rel-5	MS late entry notification	approved	F	5.2.0	Voice Broadcast service (VBS); Stage 2	N1
NP-020527	23.078	418	4	5.1.0	Rel-5	Playing of Warning Tones	approved	F	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020526	23.078	427	2	5.1.0	Rel-5	Use of Release Call and Release Call Segment in gsmSSF processes	approved	F	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020526	23.078	449	1	5.1.0	Rel-5	Correction of handling of MT-SMS in the SGSN	approved	F	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020526	23.078	452	2	5.1.0	Rel-5	Clarification of architecture for CAMEL control of MT-SMS	approved	F	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020526	23.078	453		5.1.0	Rel-5	Correction of handling of MT-SMS in the VLR	approved	F	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020526	23.078	454		5.1.0	Rel-5	Correction of IDPs in new section 4.5.1	approved	F	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020526	23.078	456		5.1.0	Rel-5	Add result from GPRS mobility management procedure	approved	F	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2

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NP-020526	23.078	457	1	5.1.0	Rel-5	Detach report in inter-SGSN routeing area update	approved	F	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020525	23.078	461		5.1.0	Rel-5	Correction to interaction between MO-SMS and CB / ODB	approved	A	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020527	23.078	466	1	5.1.0	Rel-5	Correction to VLR Address in Location Information	approved	F	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020523	23.078	468	3	3.14.0	R99	Alignement between 23.078 and 29.002 about RCH	approved	F	3.15.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020523	23.078	469	2	4.6.1	Rel-4	Alignement between 23.078 and 29.002 about RCH	approved	A	4.7.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020526	23.078	470	2	5.1.0	Rel-5	Resolving of open issues on "Support of partial implementation of CAMEL	approved	C	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020523	23.078	478		3.14.0	R99	Correction to QoS reporting and delta timer overflow	approved	F	3.15.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020523	23.078	479		4.6.1	Rel-4	Correction to QoS reporting and delta timer overflow	approved	A	4.7.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020523	23.078	480		5.1.0	Rel-5	Correction to QoS reporting and delta timer overflow	approved	A	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020527	23.078	482		5.1.0	Rel-5	Correction on DP name	approved	F	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020529	23.078	483		5.1.0	Rel-5	Figure and table numbers	approved	D	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020528	23.078	484	1	5.1.0	Rel-5	Better SDL CSA_gsmSSF	approved	D	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020527	23.078	485	1	5.1.0	Rel-5	Correction of "Support of partial implementation of CAMEL"	approved	F	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020524	23.078	487	1	3.14.0	R99	Number comparison for D-CSI	approved	F	3.15.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020524	23.078	488	1	4.6.1	Rel-4	Number comparison for D-CSI	approved	A	4.7.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020524	23.078	489	1	5.1.0	Rel-5	Number comparison for D-CSI	approved	A	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2

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NP-020528	23.078	490	1	5.1.0	Rel-5	Handling of Apply Charging after gsmSCF terminates dialogue or sends 'Release Call'	approved	F	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020527	23.078	494		5.1.0	Rel-5	Inconsistent description "Store destination address"	approved	F	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020528	23.078	495	1	5.1.0	Rel-5	Correction to ATI handling in HLR	approved	F	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020524	23.078	498	3	3.14.0	R99	Clarification on ATM -> NSDC when status of one SS impacts another SS status.	approved	F	3.15.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020528	23.078	499	1	5.1.0	Rel-5	MSC-number in MAP Location Information	approved	F	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020527	23.078	500	1	5.1.0	Rel-5	ASN default for Flexible Tone BurstInterval due to MEGACO	approved	F	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020527	23.078	504		5.1.0	Rel-5	Removal of redundant information elements from Location Information	approved	F	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020524	23.078	506	2	4.6.1	Rel-4	Clarification on ATM -> NSDC when status of one SS impacts another SS status.	approved	A	4.7.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020524	23.078	507	2	5.1.0	Rel-5	Clarification on ATM -> NSDC when status of one SS impacts another SS status.	approved	A	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020524	23.078	508	1	3.14.0	R99	Correction to dialled services criteria	approved	F	3.15.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020525	23.078	509		3.14.0	R99	Correction to interaction between MO-SMS and CB / ODB	approved	F	3.15.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020525	23.078	510		4.6.1	Rel-4	Correction to interaction between MO-SMS and CB / ODB	approved	A	4.7.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020524	23.078	511		4.6.1	Rel-4	Correction to dialled services criteria	approved	A	4.7.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020524	23.078	512		5.1.0	Rel-5	Correction to dialled services criteria	approved	A	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N2
NP-020530	23.278	001	2	5.0.0	Rel-5	Correction and improvement in the overall SDL architecture	approved	F	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	N2

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NP-020530	23.278	002		5.0.0	Rel-5	Correction and improvement in the registration procedures	approved	F	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	N2
NP-020532	23.278	003	2	5.0.0	Rel-5	Correction and improvement in MO procedures	approved	F	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	N2
NP-020532	23.278	004	3	5.0.0	Rel-5	Correction and improvement in MT procedures	approved	F	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	N2
NP-020530	23.278	005		5.0.0	Rel-5	Correction and improvement in CSI update	approved	F	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	N2
NP-020530	23.278	006		5.0.0	Rel-5	Clarification in the case multiple RRBs are sent for a DP	approved	F	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	N2
NP-020530	23.278	007	1	5.0.0	Rel-5	Inconsistent description on ACR: time information	approved	F	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	N2
NP-020530	23.278	008		5.0.0	Rel-5	Remove support of SCI operation from imcnSSF SDL process	approved	F	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	N2
NP-020530	23.278	009		5.0.0	Rel-5	Removal of ETC processing from IM-SSF SDL Procedures	approved	F	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	N2
NP-020530	23.278	010	1	5.0.0	Rel-5	Correction of InitialDP MediaType parameter	approved	F	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	N2
NP-020532	23.278	012	1	5.0.0	Rel-5	IF Description for gsmSRF-related operations for IMS	approved	F	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	N2
NP-020529	23.278	014		5.0.0	Rel-5	Figure and table numbers	approved	D	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	N2
NP-020531	23.278	015		5.0.0	Rel-5	For better document structure	approved	D	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	N2

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NP-020531	23.278	016		5.0.0	Rel-5	Editorial improvement - clause 2	approved	D	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	N2
NP-020531	23.278	017		5.0.0	Rel-5	Editorial improvement - clause 3	approved	D	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	N2
NP-020531	23.278	018		5.0.0	Rel-5	Editorial improvement - clause 4	approved	D	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	N2
NP-020531	23.278	019		5.0.0	Rel-5	Editorial improvement - clause 5	approved	D	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	N2
NP-020531	23.278	020		5.0.0	Rel-5	Editorial improvement - clause 6	approved	D	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	N2
NP-020531	23.278	021		5.0.0	Rel-5	Editorial improvement - clause 7	approved	D	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	N2
NP-020532	23.278	022		5.0.0	Rel-5	SDL Procedure for Connect To Resource	approved	F	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	N2
NP-020532	23.278	023	1	5.0.0	Rel-5	Stage 2 specifications for Call Gap for IMS	approved	F	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	N2
NP-020532	23.278	024	2	5.0.0	Rel-5	Clarification of DP destination number trigger criteria for IMS	approved	F	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	N2
NP-020532	23.278	025		5.0.0	Rel-5	Number comparison for D-CSI	approved	F	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	N2
NP-020532	23.278	026		5.0.0	Rel-5	Correction to dialled services criteria	approved	F	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	N2
NP-020527	29.078	276		5.1.0	Rel-5	Correction to GPRS dialogue abortion	approved	F	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2

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NP-020526	29.078	277		5.1.0	Rel-5	Correction to SMS dialogue termination	approved	F	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-020526	29.078	283	1	5.1.0	Rel-5	ASN.1 syntax basic corrections	approved	F	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-020528	29.078	288	1	5.1.0	Rel-5	Use of Continue With Argument operation for call resumption	approved	F	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-020528	29.078	289	1	5.1.0	Rel-5	Missing Call Segment ID in Continue With Argument operation	approved	F	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-020523	29.078	290	1	3.13.0	R99	Correction to CAP Extension Types	approved	F	3.14.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-020527	29.078	291		5.1.0	Rel-5	ASN default for Flexible Tone BurstInterval due to MECAGO	approved	F	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-020523	29.078	293		4.6.0	Rel-4	Correction to CAP Extension Types	approved	A	4.7.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-020523	29.078	294		5.1.0	Rel-5	Correction to CAP Extension Types	approved	A	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-020528	29.078	295	2	5.1.0	Rel-5	Reintroduction of local definition of LocationInformationGPRS	approved	F	5.2.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification	N2
NP-020530	29.278	001	1	5.0.0	Rel-5	Correction of ASN.1 definition for the InitialDP MediaType parameter	approved	F	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification for IP Multimedia Subsystems (IMS)	N2
NP-020530	29.278	002	1	5.0.0	Rel-5	ASN.1 syntax basic corrections	approved	F	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification for IP Multimedia Subsystems (IMS)	N2

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NP-020532	29.278	003	1	5.0.0	Rel-5	Correction of ConnectToResource operation procedure for IMS.	approved	F	5.1.0	Customised Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification for IP Multimedia Subsystems (IMS)	N2
NP-020613	09.61	A039	1	6.8.0	R97	RADIUS enhancement for identification of VPLMN	approved	F	6.9.0	General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet Data Networks (PDN)	N3
NP-020613	09.61	A040	1	7.7.0	R98	RADIUS enhancement for identification of VPLMN	approved	A	7.8.0	General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet Data Networks (PDN)	N3
NP-020618	23.172	001		5.0.0	Rel-5	Lawful Interception For SCUDIF	approved	F	5.1.0	Technical realization of Circuit Switched (CS) multimedia service; UDI/RDI fallback and service modification; Stage 2	N3
NP-020619	23.172	003	3	5.0.0	Rel-5	Mobile originating BC handling for SCUDIF calls	approved	F	5.1.0	Technical realization of Circuit Switched (CS) multimedia service; UDI/RDI fallback and service modification; Stage 2	N3
NP-020619	23.172	004	2	5.0.0	Rel-5	Service Change Procedure	approved	F	5.1.0	Technical realization of Circuit Switched (CS) multimedia service; UDI/RDI fallback and service modification; Stage 2	N3
NP-020617	23.910	039	1	5.1.0	Rel-5	CS Data Services (including HSCSD and EDGE) for GERAN Iu mode	approved	B	5.2.0	Circuit switched data bearer services	N3
NP-020616	23.910	042	1	5.1.0	Rel-5	Usage of Iu UP in support mode in core network	approved	A	5.2.0	Circuit switched data bearer services	N3
NP-020616	23.910	043	1	4.5.0	Rel-4	Usage of Iu UP in support mode in core network	approved	F	4.6.0	Circuit switched data bearer services	N3
NP-020617	24.022	007	1	5.0.0	Rel-5	CS Data Services (including HSCSD and EDGE) for GERAN Iu mode	approved	B	5.1.0	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	N3
NP-020617	27.001	081	1	5.3.0	Rel-5	CS Data Services (including HSCSD and EDGE) for GERAN Iu mode	approved	B	5.4.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-020619	27.001	082	4	5.3.0	Rel-5	Mobile originating BC handling for SCUDIF calls	approved	F	5.4.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3
NP-020627	27.060	028	1	5.2.0	Rel-5	IMS related functions for the UE	approved	F	5.3.0	Packet domain; Mobile Station (MS) supporting Packet Switched services	N3
NP-020627	27.060	077		5.2.0	Rel-5	Multiplexing IMS media components to PDP contexts	approved	F	5.3.0	Packet domain; Mobile Station (MS) supporting Packet Switched services	N3
NP-020627	27.060	078	1	5.2.0	Rel-5	Editorial improvments and an error correction	approved	F	5.3.0	Packet domain; Mobile Station (MS) supporting Packet Switched services	N3
NP-020627	27.060	079	1	5.2.0	Rel-5	Policy control rejection of PDP context	approved	F	5.3.0	Packet domain; Mobile Station (MS) supporting Packet Switched services	N3
NP-020617	29.007	056	1	5.3.0	Rel-5	CS Data Services (including HSCSD and EDGE) for GERAN Iu mode	approved	B	5.4.0	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	N3

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NP-020616	29.007	057	1	4.5.0	Rel-4	Usage of Iu UP in support mode in core network	approved	F	4.6.0	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-020616	29.007	058	1	5.3.0	Rel-5	Usage of Iu UP in support mode in core network	approved	A	5.4.0	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-020615	29.007	059		5.3.0	Rel-5	Correction on mapping of BC-IE	approved	F	5.4.0	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-020619	29.007	060	3	5.3.0	Rel-5	Mobile originating BC handling for SCUDIF calls	approved	F	5.4.0	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-020615	29.007	062		3.10.0	R99	Correction on mapping of BC-IE	approved	F	3.11.0	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-020615	29.007	063		4.5.0	Rel-4	Correction on mapping of BC-IE	approved	A	4.6.0	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-020613	29.061	064		3.10.0	R99	Correction of Radius Accounting Update figure	approved	F	3.11.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-020613	29.061	065		4.5.0	Rel-4	Correction of Radius Accounting Update figure	approved	A	4.6.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-020613	29.061	066		5.3.0	Rel-5	Correction of Radius Accounting Update figure	approved	A	5.4.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-020623	29.061	067	3	5.3.0	Rel-5	Handling of binding information by GGSN	approved	F	5.4.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3

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NP-020614	29.061	068		3.10.0	R99	Correction related to IPv6	approved	F	3.11.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-020614	29.061	069		4.5.0	Rel-4	Corrections related to IPv6	approved	F	4.6.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-020613	29.061	070		3.10.0	R99	RADIUS enhancement for identification of VPLMN	approved	A	3.11.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-020613	29.061	071		4.5.0	Rel-4	RADIUS enhancement for identification of VPLMN	approved	A	4.6.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-020613	29.061	072		5.3.0	Rel-5	RADIUS enhancement for identification of VPLMN	approved	A	5.4.0	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3
NP-020625	29.207	034	1	5.1.0	Rel-5	Validating binding information against the UE	approved	F	5.2.0	Policy control over Go interface	N3
NP-020621	29.207	035		5.1.0	Rel-5	Go PIB revision and update	approved	F	5.2.0	Policy control over Go interface	N3
NP-020623	29.207	039	4	5.1.0	Rel-5	Handling of binding information by GGSN	approved	F	5.2.0	Policy control over Go interface	N3
NP-020623	29.207	040	4	5.1.0	Rel-5	Connection failure between PCF and GGSN	approved	F	5.2.0	Policy control over Go interface	N3
NP-020625	29.207	041	2	5.1.0	Rel-5	Clarification on Flow identifier coding	approved	F	5.2.0	Policy control over Go interface	N3
NP-020625	29.207	045		5.1.0	Rel-5	Clarifications on GGSN messages	approved	F	5.2.0	Policy control over Go interface	N3
NP-020625	29.207	047	1	5.1.0	Rel-5	Clarification on multiple codecs	approved	F	5.2.0	Policy control over Go interface	N3
NP-020625	29.207	049	3	5.1.0	Rel-5	Clarifications on Early Media	approved	F	5.2.0	Policy control over Go interface	N3
NP-020621	29.207	050		5.1.0	Rel-5	Go PIB revision and update	approved	F	5.2.0	Policy control over Go interface	N3
NP-020620	29.207	051	2	5.1.0	Rel-5	Clarification on the authorized bandwidth for RTP media streams	approved	F	5.2.0	Policy control over Go interface	N3
NP-020625	29.207	052		5.1.0	Rel-5	Added reference to TS29.208	approved	D	5.2.0	Policy control over Go interface	N3
NP-020621	29.207	053	1	5.1.0	Rel-5	Re-Using filters from the IETF Framework PIB	approved	F	5.2.0	Policy control over Go interface	N3
NP-020625	29.207	056	1	5.1.0	Rel-5	Update reference [11]	approved	F	5.2.0	Policy control over Go interface	N3
NP-020621	29.207	057	1	5.1.0	Rel-5	IANA numbers: COPS client-type and PIB branch number	approved	F	5.2.0	Policy control over Go interface	N3
NP-020621	29.207	059	1	5.1.0	Rel-5	PIB references and clarifications	approved	F	5.2.0	Policy control over Go interface	N3
NP-020625	29.207	060	2	5.1.0	Rel-5	Changes to GGSN behavior when no binding information received.	approved	F	5.2.0	Policy control over Go interface	N3
NP-020625	29.207	061	1	5.1.0	Rel-5	Clarification on use of charging correlation informartion	approved	F	5.2.0	Policy control over Go interface	N3
NP-020623	29.207	063	1	5.1.0	Rel-5	GTP cause code for Go related errors	approved	F	5.2.0	Policy control over Go interface	N3
NP-020622	29.207	064	3	5.1.0	Rel-5	Replacement of DiffServ class with QoS class	approved	F	5.2.0	Policy control over Go interface	N3
NP-020625	29.207	065	2	5.1.0	Rel-5	Update of Device Capabilities and Limitations section	approved	F	5.2.0	Policy control over Go interface	N3
NP-020625	29.207	066		5.1.0	Rel-5	Corrections in Message Description Section	approved	F	5.2.0	Policy control over Go interface	N3
NP-020624	29.207	067		5.1.0	Rel-5	PCF to PDF Change	approved	F	5.2.0	Policy control over Go interface	N3
NP-020625	29.207	068		5.1.0	Rel-5	DiffServ Class definition for UL and DL in the Go interface	approved	F	5.2.0	Policy control over Go interface	N3
NP-020623	29.207	069	1	5.1.0	Rel-5	Go FailDecReason mapping to PCO error codes	approved	F	5.2.0	Policy control over Go interface	N3
NP-020621	29.207	071	2	5.1.0	Rel-5	Go PIB clarifications	approved	F	5.2.0	Policy control over Go interface	N3

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NP-020623	29.207	072		5.1.0	Rel-5	Coding for Go related error codes	approved	F	5.2.0	Policy control over Go interface	N3
NP-020626	29.208	009	1	5.1.0	Rel-5	QoS mapping in the case of forking	approved	F	5.2.0	End to end Quality of Service (QoS) signalling flows	N3
NP-020626	29.208	010	2	5.1.0	Rel-5	Terminology in TS 29.208 in line with TS 29.207and corrections	approved	F	5.2.0	End to end Quality of Service (QoS) signalling flows	N3
NP-020624	29.208	013	1	5.1.0	Rel-5	PCF to PDF Change	approved	F	5.2.0	End to end Quality of Service (QoS) signalling flows	N3
NP-020620	29.208	014		5.1.0	Rel-5	Removal of editors note regarding calculation of b=AS	approved	F	5.2.0	End to end Quality of Service (QoS) signalling flows	N3
NP-020622	29.208	018		5.1.0	Rel-5	Replacement of DIFFSERV class by QoS Class	approved	F	5.2.0	End to end Quality of Service (QoS) signalling flows	N3
NP-020617	43.010	007	1	5.1.0	Rel-5	CS Data Services (including HSCSD and EDGE) for GERAN Iu mode	approved	B	5.2.0	GSM Public Land Mobile Network (PLMN) connection types	N3
NP-020617	44.021	004	1	5.1.1	Rel-5	CS Data Services (including HSCSD and EDGE) for GERAN Iu mode	approved	B	5.2.0	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	N3
NP-020617	48.020	003	4	5.1.0	Rel-5	CS Data Services (including HSCSD and EDGE) for GERAN Iu mode	approved	B	5.2.0	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	N3
NP-020582	09.02	A329		7.11.0	R98	Correction of partly implemented CR 09.02-A324	approved	F	7.12.0	Mobile Application Part (MAP) Specification	N4
NP-020576	09.60	A117		6.12.0	R97	Removing inconsistency in definition of PDP Address length	approved	F	6.13.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol GPT) across the Gn and Gp Interface	N4
NP-020576	09.60	A118		7.9.0	R98	Removing inconsistency in definition of PDP Address length	approved	A	7.10.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol GPT) across the Gn and Gp Interface	N4
NP-020581	09.60	A119	2	7.9.0	R97	Enabling control of content served to subscribers based on their location	approved	A	7.10.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol GPT) across the Gn and Gp Interface	N4
NP-020581	09.60	A120	3	6.12.0	R98	Enabling control of content served to subscribers based on their location	approved	F	6.13.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol GPT) across the Gn and Gp Interface	N4
NP-020596	23.003	055	1	5.4.0	Rel-5	Iur-g Introduction	approved	F	5.5.0	Numbering, Addressing and Identification	N4
NP-020596	23.003	056	1	5.4.0	Rel-5	Editorial clean-up	approved	F	5.5.0	Numbering, Addressing and Identification	N4
NP-020586	23.003	057		5.4.0	Rel-5	Editorial correction of the private user identity's form	approved	F	5.5.0	Numbering, Addressing and Identification	N4
NP-020596	23.003	058		5.4.0	Rel-5	Addition of a reference to the ITU-T RECOMMENDATION	approved	F	5.5.0	Numbering, Addressing and Identification	N4
NP-020586	23.003	059		5.4.0	Rel-5	Correction to the form of public user identity	approved	F	5.5.0	Numbering, Addressing and Identification	N4
NP-020596	23.003	062	1	5.4.0	Rel-5	Fix miss-interworking for LMSI handling (Definition)	approved	A	5.5.0	Numbering, Addressing and Identification	N4
NP-020587	23.008	058		5.2.0	Rel-5	Addition of Barring Indication of multimedia public identities	approved	F	5.3.0	Organisation of subscriber data	N4
NP-020595	23.008	060		5.2.0	Rel-5	Deleting codeword related information	approved	F	5.3.0	Organisation of subscriber data	N4
NP-020586	23.008	061	1	5.2.0	Rel-5	Correction to the form of public user identity	approved	F	5.3.0	Organisation of subscriber data	N4
NP-020596	23.018	112	1	5.4.0	Rel-5	Clarification of requirements for the presence of IEs in messages	approved	F	5.5.0	Basic Call Handling; Technical realization	N4
NP-020596	23.079	020	1	5.1.0	Rel-5	Optimal routeing and CAMEL discrepancy	approved	F	5.2.0	Support of Optimal Routeing (SOR); Technical realization; Stage 2	N4
NP-020575	23.079	022	1	3.7.0	R99	Correction to figrue 7a (handling of RCH in GMSC)	approved	F	3.8.0	Support of Optimal Routeing (SOR); Technical realization; Stage 2	N4

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NP-020575	23.079	023	1	4.1.0	Rel-4	Correction to figrue 7a (handling of RCH in GMSC)	approved	A	4.2.0	Support of Optimal Routeing (SOR); Technical realization; Stage 2	N4
NP-020575	23.079	024	1	5.1.0	Rel-5	Correction to figrue 7a (handling of RCH in GMSC)	approved	A	5.2.0	Support of Optimal Routeing (SOR); Technical realization; Stage 2	N4
NP-020578	23.153	038	2	4.5.0	Rel-4	Correction/clarification to Codec Modification Procedures	approved	F	4.6.0	Out of Band Transcoder Control; Stage 2	N4
NP-020578	23.153	039	2	5.2.0	Rel-5	Correction/clarification to Codec Modification Procedures	approved	A	5.3.0	Out of Band Transcoder Control; Stage 2	N4
NP-020578	23.153	048		4.5.0	Rel-4	Alignment on the optionality on usage of GTT in case of relocation between RNC's connected to different 3G MSC's	approved	F	4.6.0	Out of Band Transcoder Control; Stage 2	N4
NP-020578	23.153	049		5.2.0	Rel-5	Alignment on the optionality on usage of GTT in case of relocation between RNC's connected to different 3G MSC's	approved	A	5.3.0	Out of Band Transcoder Control; Stage 2	N4
NP-020597	23.205	031	3	5.3.0	Rel-5	Iu-cs over IP related corrections on 23.205	approved	F	5.4.0	Bearer-independent circuit-switched core network; Stage 2	N4
NP-020596	23.205	035	2	5.3.0	Rel-5	CAMEL4 Call Party Handling interworking with Bearer independent CS core	approved	F	5.4.0	Bearer-independent circuit-switched core network; Stage 2	N4
NP-020596	23.205	036	1	5.3.0	Rel-5	Clarification of the termination of the Iu interface components in the bearer independent .CS architecture	approved	F	5.4.0	Bearer-independent circuit-switched core network; Stage 2	N4
NP-020595	24.080	026	2	5.2.0	Rel-5	Exception handling for positioning methods MS Assisted E-OTD and MS Assisted OTDOA	approved	F	5.3.0	Mobile radio Layer 3 supplementary service specification; Formats and coding	N4
NP-020599	29.002	442	3	5.3.0	Rel-5	Description of MT SM delivery via two serving nodes	approved	F	5.4.0	Mobile Application Part (MAP) specification	N4
NP-020594	29.002	474	2	5.3.0	Rel-5	Correction of handling of MT-SMS in the SGSN	approved	F	5.4.0	Mobile Application Part (MAP) specification	N4
NP-020599	29.002	475		5.3.0	Rel-5	ODB and CB for SMS	approved	F	5.4.0	Mobile Application Part (MAP) specification	N4
NP-020599	29.002	486		5.3.0	Rel-5	Correction of IMEI check for SGSN	approved	F	5.4.0	Mobile Application Part (MAP) specification	N4
NP-020594	29.002	490		5.3.0	Rel-5	Clarification of the use of Requested CAMEL Subscription Info parameters	approved	F	5.4.0	Mobile Application Part (MAP) specification	N4
NP-020603	29.002	491	1	5.3.0	Rel-6	Addition of LCS Format Indicator to LCS Client ID	approved	F	6.0.0	Mobile Application Part (MAP) specification	N4
NP-020599	29.002	492	5	5.3.0	Rel-5	Available codecs list and selected codec indication	approved	F	5.4.0	Mobile Application Part (MAP) specification	N4
NP-020575	29.002	494	1	3.14.0	R99	Correction to segmentation of O-CSI and T-CSI	approved	F	3.15.0	Mobile Application Part (MAP) specification	N4
NP-020594	29.002	495		5.3.0	Rel-5	Correction to RCH – adding O-CSI trigger criteria	approved	F	5.4.0	Mobile Application Part (MAP) specification	N4
NP-020594	29.002	496		5.3.0	Rel-5	Additional MM-Code for MG-CSI	approved	F	5.4.0	Mobile Application Part (MAP) specification	N4
NP-020594	29.002	497	1	5.3.0	Rel-5	Additional handling of partial implementations of CAMEL phase 4	approved	D	5.4.0	Mobile Application Part (MAP) specification	N4
NP-020575	29.002	498		4.9.0	Rel-4	Correction to segmentation of O-CSI and T-CSI	approved	A	4.10.0	Mobile Application Part (MAP) specification	N4
NP-020575	29.002	499		5.3.0	Rel-5	Correction to segmentation of O-CSI and T-CSI	approved	F	5.4.0	Mobile Application Part (MAP) specification	N4
NP-020575	29.002	506		3.14.0	R99	ODB correction	approved	F	3.15.0	Mobile Application Part (MAP) specification	N4

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NP-020575	29.002	507		4.9.0	Rel-4	ODB correction	approved	A	4.10.0	Mobile Application Part (MAP) specification	N4
NP-020575	29.002	508		5.3.0	Rel-5	ODB correction	approved	A	5.4.0	Mobile Application Part (MAP) specification	N4
NP-020577	29.002	510	1	4.9.0	Rel-4	Addtion of reference number to deferred location request procedure	approved	F	4.10.0	Mobile Application Part (MAP) specification	N4
NP-020577	29.002	511	1	5.3.0	Rel-5	Addtion of reference number to deferred location request procedure	approved	A	5.4.0	Mobile Application Part (MAP) specification	N4
NP-020595	29.002	512		5.3.0	Rel-5	Correcion of Codeword Handling	approved	F	5.4.0	Mobile Application Part (MAP) specification	N4
NP-020594	29.002	513		5.3.0	Rel-5	Reference to TS 23.078 in TS 29.002 regarding handling of VMSC address is missing	approved	F	5.4.0	Mobile Application Part (MAP) specification	N4
NP-020580	29.002	514	2	3.14.0	R99	Correction to the Service Handover parameters	approved	F	3.15.0	Mobile Application Part (MAP) specification	N4
NP-020580	29.002	515	2	4.9.0	Rel-4	Correction to the Service Handover parameters	approved	A	4.10.0	Mobile Application Part (MAP) specification	N4
NP-020580	29.002	516	2	5.3.0	Rel-5	Correction to the Service Handover parameters	approved	A	5.4.0	Mobile Application Part (MAP) specification	N4
NP-020603	29.002	517	2	5.3.0	Rel-6	Addition of V-GMLC Address to the Update Location and Update GPRS Location requests	approved	B	6.0.0	Mobile Application Part (MAP) specification	N4
NP-020603	29.002	518	3	5.3.0	Rel-6	Addition of V-GMLC Address to the Update Location and Update GPRS Location requests	approved	B	6.0.0	Mobile Application Part (MAP) specification	N4
NP-020603	29.002	519	2	5.3.0	Rel-6	Addition of V-GMLC Address to the Update Location and Update GPRS Location requests	approved	B	6.0.0	Mobile Application Part (MAP) specification	N4
NP-020599	29.002	521	1	5.3.0	Rel-5	Editorial Clean-Up	approved	F	5.4.0	Mobile Application Part (MAP) specification	N4
NP-020594	29.002	522		5.3.0	Rel-5	Introduction of the choice element "netPetNotReachable" for PS-Subsriber State	approved	F	5.4.0	Mobile Application Part (MAP) specification	N4
NP-020577	29.010	072	1	4.4.0	Rel-4	LCS: Adding missing parameter mapping to assistance data request procedure after inter-MSC SRNS Relocation	approved	F	4.5.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4
NP-020577	29.010	073	1	5.1.0	Rel-5	LCS: Adding missing parameter mapping to assistance data request procedure after inter-MSC SRNS Relocation	approved	A	5.2.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4
NP-020577	29.010	076		4.4.0	Rel-4	Correction on the use of "User Failure" error for LCS-MOLR operation	approved	F	4.5.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4

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NP-020577	29.010	077		5.1.0	Rel-5	Correction on the use of "User Failure" error for LCS-MOLR operation	approved	A	5.2.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4
NP-020596	29.010	078		5.1.0	Rel-5	Interworking between security mode procedure and relocation	approved	F	5.2.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4
NP-020580	29.010	082		3.9.0	R99	Correction to the Service Handover parameters	approved	F	3.10.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4
NP-020580	29.010	083		4.4.0	Rel-4	Correction to the Service Handover parameters	approved	A	4.5.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4
NP-020580	29.010	084		5.1.0	Rel-5	Correction to the Service Handover parameters	approved	A	5.2.0	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4
NP-020598	29.060	333	1	5.3.0	Rel-5	Support of mandatory IPv6 on the Iu interface	approved	F	5.4.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020598	29.060	348	4	5.3.0	Rel-5	Introductionof PCO in more session management messages	approved	F	5.4.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020598	29.060	350	1	5.3.0	Rel-5	Clarification on the inclusion of TEID II in SGSN Context Ack	approved	F	5.4.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020598	29.060	354	1	5.3.0	Rel-5	Removal of limitation in the Create PDP Context Request message	approved	F	5.4.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020598	29.060	355		5.3.0	Rel-5	Introduction of PCO IE in session management messages used in the Network-Initiated PDP Context Activation procedure (direction NW to MS)	approved	F	5.4.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020598	29.060	356	1	5.3.0	Rel-5	Introduction of PCO IE in session management messages used in the GGSN-Initiated PDP Context Modification procedure (direction NW to MS)	approved	F	5.4.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4

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NP-020598	29.060	357	1	5.3.0	Rel-5	Introduction of PCO IE in session management messages used in the GGSN-Initiated PDP Context Deactivation procedure (direction NW to MS)	approved	F	5.4.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020576	29.060	358	1	3.14.0	R99	PDCP sequence numbers in SGSN Context Response	approved	F	3.15.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020576	29.060	359	1	4.5.0	Rel-4	PDCP sequence numbers in SGSN Context Response	approved	A	4.6.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020576	29.060	360	1	5.3.0	Rel-5	PDCP sequence numbers in SGSN Context Response	approved	A	5.4.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020576	29.060	361		3.14.0	R99	Correction of incomplete impementation of CR 29.060-203r1	approved	F	3.15.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020598	29.060	362	3	5.3.0	Rel-5	Clarification of the placement of the fields in the PDP Context IE	approved	F	5.4.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020581	29.060	363	4	5.3.0	Rel-5	Enabling control of content served to subscribers based on their location	approved	A	5.4.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020581	29.060	364	2	4.5.0	Rel-4	Enabling control of content served to subscribers based on their location	approved	A	4.6.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020581	29.060	365	2	3.14.0	R99	Enabling control of content served to subscribers based on their location	approved	F	3.15.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020584	29.060	373	2	5.3.0	Rel-5	Clarification on IP fragmentation over Iu interface by reference	approved	A	5.4.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020584	29.060	374	1	4.5.0	Rel-4	Transfer of Charging characteristics in case of inter SGSN change	approved	F	4.6.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020584	29.060	375	1	5.3.0	Rel-5	Transfer of Charging characteristics in case of inter SGSN change	approved	A	5.4.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020583	29.060	380	1	3.14.0	R99	Clarification on presence of optional fields in GTP header	approved	F	3.15.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020583	29.060	381	1	4.5.0	Rel-4	Clarification on presence of optional fields in GTP header	approved	A	4.6.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020583	29.060	382	1	5.3.0	Rel-5	Clarification on presence of optional fields in GTP header	approved	A	5.4.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4
NP-020584	29.060	383		4.5.0	Rel-4	Clarification on IP fragmentation over Iu interface by reference	approved	F	4.6.0	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4

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NP-020585	29.202	006	2	4.2.0	Rel-4	M3UA for 3GPP networks	withdrawn	F		Signalling System No. 7 (SS7) signalling transport in core network; Stage 3	N4
NP-020664	29.202	006	2	4.2.0	Rel-4	M3UA for 3GPP networks	approved	F	4.3.0	Signalling System No. 7 (SS7) signalling transport in core network; Stage 3	N4
NP-020585	29.202	007	2	5.1.0	Rel-5	M3UA for 3GPP networks	withdrawn	A		Signalling System No. 7 (SS7) signalling transport in core network; Stage 3	N4
NP-020664	29.202	007	2	5.1.0	Rel-5	M3UA for 3GPP networks	approved	A	5.2.0	Signalling System No. 7 (SS7) signalling transport in core network; Stage 3	N4
NP-020664	29.202	008		4.2.0	Rel-4	IETF RFC Reference For M3UA	approved	F	4.3.0	Signalling System No. 7 (SS7) signalling transport in core network; Stage 3	N4
NP-020585	29.202	008		4.2.0	Rel-4	IETF RFC Reference For M3UA	withdrawn	F		Signalling System No. 7 (SS7) signalling transport in core network; Stage 3	N4
NP-020585	29.202	009		5.1.0	Rel-5	IETF RFC Reference For M3UA	revised	A		Signalling System No. 7 (SS7) signalling transport in core network; Stage 3	N4
NP-020664	29.202	009	1	5.1.0	Rel-5	IETF RFC Reference For M3UA	approved	A	5.2.0	Signalling System No. 7 (SS7) signalling transport in core network; Stage 3	N4
NP-020587	29.228	008	2	5.1.0	Rel-5	Rejection of registration of a Temporary Public Identity without active implicit registration	approved	F	5.2.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	N4
NP-020587	29.228	010		5.1.0	Rel-5	Removal of upper bounds in Cx i/f user profile	approved	F	5.2.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	N4
NP-020587	29.228	011		5.1.0	Rel-5	S-CSCF Assignment	approved	F	5.2.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	N4
NP-020587	29.228	012		5.1.0	Rel-5	NAS-Session-Key AVPs in MAA command	approved	F	5.2.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	N4
NP-020587	29.228	013	1	5.1.0	Rel-5	Correction to detailed behaviour of user registration status query	approved	F	5.2.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	N4
NP-020587	29.228	014	1	5.1.0	Rel-5	Removing the DDF dependencies from Cx interface	approved	F	5.2.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	N4
NP-020587	29.228	015	1	5.1.0	Rel-5	Clarification of SERVER_CHANGE de-registration reason code	approved	F	5.2.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	N4
NP-020589	29.228	016	1	5.1.0	Rel-5	Clarification of User-Authorization-Type AVP usage within the UAR	approved	F	5.2.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	N4
NP-020587	29.228	017		5.1.0	Rel-5	Correction to HSS initiated update of user profile	approved	F	5.2.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	N4
NP-020588	29.228	019		5.1.0	Rel-5	Editorial correction in charging information	approved	F	5.2.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	N4

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NP-020590	29.228	020	1	5.1.0	Rel-5	Error handling in S-CSCF when receiving too much data	approved	F	5.2.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	N4
NP-020587	29.228	021	1	5.1.0	Rel-5	Re-assignment of S-CSCF	approved	F	5.2.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	N4
NP-020591	29.228	022		5.1.0	Rel-5	Correction of the SPI	approved	F	5.2.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	N4
NP-020587	29.229	006		5.1.0	Rel-5	Addition of User-Name AVP to SAA	approved	F	5.2.0	Cx and Dx interfaces based on the Diameter protocol; Protocol details	N4
NP-020587	29.229	007		5.1.0	Rel-5	Editorial correction of SIP-Auth-Data-Item AVP definition	approved	F	5.2.0	Cx and Dx interfaces based on the Diameter protocol; Protocol details	N4
NP-020589	29.229	008	1	5.1.0	Rel-5	Clarification of REGISTRATION_AND_CAPABILITIES value	approved	F	5.2.0	Cx and Dx interfaces based on the Diameter protocol; Protocol details	N4
NP-020588	29.229	009		5.1.0	Rel-5	Editorial correction in charging information	approved	F	5.2.0	Cx and Dx interfaces based on the Diameter protocol; Protocol details	N4
NP-020590	29.229	010	1	5.1.0	Rel-5	Error handling in S-CSCF when receiving too much data	approved	F	5.2.0	Cx and Dx interfaces based on the Diameter protocol; Protocol details	N4
NP-020579	29.232	040	2	4.6.0	Rel-4	Termination ID Note	approved	F	4.7.0	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4
NP-020579	29.232	041	2	5.3.0	Rel-5	Termination ID Note	approved	A	5.4.0	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4
NP-020597	29.232	042	3	5.3.0	Rel-5	Iu-cs over IP related corrections on 29.232	approved	F	5.4.0	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4
NP-020578	29.232	045	2	4.6.0	Rel-4	Addition of IuFP package to Reserve Characteristics procedure	approved	F	4.7.0	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4
NP-020578	29.232	046	2	5.3.0	Rel-5	Addition of IuFP package to Reserve Characteristics procedure	approved	A	5.4.0	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4
NP-020594	29.232	052	2	5.3.0	Rel-5	CAMEL4 flexible tone package	approved	F	5.4.0	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4
NP-020592	29.328	007		5.1.0	Rel-5	Removal of upper bounds in Sh i/f user profile	approved	F	5.2.0	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	N4
NP-020593	29.328	008	1	5.1.0	Rel-5	Clarification on update of repository data	approved	F	5.2.0	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	N4
NP-020593	29.328	009	1	5.1.0	Rel-5	Removing the DDF dependencies from Sh interface	approved	F	5.2.0	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	N4
NP-020592	29.328	013	2	5.1.0	Rel-5	Error handling in HSS when being updated with too much data	approved	F	5.2.0	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	N4
NP-020591	29.328	014		5.1.0	Rel-5	Correction of the SPI	approved	F	5.2.0	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	N4
NP-020592	29.329	006		5.1.0	Rel-5	Error handling in HSS when being updated with too much data	approved	F	5.2.0	Sh interface based on the Diameter protocol	N4

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NP-020596	30.002	006		4.0.1	Rel-5	Alignment with use of ASN.1 (1997) standard	approved	F	5.0.0	Guidelines for the modification of the Mobile Application Part (MAP)	N4
RP-020845	25.211	173	-	5.2.0	Rel-5	Correction of the number of transport channels in clause 4.1	approved	F	5.3.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-020897	25.211	175	-	5.2.0	Rel-5	HSDPA Tx diversity of closed loop transmit diversity mode 2 use with HS-PDSCH/HS-SCCH	approved	F	5.3.0	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
RP-020850	25.212	161	1	5.2.0	Rel-5	Correction of coding of HARQ-ACK	rejected	F		Multiplexing and channel coding (FDD)	R1
RP-020846	25.212	163	-	5.2.0	Rel-5	Correction of CQI index to bit mapping	approved	F	5.3.0	Multiplexing and channel coding (FDD)	R1
RP-020846	25.212	164	-	5.2.0	Rel-5	Correction of mapping of HARQ-ACK	approved	F	5.3.0	Multiplexing and channel coding (FDD)	R1
RP-020850	25.214	295	2	5.2.0	Rel-5	Correction of DTX transmission in ACK/NACK field	rejected	F		Physical layer procedures (FDD)	R1
RP-020847	25.214	300	1	5.2.0	Rel-5	Corrections and clarifications to FDD CQI description	approved	F	5.3.0	Physical layer procedures (FDD)	R1
RP-020847	25.214	301	1	5.2.0	Rel-5	Criterion to determine primary cell for DSCH power control improvement	approved	F	5.3.0	Physical layer procedures (FDD)	R1
RP-020851	25.214	304	2	5.2.0	Rel-5	Introduction of Transport Block Size signaling procedure reference.	approved	F	5.3.0	Physical layer procedures (FDD)	R1
RP-020841	25.214	306	1	4.5.0	Rel-4	Clarification of closed loop timing adjustment mode	rejected	F		Physical layer procedures (FDD)	R1
RP-020841	25.214	307	-	5.2.0	Rel-5	Clarification of closed loop timing adjustment mode	approved	A	5.3.0	Physical layer procedures (FDD)	R1
RP-020842	25.215	131	1	5.1.0	Rel-5	Received Total Wide Band Power Measurement Definition	approved	A	5.2.0	Physical layer; Measurements (FDD)	R1
RP-020842	25.215	132	-	4.5.0	Rel-4	Received Total Wide Band Power Measurement Definition	approved	F	4.6.0	Physical layer; Measurements (FDD)	R1
RP-020848	25.221	105	-	5.2.0	Rel-5	Correction of the number of transport channels in clause 4.1	approved	F	5.3.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-020852	25.221	106	-	4.6.0	Rel-4	Editorial modification to the section numberings	approved	D	4.7.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-020852	25.221	107	-	5.2.0	Rel-5	Editorial modification to the section numberings	approved	D	5.3.0	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
RP-020843	25.222	099	1	4.5.0	Rel-4	Corrections to TFCI encoding of very short TFCI lengths	approved	F	4.6.0	Multiplexing and channel coding (TDD)	R1
RP-020843	25.222	100	-	5.2.1	Rel-5	Corrections to TFCI encoding of very short TFCI lengths	approved	A	5.3.0	Multiplexing and channel coding (TDD)	R1
RP-020843	25.222	101	1	4.5.0	Rel-4	Corrections to TFCI encoding of very short TFCI lengths	approved	F	4.6.0	Multiplexing and channel coding (TDD)	R1
RP-020843	25.222	102	-	5.2.1	Rel-5	Corrections to TFCI encoding of very short TFCI lengths	approved	A	5.3.0	Multiplexing and channel coding (TDD)	R1
RP-020849	25.222	103	-	5.2.1	Rel-5	Correction of editorial Error	approved	F	5.3.0	Multiplexing and channel coding (TDD)	R1
RP-020849	25.222	104	-	5.2.1	Rel-5	Miscellaneous Minor HSDPA Corrections	approved	F	5.3.0	Multiplexing and channel coding (TDD)	R1
RP-020852	25.222	106	-	4.5.0	Rel-4	Editorial modification to the section numberings	approved	D	4.6.0	Multiplexing and channel coding (TDD)	R1
RP-020852	25.222	107	-	5.2.1	Rel-5	Editorial modification to the section numberings	approved	D	5.3.0	Multiplexing and channel coding (TDD)	R1
RP-020852	25.223	032	-	4.4.0	Rel-4	Editorial modification to the section numberings	approved	D	4.5.0	Spreading and modulation (TDD)	R1
RP-020852	25.223	033	-	5.1.0	Rel-5	Editorial modification to the section numberings	approved	D	5.2.0	Spreading and modulation (TDD)	R1
RP-020854	25.224	102	1	5.2.1	Rel-5	Corrections and clarifications to TDD CQI description	approved	F	5.3.0	Physical layer procedures (TDD)	R1
RP-020840	25.224	103	-	3.11.0	R99	Editorial modification to the section headings	approved	F	3.12.0	Physical layer procedures (TDD)	R1
RP-020852	25.224	104	-	4.6.0	Rel-4	Editorial modification to the section numberings	approved	D	4.7.0	Physical layer procedures (TDD)	R1
RP-020852	25.224	105	-	5.2.1	Rel-5	Editorial modification to the section numberings	approved	D	5.3.0	Physical layer procedures (TDD)	R1
RP-020844	25.225	63	-	4.5.0	Rel-4	Received Total Wide Band Power Measurement Definition	approved	F	4.6.0	Physical layer; Measurements (TDD)	R1
RP-020844	25.225	64	-	5.2.0	Rel-5	Received Total Wide Band Power Measurement Definition	approved	A	5.3.0	Physical layer; Measurements (TDD)	R1
RP-020715	25.302	132	-	3.14.0	R99	Two realisations of an empty transport format	approved	F	3.15.0	Services provided by the physical layer	R2

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RP-020715	25.302	133	-	4.6.0	Rel-4	Two realisations of an empty transport format	approved	A	4.7.0	Services provided by the physical layer	R2
RP-020715	25.302	134	-	5.2.0	Rel-5	Two realisations of an empty transport format	approved	A	5.3.0	Services provided by the physical layer	R2
RP-020732	25.302	135	-	5.2.0	Rel-5	Corrections to the channel models for TDD	approved	F	5.3.0	Services provided by the physical layer	R2
RP-020716	25.304	102	-	3.11.0	R99	Highest HCS priority	approved	F	3.12.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-020716	25.304	103	-	4.5.0	Rel-4	Highest HCS priority	approved	A	4.6.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-020716	25.304	104	-	5.1.0	Rel-5	Highest HCS priority	approved	A	5.2.0	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
RP-020733	25.306	049	3	5.2.0	Rel-5	HSDPA L2 buffer sizes	approved	F	5.3.0	UE Radio Access capabilities definition	R2
RP-020857	25.306	050	-	4.5.0	Rel-4	UE capability for RFC3095	approved	F	4.6.0	UE Radio Access capabilities definition	R2
RP-020857	25.306	051	-	5.2.0	Rel-5	UE capability for RFC3095	approved	A	5.3.0	UE Radio Access capabilities definition	R2
RP-020717	25.306	052	1	3.6.0	R99	UE capability for RLC window size	approved	F	3.7.0	UE Radio Access capabilities definition	R2
RP-020717	25.306	053	1	4.5.0	Rel-4	UE capability for RLC window size	approved	A	4.6.0	UE Radio Access capabilities definition	R2
RP-020717	25.306	054	1	5.2.0	Rel-5	UE capability for RLC window size	approved	A	5.3.0	UE Radio Access capabilities definition	R2
RP-020733	25.306	056	-	5.2.0	Rel-5	Correction to Access Stratum release indicator	approved	F	5.3.0	UE Radio Access capabilities definition	R2
RP-020733	25.306	057	-	5.2.0	Rel-5	Dedicated pilot bits for HS-DSCH	approved	F	5.3.0	UE Radio Access capabilities definition	R2
RP-020734	25.308	003	2	5.2.0	Rel-5	Alignment with the physical layer specifications	approved	F	5.3.0	UTRA High Speed Downlink Packet Access (HSPDA); Overall description; Stage 2	R2
RP-020734	25.308	004	-	5.2.0	Rel-5	Generation of RLC Status Reports to coordinate with MAC-hs reset	approved	F	5.3.0	UTRA High Speed Downlink Packet Access (HSPDA); Overall description; Stage 2	R2
RP-020735	25.321	137	-	5.2.0	Rel-5	Generation of RLC Status Reports to coordinate with MAC-hs reset	approved	B	5.3.0	Medium Access Control (MAC) protocol specification	R2
RP-020735	25.321	138	-	5.2.0	Rel-5	Re-ordering Mechanism	approved	F	5.3.0	Medium Access Control (MAC) protocol specification	R2
RP-020735	25.321	139	-	5.2.0	Rel-5	Transport Block Size Signalling for 1.28Mcps TDD	approved	F	5.3.0	Medium Access Control (MAC) protocol specification	R2
RP-020718	25.321	140	1	3.13.0	R99	TFC selection for RACH transmissions	approved	F	3.14.0	Medium Access Control (MAC) protocol specification	R2
RP-020718	25.321	141	1	4.6.0	Rel-4	TFC selection for RACH transmissions	approved	A	4.7.0	Medium Access Control (MAC) protocol specification	R2
RP-020718	25.321	142	1	5.2.0	Rel-5	TFC selection for RACH transmissions	approved	A	5.3.0	Medium Access Control (MAC) protocol specification	R2
RP-020718	25.321	143	-	3.13.0	R99	RB id in ciphering	approved	F	3.14.0	Medium Access Control (MAC) protocol specification	R2
RP-020718	25.321	144	-	4.6.0	Rel-4	RB id in ciphering	approved	A	4.7.0	Medium Access Control (MAC) protocol specification	R2
RP-020718	25.321	145	-	5.2.0	Rel-5	RB id in ciphering	approved	A	5.3.0	Medium Access Control (MAC) protocol specification	R2
RP-020718	25.321	146	-	3.13.0	R99	Correction to TFC selection for TDD	approved	F	3.14.0	Medium Access Control (MAC) protocol specification	R2
RP-020718	25.321	147	-	4.6.0	Rel-4	Correction to TFC selection for TDD	approved	A	4.7.0	Medium Access Control (MAC) protocol specification	R2

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RP-020718	25.321	148	-	5.2.0	Rel-5	Correction to TFC selection for TDD	approved	A	5.3.0	Medium Access Control (MAC) protocol specification	R2
RP-020718	25.321	149	-	3.13.0	R99	Unblockable TFCs in excess power state	approved	F	3.14.0	Medium Access Control (MAC) protocol specification	R2
RP-020718	25.321	150	-	4.6.0	Rel-4	Unblockable TFCs in excess power state	approved	A	4.7.0	Medium Access Control (MAC) protocol specification	R2
RP-020718	25.321	151	-	5.2.0	Rel-5	Unblockable TFCs in excess power state	approved	A	5.3.0	Medium Access Control (MAC) protocol specification	R2
RP-020735	25.321	153	-	5.2.0	Rel-5	Limitation on number of PDUs per single TTI for 1.28 Mcps TDD	approved	F	5.3.0	Medium Access Control (MAC) protocol specification	R2
RP-020735	25.321	154	-	5.2.0	Rel-5	The Number of mac-d pdu's in a single mac-hs PDU for TDD	approved	F	5.3.0	Medium Access Control (MAC) protocol specification	R2
RP-020851	25.321	155	-	5.2.0	Rel-5	HSDPA Retransmission Block Size	approved	F	5.3.0	Medium Access Control (MAC) protocol specification	R2
RP-020874	25.321	156	-	3.13.0	R99	[MAC Ciphering - Alignment with SA3] Exact title TBD.	approved	F	3.14.0	Medium Access Control (MAC) protocol specification	R2
RP-020874	25.321	157	-	4.6.0	Rel-4	[MAC Ciphering - Alignment with SA3] Exact title TBD.	approved	A	4.7.0	Medium Access Control (MAC) protocol specification	R2
RP-020874	25.321	158	-	5.2.0	Rel-5	[MAC Ciphering - Alignment with SA3] Exact title TBD.	approved	A	5.3.0	Medium Access Control (MAC) protocol specification	R2
RP-020719	25.322	210	-	3.12.0	R99	RB id in ciphering	approved	F	3.13.0	Radio Link Control (RLC) protocol specification	R2
RP-020827	25.322	210	-	5.2.0	Rel-5	Generation of RLC Status Reports to coordinate with MAC-hs reset	withdrawn	B		Radio Link Control (RLC) protocol specification	R2
RP-020719	25.322	211	-	4.6.0	Rel-4	RB id in ciphering	approved	A	4.7.0	Radio Link Control (RLC) protocol specification	R2
RP-020719	25.322	212	-	5.2.0	Rel-5	RB id in ciphering	approved	A	5.3.0	Radio Link Control (RLC) protocol specification	R2
RP-020862	25.322	213	-	5.2.0	Rel-5	Generation of RLC Status Reports to coordinate with MAC-hs reset	approved	B	5.3.0	Radio Link Control (RLC) protocol specification	R2
RP-020720	25.324	011	1	3.5.0	R99	Bit order in BMC messages	approved	F	3.6.0	Broadcast/Multicast Control (BMC)	R2
RP-020720	25.324	012	1	4.1.0	Rel-4	Bit order in BMC messages	approved	A	4.2.0	Broadcast/Multicast Control (BMC)	R2
RP-020720	25.324	013	1	5.1.0	Rel-5	Bit order in BMC messages	approved	A	5.2.0	Broadcast/Multicast Control (BMC)	R2
RP-020721	25.331	1685	-	3.12.0	R99	Corrections to IEs "Ellipsoid point with Altitude and uncertainty Ellipsoid" and "Ellipsoid point with uncertainty Ellipse"	approved	F	3.13.0	Radio Resource Control (RRC) protocol specification	R2
RP-020721	25.331	1686	-	4.7.0	Rel-4	Corrections to IEs "Ellipsoid point with Altitude and uncertainty Ellipsoid" and "Ellipsoid point with uncertainty Ellipse"	approved	A	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020721	25.331	1687	-	5.2.0	Rel-5	Corrections to IEs "Ellipsoid point with Altitude and uncertainty Ellipsoid" and "Ellipsoid point with uncertainty Ellipse"	approved	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020721	25.331	1688	2	3.12.0	R99	Handling of Ciphering and integrity protection activation times	approved	F	3.13.0	Radio Resource Control (RRC) protocol specification	R2
RP-020721	25.331	1689	1	4.7.0	Rel-4	Handling of Ciphering and integrity protection activation times	approved	A	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020721	25.331	1690	1	5.2.0	Rel-5	Handling of Ciphering and integrity protection activation times	approved	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2

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RP-020721	25.331	1691	1	3.12.0	R99	Handling of measurements at state transitions to/from DCH state.	approved	F	3.13.0	Radio Resource Control (RRC) protocol specification	R2
RP-020721	25.331	1692	1	4.7.0	Rel-4	Handling of measurements at state transitions to/from DCH state.	approved	A	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020721	25.331	1693	-	5.2.0	Rel-5	Handling of measurements at state transitions to/from DCH state.	approved	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020721	25.331	1694	3	3.12.0	R99	Measurement related corrections	approved	F	3.13.0	Radio Resource Control (RRC) protocol specification	R2
RP-020721	25.331	1695	3	4.7.0	Rel-4	Measurement related corrections	approved	A	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020721	25.331	1696	2	5.2.0	Rel-5	Measurement related corrections	approved	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020721	25.331	1697	-	3.12.0	R99	ASN.1 of the SRNS relocation info	approved	F	3.13.0	Radio Resource Control (RRC) protocol specification	R2
RP-020721	25.331	1698	-	4.7.0	Rel-4	ASN.1 of the SRNS relocation info	approved	A	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020721	25.331	1699	-	5.2.0	Rel-5	ASN.1 of the SRNS relocation info	approved	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020858	25.331	1700	-	4.7.0	Rel-4	Correction of ASN1 IE "InterFreqCellInfoList-r4"	approved	F	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020858	25.331	1701	-	5.2.0	Rel-5	Correction of ASN1 IE "InterFreqCellInfoList-r4"	approved	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020858	25.331	1702	-	4.7.0	Rel-4	Correction of Special Burst Scheduling for TDD	approved	F	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020858	25.331	1703	-	5.2.0	Rel-5	Correction of Special Burst Scheduling for TDD	approved	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020858	25.331	1704	-	4.7.0	Rel-4	Correction of measurement reporting event 6f for 1.28 Mcps TDD	approved	F	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020858	25.331	1705	-	5.2.0	Rel-5	Correction of measurement reporting event 6f for 1.28 Mcps TDD	approved	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020736	25.331	1707	-	5.2.0	Rel-5	RRC container for RFC3095 context	approved	F	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020721	25.331	1708	1	3.12.0	R99	Corrections to PRACH selection	approved	F	3.13.0	Radio Resource Control (RRC) protocol specification	R2
RP-020721	25.331	1709	1	4.7.0	Rel-4	Corrections to PRACH selection	approved	A	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020721	25.331	1710	1	5.2.0	Rel-5	Corrections to PRACH selection	approved	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020722	25.331	1711	-	3.12.0	R99	TDD Downlink Path Loss for interfrequency measurement	approved	F	3.13.0	Radio Resource Control (RRC) protocol specification	R2
RP-020722	25.331	1712	-	4.7.0	Rel-4	TDD Downlink Path Loss for interfrequency measurement	approved	A	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020722	25.331	1713	-	5.2.0	Rel-5	TDD Downlink Path Loss for interfrequency measurement	approved	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020722	25.331	1714	-	3.12.0	R99	Correction on coding of GSM Classmark 2 and 3	revised	F		Radio Resource Control (RRC) protocol specification	R2
RP-020892	25.331	1714	1	3.12.0	R99	Correction on coding of GSM Classmark 2 and 3	approved	F	3.13.0	Radio Resource Control (RRC) protocol specification	R2

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RP-020722	25.331	1715	-	4.7.0	Rel-4	Correction on coding of GSM Classmark 2 and 3	revised	A		Radio Resource Control (RRC) protocol specification	R2
RP-020892	25.331	1715	1	4.7.0	Rel-4	Correction on coding of GSM Classmark 2 and 3	approved	A	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020722	25.331	1716	-	5.2.0	Rel-5	Correction on coding of GSM Classmark 2 and 3	revised	A		Radio Resource Control (RRC) protocol specification	R2
RP-020892	25.331	1716	1	5.2.0	Rel-5	Correction on coding of GSM Classmark 2 and 3	approved	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020722	25.331	1717	-	3.12.0	R99	Correction on Frame Allocation Calculation	approved	F	3.13.0	Radio Resource Control (RRC) protocol specification	R2
RP-020722	25.331	1718	-	4.7.0	Rel-4	Correction on Frame Allocation Calculation	approved	A	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020722	25.331	1719	-	5.2.0	Rel-5	Correction on Frame Allocation Calculation	approved	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020722	25.331	1720	-	3.12.0	R99	Inter-frequency measurements	approved	F	3.13.0	Radio Resource Control (RRC) protocol specification	R2
RP-020722	25.331	1721	-	4.7.0	Rel-4	Inter-frequency measurements	approved	A	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020722	25.331	1722	-	5.2.0	Rel-5	Inter-frequency measurements	approved	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020722	25.331	1723	-	3.12.0	R99	Maximum Allowed UL TX Power	approved	F	3.13.0	Radio Resource Control (RRC) protocol specification	R2
RP-020722	25.331	1724	-	4.7.0	Rel-4	Maximum Allowed UL TX Power	approved	A	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020722	25.331	1725	-	5.2.0	Rel-5	Maximum Allowed UL TX Power	approved	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020722	25.331	1726	-	3.12.0	R99	START values for the initialisation of SRB counters and UTRAN incorrect actions	approved	F	3.13.0	Radio Resource Control (RRC) protocol specification	R2
RP-020722	25.331	1727	-	4.7.0	Rel-4	START values for the initialisation of SRB counters and UTRAN incorrect actions	approved	A	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020722	25.331	1728	-	5.2.0	Rel-5	START values for the initialisation of SRB counters and UTRAN incorrect actions	approved	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020723	25.331	1729	-	3.12.0	R99	Correction to the RRC transaction table management	approved	F	3.13.0	Radio Resource Control (RRC) protocol specification	R2
RP-020723	25.331	1730	-	4.7.0	Rel-4	Correction to the RRC transaction table management	approved	A	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020723	25.331	1731	-	5.2.0	Rel-5	Correction to the RRC transaction table management	approved	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020725	25.331	1732	1	3.12.0	R99	Introduction of backwards compatible correction mechanism	revised	F	3.13.0	Radio Resource Control (RRC) protocol specification	R2
RP-020902	25.331	1732	2	3.12.0	R99	Introduction of backwards compatible correction mechanism	revised	F		Radio Resource Control (RRC) protocol specification	R2
RP-020903	25.331	1732	3	3.12.0	R99	Introduction of backwards compatible correction mechanism	approved	F		Radio Resource Control (RRC) protocol specification	R2
RP-020725	25.331	1733	1	4.7.0	Rel-4	Introduction of backwards compatible correction mechanism	revised	A	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020902	25.331	1733	2	4.7.0	Rel-4	Introduction of backwards compatible correction mechanism	revised	A		Radio Resource Control (RRC) protocol specification	R2

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RP-020903	25.331	1733	3	4.7.0	Rel-4	Introduction of backwards compatible correction mechanism	approved	A		Radio Resource Control (RRC) protocol specification	R2
RP-020725	25.331	1734	1	5.2.0	Rel-5	Introduction of backwards compatible correction mechanism	revised	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020902	25.331	1734	2	5.2.0	Rel-5	Introduction of backwards compatible correction mechanism	revised	A		Radio Resource Control (RRC) protocol specification	R2
RP-020903	25.331	1734	3	5.2.0	Rel-5	Introduction of backwards compatible correction mechanism	approved	A		Radio Resource Control (RRC) protocol specification	R2
RP-020723	25.331	1738	-	3.12.0	R99	Use of DCH Quality Target with Blind Transport Format Detection	approved	F	3.13.0	Radio Resource Control (RRC) protocol specification	R2
RP-020723	25.331	1739	-	4.7.0	Rel-4	Use of DCH Quality Target with Blind Transport Format Detection	approved	A	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020723	25.331	1740	-	3.12.0	R99	Correction to storing current TFC subset in variable TFC_SUBSET for TDD	approved	F	3.13.0	Radio Resource Control (RRC) protocol specification	R2
RP-020723	25.331	1741	-	4.7.0	Rel-4	Correction to storing current TFC subset in variable TFC_SUBSET for TDD	approved	A	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020723	25.331	1742	-	5.2.0	Rel-5	Correction to storing current TFC subset in variable TFC_SUBSET for TDD	approved	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020723	25.331	1743	-	3.12.0	R99	Security at inter-RAT handover	approved	F	3.13.0	Radio Resource Control (RRC) protocol specification	R2
RP-020723	25.331	1744	-	4.7.0	Rel-4	Security at inter-RAT handover	approved	A	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020723	25.331	1745	-	5.2.0	Rel-5	Security at inter-RAT handover	approved	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020723	25.331	1746	-	3.12.0	R99	Integrity protection activations times	approved	F	3.13.0	Radio Resource Control (RRC) protocol specification	R2
RP-020723	25.331	1747	-	4.7.0	Rel-4	Integrity protection activations times	approved	A	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020723	25.331	1748	-	5.2.0	Rel-5	Integrity protection activations times	approved	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020723	25.331	1749	-	3.12.0	R99	Additional measurements	approved	F	3.13.0	Radio Resource Control (RRC) protocol specification	R2
RP-020723	25.331	1750	-	4.7.0	Rel-4	Additional measurements	approved	A	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020723	25.331	1751	-	5.2.0	Rel-5	Additional measurements	approved	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020724	25.331	1752	-	3.12.0	R99	DPCH compressed mode info in Downlink information common for all RLs	approved	F	3.13.0	Radio Resource Control (RRC) protocol specification	R2
RP-020724	25.331	1753	-	4.7.0	Rel-4	DPCH compressed mode info in Downlink information common for all RLs	approved	A	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020724	25.331	1754	-	5.2.0	Rel-5	DPCH compressed mode info in Downlink information common for all RLs	approved	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020724	25.331	1755	1	3.12.0	R99	Handling of RB mapping	approved	F	3.13.0	Radio Resource Control (RRC) protocol specification	R2
RP-020724	25.331	1756	1	4.7.0	Rel-4	Handling of RB mapping	approved	A	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020724	25.331	1757	1	5.2.0	Rel-5	Handling of RB mapping	approved	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2

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RP-020726	25.331	1758	2	3.12.0	R99	Early UE Specific Behaviour Information in RRC Connection Request / inter RAT info	approved	F	3.13.0	Radio Resource Control (RRC) protocol specification	R2
RP-020726	25.331	1759	2	4.7.0	Rel-4	Early UE Specific Behaviour Information in RRC Connection Request / inter RAT info	approved	A	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020726	25.331	1760	2	5.2.0	Rel-5	Early UE Specific Behaviour Information in RRC Connection Request / inter RAT info	approved	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020726	25.331	1761	1	3.12.0	R99	Early UE Specific Behaviour Information in Handover Complete / Setup Complete	rejected	F	3.13.0	Radio Resource Control (RRC) protocol specification	R2
RP-020726	25.331	1762	1	4.7.0	Rel-4	Early UE Specific Behaviour Information in Handover Complete / Setup Complete	rejected	A	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020726	25.331	1763	1	5.2.0	Rel-5	Early UE Specific Behaviour Information in Handover Complete / Setup Complete	rejected	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020724	25.331	1764	-	3.12.0	R99	RLC window size in default configurations	approved	F	3.13.0	Radio Resource Control (RRC) protocol specification	R2
RP-020724	25.331	1765	-	4.7.0	Rel-4	RLC window size in default configurations	approved	A	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020724	25.331	1766	-	5.2.0	Rel-5	RLC window size in default configurations	approved	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020724	25.331	1767	-	3.12.0	R99	Corrections to Activation time	approved	F	3.13.0	Radio Resource Control (RRC) protocol specification	R2
RP-020724	25.331	1768	-	4.7.0	Rel-4	Corrections to Activation time	approved	A	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020724	25.331	1769	-	5.2.0	Rel-5	Corrections to Activation time	approved	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020724	25.331	1770	-	3.12.0	R99	Numbering of "ASC Setting" IEs included in "PRACH partitioning" IE	approved	F	3.13.0	Radio Resource Control (RRC) protocol specification	R2
RP-020724	25.331	1771	-	4.7.0	Rel-4	Numbering of "ASC Setting" IEs included in "PRACH partitioning" IE	approved	A	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020724	25.331	1772	-	5.2.0	Rel-5	Numbering of "ASC Setting" IEs included in "PRACH partitioning" IE	approved	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020727	25.331	1773	-	3.12.0	R99	Signalling of the timing adjustment mode for closed loop Tx diversity	approved	F	3.13.0	Radio Resource Control (RRC) protocol specification	R2
RP-020727	25.331	1774	-	4.7.0	Rel-4	Signalling of the timing adjustment mode for closed loop Tx diversity	approved	A	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020727	25.331	1775	-	4.7.0	Rel-4	Closed loop Tx diversity with different timing adjustment modes in the same active set	rejected	A		Radio Resource Control (RRC) protocol specification	R2
RP-020727	25.331	1776	-	5.2.0	Rel-5	Closed loop Tx diversity with different timing adjustment modes in the same active set	approved	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020724	25.331	1777	3	3.12.0	R99	Correction on support for compressed mode	approved	F	3.13.0	Radio Resource Control (RRC) protocol specification	R2
RP-020724	25.331	1778	2	4.7.0	Rel-4	Correction on support for compressed mode	approved	A	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020724	25.331	1779	2	5.2.0	Rel-5	Correction on support for compressed mode	approved	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020858	25.331	1780	-	4.7.0	Rel-4	Ciphering during SRNS relocation without reuse of COUNT-C	approved	F	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020858	25.331	1781	-	5.2.0	Rel-5	Ciphering during SRNS relocation without reuse of COUNT-C	approved	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2

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RP-020858	25.331	1782	-	4.7.0	Rel-4	Correction to IE "Intra Domain NAS Node Selector"	approved	F	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020858	25.331	1783	-	5.2.0	Rel-5	Correction to IE "Intra Domain NAS Node Selector"	approved	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020858	25.331	1784	-	4.7.0	Rel-4	Correction to PRACH selection	approved	F	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020858	25.331	1785	-	5.2.0	Rel-5	Correction to PRACH selection	approved	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020859	25.331	1786	-	4.7.0	Rel-4	Correction to reporting event 6f for FDD	approved	F	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020859	25.331	1787	-	5.2.0	Rel-5	Correction to reporting event 6f for FDD	approved	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020726	25.331	1788	1	3.12.0	R99	Compact IMEI-SV transfer across Uu and within RRC containers	rejected	F	3.13.0	Radio Resource Control (RRC) protocol specification	R2
RP-020726	25.331	1789	1	4.7.0	Rel-4	Compact IMEI-SV transfer across Uu and within RRC containers	rejected	A	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020726	25.331	1790	1	5.2.0	Rel-5	Compact IMEI-SV transfer across Uu and within RRC containers	rejected	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020736	25.331	1791	-	5.2.0	Rel-5	Correction to IE "Access stratum release indicator"	approved	F	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020736	25.331	1792	-	5.2.0	Rel-5	RLC capability for HSDPA	approved	F	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020737	25.331	1793	-	5.2.0	Rel-5	HSDPA parameter value ranges	revised	F		Radio Resource Control (RRC) protocol specification	R2
RP-020863	25.331	1793	1	5.2.0	Rel-5	HSDPA parameter value ranges	revised	F		Radio Resource Control (RRC) protocol specification	R2
RP-020896	25.331	1793	2	5.2.0	Rel-5	HSDPA parameter value ranges	approved	F	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020736	25.331	1794	-	5.2.0	Rel-5	Dedicated pilot bits for HS-DSCH	approved	F	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020736	25.331	1795	-	5.2.0	Rel-5	Expansion of CPICH RSCP range	approved	C	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020736	25.331	1796	-	5.2.0	Rel-5	L3 Retransmission of event 1b	approved	C	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020736	25.331	1797	-	5.2.0	Rel-5	DPC mode change in ACTIVE SET UPDATE message	approved	F	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020736	25.331	1798	-	5.2.0	Rel-5	Correction to handling of IE 'Downlink information for each RL'	approved	F	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020738	25.331	1799	-	5.2.0	Rel-5	Group release with security	rejected	C		Radio Resource Control (RRC) protocol specification	R2
RP-020738	25.331	1800	-	5.2.0	Rel-5	Group release without security	rejected	C		Radio Resource Control (RRC) protocol specification	R2
RP-020859	25.331	1801	-	4.7.0	Rel-4	ASN.1 corrections	approved	F	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020859	25.331	1802	-	5.2.0	Rel-5	ASN.1 corrections	approved	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020723	25.331	1803	-	5.2.0	Rel-5	Use of DCH Quality Target with Blind Transport Format Detection	approved	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2

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RP-020859	25.331	1804	-	4.7.0	Rel-4	Asymmetric ROHC Configuration	approved	F	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020859	25.331	1805	-	5.2.0	Rel-5	Asymmetric ROHC Configuration	approved	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020859	25.331	1806	-	4.7.0	Rel-4	Reference Cell for GSM OTD Measurement	approved	F	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020859	25.331	1807	-	5.2.0	Rel-5	Reference Cell for GSM OTD Measurement	approved	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020893	25.331	1808	-	3.12.0	R99	[Integrity protection] Exact title TBD.	approved	F	3.13.0	Radio Resource Control (RRC) protocol specification	R2
RP-020893	25.331	1809	-	4.7.0	Rel-4	[Integrity protection] Exact title TBD.	approved	A	4.8.0	Radio Resource Control (RRC) protocol specification	R2
RP-020893	25.331	1810	-	5.2.0	Rel-5	[Integrity protection] Exact title TBD.	approved	A	5.3.0	Radio Resource Control (RRC) protocol specification	R2
RP-020725	25.921	042	-	3.7.0	R99	Introduction of backwards compatible correction mechanism	approved	F	3.8.0	Guidelines and principles for protocol description and error handling	R2
RP-020725	25.921	043	-	4.4.0	Rel-4	Introduction of backwards compatible correction mechanism	approved	A	4.5.0	Guidelines and principles for protocol description and error handling	R2
RP-020725	25.921	044	-	5.0.0	Rel-5	Introduction of backwards compatible correction mechanism	approved	A	5.1.0	Guidelines and principles for protocol description and error handling	R2
RP-020728	34.109	020	-	3.7.0	R99	Reference Measurement Channels references	approved	F	3.8.0	Terminal logical test interface; Special conformance testing functions	R2
RP-020728	34.109	021	-	4.3.0	Rel-4	Reference Measurement Channels references	approved	A	4.4.0	Terminal logical test interface; Special conformance testing functions	R2
RP-020728	34.109	022	-	5.1.0	Rel-5	Reference Measurement Channels references	approved	A	5.2.0	Terminal logical test interface; Special conformance testing functions	R2
RP-020750	25.401	061	-	4.5.0	Rel-4	Definition of URA	approved	F	4.6.0	UTRAN overall description	R3
RP-020750	25.401	062	-	5.4.0	Rel-5	Definition of URA	approved	A	5.5.0	UTRAN overall description	R3
RP-020764	25.401	064	1	5.4.0	Rel-5	Corrections to the SNA Access Control Function	approved	F	5.5.0	UTRAN overall description	R3
RP-020756	25.402	038	-	4.5.0	Rel-4	Node B Synchronisation for 3.84Mcps TDD	approved	F	4.6.0	Synchronisation in UTRAN Stage 2	R3
RP-020764	25.410	043	2	5.2.0	Rel-5	Introduction of the Access Control Function	approved	F	5.3.0	UTRAN Iu Interface: General Aspects and Principles	R3
RP-020751	25.413	516	-	4.6.0	Rel-4	Correction to RANAP RESET procedure	approved	F	4.7.0	UTRAN Iu interface RANAP signalling	R3
RP-020751	25.413	517	-	5.2.0	Rel-5	Correction to RANAP RESET procedure	approved	A	5.3.0	UTRAN Iu interface RANAP signalling	R3
RP-020745	25.413	520	1	3.11.1	R99	Transfer of Faults Bitmap over Iu for the handling of early mobiles	rejected	F		UTRAN Iu interface RANAP signalling	R3
RP-020751	25.413	521	1	4.6.0	Rel-4	Rel4 Common CR after RANAP review	approved	F	4.7.0	UTRAN Iu interface RANAP signalling	R3
RP-020751	25.413	522	1	5.2.0	Rel-5	Rel4 Common CR after RANAP review	approved	A	5.3.0	UTRAN Iu interface RANAP signalling	R3
RP-020751	25.413	525	2	4.6.0	Rel-4	Correction to enable Rel4 extensions in Location Reporting Control procedure.	withdrawn	F		UTRAN Iu interface RANAP signalling	R3
RP-020819	25.413	525	3	4.6.0	Rel-4	Correction to enable Rel4 extensions in Location Reporting Control procedure.	withdrawn	F		UTRAN Iu interface RANAP signalling	R3
RP-020860	25.413	525	4	4.6.0	Rel-4	Correction to enable Rel4 extensions in Location Reporting Control procedure.	approved	F	4.7.0	UTRAN Iu interface RANAP signalling	R3
RP-020751	25.413	526	2	5.2.0	Rel-5	Correction to enable Rel4 extensions in Location Reporting Control procedure.	withdrawn	A		UTRAN Iu interface RANAP signalling	R3

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RP-020819	25.413	526	3	5.2.0	Rel-5	Correction to enable Rel4 extensions in Location Reporting Control procedure.	withdrawn	A		UTRAN Iu interface RANAP signalling	R3
RP-020860	25.413	526	4	5.2.0	Rel-5	Correction to enable Rel4 extensions in Location Reporting Control procedure.	approved	A	5.3.0	UTRAN Iu interface RANAP signalling	R3
RP-020741	25.413	527	2	3.11.1	R99	Correction of RAB Subflows and SRBs mapping onto the transport channel identifiers of Iur in the Source RNC to Target RNC transparent container.	approved	F	3.12.0	UTRAN Iu interface RANAP signalling	R3
RP-020741	25.413	528	2	4.6.0	Rel-4	Correction of RAB Subflows and SRBs mapping onto the transport channel identifiers of Iur in the Source RNC to Target RNC transparent container.	approved	A	4.7.0	UTRAN Iu interface RANAP signalling	R3
RP-020741	25.413	529	2	5.2.0	Rel-5	Correction of RAB Subflows and SRBs mapping onto the transport channel identifiers of Iur in the Source RNC to Target RNC transparent container.	approved	A	5.3.0	UTRAN Iu interface RANAP signalling	R3
RP-020741	25.413	530	1	3.11.1	R99	Correction of coding of GSM IEs	approved	F	3.12.0	UTRAN Iu interface RANAP signalling	R3
RP-020741	25.413	531	1	4.6.0	Rel-4	Correction of coding of GSM IEs	approved	A	4.7.0	UTRAN Iu interface RANAP signalling	R3
RP-020741	25.413	532	1	5.2.0	Rel-5	Correction of coding of GSM IEs	approved	A	5.3.0	UTRAN Iu interface RANAP signalling	R3
RP-020760	25.413	533	1	5.2.0	Rel-5	New cause codes for UTRAN sharing in connected mode	approved	F	5.3.0	UTRAN Iu interface RANAP signalling	R3
RP-020751	25.413	534	1	4.6.0	Rel-4	Encoding of information elements	approved	F	4.7.0	UTRAN Iu interface RANAP signalling	R3
RP-020751	25.413	535	1	5.2.0	Rel-5	Encoding of Information Elements	approved	A	5.3.0	UTRAN Iu interface RANAP signalling	R3
RP-020749	25.413	538	2	3.11.1	R99	Inclusion of a UE Specific Behaviour Information in RANAP containers as an alternative of RCC container	rejected	F		UTRAN Iu interface RANAP signalling	R3
RP-020748	25.413	539	-	3.11.1	R99	Inclusion of UE Specific Behaviour Information in RANAP containers for usage by GSM-BSS	rejected	F		UTRAN Iu interface RANAP signalling	R3
RP-020747	25.413	540	-	3.11.1	R99	Inclusion of IMEI-SV based “UE Specific Behaviour Information” in “Source RNC to Target RNC Transparent Container” for handling of early mobiles.	rejected	F		UTRAN Iu interface RANAP signalling	R3
RP-020746	25.413	541	-	3.11.1	R99	Transfer of IMEISV over Iu for the Handling of Early Mobiles	rejected	F		UTRAN Iu interface RANAP signalling	R3
RP-020742	25.414	041	-	3.11.0	R99	Correction to Iu-ps IP/ATM	approved	F	3.12.0	UTRAN Iu interface data transport & transport signalling	R3
RP-020742	25.414	042	-	4.4.0	Rel-4	Correction to Iu-ps IP/ATM	approved	A	4.5.0	UTRAN Iu interface data transport & transport signalling	R3
RP-020742	25.414	043	-	5.2.0	Rel-5	Correction to Iu-ps IP/ATM	approved	A	5.3.0	UTRAN Iu interface data transport & transport signalling	R3
RP-020772	25.414	044	1	4.4.0	Rel-4	Clarification on IP fragmentation over Iu interface (set 1: changes in RAN3 specs)	approved	F	4.5.0	UTRAN Iu interface data transport & transport signalling	R3
RP-020772	25.414	045	1	5.2.0	Rel-5	Clarification on IP fragmentation over Iu interface (set 1: Changes in RAN3 specs)	approved	A	5.3.0	UTRAN Iu interface data transport & transport signalling	R3
RP-020761	25.414	049	-	5.2.0	Rel-5	Correction on RTP timestamp usage	approved	F	5.3.0	UTRAN Iu interface data transport & transport signalling	R3
RP-020761	25.414	051	1	5.2.0	Rel-5	Clarification on application of IP-ALCAP in Rel5	approved	F	5.3.0	UTRAN Iu interface data transport & transport signalling	R3
RP-020752	25.415	115	-	4.6.0	Rel-4	Handling of FQC in down link, missing RNC action	approved	F	4.7.0	UTRAN Iu interface user plane protocols	R3
RP-020752	25.415	116	-	5.2.0	Rel-5	Handling of FQC in down link, missing RNC action	approved	A	5.3.0	UTRAN Iu interface user plane protocols	R3
RP-020752	25.415	117	1	4.6.0	Rel-4	Rapporteurs corrections	approved	F	4.7.0	UTRAN Iu interface user plane protocols	R3
RP-020752	25.415	118	1	5.2.0	Rel-5	Rapporteurs corrections	approved	A	5.3.0	UTRAN Iu interface user plane protocols	R3
RP-020758	25.423	723	-	4.6.0	Rel-4	Add UL SIR_target for Unsynchronized RL Reconfiguration in 1.28Mcps TDD	approved	F	4.7.0	UTRAN Iur interface RNSAP signalling	R3

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RP-020758	25.423	724	-	5.3.0	Rel-5	Add UL SIR_target for Unsynchronized RL Reconfiguration in 1.28Mcps TDD	approved	A	5.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-020757	25.423	725	-	4.6.0	Rel-4	Correction to RX Timing Deviation LCR value range	approved	F	4.7.0	UTRAN Iur interface RNSAP signalling	R3
RP-020757	25.423	726	-	5.3.0	Rel-5	Correction to RX Timing Deviation LCR value range	approved	A	5.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-020759	25.423	727	2	4.6.0	Rel-4	Slot Format for 1.28Mcps TDD	approved	F	4.7.0	UTRAN Iur interface RNSAP signalling	R3
RP-020759	25.423	728	2	5.3.0	Rel-5	Slot Format for 1.28Mcps TDD	approved	A	5.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-020762	25.423	729	1	5.3.0	Rel-5	MAC-hs Reset Indicator	approved	F	5.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-020773	25.423	730	1	5.3.0	Rel-5	Measurement power offset signalling for HSDPA	approved	F	5.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-020768	25.423	731	-	5.3.0	Rel-5	Power Offset Values for HS-DPCCH	approved	F	5.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-020762	25.423	732	-	5.3.0	Rel-5	Corrections on the Cell Capacity Class	approved	F	5.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-020762	25.423	733	-	5.3.0	Rel-5	Rel-5 ASN.1 Cleaning-up	approved	F	5.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-020753	25.423	737	2	4.6.0	Rel-4	Final Corrections from RNSAP Procedure Review	approved	F	4.7.0	UTRAN Iur interface RNSAP signalling	R3
RP-020753	25.423	738	2	5.3.0	Rel-5	Final Corrections from RNSAP Procedure Review	approved	A	5.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-020767	25.423	742	1	5.3.0	Rel-5	Addition of the second TDD Channelisation Code of HS-SCCH for the 1.28Mcps TDD option.	approved	F	5.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-020765	25.423	744	1	5.3.0	Rel-5	Clarification of the usage of HS-DSCH-RNTI	approved	F	5.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-020766	25.423	753	-	5.3.0	Rel-5	Clarification for the inclusion of the DL Power Balancing Updated Indicator IE	approved	F	5.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-020744	25.423	754	-	3.11.0	R99	Correction for the DL DPDCH transmission	approved	F	3.12.0	UTRAN Iur interface RNSAP signalling	R3
RP-020744	25.423	755	-	4.6.0	Rel-4	Correction for the DL DPDCH transmission	approved	A	4.7.0	UTRAN Iur interface RNSAP signalling	R3
RP-020744	25.423	756	-	5.3.0	Rel-5	Correction for the DL DPDCH transmission	approved	A	5.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-020769	25.423	757	1	5.3.0	Rel-5	MAC-hs Window Size	revised	F		UTRAN Iur interface RNSAP signalling	R3
RP-020824	25.423	757	2	5.3.0	Rel-5	MAC-hs Window Size	withdrawn	F		UTRAN Iur interface RNSAP signalling	R3
RP-020855	25.423	757	3	5.3.0	Rel-5	MAC-hs Window Size	approved	F	5.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-020743	25.423	761	1	3.11.0	R99	DSCH-RNTI in RADIO LINK SETUP FAILURE	approved	F	3.12.0	UTRAN Iur interface RNSAP signalling	R3
RP-020743	25.423	762	1	4.6.0	Rel-4	DSCH-RNTI in RADIO LINK SETUP FAILURE	approved	A	4.7.0	UTRAN Iur interface RNSAP signalling	R3
RP-020743	25.423	763	1	5.3.0	Rel-5	DSCH-RNTI in RADIO LINK SETUP FAILURE	approved	A	5.4.0	UTRAN Iur interface RNSAP signalling	R3
RP-020770	25.425	055	1	5.2.0	Rel-5	Clarification for the initial capacity allocation of HS-DSCH	approved	F	5.3.0	UTRAN Iur interface user plane protocols for CCH data streams	R3
RP-020771	25.425	057	1	5.2.0	Rel-5	Clarification for the Maximum MAC-d PDU Length	approved	F	5.3.0	UTRAN Iur interface user plane protocols for CCH data streams	R3
RP-020744	25.427	086	-	3.9.0	R99	Correction for the DL DPDCH transmission	approved	F	3.10.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	R3
RP-020744	25.427	087	-	4.3.0	Rel-4	Correction for the DL DPDCH transmission	approved	A	4.4.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	R3
RP-020744	25.427	088	-	5.0.0	Rel-5	Correction for the DL DPDCH transmission	approved	A	5.1.0	UTRAN Iur and Iub interface user plane protocols for DCH data streams	R3
RP-020754	25.433	746	-	4.6.0	Rel-4	Alignment of Error Indication procedure text to the latest RNSAP	approved	F	4.7.0	UTRAN Iub interface NBAP signalling	R3
RP-020754	25.433	747	-	5.2.0	Rel-5	Alignment of Error Indication procedure text to the latest RNSAP	approved	A	5.3.0	UTRAN Iub interface NBAP signalling	R3
RP-020758	25.433	748	-	4.6.0	Rel-4	Add UL SIR_target for Unsynchronized RL Reconfiguration in 1.28Mcps TDD	approved	F	4.7.0	UTRAN Iub interface NBAP signalling	R3
RP-020758	25.433	749	-	5.2.0	Rel-5	Add UL SIR_target for Unsynchronized RL Reconfiguration in 1.28Mcps TDD	approved	A	5.3.0	UTRAN Iub interface NBAP signalling	R3
RP-020757	25.433	750	-	4.6.0	Rel-4	Correction to RX Timing Deviation LCR value range	approved	F	4.7.0	UTRAN Iub interface NBAP signalling	R3
RP-020757	25.433	751	-	5.2.0	Rel-5	Correction to RX Timing Deviation LCR value range	approved	A	5.3.0	UTRAN Iub interface NBAP signalling	R3

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RP-020759	25.433	752	2	4.6.0	Rel-4	Slot Format for 1.28Mcps TDD	approved	F	4.7.0	UTRAN Iub interface NBAP signalling	R3
RP-020759	25.433	753	2	5.2.0	Rel-5	Slot Format for 1.28Mcps TDD	approved	A	5.3.0	UTRAN Iub interface NBAP signalling	R3
RP-020754	25.433	754	-	4.6.0	Rel-4	SYNC_DL Code ID for 1.28Mcps TDD	approved	F	4.7.0	UTRAN Iub interface NBAP signalling	R3
RP-020754	25.433	755	-	5.2.0	Rel-5	SYNC_DL Code ID for 1.28Mcps TDD	approved	A	5.3.0	UTRAN Iub interface NBAP signalling	R3
RP-020773	25.433	756	1	5.2.0	Rel-5	Measurement power offset signalling for HSDPA	approved	F	5.3.0	UTRAN Iub interface NBAP signalling	R3
RP-020768	25.433	757	-	5.2.0	Rel-5	Power Offset Values for HS-DPCCH	approved	F	5.3.0	UTRAN Iub interface NBAP signalling	R3
RP-020769	25.433	764	1	5.2.0	Rel-5	MAC-hs Window Size	revised	F		UTRAN Iub interface NBAP signalling	R3
RP-020824	25.433	764	2	5.2.0	Rel-5	MAC-hs Window Size	withdrawn	F		UTRAN Iub interface NBAP signalling	R3
RP-020855	25.433	764	3	5.2.0	Rel-5	MAC-hs Window Size	approved	F	5.3.0	UTRAN Iub interface NBAP signalling	R3
RP-020754	25.433	766	1	4.6.0	Rel-4	Clarification on the Minimum Spreading Factor for TDD	approved	F	4.7.0	UTRAN Iub interface NBAP signalling	R3
RP-020754	25.433	767	1	5.2.0	Rel-5	Clarification on the Minimum Spreading Factor for TDD	approved	A	5.3.0	UTRAN Iub interface NBAP signalling	R3
RP-020756	25.433	768	1	4.6.0	Rel-4	Node B Synchronisation for 3.84Mcps TDD	approved	F	4.7.0	UTRAN Iub interface NBAP signalling	R3
RP-020767	25.433	770	1	5.2.0	Rel-5	Addition of the second TDD Channelisation Code of HS-SCCH for the 1.28Mcps TDD option.	approved	F	5.3.0	UTRAN Iub interface NBAP signalling	R3
RP-020765	25.433	772	1	5.2.0	Rel-5	Clarification of the usage of HS-DSCH-RNTI	approved	F	5.3.0	UTRAN Iub interface NBAP signalling	R3
RP-020754	25.433	779	-	4.6.0	Rel-4	Clarification to RACH for 1.28Mcps TDD	approved	F	4.7.0	UTRAN Iub interface NBAP signalling	R3
RP-020754	25.433	780	-	5.2.0	Rel-5	Clarification to RACH for 1.28Mcps TDD	approved	A	5.3.0	UTRAN Iub interface NBAP signalling	R3
RP-020763	25.433	781	-	5.2.0	Rel-5	Correction for the definition of the MAC-hs Reordering Buffer Size IE	approved	F	5.3.0	UTRAN Iub interface NBAP signalling	R3
RP-020766	25.433	782	-	5.2.0	Rel-5	Clarification for the inclusion of the DL Power Balancing Updated Indicator IE	approved	F	5.3.0	UTRAN Iub interface NBAP signalling	R3
RP-020744	25.433	783	-	3.11.0	R99	Correction for the DL DPDCH transmission	approved	F	3.12.0	UTRAN Iub interface NBAP signalling	R3
RP-020744	25.433	784	-	4.6.0	Rel-4	Correction for the DL DPDCH transmission	approved	A	4.7.0	UTRAN Iub interface NBAP signalling	R3
RP-020744	25.433	785	-	5.2.0	Rel-5	Correction for the DL DPDCH transmission	approved	A	5.3.0	UTRAN Iub interface NBAP signalling	R3
RP-020770	25.435	089	1	5.2.0	Rel-5	Clarification for the initial capacity allocation of HS-DSCH	approved	F	5.3.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-020771	25.435	091	1	5.2.0	Rel-5	Clarification for the Maximum MAC-d PDU Length	approved	F	5.3.0	UTRAN Iub interface user plane protocols for CCH data streams	R3
RP-020755	29.108	009	1	4.2.0	Rel-4	Explicit indication of relocation related messages	approved	F	4.3.0	Application of the Radio Access Network Application Part (RANAP) on the E-interface	R3
RP-020755	29.108	010	1	5.1.0	Rel-5	Explicit indication of relocation related messages	approved	A	5.2.0	Application of the Radio Access Network Application Part (RANAP) on the E-interface	R3
RP-020778	25.101	194		3.11.0	R99	Correction for TPC combining test case 1	approved	F	3.12.0	UE Radio transmission and reception (FDD)	R4
RP-020778	25.101	195		5.4.0	Rel-5	Correction for TPC combining test case 1	approved	A	5.5.0	UE Radio transmission and reception (FDD)	R4
RP-020778	25.101	196		4.5.0	Rel-4	Correction for TPC combining test case 1	approved	A	4.6.0	UE Radio transmission and reception (FDD)	R4
RP-020803	25.101	198		5.4.0	Rel-5	Correction to Specified TBS for HSDPA Reference Channels	approved	F	5.5.0	UE Radio transmission and reception (FDD)	R4
RP-020803	25.101	200	1	5.4.0	Rel-5	Introduction of requirements for HSDPA UE categories 11 and 12	approved	B	5.5.0	UE Radio transmission and reception (FDD)	R4
RP-020803	25.102	127	1	5.2.0	Rel-5	Addition of HSDPA UE requirements for 3,84 Mcps TDD option for 16QAM and QPSK for fixed reference channels	approved	B	5.3.0	UTRA (UE) TDD; Radio transmission and reception	R4

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RP-020803	25.102	128	1	5.2.0	Rel-5	Addition of HSDPA UE requirements for 3,84 Mcps TDD option for 16QAM and QPSK for variable reference channels	approved	B	5.3.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-020782	25.102	129		4.6.0	Rel-4	Introduction of Rel-5 clarifications and small corrections in Rel-4	approved	F	4.7.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-020782	25.102	130		4.6.0	Rel-4	Name correction of logical and transport channels	approved	F	4.7.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-020782	25.102	131		5.2.0	Rel-5	Name correction of logical and transport channels	approved	A	5.3.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-020803	25.102	132	1	5.2.0	Rel-5	HSDPA UE requirements for 1.28 Mcps TDD option for 16QAM and QPSK for fixed reference channels	approved	F	5.3.0	UTRA (UE) TDD; Radio transmission and reception	R4
RP-020802	25.104	148	1	5.4.0	Rel-6	Introduction of Base Station Classes	approved	B	6.0.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-020781	25.104	149	1	4.5.0	Rel-4	FDD GSM co-existence in the Same Geographic Area	approved	A	4.6.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-020781	25.104	150		5.4.0	Rel-5	FDD GSM 850 / PCS 1900 co-existence in the Same Geographic Area	approved	F	5.5.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-020781	25.104	153		5.4.0	Rel-5	FDD GSM co-existence in the Same Geographic Area	approved	A	5.5.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-020791	25.104	159	1	4.5.0	Rel-4	BS IPDL requirement	approved	F	4.6.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-020791	25.104	160	1	5.4.0	Rel-5	BS IPDL requirement	approved	A	5.5.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-020783	25.104	161		4.5.0	Rel-4	Correction to table of regional requirements	approved	F	4.6.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-020783	25.104	162		5.4.0	Rel-5	Correction to table of regional requirements	approved	A	5.5.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-020796	25.104	163		5.4.0	Rel-5	General Release 5 corrections	approved	F	5.5.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-020796	25.104	166		5.4.0	Rel-5	Clarification of TX diversity requirements	approved	F	5.5.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-020781	25.104	167		3.10.0	R99	FDD GSM co-existence in the Same Geographic Area	approved	F	3.11.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-020895	25.104	168	-	5.4.0	Rel-6	Regional requirement on FDD base station classes	approved	B	6.0.0	UTRA (BS) FDD; Radio transmission and reception	R4
RP-020784	25.105	128	1	4.5.0	Rel-4	Introduction of Rel-5 clarifications and small corrections in Rel-4	approved	F	4.6.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020784	25.105	129		4.5.0	Rel-4	Name correction of logical and transport channels	approved	F	4.6.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020784	25.105	130		5.2.0	Rel-5	Name correction of logical and transport channels	approved	A	5.3.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020779	25.105	131		3.11.0	R99	Spurious emission requirements for unsynchronized TDD operation	approved	F	3.12.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020779	25.105	132		4.5.0	Rel-4	Spurious emission requirements for unsynchronized TDD operation	approved	F	4.6.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020779	25.105	133		5.2.0	Rel-5	Spurious emission requirements for unsynchronized TDD operation	approved	F	5.3.0	UTRA (BS) TDD: Radio transmission and reception	R4

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RP-020801	25.105	134		5.2.0	Rel-5	Correction of adjacent channel leakage power definition	approved	F	5.3.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020804	25.105	135	1	3.11.0	R99	Corrections to 3.84 Mcps TDD reference measurement channels	approved	F	3.12.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020804	25.105	136		4.5.0	Rel-4	Corrections to 3.84 Mcps TDD reference measurement channels	approved	A	4.6.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020804	25.105	137		5.2.0	Rel-5	Corrections to 3.84 Mcps TDD reference measurement channels	approved	A	5.3.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020804	25.105	138	1	4.5.0	Rel-4	Corrections to 1.28 Mcps TDD reference measurement channels	approved	F	4.6.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020804	25.105	139		5.2.0	Rel-5	Corrections to 1.28 Mcps TDD reference measurement channels	approved	A	5.3.0	UTRA (BS) TDD: Radio transmission and reception	R4
RP-020793	25.106	010		5.2.0	Rel-5	EVM Test: Change requirement for the use of HSDPA.	withdrawn	A		UTRA Repeater; Radio transmission and reception	R4
RP-020861	25.106	010		5.2.0	Rel-5	EVM Test: Change requirement for the use of HSDPA.	approved	A	5.3.0	UTRA Repeater; Radio transmission and reception	R4
RP-020795	25.106	011	1	4.3.0	Rel-4	Input intermodulation: Correction of co-location and addition of co-existence	approved	F	4.4.0	UTRA Repeater; Radio transmission and reception	R4
RP-020795	25.106	012	1	5.2.0	Rel-5	Input intermodulation: Correction of co-location and addition of co-existence	approved	A	5.3.0	UTRA Repeater; Radio transmission and reception	R4
RP-020785	25.106	015		4.3.0	Rel-4	Aligning of the requirement for "Output power" in extreme conditions with TS25.143	approved	F	4.4.0	UTRA Repeater; Radio transmission and reception	R4
RP-020785	25.106	016		5.2.0	Rel-5	Aligning of the requirement for "Output power" in extreme conditions with TS25.143	approved	A	5.3.0	UTRA Repeater; Radio transmission and reception	R4
RP-020794	25.106	017		4.3.0	Rel-4	Out of band gain	approved	F	4.4.0	UTRA Repeater; Radio transmission and reception	R4
RP-020794	25.106	018		5.2.0	Rel-5	Out of band gain	approved	A	5.3.0	UTRA Repeater; Radio transmission and reception	R4
RP-020793	25.106	019		4.3.0	Rel-4	EVM Test: Change requirement for the use of HSDPA.	withdrawn	F		UTRA Repeater; Radio transmission and reception	R4
RP-020861	25.106	019		4.3.0	Rel-4	EVM Test: Change requirement for the use of HSDPA.	approved	F	4.4.0	UTRA Repeater; Radio transmission and reception	R4
RP-020792	25.113	018	1	4.3.0	Rel-4	New exclusion bands, requirements for telecommunication port and interpretation of measurement results	approved	F	4.4.0	Base station and repeater electromagnetic compatibility (EMC)	R4
RP-020792	25.113	019	1	5.2.0	Rel-5	New exclusion bands, requirements for telecommunication port and interpretation of measurement results	approved	A	5.3.0	Base station and repeater electromagnetic compatibility (EMC)	R4
RP-020786	25.123	279		4.6.0	Rel-4	Handover Test Case Correction for 1.28Mcps TDD	approved	F	4.7.0	Requirements for support of radio resource management (TDD)	R4
RP-020786	25.123	280		5.2.0	Rel-5	Handover Test Case Correction for 1.28Mcps TDD	approved	A	5.3.0	Requirements for support of radio resource management (TDD)	R4
RP-020786	25.123	281		4.6.0	Rel-4	Maximum allowed UL TX Power Correction for 1.28Mcps TDD	approved	F	4.7.0	Requirements for support of radio resource management (TDD)	R4
RP-020786	25.123	282		5.2.0	Rel-5	Maximum allowed UL TX Power Correction for 1.28Mcps TDD	approved	A	5.3.0	Requirements for support of radio resource management (TDD)	R4
RP-020786	25.123	283		4.6.0	Rel-4	Corrections to Idle Mode Requirements and Test Cases for 1.28Mcps TDD	approved	F	4.7.0	Requirements for support of radio resource management (TDD)	R4
RP-020786	25.123	284		5.2.0	Rel-5	Corrections to Idle Mode Requirements and Test Cases for 1.28Mcps TDD	approved	A	5.3.0	Requirements for support of radio resource management (TDD)	R4

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RP-020797	25.123	285		5.2.0	Rel-5	P-CCPCH RSCP and CPICH RSCP signalling range extension	approved	F	5.3.0	Requirements for support of radio resource management (TDD)	R4
RP-020780	25.133	437	1	3.11.0	R99	Correction of interruption time in FDD/FDD Hard Handover	approved	F	3.12.0	Requirements for support of radio resource management (FDD)	R4
RP-020780	25.133	438	1	4.6.0	Rel-4	Correction of interruption time in FDD/FDD Hard Handover	approved	A	4.7.0	Requirements for support of radio resource management (FDD)	R4
RP-020780	25.133	439	1	5.4.0	Rel-5	Correction of interruption time in FDD/FDD Hard Handover	approved	A	5.5.0	Requirements for support of radio resource management (FDD)	R4
RP-020802	25.133	474		5.4.0	Rel-6	RRM requirement changes for FDD Base Station Classification	approved	B	6.0.0	Requirements for support of radio resource management (FDD)	R4
RP-020780	25.133	476		3.11.0	R99	Correction of UE Transmitted Power requirements in case of Compressed Mode gaps	approved	F	3.12.0	Requirements for support of radio resource management (FDD)	R4
RP-020780	25.133	477		5.4.0	Rel-5	Correction of UE Transmitted Power requirements in case of Compressed Mode gaps	approved	A	5.5.0	Requirements for support of radio resource management (FDD)	R4
RP-020780	25.133	478	1	3.11.0	R99	Correction of Measurement Occasion Patterns for BSIC Reconfirmation	approved	F	3.12.0	Requirements for support of radio resource management (FDD)	R4
RP-020780	25.133	479	1	5.4.0	Rel-5	Correcction of Measurement Occasion Patterns for BSIC Reconfirmation	approved	A	5.5.0	Requirements for support of radio resource management (FDD)	R4
RP-020780	25.133	480	2	3.11.0	R99	Required Window size for measurements using IPDL	approved	F	3.12.0	Requirements for support of radio resource management (FDD)	R4
RP-020780	25.133	481	2	5.4.0	Rel-5	Required Window size for measurements using IPDL	approved	A	5.5.0	Requirements for support of radio resource management (FDD)	R4
RP-020780	25.133	482	1	3.11.0	R99	UE Timer accuracy	approved	F	3.12.0	Requirements for support of radio resource management (FDD)	R4
RP-020780	25.133	483	1	5.4.0	Rel-5	UE Timer accuracy	approved	A	5.5.0	Requirements for support of radio resource management (FDD)	R4
RP-020780	25.133	488		4.6.0	Rel-4	Correction of UE Transmitted Power requirements in case of Compressed Mode gaps	approved	A	4.7.0	Requirements for support of radio resource management (FDD)	R4
RP-020780	25.133	489	1	4.6.0	Rel-4	Correction of Measurement Occasion Patterns for BSIC Reconfirmation	approved	A	4.7.0	Requirements for support of radio resource management (FDD)	R4
RP-020780	25.133	490	2	4.6.0	Rel-4	Required Window size for measurements using IPDL	approved	A	4.7.0	Requirements for support of radio resource management (FDD)	R4
RP-020780	25.133	491	1	4.6.0	Rel-4	UE Timer accuracy	approved	A	4.7.0	Requirements for support of radio resource management (FDD)	R4
RP-020802	25.133	497		5.4.0	Rel-6	Changes in TS25.133 according to FDD Local area BS	approved	B	6.0.0	Requirements for support of radio resource management (FDD)	R4
RP-020787	25.133	498	1	5.4.0	Rel-5	Total received power density definition for the BS	approved	A	5.5.0	Requirements for support of radio resource management (FDD)	R4
RP-020798	25.133	502	1	5.4.0	Rel-5	CPICH RSCP report mapping	approved	F	5.5.0	Requirements for support of radio resource management (FDD)	R4
RP-020787	25.133	503		4.6.0	Rel-4	Total received power density definition for the BS	approved	F	4.7.0	Requirements for support of radio resource management (FDD)	R4
RP-020780	25.133	504		3.11.0	R99	Correction of UE parameters for Random Access Test	approved	F	3.12.0	Requirements for support of radio resource management (FDD)	R4
RP-020780	25.133	505		4.6.0	Rel-4	Correction of UE parameters for Random Access Test	approved	A	4.7.0	Requirements for support of radio resource management (FDD)	R4
RP-020780	25.133	506		5.4.0	Rel-5	Correction of UE parameters for Random Access Test	approved	A	5.5.0	Requirements for support of radio resource management (FDD)	R4

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RP-020780	25.133	507		3.11.0	R99	Corrections to cell reselection test cases	withdrawn	F		Requirements for support of radio resource management (FDD)	R4
RP-020780	25.133	508		4.6.0	Rel-4	Corrections to cell reselection test cases	withdrawn	A		Requirements for support of radio resource management (FDD)	R4
RP-020780	25.133	509		5.4.0	Rel-5	Corrections to cell reselection test cases	withdrawn	A		Requirements for support of radio resource management (FDD)	R4
RP-020803	25.141	247		5.4.0	Rel-5	Correction on PN9 seed setting in Test Model 5	approved	F	5.5.0	Base station conformance testing (FDD)	R4
RP-020802	25.141	249	1	5.4.0	Rel-6	Introduction of Base Station Classes	approved	B	6.0.0	Base station conformance testing (FDD)	R4
RP-020781	25.141	250	1	4.6.0	Rel-4	FDD GSM co-existence in the Same Geographic Area	approved	A	4.7.0	Base station conformance testing (FDD)	R4
RP-020781	25.141	251		5.4.0	Rel-5	FDD GSM 850 / PCS 1900 co-existence in the Same Geographic Area	approved	F	5.5.0	Base station conformance testing (FDD)	R4
RP-020781	25.141	252		5.4.0	Rel-5	FDD GSM co-existence in the Same Geographic Area	approved	A	5.5.0	Base station conformance testing (FDD)	R4
RP-020791	25.141	255	1	4.6.0	Rel-4	BS IPDL test	approved	F	4.7.0	Base station conformance testing (FDD)	R4
RP-020791	25.141	256	1	5.4.0	Rel-5	BS IPDL test	approved	A	5.5.0	Base station conformance testing (FDD)	R4
RP-020788	25.141	257	1	4.6.0	Rel-4	General corrections to TS 25.141	approved	F	4.7.0	Base station conformance testing (FDD)	R4
RP-020788	25.141	258	1	5.4.0	Rel-5	General corrections to TS 25.141	approved	A	5.5.0	Base station conformance testing (FDD)	R4
RP-020799	25.141	259		5.4.0	Rel-5	General Release 5 corrections	approved	F	5.5.0	Base station conformance testing (FDD)	R4
RP-020788	25.141	260		4.6.0	Rel-4	Transmit intermodulation test correction	approved	F	4.7.0	Base station conformance testing (FDD)	R4
RP-020788	25.141	261		5.4.0	Rel-5	Transmit intermodulation test correction	approved	A	5.5.0	Base station conformance testing (FDD)	R4
RP-020799	25.141	263	1	5.4.0	Rel-5	Addition of TX Diversity timing accuracy test	approved	F	5.5.0	Base station conformance testing (FDD)	R4
RP-020781	25.141	264		3.11.0	R99	FDD GSM co-existence in the Same Geographic Area	approved	F	3.12.0	Base station conformance testing (FDD)	R4
RP-020895	25.141	265	-	5.4.0	Rel-6	Regional requirement on FDD base station classes	approved	B	6.0.0	Base station conformance testing (FDD)	R4
RP-020803	25.142	146	1	5.2.0	Rel-5	Correction of 16QAM EVM/PCDE testing for HSDPA for 3,84 Mcps TDD option	approved	F	5.3.0	Base station conformance testing (TDD)	R4
RP-020789	25.142	147	1	4.6.0	Rel-4	Introduction of Rel-5 clarifications and small corrections in Rel-4	approved	F	4.7.0	Base station conformance testing (TDD)	R4
RP-020789	25.142	148		4.6.0	Rel-4	Averaging period in ACLR test for 1.28 Mcps TDD option	approved	F	4.7.0	Base station conformance testing (TDD)	R4
RP-020789	25.142	149		5.2.0	Rel-5	Averaging period in ACLR test for 1.28 Mcps TDD option	approved	A	5.3.0	Base station conformance testing (TDD)	R4
RP-020801	25.142	150		5.2.0	Rel-5	Correction of adjacent channel leakage power definition	approved	F	5.3.0	Base station conformance testing (TDD)	R4
RP-020804	25.142	151		3.11.0	R99	Corrections to TDD 3.84Mcps Reference Measurement Channels	approved	F	3.12.0	Base station conformance testing (TDD)	R4
RP-020804	25.142	152		4.6.0	Rel-4	Corrections to TDD 3.84Mcps Reference Measurement Channels	approved	A	4.7.0	Base station conformance testing (TDD)	R4
RP-020804	25.142	153		5.2.0	Rel-5	Corrections to TDD 3.84Mcps Reference Measurement Channels	approved	A	5.3.0	Base station conformance testing (TDD)	R4
RP-020804	25.142	154		4.6.0	Rel-4	Corrections to TDD 1.28Mcps Reference Measurement Channels	approved	F	4.7.0	Base station conformance testing (TDD)	R4
RP-020804	25.142	155		5.2.0	Rel-5	Corrections to TDD 1.28Mcps Reference Measurement Channels	approved	A	5.3.0	Base station conformance testing (TDD)	R4
RP-020790	25.143	013	1	4.5.0	Rel-4	New test environment: Extreme power supply for output power test	approved	F	4.6.0	UTRA repeater; Conformance testing	R4
RP-020790	25.143	014	1	5.2.0	Rel-5	New test environment: Extreme power supply for output power test	approved	A	5.3.0	UTRA repeater; Conformance testing	R4
RP-020790	25.143	015	1	4.5.0	Rel-4	Addition of Repeater configuration	approved	F	4.6.0	UTRA repeater; Conformance testing	R4
RP-020790	25.143	016	1	5.2.0	Rel-5	Addition of Repeater configuration	approved	A	5.3.0	UTRA repeater; Conformance testing	R4
RP-020790	25.143	017		4.5.0	Rel-4	Definition of the power to select the right table for the spectrum emission mask requirement.	approved	F	4.6.0	UTRA repeater; Conformance testing	R4

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RP-020790	25.143	018		5.2.0	Rel-5	Definition of the power to select the right table for the spectrum emission mask requirement.	approved	A	5.3.0	UTRA repeater; Conformance testing	R4
RP-020861	25.143	019		5.2.0	Rel-5	EVM Test: Change of the requirement for the use of HSDPA	approved	F	5.3.0	UTRA repeater; Conformance testing	R4
RP-020790	25.143	020		5.2.0	Rel-5	EVM Test: Change from Test Model 4 to Test Model 1	approved	A	5.3.0	UTRA repeater; Conformance testing	R4
RP-020795	25.143	021	1	4.5.0	Rel-4	Input intermodulation: Correction of co-location and addition of co-existence	approved	F	4.6.0	UTRA repeater; Conformance testing	R4
RP-020795	25.143	022	1	5.2.0	Rel-5	Input intermodulation: Correction of co-location and addition of co-existence	approved	A	5.3.0	UTRA repeater; Conformance testing	R4
RP-020790	25.143	023		4.5.0	Rel-4	Spurious emission: correction of the procedure	approved	F	4.6.0	UTRA repeater; Conformance testing	R4
RP-020790	25.143	024		5.2.0	Rel-5	Spurious emission: correction of the procedure	approved	A	5.3.0	UTRA repeater; Conformance testing	R4
RP-020794	25.143	025		4.5.0	Rel-4	Out of band gain	approved	F	4.6.0	UTRA repeater; Conformance testing	R4
RP-020794	25.143	026		5.2.0	Rel-5	Out of band gain	approved	A	5.3.0	UTRA repeater; Conformance testing	R4
RP-020861	25.143	027		4.5.0	Rel-4	EVM Test: Change requirement for the use of HSDPA.	approved	F	4.6.0	UTRA repeater; Conformance testing	R4
RP-020793	25.143	027		4.5.0	Rel-4	EVM Test: Change requirement for the use of HSDPA.	withdrawn	F		UTRA repeater; Conformance testing	R4
RP-020790	25.143	028		4.5.0	Rel-4	EVM Test: Change from Test Model 4 to Test Model 1	approved	F	4.6.0	UTRA repeater; Conformance testing	R4
RP-020802	25.942	010		5.1.0	Rel-6	Blocking scenarios for Medium Range BS in FDD mode	approved	B	6.0.0	RF system scenarios	R4
RP-020800	25.991	001		5.0.0	Rel-5	Correction to Pilot Interference Mitigation Technical Report	approved	F	5.1.0	Feasibility study on the mitigation of the effect of common pilot channel (CPICH) interference at the user equipment	R4
RP-020792	34.124	009		4.0.0	Rel-4	New exclusion bands and interpretation of measurement results	approved	F	4.1.0	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	R4
RP-020792	34.124	010		5.1.0	Rel-5	New exclusion bands and interpretation of measurement results	approved	A	5.2.0	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	R4
SP-020654	21.905	043		6.0.0	Rel-6	Update to 3GPP TR 21.905, Vocabulary for 3GPP Specifications	approved	F	6.1.0	Vocabulary for 3GPP Specifications	S1
SP-020666	21.905	044		6.0.0	Rel-6	introduce WLAN terminology	approved	B	6.1.0	Vocabulary for 3GPP Specifications	S1
SP-020647	22.038	009		3.2.0	R99	USAT requirements R99	rejected	F		USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	S1
SP-020647	22.038	010		4.1.0	Rel-4	USAT requirements Rel-4	rejected	A		USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	S1
SP-020647	22.038	011		5.2.0	Rel-5	USAT requirements Rel-5	rejected	A		USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	S1
SP-020647	22.038	012		5.2.0	Rel-6	USAT requirements Reintroduction of requirements	rejected	B		USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	S1
SP-020655	22.066	004		5.0.0	Rel-6	IMS number portability	approved	B	6.0.0	Support of Mobile Number Portability (MNP); Stage 1	S1
SP-020656	22.067	004		5.0.0	Rel-6	Priority Service	approved	C	6.0.0	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	S1
SP-020657	22.071	047		6.1.0	Rel-6	'Service Type'	approved	C	6.2.0	Location Services (LCS); Stage 1	S1
SP-020657	22.071	048		6.1.0	Rel-6	Handling of privacy checks for Network Induced Location Requests	approved	C	6.2.0	Location Services (LCS); Stage 1	S1
SP-020653	22.078	150		5.8.0	Rel-5	LS on Disappearance of CN2 endorsed CAMEL4 22.078 CR	approved	F	5.9.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1

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SP-020653	22.078	151		5.8.0	Rel-5	CAMEL: Remove References to the old Annex A in 22.078	approved	F	5.9.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-020817	22.078	153	-	5.8.0	Rel-6	Enhanced CSE capability for Dialled Services	approved	C	6.0.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-020653	22.078	152		5.8.0	Rel-5	CAMEL: Removal of media type as a trigger criterion for CAMEL/IMS	approved	F	5.9.0	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1
SP-020658	22.101	107		6.1.0	Rel-6	IMS number portability rev of 1909	approved	B	6.2.0	Service aspects; Service principles	S1
SP-020658	22.101	108		6.1.0	Rel-6	Emergency calls	approved	B	6.2.0	Service aspects; Service principles	S1
SP-020666	22.101	109		6.1.0	Rel-6	WLAN interworking	approved	B	6.2.0	Service aspects; Service principles	S1
SP-020650	22.101	110		5.7.0	Rel-5	SIM access to IMS Rel5	rejected	F		Service aspects; Service principles	S1
SP-020650	22.101	111		6.1.0	Rel-6	SIM access to IMS Rel6	rejected	A		Service aspects; Service principles	S1
SP-020651	22.101	112		5.7.0	Rel-5	Support of SIM and USIM in REL-5	approved	F	5.8.0	Service aspects; Service principles	S1
SP-020651	22.101	113		6.1.0	Rel-6	Support of SIM and USIM in REL-6	approved	A	6.2.0	Service aspects; Service principles	S1
SP-020652	22.127	058		5.4.0	Rel-5	Event notification mechanism to inform applications about new SCS	approved	F	5.5.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-020659	22.127	059		6.1.0	Rel-6	OSA interfaces at different levels of abstractions	approved	B	6.2.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-020659	22.127	060		6.1.0	Rel-6	Introduction of migration support mechanism	approved	B	6.2.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-020659	22.127	061		6.1.0	Rel-6	Enhancements to IP Session Function in OSA for the control and monitor of IP Flows (Follow up from S1-021927)	approved	C	6.2.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-020659	22.127	062		6.1.0	Rel-6	User Profile	approved	B	6.2.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-020659	22.127	063		6.1.0	Rel-6	Network functions for end-user/application interaction support	approved	B	6.2.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-020659	22.127	064		6.1.0	Rel-6	Framework Function for Federation	approved	B	6.2.0	Service Requirement for the Open Services Access (OSA); Stage 1	S1
SP-020648	22.135	010	1	4.1.0	Rel-4	CR to 22.135 Corrections on terminology	approved	F	4.2.0	Multicall; Service description; Stage 1	S1
SP-020649	22.140	018		4.2.0	Rel-4	Storage of configuration information on the (U)SIM - for Rel 4	revised	F		Multimedia Messaging Service (MMS); Stage 1	S1
SP-020814	22.140	018	1	4.2.0	Rel-4	Storage of configuration information on the (U)SIM - for Rel 4	revised	F		Multimedia Messaging Service (MMS); Stage 1	S1
SP-020843	22.140	018	2	4.2.0	Rel-4	Storage of configuration information on the (U)SIM - for Rel 4	approved	F	4.3.0	Multimedia Messaging Service (MMS); Stage 1	S1
SP-020649	22.140	019		5.3.0	Rel-5	Storage of configuration information on the (U)SIM - for Rel 5	revised	A		Multimedia Messaging Service (MMS); Stage 1	S1
SP-020814	22.140	019	1	5.3.0	Rel-5	Storage of configuration information on the (U)SIM - for Rel 5	approved	A	5.4.0	Multimedia Messaging Service (MMS); Stage 1	S1
SP-020660	22.140	020		5.3.0	Rel-6	Requirements for the MMS charging models and charging mechanisms	approved	B	6.0.0	Multimedia Messaging Service (MMS); Stage 1	S1
SP-020660	22.140	021		5.3.0	Rel-6	Additional feature for the MMS charging model	approved	B	6.0.0	Multimedia Messaging Service (MMS); Stage 1	S1
SP-020660	22.140	022		5.3.0	Rel-6	Requirement for preventing the loop of MM	approved	B	6.0.0	Multimedia Messaging Service (MMS); Stage 1	S1

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SP-020660	22.140	023		5.3.0	Rel-6	[MMS] CR to 22.140 for Release 6	rejected	B		Multimedia Messaging Service (MMS); Stage 1	S1
SP-020661	22.174	001		6.0.0	Rel-6	Removal of Note	approved	F	6.1.0	Push service; Stage 1	S1
SP-020661	22.174	002		6.0.0	Rel-6	Removal of Media from Charging Parameters	approved	C	6.1.0	Push service; Stage 1	S1
SP-020661	22.174	003		6.0.0	Rel-6	Removal of void reference	approved	D	6.1.0	Push service; Stage 1	S1
SP-020661	22.174	004		6.0.0	Rel-6	Push Delivery Class	approved	C	6.1.0	Push service; Stage 1	S1
SP-020661	22.174	005		6.0.0	Rel-6	Revision of Requirments for One-Off Charging	approved	D	6.1.0	Push service; Stage 1	S1
SP-020662	22.233	003		6.0.0	Rel-6	Streaming metrics	approved	B	6.1.0	Transparent end-to-end packet-switched streamng service; Stage 1	S1
SP-020662	22.233	004		6.0.0	Rel-6	DRM requirement for streaming	approved	B	6.1.0	Transparent end-to-end packet-switched streamng service; Stage 1	S1
SP-020662	22.233	005		6.0.0	Rel-6	Interaction MSS/PSS	approved	B	6.1.0	Transparent end-to-end packet-switched streamng service; Stage 1	S1
SP-020662	22.233	006		6.0.0	Rel-6	Asset Information in File Format	approved	B	6.1.0	Transparent end-to-end packet-switched streamng service; Stage 1	S1
SP-020662	22.233	007		6.0.0	Rel-6	Clarification of Transport Requirements	approved	B	6.1.0	Transparent end-to-end packet-switched streamng service; Stage 1	S1
SP-020662	22.233	008		6.0.0	Rel-6	PSS Charging	approved	B	6.1.0	Transparent end-to-end packet-switched streamng service; Stage 1	S1
SP-020662	22.233	009		6.0.0	Rel-6	Declaration of Content Cache	approved	B	6.1.0	Transparent end-to-end packet-switched streamng service; Stage 1	S1
SP-020664	22.243	001		6.0.0	Rel-6	Removal of references	approved	F	6.1.0	Speech recognition framework for automated voice services; Stage 1	S1
SP-020663	22.243	002		6.0.0	Rel-6	Codecs used for speech recognition framework	rejected	F		Speech recognition framework for automated voice services; Stage 1	S1
SP-020665	22.934	001		6.0.0	Rel-6	WLAN: Clarification of support of APNs for Scenario 3, 4 and 5	approved	F	6.1.0	Feasibility study on 3GPP system to Wireles Local Area Network (WLAN) interworking	S1
SP-020665	22.934	002		6.0.0	Rel-6	WLAN-LCS interworking requirement	approved	B	6.1.0	Feasibility study on 3GPP system to Wireles Local Area Network (WLAN) interworking	S1
SP-020667	22.950	001		6.0.0	Rel-6	RAN-T changes	approved	D	6.1.0	Priority service feasibility study	S1
SP-020667	22.950	002		6.0.0	Rel-6	Priority Trunk Queuing High Level Requirement	approved	B	6.1.0	Priority service feasibility study	S1
SP-020667	22.950	003		6.0.0	Rel-6	Changes to Emergency Calls Interactions	approved	F	6.1.0	Priority service feasibility study	S1
SP-020667	22.950	004		6.0.0	Rel-6	Coexistence of Priority Service and eMLPP in the same network	approved	B	6.1.0	Priority service feasibility study	S1
SP-020667	22.950	005		6.0.0	Rel-6	Priority Call Origination and Termination High Level Requirements Clarification	approved	D	6.1.0	Priority service feasibility study	S1
SP-020771	03.32	007	2	7.1.0	R98	Coding of Maximum Offset and Included angle	approved	F	7.2.0	Universal Geographical Area Description (GAD)	S2
SP-020827	23.002	106	1	5.8.0	Rel-5	Service architecture	approved	F	5.9.0	Network architecture	S2
SP-020770	23.002	106	1	5.8.0	Rel-5	Service architecture	withdrawn	F		Network architecture	S2
SP-020770	23.002	107	2	4.5.0	Rel-4	Corrections in the LCS descriptions of 23.002	withdrawn	F		Network architecture	S2
SP-020827	23.002	107	5	4.5.0	Rel-4	Corrections in the LCS descriptions of 23.002	approved	F	4.6.0	Network architecture	S2
SP-020770	23.002	108	4	5.8.0	Rel-5	Corrections in the LCS descriptions of 23.002	withdrawn	F	5.9.0	Network architecture	S2
SP-020827	23.002	108	5	5.8.0	Rel-5	Corrections in the LCS descriptions of 23.002	approved	F	5.9.0	Network architecture	S2
SP-020770	23.002	110		5.8.0	Rel-5	PCF to PDF Changes	withdrawn	F		Network architecture	S2

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SP-020827	23.002	110	-	5.8.0	Rel-5	PCF to PDF Changes	approved	F	5.9.0	Network architecture	S2
SP-020827	23.002	111	1	4.5.0	Rel-4	Scope of TS 23.002	approved	F	4.6.0	Network architecture	S2
SP-020770	23.002	111	1	4.5.0	Rel-4	Scope of TS 23.002	withdrawn	F		Network architecture	S2
SP-020770	23.002	112	1	5.8.0	Rel-5	Scope of TS 23.002	withdrawn	F		Network architecture	S2
SP-020827	23.002	112	1	5.8.0	Rel-5	Scope of TS 23.002	approved	F	5.9.0	Network architecture	S2
SP-020770	23.002	114		4.5.0	Rel-4	Corrections in the LCS figures	withdrawn	F		Network architecture	S2
SP-020827	23.002	114	1	4.5.0	Rel-4	Corrections in the LCS figures	approved	F	4.6.0	Network architecture	S2
SP-020770	23.002	115	1	5.8.0	Rel-5	Corrections in the LCS figures	revised	F		Network architecture	S2
SP-020827	23.002	115	2	5.8.0	Rel-5	Corrections in the LCS figures	approved	A	5.9.0	Network architecture	S2
SP-020771	23.032	002	2	3.1.0	R99	Coding of Maximum Offset and Included angle	approved	A	3.2.0	Universal Geographical Area Description (GAD)	S2
SP-020771	23.032	003	2	4.0.0	Rel-4	Coding of Maximum Offset and Included angle	approved	A	4.1.0	Universal Geographical Area Description (GAD)	S2
SP-020768	23.060	399	3	5.3.0	Rel-5	Mobility Management for GPRS (CAMEL) Subscriber	approved	F	5.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020768	23.060	400	1	3.13.0	R99	Handling of preserved PDP contexts	approved	F	3.14.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020768	23.060	401	1	4.6.0	Rel-4	Handling of preserved PDP contexts	approved	A	4.7.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020768	23.060	402	1	5.3.0	Rel-5	Handling of preserved PDP contexts	approved	A	5.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020768	23.060	414	1	5.3.0	Rel-5	IP version requirements on Iu	approved	F	5.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020768	23.060	417	1	5.3.0	Rel-5	QoS negotiation	approved	A	5.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020768	23.060	418		5.3.0	Rel-5	SMS over PS in Iu mode	approved	F	5.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020768	23.060	419		5.3.0	Rel-5	Re-use of TEID	approved	F	5.4.0	General Packet Radio Service (GPRS) Service description; Stage 2	S2
SP-020772	23.107	128		5.6.0	Rel-5	Removal of unclear statements in 23.107 about the way to handle end-user Differentiated or Integrated services	approved	F	5.7.0	Quality of Service (QoS) concept and architecture	S2
SP-020772	23.107	130	1	4.5.0	Rel-4	Highest Value for Bitrates	approved	A	4.6.0	Quality of Service (QoS) concept and architecture	S2
SP-020772	23.107	131		5.6.0	Rel-5	Highest Value for Bitrates	approved	A	5.7.0	Quality of Service (QoS) concept and architecture	S2
SP-020777	23.127	044		5.2.0	Rel-6	Mapping of OSA APIs to Presence	approved	C	6.0.0	Virtual Home Environment (VHE) / Open Service Access (OSA); Stage 2	S2
SP-020773	23.141	004	4	6.0.0	Rel-6	Clarifications on access rules	approved	F	6.1.0	Presence service; Architecture and functional description; Stage 2	S2
SP-020773	23.141	009		6.0.0	Rel-6	Correction to IMS Notification process to the Presence Server within IMS	approved	F	6.1.0	Presence service; Architecture and functional description; Stage 2	S2
SP-020773	23.141	010	1	6.0.0	Rel-6	CR to Relationship of Presence Network Agent with IMS entities	approved	F	6.1.0	Presence service; Architecture and functional description; Stage 2	S2
SP-020773	23.141	016	1	6.0.0	Rel-6	Report of the drafting session on "IMS Access Independence"	approved	F	6.1.0	Presence service; Architecture and functional description; Stage 2	S2
SP-020773	23.141	017	2	6.0.0	Rel-6	Presence attributes	approved	F	6.1.0	Presence service; Architecture and functional description; Stage 2	S2

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SP-020773	23.141	018	1	6.0.0	Rel-6	Activation of CAMEL mobility reports	approved	F	6.1.0	Presence service; Architecture and functional description; Stage 2	S2
SP-020773	23.141	020		6.0.0	Rel-6	Presentity Presence Proxy functionality	approved		6.1.0	Presence service; Architecture and functional description; Stage 2	S2
SP-020773	23.141	021		6.0.0	Rel-6	Email review corrections to be updated to 23.141	approved	F	6.1.0	Presence service; Architecture and functional description; Stage 2	S2
SP-020773	23.141	025		6.0.0	Rel-6	Watcher flows	approved	F	6.1.0	Presence service; Architecture and functional description; Stage 2	S2
SP-020773	23.141	026	1	6.0.0	Rel-6	Pen Reference Point	approved	C	6.1.0	Presence service; Architecture and functional description; Stage 2	S2
SP-020773	23.141	031		6.0.0	Rel-6	Presence attributes	approved	F	6.1.0	Presence service; Architecture and functional description; Stage 2	S2
SP-020773	23.141	033		6.0.0	Rel-6	Filter information in presence list server	approved	B	6.1.0	Presence service; Architecture and functional description; Stage 2	S2
SP-020774	23.207	044	3	5.5.0	Rel-5	Alignment with stage 3 - DS control over Go	revised	F		End-to-end Quality of Service (QoS) concept and architecture	S2
SP-020819	23.207	044	4	5.5.0	Rel-5	Alignment with stage 3 - DS control over Go	approved	F	5.6.0	End-to-end Quality of Service (QoS) concept and architecture	S2
SP-020774	23.207	046	1	5.5.0	Rel-5	Clarifications on Go interface	approved	F	5.6.0	End-to-end Quality of Service (QoS) concept and architecture	S2
SP-020774	23.207	048		5.5.0	Rel-5	Consistency of stage 2 - RSVP proxy	approved	F	5.6.0	End-to-end Quality of Service (QoS) concept and architecture	S2
SP-020774	23.207	049		5.5.0	Rel-5	Mobile IP and Service Based Local Policy interactions	approved	F	5.6.0	End-to-end Quality of Service (QoS) concept and architecture	S2
SP-020774	23.207	050		5.5.0	Rel-5	Clarification of Diffserv functions in 23.207 without Go control	withdrawn			End-to-end Quality of Service (QoS) concept and architecture	S2
SP-020774	23.207	051		5.5.0	Rel-5	PCF to PDF Changes	approved	F	5.6.0	End-to-end Quality of Service (QoS) concept and architecture	S2
SP-020774	23.207	052	1	5.5.0	Rel-5	Definition of QoS Class	withdrawn	F		End-to-end Quality of Service (QoS) concept and architecture	S2
SP-020775	23.221	037	1	5.6.0	Rel-5	Update to duplicate text	approved	F	5.7.0	Architectural requirements	S2
SP-020775	23.221	038	1	5.6.0	Rel-5	Completion of recent change on CS domain signalling requirements	approved	F	5.7.0	Architectural requirements	S2
SP-020776	23.228	203	1	5.6.0	Rel-5	Clarification on charging concepts	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020776	23.228	204	1	5.6.0	Rel-5	Clarification on MRFP reference point	withdrawn	F		IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020776	23.228	204	4	5.6.0	Rel-5	Clarification on MRFP reference point	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020776	23.228	207	1	5.6.0	Rel-5	Clarification on subclause 5.4.4	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020776	23.228	210	1	5.6.0	Rel-5	Removal of duplicate text	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020776	23.228	211	1	5.6.0	Rel-5	Movement of service architecture	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020776	23.228	213	1	5.6.0	Rel-5	Description of "Service Profile"	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020776	23.228	216	2	5.6.0	Rel-5	Correction to services concepts	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020776	23.228	217	1	5.6.0	Rel-5	Incorporating Messaging aspects to 23.228	withdrawn	B		IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020776	23.228	217	5	5.6.0	Rel-6	Incorporating Messaging aspects to 23.228	approved	B	6.0.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020776	23.228	221	1	5.6.0	Rel-5	Clarification on the ISC interface	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020776	23.228	223		5.6.0	Rel-5	PCF to PDF Changes	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020776	23.228	225		5.6.0	Rel-5	Service Invocation	revised	F		IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020828	23.228	225	1	5.6.0	Rel-5	Service Invocation	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2	S2

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SP-020776	23.228	226		5.6.0	Rel-5	Separation of media components in relation to forking	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020776	23.228	227	1	5.6.0	Rel-5	Number internationalisation clarification	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020776	23.228	228	1	5.6.0	Rel-5	Re-assignment of S-CSCF	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020776	23.228	229	1	5.6.0	Rel-5	Cleanup and alignment to stage 3 of 23.228	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020776	23.228	230		5.6.0	Rel-5	Cleanup of 23.228, Home visited P-CSCF etc..	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020776	23.228	231	1	5.6.0	Rel-5	General consistency cleanup of 23.228	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020776	23.228	232	1	5.6.0	Rel-5	Stripping of headers in the P-CSCF	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020776	23.228	233	1	5.6.0	Rel-5	Resource reservation	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020776	23.228	235		5.6.0	Rel-5	Clarification on Network Configuration Hiding	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020776	23.228	236	1	5.6.0	Rel-5	Clarification on grouping of media components to PDP Contexts	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020675	23.228	237	3	5.6.0	Rel-5	Handling of SDP manipulation issue in stage-2 specifications	revised	F		IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020838	23.228	237	4	5.6.0	Rel-5	Handling of SDP manipulation issue in stage-2 specifications	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020776	23.228	241	1	5.6.0	Rel-6	Local services	approved	B	6.0.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020776	23.228	242	1	5.6.0	Rel-6	Clean-up of IMS emergency session requirement	approved	F	6.0.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020776	23.228	244		5.6.0	Rel-5	Local services	approved	F	5.7.0	IP Multimedia Subsystem (IMS); Stage 2	S2
SP-020769	23.271	108	1	4.7.0	Rel-4	Privacy class selection rule	approved	F	4.8.0	Location Services (LCS); Functional description; Stage 2	S2
SP-020769	23.271	109	1	5.4.0	Rel-5	Privacy class selection rule	approved	A	5.5.0	Location Services (LCS); Functional description; Stage 2	S2
SP-020769	23.271	121	1	5.4.0	Rel-5	Clarification of codeword handling mechanism	approved	F	5.5.0	Location Services (LCS); Functional description; Stage 2	S2
SP-020769	23.271	122	1	6.1.0	Rel-6	Introduction of interworking mechanism for UE-based codeword privacy check.	approved	B	6.2.0	Location Services (LCS); Functional description; Stage 2	S2
SP-020769	23.271	123	2	6.1.0	Rel-6	Privacy check mechanism for Rel-6 LCS.	approved	B	6.2.0	Location Services (LCS); Functional description; Stage 2	S2
SP-020769	23.271	125	1	6.1.0	Rel-6	Correction to privacy check procedure	approved	F	6.2.0	Location Services (LCS); Functional description; Stage 2	S2
SP-020769	23.271	126	1	6.1.0	Rel-6	Corrections to inter GMLC interface procedure	approved	F	6.2.0	Location Services (LCS); Functional description; Stage 2	S2
SP-020769	23.271	132		4.7.0	Rel-4	Addition of reference number to deferred MT-LR procedure	approved	F	4.8.0	Location Services (LCS); Functional description; Stage 2	S2
SP-020769	23.271	133		5.4.0	Rel-5	Addition of reference number to deferred MT-LR procedure	approved	F	5.5.0	Location Services (LCS); Functional description; Stage 2	S2
SP-020769	23.271	134		6.1.0	Rel-6	Addition of reference number to deferred MT-LR procedure	approved	A	6.2.0	Location Services (LCS); Functional description; Stage 2	S2
SP-020769	23.271	135		6.1.0	Rel-6	Privacy procedure correction	approved	A	6.2.0	Location Services (LCS); Functional description; Stage 2	S2
SP-020769	23.271	136	1	6.1.0	Rel-6	Privacy class selection rule	approved	A	6.2.0	Location Services (LCS); Functional description; Stage 2	S2
SP-020769	23.271	137		6.1.0	Rel-6	Handling of codeword in case of combined periodical/deferred MT-LR	approved	A	6.2.0	Location Services (LCS); Functional description; Stage 2	S2
SP-020769	23.271	138	3	6.1.0	Rel-6	Improvements of inter GMLC interface procedures.	approved	B	6.2.0	Location Services (LCS); Functional description; Stage 2	S2

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SP-020840	23.846	001	-	6.0.0	Rel-6	Alignment of content of 23.846 version 6 to 23.846 v.2.0.0	approved	F	6.1.0	Multimedia Broadcast/Multicast Service (MBMS); Stage 2	S2
SP-020700	33.102	175	-	5.0.0	Rel-5	USIM support in GERAN only terminals	approved	F	5.1.0	3G security; Security architecture	S3
SP-020790	33.102	176		3.12.0	R99	Correction to the START formula	approved	F	3.13.0	3G security; Security architecture	S3
SP-020790	33.102	177		4.4.0	Rel-4	Correction to the START formula	approved	A	4.5.0	3G security; Security architecture	S3
SP-020790	33.102	178		5.0.0	Rel-5	Correction to the START formula	approved	A	5.1.0	3G security; Security architecture	S3
SP-020702	33.107	028		5.4.0	Rel-5	Event Time	approved	F	5.5.0	3G security; Lawful interception architecture and functions	S3
SP-020704	33.107	029		5.4.0	Rel-5	Essential correction to the LI events generated during inter-SGSN RAU, when PDP context is active	approved	F	5.5.0	3G security; Lawful interception architecture and functions	S3
SP-020703	33.107	030		5.4.0	Rel-5	Incorrect implementation of the Serving System reporting	approved	F	5.5.0	3G security; Lawful interception architecture and functions	S3
SP-020705	33.108	002		5.1.0	Rel-5	Essential corrections to the Annex C.1 (ULIC)	approved	F	5.2.0	3G security; Handover interface for Lawful Interception (LI)	S3
SP-020706	33.108	003		5.1.0	Rel-5	Missing PDP Context Modification event	approved	F	5.2.0	3G security; Handover interface for Lawful Interception (LI)	S3
SP-020707	33.108	004		5.1.0	Rel-6	Aggregation of IRI Records	approved	F	6.0.0	3G security; Handover interface for Lawful Interception (LI)	S3
SP-020704	33.108	005		5.1.0	Rel-5	Essential correction to the LI events generated during RAU, when PDP context is active	approved	F	5.2.0	3G security; Handover interface for Lawful Interception (LI)	S3
SP-020708	33.108	006		5.1.0	Rel-5	U.S. LI Requirements	approved	F	5.2.0	3G security; Handover interface for Lawful Interception (LI)	S3
SP-020709	33.200	022	-	5.0.0	Rel-5	Removal of Automatic Key Management from Release 5	approved	F	5.1.0	3G Security; Network Domain Security (NDS); Mobile Application Part (MAP) application layer security	S3
SP-020710	33.203	024	-	5.3.0	Rel-5	Correction of IP address acquisition in P-CSCF	approved	F	5.4.0	3G security; Access security for IP-based services	S3
SP-020711	33.203	025	-	5.3.0	Rel-5	Sending error response when P-CSCF receives unacceptable proposal	approved	F	5.4.0	3G security; Access security for IP-based services	S3
SP-020712	33.203	026	-	5.3.0	Rel-5	The use of SAs in user authentication failures	approved	F	5.4.0	3G security; Access security for IP-based services	S3
SP-020713	33.203	027	-	5.3.0	Rel-5	Clean up one Editor's note	approved	F	5.4.0	3G security; Access security for IP-based services	S3
SP-020714	33.203	028	-	5.3.0	Rel-5	Re-use and re-transmission of RAND and AUTN	approved	F	5.4.0	3G security; Access security for IP-based services	S3
SP-020715	33.203	029	-	5.3.0	Rel-5	Update of SIP Security Agreement Syntax in Appendix H	approved	F	5.4.0	3G security; Access security for IP-based services	S3
SP-020716	33.203	030	-	5.3.0	Rel-5	Registration and SA lifetimes	approved	F	5.4.0	3G security; Access security for IP-based services	S3
SP-020717	33.203	031	-	5.3.0	Rel-5	Open issues in SA handling	approved	F	5.4.0	3G security; Access security for IP-based services	S3
SP-020718	33.203	032	-	5.3.0	Rel-5	Allowing IMS access with SIM cards	rejected	B		3G security; Access security for IP-based services	S3
SP-020760	33.203	033	-	5.3.0	Rel-5	TCP and UDP share the same SA	approved	F	5.4.0	3G security; Access security for IP-based services	S3
SP-020761	33.203	034	-	5.3.0	Rel-5	Indication in the UE that the SA is no longer active in P-CSCF	approved	F	5.4.0	3G security; Access security for IP-based services	S3

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SP-020719	33.210	003	-	5.1.0	Rel-5	Adding requirement to provide mandatory support for 3DES encryption in NDS/IP.Remove AES references and dependencies	approved	F	5.2.0	3G security; Network Domain Security (NDS); IP network layer security	S3
SP-020720	33.210	004	-	5.1.0	Rel-6	Securing UTRAN/GERAN IP Transport interfaces and specifically the Iu interface with NDS/IP mechanisms	approved	B	6.0.0	3G security; Network Domain Security (NDS); IP network layer security	S3
SP-020721	55.216	001		6.0.0	Rel-6	EGPRS algoritm	approved	F	6.1.0	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	S3
SP-020721	55.217	001		6.0.0	Rel-6	EGPRS algoritm	approved	F	6.1.0	Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEA3 encryption algorithm for GPRS; Document 2: Implementors' test data	S3
SP-020721	55.218	001		6.0.0	Rel-6	EGPRS algoritm	approved	F	6.1.0	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	S3
SP-020721	55.919	001		6.0.0	Rel-6	Algoritms for ECSD and EGPRS	approved	F	6.1.0	Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEA3 encryption algorithm for GPRS; Document 4: Design and evaluation report	S3
SP-020688	26.093	010	3	5.1.0	Rel-5	Correction of uplink SCR operation activation for UMTS AMR	approved	F	5.2.0	AMR speech Codec; Source Controlled Rate operation	S4
SP-020689	26.102	012	2	5.0.0	Rel-5	Correction of RAB parameter assignment for AMR	approved	F	5.1.0	AMR speech Codec; Interface to Iu and Uu	S4
SP-020690	26.103	021	1	5.3.0	Rel-5	Correction of uplink SCR activation for UMTS AMR	approved	F	5.4.0	Speech codec list for GSM and UMTS	S4
SP-020690	26.103	022		5.3.0	Rel-5	Correction to the Codec ID Table	approved	F	5.4.0	Speech codec list for GSM and UMTS	S4
SP-020691	26.140	002		5.1.0	Rel-5	Code points for H.263	approved	F	5.2.0	Multimedia Messaging Service (MMS); Media formats and codes	S4
SP-020691	26.140	003	1	5.1.0	Rel-5	File Format name change from MP4 to 3GP	approved	F	5.2.0	Multimedia Messaging Service (MMS); Media formats and codes	S4
SP-020692	26.173	014		5.4.0	Rel-5	Ambiguous expression in the AMR-WB C-Code	approved	F	5.5.0	ANSI-C code for the Adaptive Multi Rate (AMR) Wideband speech codec	S4
SP-020693	26.174	005		5.3.0	Rel-5	Correction to frame syncronisation sequences in AMR-WB test sequences	approved	F	5.4.0	AMR speech codec, wideband; Test sequences	S4
SP-020694	26.234	039	2	5.2.0	Rel-5	Addition regarding IPv6 support in SDP	approved	A	5.3.0	Transparent end-to-end transparent streaming service; Protocols and codecs	S4
SP-020694	26.234	040		5.2.0	Rel-5	Code points for H.263	approved	F	5.3.0	Transparent end-to-end transparent streaming service; Protocols and codecs	S4
SP-020694	26.234	041	2	5.2.0	Rel-5	File format 3GP based on ISO and not MP4	approved	F	5.3.0	Transparent end-to-end transparent streaming service; Protocols and codecs	S4
SP-020694	26.234	042	2	4.4.0	Rel-4	Addition regarding IPv6 support in SDP	approved	F	4.5.0	Transparent end-to-end transparent streaming service; Protocols and codecs	S4
SP-020694	26.234	043	2	4.4.0	Rel-4	SMIL authoring instructions in TS 26.234	approved	F	4.5.0	Transparent end-to-end transparent streaming service; Protocols and codecs	S4
SP-020694	26.234	044	1	5.2.0	Rel-5	SMIL authoring instructions in TS 26.234	approved	A	5.3.0	Transparent end-to-end transparent streaming service; Protocols and codecs	S4

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SP-020694	26.234	045	1	5.2.0	Rel-5	Client usage of bandwidth parameter at the media level in SDP	approved	F	5.3.0	Transparent end-to-end transparent streaming service; Protocols and codecs	S4
SP-020694	26.234	046	1	4.4.0	Rel-4	SMIL Language Profile in TS 26.234	approved	F	4.5.0	Transparent end-to-end transparent streaming service; Protocols and codecs	S4
SP-020694	26.234	047	1	5.2.0	Rel-5	SMIL Language Profile in TS 26.234	approved	A	5.3.0	Transparent end-to-end transparent streaming service; Protocols and codecs	S4
SP-020694	26.234	050	1	5.2.0	Rel-5	Usage of Multiple Media Sample Entries in Media Tracks of 3GP files	approved	F	5.3.0	Transparent end-to-end transparent streaming service; Protocols and codecs	S4
SP-020694	26.234	051	1	5.2.0	Rel-5	Progressive download of 3GP files	approved	F	5.3.0	Transparent end-to-end transparent streaming service; Protocols and codecs	S4
SP-020695	26.236	001	2	5.0.0	Rel-5	QoS profile parameters for conversational multimedia applications	approved	F	5.1.0	Packet switched conversational multimedia applications; Transport protocols	S4
SP-020695	26.236	002	1	5.0.0	Rel-5	Clarification on SDP session bandwidth parameter	approved	F	5.1.0	Packet switched conversational multimedia applications; Transport protocols	S4
SP-020696	28.062	035	1	4.4.0	Rel-4	Correction to the TFO_Term state description	approved	F	4.5.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	S4
SP-020696	28.062	036	1	5.2.0	Rel-5	Correction to the TFO_Term state description	approved	A	5.3.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	S4
SP-020696	28.062	037	1	5.2.0	Rel-5	TFO version handling	approved	F	5.3.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	S4
SP-020696	28.062	038	1	5.2.0	Rel-5	Corrections to the TFO standard (wrong specification references)	approved	F	5.3.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	S4
SP-020696	28.062	039	1	5.2.0	Rel-5	Correction of TFO_REQ message for AMR-WB	approved	F	5.3.0	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	S4
SP-020733	12.15	A021	-	6.2.0	R97	Addition of SGSN's Mobile Country Code (MCC) and Mobile Network Code (MNC) on G-CDR	approved	F	6.3.0	General Packet Radio Service (GPRS); GPRS Charging	S5
SP-020733	12.15	A022	-	7.6.0	R98	Addition of SGSN's Mobile Country Code (MCC) and Mobile Network Code (MNC) on G-CDR	approved	A	7.7.0	General Packet Radio Service (GPRS); GPRS Charging	S5
SP-020733	32.015	037	-	3.9.0	R99	Addition of SGSN's Mobile Country Code (MCC) and Mobile Network Code (MNC) on G-CDR	approved	A	3.10.0	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain	S5
SP-020726	32.101	020	-	5.1.0	Rel-5	Aligning IRP related terminology with SA5's SWGC IRP specifications (32.6xy)	approved	F	5.2.0	Telecommunication management; Principles and high level requirements	S5
SP-020726	32.102	024	-	5.1.0	Rel-5	Aligning IRP related terminology with SA5's SWGC IRP specifications (32.6xy)	approved	F	5.2.0	Telecommunication management; Architecture	S5
SP-020727	32.102	025	-	5.1.0	Rel-5	Updates and corrections to Integration Reference Points (IRPs) Introduction	approved	F	5.2.0	Telecommunication management; Architecture	S5
SP-020751	32.111-2	019	-	4.4.0	Rel-4	Add additionalInformation parameter in notification in Alarm IRP: IS	approved	F	4.5.0	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	S5

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SP-020751	32.111-2	020	-	5.1.0	Rel-5	Add additionalInformation parameter in notification in Alarm IRP: IS	approved	A	5.2.0	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	S5
SP-020751	32.111-3	022	-	4.4.0	Rel-4	Add additionalInformation parameter in notification in Alarm IRP: CORBA SS (Alignment with Information Service in Rel-4 32111-2)	approved	F	4.5.0	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	S5
SP-020751	32.111-3	023	-	5.1.0	Rel-5	Add additionalInformation parameter in notification in Alarm IRP: CORBA SS (Alignment with Information Service in Rel-5 32111-2)	approved	A	5.2.0	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	S5
SP-020752	32.111-3	024	-	5.1.0	Rel-5	Add notifyPotentialFaultyAlarmList in Alarm IRP: CORBA SS (Alignment with Information Service in Rel-5 32111-2)	approved	F	5.2.0	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	S5
SP-020751	32.111-4	012	-	4.3.0	Rel-4	Add the additionalInformation parameter in notifyNewAlarms to the Alarm IRP CMIP SS (Alignment with Information Service in Rel-4 32111-2)	approved	F	4.4.0	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set	S5
SP-020751	32.111-4	013	-	5.2.0	Rel-5	Add the additionalInformation parameter in notifyNewAlarms to the Alarm IRP CMIP SS (Alignment with Information Service in Rel-5 32111-2)	approved	A	5.3.0	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set	S5
SP-020753	32.111-4	014	-	5.2.0	Rel-5	Addition of Security Alarm Support to the Alarm IRP CMIP SS (Alignment with Information Service in Rel-5 32111-2)	approved	F	5.3.0	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set	S5
SP-020735	32.200	014	-	4.2.0	Rel-4	Addition of 'Inter-PLMN SGSN change' as partial output record trigger for G-CDR	approved	F	4.3.0	Telecommunication management; Charging management; Charging principles	S5
SP-020740	32.200	015	-	4.2.0	Rel-4	Correction of interface descriptions	approved	F	4.3.0	Telecommunication management; Charging management; Charging principles	S5
SP-020740	32.200	016	-	5.1.0	Rel-5	Correction of interface descriptions	approved	A	5.2.0	Telecommunication management; Charging management; Charging principles	S5
SP-020741	32.200	017	-	4.2.0	Rel-4	Alignment on MMS charging scenarios with MMS CDR type definitions	approved	F	4.3.0	Telecommunication management; Charging management; Charging principles	S5
SP-020741	32.200	018	-	5.1.0	Rel-5	Several alignments on MMS charging+ MMBox CDRs have been added	approved	F	5.2.0	Telecommunication management; Charging management; Charging principles	S5
SP-020734	32.205	006	-	4.2.0	Rel-4	Corrections on parameter Destination Number	approved	F	4.3.0	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	S5
SP-020734	32.205	007	-	5.1.0	Rel-5	Corrections on parameter Destination Number	approved	A	5.2.0	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	S5

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SP-020736	32.205	008	-	4.2.0	Rel-4	Alignment of LCS charging	approved	F	4.3.0	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	S5
SP-020736	32.205	009	-	5.1.0	Rel-5	Corrections on LCS error cause definitions	approved	A	5.2.0	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	S5
SP-020737	32.205	010	-	5.1.0	Rel-5	Charging for Mobile Number Portability (MNP) - Alignment with 23.066	approved	F	5.2.0	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	S5
SP-020742	32.205	011	-	4.2.0	Rel-4	Corrections on MMS records ASN.1 definition	withdrawn	F		Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	S5
SP-020808	32.205	011	-	4.2.0	Rel-4	Corrections on MMS records ASN.1 definition	approved	F	4.3.0	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	S5
SP-020742	32.205	012	-	5.1.0	Rel-5	Corrections on MMS records ASN.1 definition	revised	A		Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	S5
SP-020808	32.205	012	1	5.1.0	Rel-5	Corrections on MMS records ASN.1 definition and addition of the MMBox CDR types	approved	F	5.2.0	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain	S5
SP-020734	32.215	017	-	4.3.0	Rel-4	Corrections on parameter Destination Number	approved	F	4.4.0	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	S5
SP-020734	32.215	018	-	5.1.0	Rel-5	Corrections on parameter Destination Number	approved	A	5.2.0	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	S5
SP-020735	32.215	019	-	4.3.0	Rel-4	Addition of SGSN's Mobile Country Code (MCC) and Mobile Network Code (MNC) on G-CDR (Alignment with SA2/CN4/GSMA BARG)	approved	F	4.4.0	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	S5
SP-020736	32.215	020	-	4.3.0	Rel-4	Corrections on LCS error cause definitions	approved	F	4.4.0	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	S5
SP-020736	32.215	021	-	5.1.0	Rel-5	Corrections on LCS error cause definitions	approved	A	5.2.0	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	S5

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SP-020738	32.215	022	-	5.1.0	Rel-5	IPv4-IPv6 co-existence in PS charging	approved	C	5.2.0	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	S5
SP-020738	32.215	023	-	5.1.0	Rel-5	Correction of the list of parameters of the QoS profile (requested and negotiated)	approved	F	5.2.0	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	S5
SP-020738	32.215	024	-	5.1.0	Rel-5	Extension of CDR encoding	approved	C	5.2.0	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain	S5
SP-020739	32.225	001	-	5.0.0	Rel-5	Remove ambiguity of the CCF Session State	approved	F	5.1.0	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)	S5
SP-020739	32.225	002	-	5.0.0	Rel-5	Addition of Application Server (AS) acting as a Voice Mail Server	approved	B	5.1.0	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)	S5
SP-020739	32.225	003	-	5.0.0	Rel-5	Corections of definitions and ambiguity	approved	F	5.1.0	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)	S5
SP-020808	32.235	007	-	4.3.0	Rel-4	Correction of ASN.1 syntax errors	approved	F	4.4.0	Telecommunication management; Charging management; Charging data description for application services	S5
SP-020742	32.235	007	-	4.3.0	Rel-4	Correction of ASN.1 syntax errors	withdrawn	F		Telecommunication management; Charging management; Charging data description for application services	S5
SP-020742	32.235	008	-	5.0.0	Rel-5	Correction of ASN.1 syntax errors	withdrawn	A		Telecommunication management; Charging management; Charging data description for application services	S5
SP-020808	32.235	008	-	5.0.0	Rel-5	Correction of ASN.1 syntax errors	approved	A	5.1.0	Telecommunication management; Charging management; Charging data description for application services	S5
SP-020749	32.604	004	-	4.2.0	Rel-5	Alignment of the CMIP SS with the Rel-5 version of the IS in 32.602	approved	F	5.0.0	Telecommunication management; Configuration Management (CM); Basic Configuration Management Integration Reference Point (IRP) CMIP solution set	S5
SP-020744	32.612	005	-	4.3.0	Rel-4	Incomplete getSessionStatus	approved	F	4.4.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Information service	S5
SP-020744	32.612	006	-	5.0.0	Rel-5	Incomplete getSessionStatus	approved	A	5.1.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Information service	S5

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SP-020745	32.613	007	-	4.3.0	Rel-4	Removal of the Concurrency exception in getSessionLog	approved	F	4.4.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) solution set	S5
SP-020746	32.614	003	-	4.2.0	Rel-4	Correction of ASN.1/GDMO sources	approved	F	4.3.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Common Management Information Protocol (CMIP) solution set	S5
SP-020746	32.614	004	-	4.2.0	Rel-5	Alignment with the Rel-5 version of the Information Service in 32.612	approved	F	5.0.0	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP); Common Management Information Protocol (CMIP) solution set	S5
SP-020747	32.632	004	-	5.0.0	Rel-5	Removal of faulty attribute uraList	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP): Network Resource Model (NRM)	S5
SP-020747	32.633	003	-	5.0.0	Rel-5	Removal of faulty attribute uraList (alignment with Rel-5 32.632 Network Resource Model)	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): CORBA solution set	S5
SP-020749	32.634	002	-	4.1.1	Rel-5	Alignment of the CMIP SS with the Rel-5 version of the IS in 32.632	approved	F	5.0.0	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): CMIP solution set	S5
SP-020748	32.642	006	-	5.0.0	Rel-5	Inclusion of valid values and ranges for UTRAN Cell parameters	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	S5
SP-020749	32.644	007	-	4.1.1	Rel-5	Alignment of the CMIP SS with the Rel-5 version of the IS in 32.642	approved	F	5.0.0	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): CMIP solution set	S5
SP-020749	32.654	003	-	4.1.0	Rel-5	Alignment of the CMIP SS with the Rel-5 version of the IS in 32.652	approved	F	5.0.0	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): CMIP solution set	S5
SP-020750	32.661	001	-	5.0.0	Rel-5	Clarification regarding optionality of notifications	approved	F	5.1.0	Telecommunication management; Configuration Management (CM); Kernel CM requirements	S5
SP-020781	01.01	009	-	8.7.0	R99	Correction to list of specs	revised	F		GSM Release 1999 Specifications	SP
SP-020832	01.01	009	1	8.7.0	R99	Correction to list of specs	approved	F	8.8.0	GSM Release 1999 Specifications	SP
SP-020784	01.01	010	-	8.7.0	R99	List of R99 work items	approved	F	8.8.0	GSM Release 1999 Specifications	SP
SP-020778	21.101	012	-	3.9.0	R99	Correction to list of specs	revised	F		3rd Generation mobile system Release 1999 Specifications	SP

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SP-020829	21.101	012	1	3.9.0	R99	Correction to list of specs	approved	F	3.10.0	3rd Generation mobile system Release 1999 Specifications	SP
SP-020779	21.102	009	-	4.6.0	Rel-4	Correction to list of specs	revised	F		3rd Generation mobile system Release 4 specifications	SP
SP-020830	21.102	009	1	4.6.0	Rel-4	Correction to list of specs	approved	F	4.7.0	3rd Generation mobile system Release 4 specifications	SP
SP-020780	21.103	002	1	5.1.0	Rel-5	Correction to list of specs	revised	F		3rd Generation mobile system Release 5 specifications	SP
SP-020831	21.103	002	2	5.1.0	Rel-5	Correction to list of specs	approved	F	5.2.0	3rd Generation mobile system Release 5 specifications	SP
SP-020782	41.102	008	-	4.6.0	Rel-4	List of Rel-4 work items	approved	F	4.7.0	GSM Release 4 specifications	SP
SP-020783	41.103	002	-	5.1.0	Rel-5	Correction to list of specs	revised	F		GSM Release 5 specifications	SP
SP-020833	41.103	002	1	5.1.0	Rel-5	Correction to list of specs	approved	F	5.2.0	GSM Release 5 specifications	SP
TP-020293	34.108	143	-	3.9.0	R99	Correction to default messages in 9.1 and 9.2	approved	F	3.10.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020293	34.108	144	-	4.4.0	Rel-4	Correction to default messages in 9.1 and 9.2	approved	A	4.5.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020293	34.108	145	-	3.9.0	R99	Corrections in the TDD test frequencies according to core specs	approved	F	3.10.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020293	34.108	146	-	4.4.0	Rel-4	Corrections in the TDD test frequencies according to core specs	approved	A	4.5.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020293	34.108	147	-	3.9.0	R99	Addition of alternative configuration using Turbo Coding for Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	approved	F	3.10.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020293	34.108	148	-	4.4.0	Rel-4	Addition of alternative configuration using Turbo Coding for Interactive or background / UL:8 DL:8 kbps / PS RAB + UL:3.4 DL:3.4 kbps SRBs for DCCH	approved	A	4.5.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020293	34.108	149	-	3.9.0	R99	Correction to content of sub-clause 6.10.2	approved	F	3.10.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020293	34.108	150	-	4.4.0	Rel-4	Correction to content of sub-clause 6.10.2.	approved	A	4.5.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020293	34.108	151	-	3.9.0	R99	Correction to SIB 11/12 definition	approved	F	3.10.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020293	34.108	152	-	4.4.0	Rel-4	Correction to SIB 11/12 definition	approved	A	4.5.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020293	34.108	153	-	3.9.0	R99	Reference Measurement Channels	approved	F	3.10.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020293	34.108	154	-	4.4.0	Rel-4	Reference Measurement Channels	approved	A	4.5.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020293	34.108	155	-	3.9.0	R99	Transferring system information definition using ASN.1 description to PRD	approved	F	3.10.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020293	34.108	156	-	4.4.0	Rel-4	Transferring system information definition using ASN.1 description to PRD	approved	A	4.5.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020293	34.108	157	-	3.9.0	R99	Correction to RLC RAB TFCS	approved	F	3.10.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020293	34.108	158	-	4.4.0	Rel-4	Correction to RLC RAB TFCS	approved	A	4.5.0	Common test environments for User Equipment (UE) conformance testing	T1

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TP-020293	34.108	159	-	3.9.0	R99	Default Message contents : Correction from CRs approved in RP17meeting	approved	F	3.10.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020293	34.108	160	-	4.4.0	Rel-4	Default Message contents : Correction from CRs approved in RP17meeting	approved	A	4.5.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020293	34.108	161	-	3.9.0	R99	Corrections to SIB1 to SIB6	approved	F	3.10.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020293	34.108	162	-	4.4.0	Rel-4	Corrections to SIB1 to SIB6	approved	A	4.5.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020293	34.108	163	-	3.9.0	R99	Correction to RAB configurations as revision of T1S020755	approved	F	3.10.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020293	34.108	164	-	4.4.0	Rel-4	Correction to RAB configurations as revision of T1S020756	approved	A	4.5.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020293	34.108	165	-	3.9.0	R99	Parameter addition for Reference RABs based on LS from RAN2	approved	F	3.10.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020293	34.108	166	-	4.4.0	Rel-4	Parameter addition for Reference RABs based on LS from RAN2	approved	A	4.5.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020293	34.108	167	-	3.9.0	R99	Addition to clause 7.4 for multi call as T1S-020576rev2 (revision to T1S020819)	approved	F	3.10.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020293	34.108	168	-	4.4.0	Rel-4	Addition to clause 7.4 for multi call as T1S-020577rev2 (revision to T1S020820)	approved	A	4.5.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020293	34.108	169	-	4.4.0	Rel-4	RAB Combinations for IMS Services	approved	F	4.5.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020293	34.108	170	-	3.9.0	R99	Correction to Contents of the Scheduling Block System Information in clause 6.1.3.	approved	F	3.10.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020293	34.108	171	-	4.4.0	Rel-4	Correction to Contents of the Scheduling Block Syste Information in clause 6.1.3.	approved	F	4.5.0	Common test environments for User Equipment (UE) conformance testing	T1
TP-020294	34.121	212	-	3.10.0	R99	Correction of table titles of Demodulation of DCH in closed loop transmit diversity mode test case	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020294	34.121	213	-	3.10.0	R99	Maintenance of FDD/TDD Cell Re-selection test case	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020294	34.121	214	-	3.10.0	R99	Maintenance of UE Transmit Timing test case	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020294	34.121	215	-	3.10.0	R99	Correction of ACLR absolute power limit	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020294	34.121	216	-	3.10.0	R99	Correction to clause 8.3.6 Cell Re-selection in CELL_PCH	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020294	34.121	217	-	3.10.0	R99	Maintenance of 8.4.2.4 Correct behavior when reaching maximum transit power	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020294	34.121	218	-	3.10.0	R99	Correction of table numbers	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020294	34.121	219	-	3.10.0	R99	Correction of message parameter	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020294	34.121	220	-	3.10.0	R99	Correction of test parameter in 8.4.2.3 Correct behavior when Time-out	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020294	34.121	221	-	3.10.0	R99	Modification of the Random Access Test 8.4.2.1, Correct behaviour when receiving an ACK.	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020294	34.121	222	-	3.10.0	R99	Modifications to the test case for Inner Loop Power Control in the Uplink in TS34.121	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1

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TP-020294	34.121	223	-	3.10.0	R99	Correction of SCH side conditions and other corrections	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020294	34.121	224	-	3.10.0	R99	Corrections of test for power setting in uplink compressed mode	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020294	34.121	225	-	3.10.0	R99	Text for annex F.6.2 Statistical testing of RRM delay performance	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020294	34.121	226	-	3.10.0	R99	Maintenance of annex F.6.1 Statistical testing of BER BLER performance	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020294	34.121	227	-	3.10.0	R99	Dual limit BLER tests	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020294	34.121	228	-	3.10.0	R99	Correction of test method: Out-of-synchronisation handling of output power	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020294	34.121	229	-	3.10.0	R99	Correction of table and subclause references	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020294	34.121	230	-	3.10.0	R99	Revision of table titles in Sec 8. to provide unique and unambiguous descriptions	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020294	34.121	231	-	3.10.0	R99	Correction to clause 8.3.2 FDD/FDD Hard Handover	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020294	34.121	232	-	3.10.0	R99	Correction to PHYSICAL CHANNEL RECONFIGURATION message that activates compressed mode	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020294	34.121	233	-	3.10.0	R99	Introduction of test tolerances in Cell Reselection multi carrier test cases	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020294	34.121	234	-	3.10.0	R99	Correction of UL reference measurement channel	approved	F	3.11.0	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
TP-020295	34.122	110	-	3.9.0	R99	Inclusion of TDD RRC re-establishment delay test cases	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020295	34.122	111	-	3.9.0	R99	Correction to power control accuracy test cases in 34.122	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020295	34.122	112	-	3.9.0	R99	Averaging period for ACLR	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020295	34.122	113	-	3.9.0	R99	Various updates to 34.122 based on RAN4 CRs	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020295	34.122	114	-	3.9.0	R99	Correction to downlink power control requirements in 34.122	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020295	34.122	115	-	4.5.0	Rel-4	Corrections of TDD out-of Synchronisation Output power	approved	F	4.6.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020295	34.122	116	-	4.5.0	Rel-4	Addition of LCR sub-section of TDD/TDD Intra- and Inter-frequency handover test cases.	approved	F	4.6.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020295	34.122	117	-	4.5.0	Rel-4	Correction to power control accuracy test cases in 34.122	approved	A	4.6.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020295	34.122	118	-	4.5.0	Rel-4	Averaging period for ACLR	approved	A	4.6.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020295	34.122	119	-	4.5.0	Rel-4	Various updates to 34.122 based on RAN4 CRs	approved	A	4.6.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020295	34.122	120	-	4.5.0	Rel-4	Inclusion of RRC re-establishment delay test cases	approved	F	4.6.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020295	34.122	121	-	3.9.0	R99	Corrections of TDD out-of Synchronisation Output power	approved	F	3.10.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1

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TP-020295	34.122	122	-	4.5.0	Rel-4	Correction to downlink power control requirements in 34.122	approved	A	4.6.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020295	34.122	123	-	4.5.0	Rel-4	P-CCPCH RSCP Test Cases for LCRTDD	approved	F	4.6.0	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
TP-020296	34.123-1	310	-	5.1.1	Rel-5	Correction to package 1 test case 7.2.3.22	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020296	34.123-1	311	-	5.1.1	Rel-5	Correction to package 1 test case 7.2.3.23	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020297	34.123-1	312	-	5.1.1	Rel-5	Update to Broadcast of System Information in test case 8.1.10	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020297	34.123-1	313	-	5.1.1	Rel-5	Correction of package 2 test case for Inter System HO	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020296	34.123-1	314	-	5.1.1	Rel-5	Corrections to generic setup procedure for radio bearer testing	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020299	34.123-1	315	-	5.1.1	Rel-5	Addition of Integrity protection test case	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020297	34.123-1	316	-	5.1.1	Rel-5	Corrections to package 2 MM test case 9.4.4	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020296	34.123-1	317	-	5.1.1	Rel-5	Correction of package 1 test case 8.1.1.7	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020299	34.123-1	318	-	5.1.1	Rel-5	Introduction of a new test case for the integrity protection of NAS signalling message	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020296	34.123-1	319	-	5.1.1	Rel-5	Modifications to package 1 RLC Test Cases	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020298	34.123-1	320	-	5.1.1	Rel-5	Corrections to title of radio bearer test cases 14.4.2a.1, 14.4.2a.2 and 14.4.2a.3	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020296	34.123-1	321	-	5.1.1	Rel-5	Corrections to MAC Package 1 test cases 7.1.1.2, 7.1.1.3, 7.1.1.4,7.1.1.5 and 7.1.1.8	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020299	34.123-1	322	-	5.1.1	Rel-5	Introduction of a new test case for the integrity protection of NAS signalling message	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020296	34.123-1	323	-	5.1.1	Rel-5	General corrections for clause 6	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1

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TP-020299	34.123-1	324	-	5.1.1	Rel-5	Addition of cell reselection test case to verify use of cell status and cell reservations	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020297	34.123-1	325	-	5.1.1	Rel-5	Correction of package 2 test case on measurements (revision of T1S-020568)	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020298	34.123-1	326	-	5.1.1	Rel-5	Correction of test case for timing re-initialised inter-frequency handover (revision of T1S-020569)	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020298	34.123-1	327	-	5.1.1	Rel-5	Corrections to test cases 8.3.1.23, 8.3.1.24 and 8.3.2.13 (HCS Reselection)	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020299	34.123-1	328	-	5.1.1	Rel-5	Correction to test case 9.3.2 Handling of IMSI shorter than the maximum length	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020299	34.123-1	329	-	5.1.1	Rel-5	Correction to MM test 9.5.7.2	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020299	34.123-1	330	-	5.1.1	Rel-5	Correction to the title of sub-clause 14.2.51b.2	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020296	34.123-1	331	-	5.1.1	Rel-5	Correction to RLC P1 7.2.3.12 Correct use of Sequence Numbering	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020296	34.123-1	332	-	5.1.1	Rel-5	Correction to package 1 test case 7.2.3.13 and 7.2.3.14	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020296	34.123-1	333	-	5.1.1	Rel-5	Correction to P1 TC8.1.9 SIGNALLING CONNECTION RELEASE INDICATION test case as T1S020674rev1	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020296	34.123-1	334	-	5.1.1	Rel-5	Corrections to package 1 & 2 idle mode test cases	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020296	34.123-1	335	-	5.1.1	Rel-5	Correction to Package 1 test cases (revision of T1S-020677)	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020297	34.123-1	336	-	5.1.1	Rel-5	Correction to cell configuration	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020296	34.123-1	337	-	5.1.1	Rel-5	Clause 8.1 (Package 1) Rel-5: Correction from CRs approved in RP17meeting	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020296	34.123-1	338	-	5.1.1	Rel-5	CR to Package 1 TC 8.4.1.1: Correction from CRs approved in RP17meeting and T1S020726/727 (revision to T1S020750, T1S020856)	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020296	34.123-1	339	-	5.1.1	Rel-5	Clause 8.2 (Package 1) Rel-5: Correction from CRs approved in RP17meeting	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1

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TP-020296	34.123-1	340	-	5.1.1	Rel-5	Clause 8.3 (Package 1) Rel-5: Correction from CRs approved in RP17meeting	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020296	34.123-1	341	-	5.1.1	Rel-5	Clause 8.3 (Package 1) Rel-5: Correction from CRs approved in RP17meeting (Revision to T1S020737)	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020296	34.123-1	342	-	5.1.1	Rel-5	Update to clause 10 Circuit Switched Call Control tests as revision of T1S-020584	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020296	34.123-1	343	-	5.1.1	Rel-5	Editorial corrections in test cases 11.1.1.1, 11.3.2 (Package 1) and 11.1.1.2.1 (Package 3).	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020296	34.123-1	344	-	5.1.1	Rel-5	Extension of 'Test purpose' in test case 11.3.1 (Package 1 test case).	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020296	34.123-1	345	-	5.1.1	Rel-5	Modifications and corrections of GMM test cases	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020297	34.123-1	346	-	5.1.1	Rel-5	Update to test cases 6.1.1.2, 6.1.1.5, 6.2.1.5 and 6.2.1.9, removal of test case 6.1.1.6	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020297	34.123-1	347	-	5.1.1	Rel-5	Cell re-selection within RRC package 2 test case 8.2.2.18 on radio bearer reconfiguration (as T1S-020822rev1)	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020297	34.123-1	348	-	5.1.1	Rel-5	Specification of package 2 TC 8.2.2.11 Unsupported UE configuration (as T1S-020773rev1)	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020297	34.123-1	349	-	5.1.1	Rel-5	Corrections to package 2 test case 8.3.1.9 regarding timers	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020297	34.123-1	350	-	5.1.1	Rel-5	Update to package 2 RRC test case 8.3.2.1 to use two cells	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020297	34.123-1	351	-	5.1.1	Rel-5	Removal of the IE "New U-RNTI" in package 2 RRC test case 8.2.2.1	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020297	34.123-1	352	-	5.1.1	Rel-5	Correction non-existing periodic RLC status timer value in package 2 and low priority RRC test cases	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020297	34.123-1	353	-	5.1.1	Rel-5	Correction to Package 2 RRC test cases (T1S020729rev1, T1S020808rev1, T1S020825rev1, T1S020833rev1)	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020297	34.123-1	354	-	5.1.1	Rel-5	Clause 8.2 (Package 2) Rel-5: Correction from CRs approved in RP17meeting (revision of T1S-020738)	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020297	34.123-1	355	-	5.1.1	Rel-5	Clause 8.3 (Package 2) Rel-5: Correction from CRs approved in RP17meeting	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1

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TP-020297	34.123-1	356	-	5.1.1	Rel-5	Corrections to Clause 8.4 Measurement Test Cases	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020297	34.123-1	357	-	5.1.1	Rel-5	Update of Test procedure in test case 9.4.2.5 (Package 2)	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020297	34.123-1	358	-	5.1.1	Rel-5	Clause 8.4 (Package 2) Rel-5: Correction from CRs approved in RP17meeting (revision to T1S020740)	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020298	34.123-1	359	-	5.1.1	Rel-5	Corrections to package 3 idle mode test cases	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020298	34.123-1	360	-	5.1.1	Rel-5	Corrections to package 3 RRC 8_1_x (Connection mgmt) as revision of T1S-020778.	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020298	34.123-1	361	-	5.1.1	Rel-5	Corrections to package 3 RRC 8_2_x (Radio Bearer procedure) as revision of T1S-020779.	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020298	34.123-1	362	-	5.1.1	Rel-5	Corrections to package 3 RRC 8_3_x (Connection mobility procedure) as revision of T1S-020780.	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020298	34.123-1	363	-	5.1.1	Rel-5	Corrections to package 3 Inter-RAT measurement test cases	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020296	34.123-1	364	-	5.1.1	Rel-5	Update to TC7.2.3.19(RLC PDU Continuous Transmission)	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020299	34.123-1	365	-	5.1.1	Rel-5	Addition of test cases for RBs for conversational/speech service based on TS 34.108	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020299	34.123-1	366	-	5.1.1	Rel-5	Addition of test cases for RBs for conversational/unknown service based on TS 34.108	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020299	34.123-1	367	-	5.1.1	Rel-5	Editorial correction and update for the existed RB test cases	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020298	34.123-1	368	-	5.1.1	Rel-5	Corrections and updates for Idle mode TCs (TDD) in a pure 3GPP environment	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020297	34.123-1	369	-	5.1.1	Rel-5	Corrections and updates for Idle mode TCs (TDD) in a 2G/3G environment	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020296	34.123-1	370	-	5.1.1	Rel-5	Corrections to 8.1.2 RRC Connection Establishment and 8.1.3 RRC Connection Release, TDD tests	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020298	34.123-1	371	-	5.1.1	Rel-5	New TDD test cases for 8.2.1 Radio Bearer Establishment and 8.2.2 Radio Bearer Reconfiguration.	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1

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TP-020299	34.123-1	372	-	5.1.1	Rel-5	Addition of test cases for RBs for symmetric streaming/unknown service based on TS 34.108	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020299	34.123-1	373	-	5.1.1	Rel-5	Addition of test cases of for RBs for asymmetric atreaming/unknown service based on TS 34.108	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020299	34.123-1	374	-	5.1.1	Rel-5	Addition of some test cases of for RBs for interactive/background service based on TS 34.108	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020299	34.123-1	375	-	5.1.1	Rel-5	Correction of General information for radio bearer tests (1.28 Mcps TDD)	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020299	34.123-1	376	-	5.1.1	Rel-5	Idle mode test cases	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020299	34.123-1	377	-	5.1.1	Rel-5	Correction to TC8.1.6.3 Measurement Report on INITIAL DIRECT TRANSFER message and UPLINK DIRECT TRANSFER message	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020298	34.123-1	378	-	5.1.1	Rel-5	Correction to non-package 1&2 RRC test cases	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020298	34.123-1	379	-	5.1.1	Rel-5	Clause 8.1 (Non-package1&2) Rel-5: Correction from CRs approved in RP17meeting	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020298	34.123-1	380	-	5.1.1	Rel-5	Clause 8.4 (Non-package 1&2) Rel-5: Correction from CRs approved in RP17meeting	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020298	34.123-1	381	-	5.1.1	Rel-5	Corrections to package 3 Measurement test cases as revision of T1S-020781.	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020296	34.123-1	382	-	5.1.1	Rel-5	Corrections to radio bearer test cases in clause 14.2	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020299	34.123-1	383	-	5.1.1	Rel-5	Conversational / speech / UL:(12.2 7.95 5.9 4.75) DL(12.2 7.95 5.9 4.75) kbps / CS RAB + Conversational / unknown / UL:64 DL:64 kbps / CS RAB+ UL:3.4 DL: 3.4 kbps SRBs for DCCH	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020298	34.123-1	384	-	5.1.1	Rel-5	Correction to package 3 MM test case 9.4.7	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020298	34.123-1	385	-	5.1.1	Rel-5	Correction to package 3 SM test case 11.1.1.2.1	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020298	34.123-1	386	-	5.1.1	Rel-5	Correction to package 3 test case 16.1.2 SMS mobile originated	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1

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TP-020298	34.123-1	387	-	5.1.1	Rel-5	Correction to package 3 test case 16.1.9 Multiple SMS mobile originated	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020298	34.123-1	388	-	5.1.1	Rel-5	Correction to package 3 test case 16.2.1 SMS mobile terminated	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020298	34.123-1	389	-	5.1.1	Rel-5	Correction to package 3 test case 16.2.2 SMS mobile originated	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020299	34.123-1	390	-	5.1.1	Rel-5	Update of Conformance requirement in test case 11.3.3.1 (low priority test case)	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020299	34.123-1	391	-	5.1.1	Rel-5	Updated PDCP conformance test cases, clause 7.3	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020298	34.123-1	392	-	5.1.1	Rel-5	Test case for alternative RAB configuration agreed during T1/SIG #25	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020298	34.123-1	393	-	5.1.1	Rel-5	Update to clause 13 Emergency call tests as revision of T1S-020759rev1	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020299	34.123-1	394	-	5.1.1	Rel-5	Corrections to GCF “low priority” SMS test cases in 34.123-1, clause 16	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020298	34.123-1	395	-	5.1.1	Rel-5	Correction to package 3 test case 16.2.10 Test of capabilities of simultaneously receiving an SM whilst sending an MO SM (as of T1S-020751rev1)	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020298	34.123-1	396	-	5.1.1	Rel-5	Correction to package 3 test case 16.1.10 Test of capabilities of simultaneously receiving an SM whilst sending an MO SM (as of T1S-020797rev1)	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020299	34.123-1	397	-	5.1.1	Rel-5	New GMM test cases for Service Request with Re-establishment of RABs (as of T1S-020829rev1)	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020299	34.123-1	398	-	5.1.1	Rel-5	Proposed new test case on additional measurements lis.t. As revision of T1S-020783.	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020298	34.123-1	399	-	5.1.1	Rel-5	Addition of new test case for RRC Connection Release following network authentication failure requested by upper layers	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020299	34.123-1	400	-	5.1.1	Rel-5	Clarification of expected sequence in test case 11.2.3.2 (low priority test case).	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020298	34.123-1	401	-	5.1.1	Rel-5	Clause 8.2 (Non-package 1&2) Rel-5: Correction from CRs approved in RP17meeting (T1S020742rev1)	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020299	34.123-1	402	-	5.1.1	Rel-5	Addition of test case for multi- RAB configurations	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
TP-020299	34.123-1	403	-	5.1.1	Rel-5	Addition of test case for compressed mode	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020299	34.123-1	404	-	5.1.1	Rel-5	CR to section 16.1.6a & 16.2.6a: Correction of Related ICS/IXIT Statements	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020299	34.123-1	405	-	5.1.1	Rel-5	Interactive or background / UL:32 DL:32kbps / PS RAB (20 ms TTI) + UL:3.4 DL:3.4 kbps SRBs for DCCH	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020298	34.123-1	406	-	5.1.1	Rel-5	Correction to package 3 test case 16.1.1 SMS mobile terminated (as of T1S-020791rev1)	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020299	34.123-1	407	-	5.1.1	Rel-5	Proposed new test case in clause 8.2.6 as revision of T1S-020784.	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1
TP-020300	34.123-2	084	-	5.1.0	Rel-5	Addition of cell reselection test case to applicability table	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020300	34.123-2	085	-	5.1.0	Rel-5	Update to clause 10 Circuit Switched Call Control as revision of T1S-020585	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020300	34.123-2	086	-	5.1.0	Rel-5	Removal of test case 6.1.1.6	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020300	34.123-2	087	-	5.1.0	Rel-5	Update of Applicability statement for GMM	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020300	34.123-2	088	-	5.1.0	Rel-5	Update of applicability table for MM	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020300	34.123-2	089		5.1.0	Rel-5	Update of Table of Applicability of tests for RRC for TDD (both modes)	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020300	34.123-2	090		5.1.0	Rel-5	Addition of new TCs to table 1 appicability of tests	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020300	34.123-2	091	-	5.1.0	Rel-5	Addition of integrity protection test case to applicability table	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020300	34.123-2	092	-	5.1.0	Rel-5	CR to Applicability Table for TC 16.1.6a & 16.2.6a	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020300	34.123-2	093	-	5.1.0	Rel-5	CR to 34.123-2 REL-5; Update of applicability tables for RRC and GMM test cases.	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1
TP-020300	34.123-2	094	-	5.1.0	Rel-5	Update to applicability statements for new test case configuration	approved	F	5.2.0	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
TP-020273	23.140	094	-	5.4.0	Rel-5	MMS message size definition and its support on the MMS UA.	approved	F	5.5.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020273	23.140	095	-	5.4.0	Rel-5	MMS UA behaviour regarding the MMS parameters on the (U)SIM	revised	F		Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020321	23.140	095	1	5.4.0	Rel-5	MMS UA behaviour regarding the MMS parameters on the (U)SIM	approved	F	5.5.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020273	23.140	096	-	5.4.0	Rel-5	Further corrections towards the MM7 XML Schema and MM7 examples	approved	F	5.5.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020273	23.140	097	-	5.4.0	Rel-6	Version Handling on MM4	approved	C	6.0.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020273	23.140	098	-	5.4.0	Rel-6	Addition of support for “Bcc” field in the MM4 reference point	approved	F	6.0.0	Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020322	23.140	099	-	5.4.0	Rel-5	MMS UA behaviour regarding the MMS parameters on the (U)SIM	withdrawn	F		Multimedia Messaging Service (MMS); Functional description; Stage 2	T2
TP-020272	27.007	086	-	3.11.0	R99	Clarification in the behaviour of AT+W46	approved	F	3.12.0	AT command set for 3G User Equipment (UE)	T2
TP-020272	27.007	087	-	4.4.0	Rel-4	Clarification in the behaviour of AT+W46	approved	A	4.5.0	AT command set for 3G User Equipment (UE)	T2
TP-020272	27.007	088	-	5.1.0	Rel-5	Clarification in the behaviour of AT+W46	approved	A	5.2.0	AT command set for 3G User Equipment (UE)	T2
TP-020272	27.007	089	-	6.0.0	Rel-6	Clarification in the behaviour of AT+W46	approved	A	6.1.0	AT command set for 3G User Equipment (UE)	T2
TP-020276	27.007	090	-	3.11.0	R99	Clarification in the behaviour of AT+CGCLASS	rejected	F		AT command set for 3G User Equipment (UE)	T2
TP-020276	27.007	091	-	4.4.0	Rel-4	Clarification in the behaviour of AT+CGCLASS	rejected	A		AT command set for 3G User Equipment (UE)	T2
TP-020276	27.007	092	-	5.1.0	Rel-5	Clarification in the behaviour of AT+CGCLASS	rejected	A		AT command set for 3G User Equipment (UE)	T2
TP-020276	27.007	093	-	6.0.0	Rel-6	Clarification in the behaviour of AT+CGCLASS	rejected	A		AT command set for 3G User Equipment (UE)	T2
TP-020278	11.11	A133	-	8.8.0	R99	Essential corrections file size and record lengths in several EFs	approved	F	8.9.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	T3
TP-020285	11.13	A005	-	8.0.0	R99	Update of 11.13 Specification for Release 99	approved	F	8.1.0	Test specification for SIM API for Java card	T3
TP-020282	11.14	A212	-	8.11.0	R99	Allow ME to reject Set Up Call with Called Party Subaddress when feature is not supported in ME and correction of a reference in the SET UP IDLE MODE TEXT TLV	approved	F	8.12.0	Specification of the SIM Application Toolkit for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3
TP-020282	11.14	A213	-	8.11.0	R99	Clarification of the usage of busy status response for Cell Broadcast, Event download and Menu Selection Envelope.	approved	F	8.12.0	Specification of the SIM Application Toolkit for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3
TP-020282	11.14	A214	-	8.11.0	R99	Clarification on Default Bearer Description	approved	F	8.12.0	Specification of the SIM Application Toolkit for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3
TP-020282	11.14	A215	1	8.11.0	R99	Upgrade of TS 11.14 R99 to TS 51.014 Rel-4	approved	C	4.0.0	Specification of the SIM Application Toolkit for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
TP-020284	23.048	027	-	5.4.0	Rel-5	Clarification of the Install(Install) command in case of installing a non Toolkit Applet	approved	F	5.5.0	Security Mechanisms for the (U)SIM application toolkit; Stage 2	T3
TP-020284	23.048	028	-	5.4.0	Rel-5	Clarification on the RC/CC/DS coding in SPI2	approved	F	5.5.0	Security Mechanisms for the (U)SIM application toolkit; Stage 2	T3
TP-020284	23.048	029	-	5.4.0	Rel-5	Mandatory/Optional/Conditional data in the Toolkit Applet Specific Parameters field	approved	F	5.5.0	Security Mechanisms for the (U)SIM application toolkit; Stage 2	T3
TP-020279	31.101	025	-	4.0.0	Rel-4	Remove mention of application specifications from TS 31.101	approved	F	4.1.0	UICC-terminal interface; Physical and logical characteristics	T3
TP-020279	31.101	026	-	5.0.0	Rel-5	Remove mention of 3GPP applications using TS 31.101	approved	A	5.1.0	UICC-terminal interface; Physical and logical characteristics	T3
TP-020279	31.101	027	-	6.0.0	Rel-6	Gather all 3GPP-specific card platform requirements in TS 31.101	approved	D	6.1.0	UICC-terminal interface; Physical and logical characteristics	T3
TP-020280	31.102	125	-	5.2.0	Rel-5	Correction to the last selected application	approved	F	5.3.0	Characteristics of the USIM Application	T3
TP-020280	31.102	126	-	5.2.0	Rel-6	Moving of all 3GPP-specific card platform requirements from TS 31.102 to TS 31.101	approved	D	6.0.0	Characteristics of the USIM Application	T3
TP-020280	31.102	127	-	4.6.0	Rel-4	Essential corrections file size and record lengths in several EFs	approved	A	4.7.0	Characteristics of the USIM Application	T3
TP-020280	31.102	128	-	5.2.0	Rel-5	Essential corrections file size and record lengths in several EFs	approved	A	5.3.0	Characteristics of the USIM Application	T3
TP-020280	31.102	129	-	3.10.0	R99	Essential corrections file size and record lengths in several EFs	approved	A	3.11.0	Characteristics of the USIM Application	T3
TP-020281	31.103	002	-	5.1.0	Rel-5	Replace TS 31.110 by ETSI TS 101 220	approved	F	5.2.0	Characteristics of the ISIM application	T3
TP-020281	31.103	003	-	5.1.0	Rel-5	Management of Last Selected ISIM	approved	F	5.2.0	Characteristics of the ISIM application	T3
TP-020281	31.103	004	-	5.1.0	Rel-6	Gather all 3GPP-specific card platform requirements into TS 31.101, and remove them from 31.103.	approved	D	6.0.0	Characteristics of the ISIM application	T3
TP-020282	31.111	074	-	3.8.0	R99	Clarification of the usage of busy status response for Cell Broadcast, Event download and Menu Selection Envelope.	approved	A	3.9.0	USIM Application Toolkit (USAT)	T3
TP-020282	31.111	075	-	4.8.0	Rel-4	Clarification of the usage of busy status response for Cell Broadcast, Event download and Menu Selection Envelope.	approved	A	5.3.0	USIM Application Toolkit (USAT)	T3
TP-020282	31.111	076	-	5.2.0	Rel-5	Clarification of the usage of busy status response for Cell Broadcast, Event download and Menu Selection Envelope.	approved	A	5.3.0	USIM Application Toolkit (USAT)	T3
TP-020282	31.111	077	-	3.8.0	R99	Wrong reference to TS 02.07	approved	F	3.9.0	USIM Application Toolkit (USAT)	T3
TP-020282	31.111	078	-	3.8.0	R99	Correction on the Cell-ID in the Location Information TLV object	approved	F	3.9.0	USIM Application Toolkit (USAT)	T3
TP-020282	31.111	079	-	4.8.0	Rel-4	Correction on the Cell-ID in the Location Information TLV object	approved	A	4.9.0	USIM Application Toolkit (USAT)	T3
TP-020282	31.111	080	-	5.2.0	Rel-5	Correction on the Cell-ID in the Location Information TLV object	approved	A	5.3.0	USIM Application Toolkit (USAT)	T3
TP-020282	31.111	081	-	3.8.0	R99	Allow ME to reject Set Up Call with Called Party Subaddress when feature is not supported in ME and correction of a reference in the SET UP IDLE MODE TEXT TLV	approved	F	3.9.0	USIM Application Toolkit (USAT)	T3
TP-020282	31.111	082	-	4.8.0	Rel-4	Restructuring of TS 31.111 to be based on ETSI TS 102 223	approved	F	4.9.0	USIM Application Toolkit (USAT)	T3
TP-020282	31.111	083	-	3.8.0	R99	Clarification on Default Bearer Description	approved	F	3.9.0	USIM Application Toolkit (USAT)	T3

TSG Doc	SPEC	CR	rev	Current version	Phase	SUBJECT	TSG status	Cat	New version	Specification Title	WG Responsible
TP-020284	31.115	002	-	6.1.0	Rel-6	Clarification on the RC/CC/DS coding in SPI2	approved	A	6.2.0	Secured packet structure for (U)SIM Toolkit applications	T3
TP-020284	31.116	002	-	6.1.0	Rel-6	Alignment with TS 23.048 Release 5: Correction of the Specific behaviour for Response Packets (Using SMS-PP)	approved	F	6.2.0	Remote APDU Structure for (U)SIM Toolkit applications	T3
TP-020286	31.121	014	-	3.3.0	R99	Correction of PIN 2 related tests	approved	F	3.4.0	UICC-terminal interface; USIM application test specification	T3
TP-020286	31.121	015	-	4.2.0	Rel-4	Correction of PIN 2 related tests	approved	A	4.3.0	UICC-terminal interface; USIM application test specification	T3
TP-020286	31.121	016	-	3.3.0	R99	Essential clarifications	approved	F	3.4.0	UICC-terminal interface; USIM application test specification	T3
TP-020286	31.121	017	-	4.2.0	Rel-4	Essential clarifications	approved	A	4.3.0	UICC-terminal interface; USIM application test specification	T3
TP-020286	31.121	018	-	3.3.0	R99	Correction of EF OPLMNwACT	approved	F	3.4.0	UICC-terminal interface; USIM application test specification	T3
TP-020286	31.121	019	-	4.2.0	Rel-4	Correction of EF OPLMNwACT	approved	A	4.3.0	UICC-terminal interface; USIM application test specification	T3
TP-020287	31.122	014	-	3.4.0	R99	Correction of test of Read Record on Linear Fixed EF and T=1 test	approved	F	3.5.0	USIM conformance test specification	T3
TP-020283	43.019	028	-	5.4.0	Rel-5	Clarification of several methods regarding APDU overflow	approved	F	5.5.0	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	T3
TP-020283	43.019	029	-	5.4.0	Rel-5	Availability of Proactivehandler and ProactiveResponseHandler for EVENT_FIRST_COMMAND_AFTER_SELECT	approved	F	5.5.0	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	T3
TP-020278	51.011	016	-	4.5.0	Rel-4	Essential corrections file size and record lengths in several EFs	approved	A	4.6.0	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3

Annex G: Definition of Release 4, extracted from the Project Plan - version 03/01/15

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1340	S1	Rel4	No	Facsimile	FAX	TSG	Tue 22/02/00	Fri 23/06/00	100%	Yes	Yes			
1539	S4	Rel4	No	Transparent End-to-End PS mobile streaming application	PSTREAM	TSG	Mon 03/04/00	Wed 21/03/01	100%	Yes	Yes	26.233, 26.234		
1818	T2	Rel4	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	Rel4	No	Transcoder-Free Operation	TrFO		Mon 03/01/00	Fri 30/03/01	99%	No	No		Lead given to CN4 from CN...	
2310	GP	Rel4	No	GERAN improvements 1 (Gb over IP)	GEIMP1	TSG	Tue 09/05/00	Mon 19/03/01	100%	No	No			
2314	GP	Rel4	No	GERAN improvements 2 (NACC)	GEIMP2	TSG	Mon 06/11/00	Fri 20/12/02	82%	No	No			
2324	GP	Rel4	No	GERAN improvements 4 (Delayed TBF)	GEIMP4	TSG	Mon 15/01/01	Fri 08/06/01	100%	No	No			
1222	R1	Rel4	No	Low Chip Rate TDD option	LCRTDD	TSG	Wed 19/07/00	Thu 25/09/03	78%	No	No			G. Yang, CWTS
1322	S2	Rel4	No	Enable bearer independent CS architecture	CSSPLIT	TSG	Mon 03/01/00	Fri 01/03/02	80%	No	No			Alexander Milinski, Siemens
1445	T2	Rel4	No	MExE enhancements Rel-4	MEXE	TSG	Mon 03/01/00	Tue 28/01/03	88%	Yes	Yes			
41003	T1	Rel4	No	Conformance testing of MExE capability (Feasibility study)		TSG	Tue 28/05/02	Tue 28/01/03	0%	No	No			
1631	S4	Rel4	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	Rel4	No	Advanced Speech Call Items enhancements_REL-4	ASCI	TSG	Sun 03/12/00	Thu 14/03/02	100%	No	No		Approved in TSGN_10...	Sonia Garapaty
2403	GP	Rel4	No	700 MHz spectrum support	700SS		Mon 03/01/00	Fri 20/12/02	99%	No	No			
2463	NP	Rel4	No	Operator Determined Barring for Packet Oriented Services	ODB	TSG	Thu 01/06/00	Mon 19/03/01	100%	No	No		Completed WI missing from the P-plan Added for tracking	oshiyuki Tamura
2546	S2	Rel4	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	Rel4	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	Rel4	No	QoS optimisation for AAL2 connections over Iub and Iur interfaces	ETRAN-QoSAAL2	TSG	Mon 21/08/00	Fri 30/03/01	100%	Yes	Yes			T. Yoshimura, Japan Telecom

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1995	R3	Rel4	No	Transport bearer modification procedure on Iub, Iur, and Iu	ETRAN-MigrMod	TSG	Mon 02/10/00	Fri 30/03/01	100%	Yes	Yes			T. Yoshimura, Japan Telecom
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	Rel4	No	IP Transport of CN protocols (e.g., CAP, MAP)	SS7IP		Thu 07/12/00	Fri 23/03/01	100%	No	No		AS: corrected to Rel4 as stated at SA#10	
1513	S2	Rel4	No	FS on Transport and control separation in the PS CN domain		TSG	Mon 29/05/00	Fri 23/03/01	100%	Yes	Yes		Rel4 added	Juan-Antonio Ibanez, Ericsson Deutschland
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	Rel4	No	UTRA repeater specification (master)	RInImp-REP	TSG	Mon 10/07/00	Wed 21/03/01	100%	Yes	Yes			"T. Kummetz, Mikom; Alf Ahlström, Allgon"
1994	R1	Rel4	No	DSCH power control improvement in soft handover	RInImp-DSCHsho	TSG	Mon 11/09/00	Fri 23/03/01	100%	Yes	Yes			A. Toskala, Nokia
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	Rel4	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	Tue 30/09/03	23%	No	No			
655	R1	Rel4	No	Node B synchronisation for TDD	RANimp-NBsync	TSG	Mon 14/08/00	Fri 23/03/01	100%	Yes	Yes			S. Oestreich, Siemens
2206	R2	Rel4	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	Tue 30/09/03	2%	No	No	0%		
402461	T1	Rel4	Yes	Testing RAB support enhancements-Robust Header Compression	RABimp-RoCH	TSG	Tue 28/05/02	Mon 03/03/03	0%	No	No	34.123-1, -2	UID changed	
41006	T1	Rel4	Yes	Testing RAB support enhancements-Robust Header Compression - TTCN		TSG	Tue 28/05/02	Mon 30/06/03	0%	No	No	34.123-3	UID changed	
41007	T1	Rel4	No	Testing of Extended Robut Header Compression	Ext-RoHC	TSG	Wed 18/09/02	Tue 30/09/03	10%	No	No	34.123-1, -2		
41008	T1	Rel4	No	Testing of Extended Robut Header Compression - TTCN		TSG	Wed 18/09/02	Tue 30/09/03	0%	No	No	34.123-3		
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	Rel4	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	Rel4	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	Rel4	No	Continues evolution of Synchronisation protocol	TI-SYNC-EVOL		Mon 03/01/00	Wed 14/03/01	100%	No	No	27.903, 27.103		
1832	T2	Rel4	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	Rel4	No	CBS interactions	LCS1-CBS		Mon 03/04/00	Fri 28/12/01	100%	No	No	23.041		
523	S2	Rel4	No	LCS support in the CS domain	LCS1-CS		Mon 15/05/00	Fri 19/01/01	100%	No	No		Only MAP impact foreseen so far. To be further split if needed.	
525	S2	Rel4	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	Rel4	No	Iub/Iur interfaces for methods Rel 99	LCS1-UEpos-IubIur	TSG	Mon 03/04/00	Fri 30/03/01	100%	No	Yes		"27/11: WG corrected; rapporteur corrected"	Yun-Chao Hu, Ericsson
1602	R2	Rel4	No	UE positioning enhancements - IPDL for TDD	LCS1-UEpos-enh	TSG	Mon 28/08/00	Fri 23/03/01	100%	No	No		5 Mar 2001: splitting off of IPDL for TDD for Rel-4 agreed by R2	M. Beckmann, Siemens
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	Rel4	No	Common PCN Handset Specification (CPHS)	UICC1-CPHS	TSG	Mon 24/07/00	Fri 23/03/01	100%	No	Yes	27.103	28/5/2001: CRs approved at TP-11. WI complete.	?, One2One
401800	T3	NA	No	Rel-4 (U)SIM toolkit enhancements	USAT1		Mon 05/06/00	Fri 23/03/01	100%	No	No		UID changed	
2034	T3	Rel4	No	USAT local link	USAT1-LocLnk	TSG	Mon 05/06/00	Fri 23/03/01	100%	Yes	Yes		25/5/2001:CR was approved at TP-11. WI is complete	Jean-Francois Rubon (Gemplus)
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	Rel4	No	Evolution of GSM CS algorithms (e.g. A5/3 development and deployment)	SEC1-CSALGO1	TSG	Mon 03/01/00	Mon 15/01/01	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	Rel4	No	Evolution of GSM PS algorithms (e.g. GEA 2 deployment)	SEC1-PSALGO1	TSG	Tue 22/02/00	Fri 22/12/00	100%	Yes	Yes		A5/3 development will consider new GEA algorithm based on Kasumi.	?
401583	S3	Rel4	Yes	MAP application layer security	SEC1-MAPAL	TSG	Mon 03/01/00	Fri 15/03/02	76%	No	Yes		TO DELETE: REPLACED BY NDS-MAP and NDS-IP. TO BE DELETED, but replacement NDS-MAP was missing. 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	Rel4	No	Rel4 Principles, high level Requirements and Architecture	OAM-AR/PR	TSG	Fri 01/12/00	Thu 21/06/01	100%	Yes	Yes	32.101, 32.102		Michael TRUSS (Motorola), Tommy BERGGREN (Telia AB)
2088	S5	Rel4	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	Rel4	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	Rel4	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	Rel4	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	Rel4	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 03/01/15

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	(U)SIM toolkit enhancements	USAT1		Wed 20/03/02	Wed 17/09/03	25%	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	Rel5	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	Rel4	Yes	MAP application layer security	SEC1-MAPAL	TSG	Mon 03/01/00	Fri 15/03/02	76%	No	Yes		TO DELETE: REPLACED BY NDS-MAP and NDS-IP. TO BE DELETED, but replacement NDS-MAP was missing. Completed Auto Key Management -> Rel-6	
401594	S3	Rel5	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
625	R3	Rel5	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	Rel5	No	FS on Usage of SUA	SS7IP		Mon 12/03/01	Fri 21/12/01	100%	No	No		update WID...	
2476	R2	Rel5	No	High Speed Downlink Packet Access	HSDPA	TSG	Mon 02/04/01	Wed 04/12/02	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	Rel5	No	Base station classification	RInImp-BSClass	TSG	Mon 14/08/00	Fri 14/06/02	100%	Yes	Yes			A. Toskala, Nokia
2469	R1	Rel5	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	Rel5	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	Rel5	No	FS on USTS	RInImp-USTS	TSG	Mon 14/08/00	Fri 21/12/01	100%	Yes	Yes			D. Kim, SK Telecom
1997	R4	Rel5	No	FS on UE antenna efficency test method performance requirements	RInImp-UEAnTM	TSG	Mon 25/09/00	Fri 14/09/01	100%	Yes	Yes			O. Edvardsson, Allgon
2494	R4	Rel5	No	FS on the re-introduction of the downlink SIR measurement	RInImp-SIR	TSG	Mon 12/03/01	Fri 14/12/01	100%	No	No			Torgny Palenius, Ericsson

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2493	R4	Rel5	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	Rel5	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	Rel5	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	Tue 03/09/02	94%	No	No			
656	R3	Rel5	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	Rel5	No	RL Timing Adjustment	RANimp-RLTA	TSG	Fri 16/03/01	Fri 29/03/02	100%	No	No			Elena Voltolina, Ericsson
2489	R3	Rel5	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	Rel5	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	Rel5	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	Rel5	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	Rel5	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	Rel5	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	Rel5	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	Rel5	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
23004	R3	Rel5	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
1273	S1	NA	No	Provisioning of IP-based multimedia services	IMS	TSG	Mon 03/01/00	Tue 30/09/03	89%	No	No		S1 WI proposed S1-000290...	Mark Cataldo, Openwave
1274	S2	Rel5	No	Call control and roaming to support IMS in UMTS	IMS-CCR	TSG	Mon 03/01/00	Fri 14/06/02	93%	No	No			Liz Daniel, Lucent
1298	S3	Rel5	No	Access Security for IMS	IMS-ASEC	TSG	Mon 25/06/01	Fri 05/07/02	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

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2574	S3	Rel5	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	Rel5	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	Rel5	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	Rel5	No	Multimedia codecs and protocols for conversational PS services	IMS-CODEC	TSG	Wed 26/07/00	Fri 27/09/02	94%	No	No	26.235, 26.236		B. Aronson, Toshiba, and P. Ojala, Nokia
34020	S4	Rel5	No	Transport protocols	IMS-CODEC		Tue 12/03/02	Tue 12/03/02	100%	No	No	26.236		P. Ojala, Nokia
32003	S2	Rel5	No	SIP message compression			Mon 24/09/01	Fri 07/06/02	56%	No	No			
10001	NP	Rel5	No	Stage 3 description of IMS interfaces			Wed 14/03/01	Fri 30/08/02	94%	No	No			
1310	N5	Rel5	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	Rel5	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	Rel5	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	Rel5	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	Rel5	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)	
1913	MLST	Rel5	No	Start Testing			Mon 18/03/02	Mon 18/03/02	0%	No	No			
41004	T1	Rel5	No	Testing of support for IMS - prose		TSG	Wed 18/09/02	Mon 31/03/03	0%	No	No	34.108, 34.123		Dan Fox, Anritsu
41005	T1	Rel5	No	Testing of support for IMS - TTCN		TSG	Wed 18/09/02	Tue 30/09/03	0%	No	No	34.108, 34.123		Dan Fox, Anritsu
34001	S4	Rel5	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

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
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	Rel5	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	Rel5	No	Generic user interaction - Stage 3		TSG	Tue 11/09/01	Fri 07/06/02	100%	No	No	29.198-05		
15004	N5	Rel5	No	Charging - Stage 3		TSG	Tue 11/09/01	Fri 07/06/02	100%	No	No	29.198-12		
15007	N5	Rel5	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	Rel5	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	Rel5	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	Rel5	No	Interactions OSA - e-commerce	OSA1-ECOM	TSG	Tue 11/07/00	Fri 07/06/02	96%	No	No			
15005	N5	Rel5	No	Policy Management - Stage 3		TSG	Tue 11/09/01	Fri 07/06/02	100%	No	No	29.198-13		
15006	N5	Rel5	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	Rel5	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	Rel5	No	CAMEL phase 4	CAMEL4	WG	Mon 17/04/00	Fri 06/09/02	99%	No	No			Keijo Palviainen, Nokia
2464	T2	Rel5	No	Rel-5 MExE enhancements	MEXE5	TSG	Mon 26/03/01	Fri 08/03/02	100%	Yes	Yes			
1625	S4	Rel5	No	Wideband Telephony Service - AMR	AMRWB	TSG	Sat 01/01/00	Mon 02/12/02	87%	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			
34012	S5	Rel5	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)
2573	T2	Rel5	No	Terminal local model enhancements	TLM5	TSG	Mon 14/05/01	Wed 20/03/02	100%	No	Yes	23.227		Olga Tomé, Ericsson
1536	S2	Rel5	No	Rel-5 Location Services enhancements	LCS1	TSG	Mon 03/04/00	Mon 30/12/02	82%	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			

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
2474	R2	Rel5	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	Rel5	No	Open SMLC-SRNC Interface within the UTRAN to support A-GPS Positioning	LCS-INTF	TSG	Mon 15/01/01	Fri 12/10/01	100%	No	No		Finished at RAN#13	Kirk Burroughs, Qualcomm
1171	S1	Rel5	No	Event based and Periodic LCS	LCS1-EBP		Mon 22/05/00	Fri 07/06/02	88%	No	No			
2436	GP	Rel5	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	Rel5	No	Location Services for GERAN in Iu Mode		TSG	Mon 03/04/00	Fri 28/06/02	100%	No	No			
2434	GP	Rel5	No	LCS interoperability aspects to GERAN	LCS-GERAN	TSG	Mon 28/08/00	Fri 28/06/02	100%	No	No			
35008	S5	Rel5	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	Rel5	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	Rel5	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	Rel5	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	Rel5	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
50067	GP	Rel5	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	Rel5	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)

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
35002	S5	Rel5	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	Rel5	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	Rel5	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	Rel5	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	Rel5	No	GERAN enhancements for streaming services 1 (RLC enhancements)			Mon 06/11/00	Fri 28/06/02	100%	No	No			
2396	GP	Rel5	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"	Rel5	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"	Rel5	No	GERAN/UTRAN interface evolution 2 (evolution of Iu CS)	GERUEV2		Fri 01/09/00	Fri 28/06/02	100%	No	No			
2556	S2	Rel5	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	Rel5	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	Rel5	No	Messaging enhancements Rel-5	MESS5	TSG	Fri 15/06/01	Fri 07/06/02	75%	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	Fri 07/06/02	73%	No	Yes			Josef Laumen, Siemens
31000	S1	Rel5	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	Rel5	No	GERAN Inter BSC NACC improvements over the Gb Interface	GERNACC		Mon 03/09/01	Fri 28/06/02	100%	No	No			
50033	GP	Rel5	No	Enhanced Power Control	EPC		Mon 26/11/01	Fri 20/12/02	1%	No	No			
50037	GP	Rel5	No	8PSK AMR HR	8PSK-AH		Mon 10/12/01	Fri 20/12/02	84%	No	No		Completed for Rel-5	
13000	N3	Rel5	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			

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
1801	T3	Rel5	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	Rel5	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	Rel5	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	Rel5	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	Rel5	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	Rel5	No	Multiple TBF in A/Gb mode	MULTBF	TSG	Fri 19/04/02	Fri 27/06/03	11%	No	No			Gunnar Mildh, Ericsson
2345	GP	Rel5	No	Alignment of 3G functional split and Iu	GER3GAL	TSG	Thu 08/06/00	Fri 06/12/02	89%	No	No		AWS, Nokia, Ericsson, Nortel, Siemens, Vodafone	Frank Muller, Ericsson
2330	GP	Rel5	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 03/01/15

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
4	N4	NA	Yes	Evolutions of the transport in the CN	CNTRSP		Fri 07/06/02	Fri 06/06/03	50%	No	No		To be deleted at TSG#18 if no input.	
14011	N4	Rel6	No	Preferred Framing Protocol for bearer independent CS architecture	PFP	TSG	Fri 07/06/02	Fri 06/06/03	50%	No	No		WID approved at CN#16...	Phli Hodges, Ericsson
1216	RP	NA	Yes	Improvements of Radio Interface	RInImp	TSG	Mon 19/06/00	Mon 30/06/03	26%	No	No			
1470	R1	Rel6	No	Improvement of inter-frequency and inter-system measurement	RInImp-IfIsM	TSG	Mon 01/01/01	Tue 03/12/02	0%	Yes	Yes		RP-020389	Nokia (Antti Toskala)
24004	R4	Rel6	No	Base station classification	RInImp-BSClass	TSG	Mon 14/08/00	Wed 04/12/02	85%	No	No			
1476	R4	Rel6	No	FDD Base station classification	RInImp-BSClass-FDD	TSG	Mon 14/08/00	Wed 04/12/02	85%	Yes	Yes			A. Toskala, Nokia
1218	R2	Rel6	No	Improved usage of downlink resource in FDD for CCTrCHs of dedicated type	RInImp-CCTrCH	TSG	Mon 09/10/00	Fri 27/12/02	0%	Yes	Yes		Ttime line changed after decision in RAN#13	N. Pereira, C. Mihailescu, Nortel Networks
1507	R2	Rel6	No	Terminal Power Saving features	RInImp-TPS	TSG	Mon 19/06/00	Mon 30/06/03	0%	Yes	Yes		This is a building block without particular end date	M. Park, Samsung
2468	R1	Rel6	No	Multiple Input Multiple Output antennas (MIMO)	RInImp-MIMO	TSG	Fri 16/03/01	Tue 11/03/03	35%	No	No		Status report: RP-020429	Howard Huang, Lucent
24006	R4	Rel6	No	Improving Receiver Performance Requirements for the FDD UE	RInImp-UERecPerf	TSG	Fri 08/03/02	Fri 06/12/02	60%	No	No			Shimon Moshavi, Intel
24003	R4	Rel6	No	FS for the viable deployment of UTRA in additional and diverse spectrum arrangements	RInImp-UMTSBands	TSG	Fri 21/09/01	Wed 04/12/02	70%	No	No			Peter Ståhlfjäll, Ericsson
24005	R4	Rel6	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
2471	R1	Rel6	No	FS on Fast Cell Selection (FCS) for HS-DSCH	RInImp-FCS	TSG	Fri 16/03/01	Fri 14/03/03	0%	No	No		RP-020446	Rizwan Hassan, Lucent
1506	R1	Rel6	No	FS on Radio link performance enhancements	RInImp-Rlperf	TSG	Mon 14/08/00	Fri 13/12/02	31%	Yes	Yes		RP-020358	Antti Toskala, Nokia Networks
24001	R4	Rel6	No	FS on UTRA WideBand Distribution Systems	RInImp-WDS	TSG	Mon 12/03/01	Fri 14/03/03	40%	No	No			Andrea Casini, Tekmar Sistemi
21000	R1	Rel6	No	FS on Improvement of inter-frequency and inter-system measurements for 1.28 Mcps TDD	RInImp-IfIsMLCR	TSG	Fri 14/12/01	Fri 14/03/03	20%	No	No		RP-020374	Li Xiao Qiang, SAMSUNG
21003	R1	Rel6	No	FS for the analysis of OFDM for UTRAN enhancements	RInImp-FSOFDM	TSG	Mon 10/06/02	Fri 13/06/03	0%	No	No			Sarah Boumendil, Nortel

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
21004	R1	Rel6	No	FS on Uplink Enhancements for Dedicated Transport Channels	RInImp-FSUpDTrCh	TSG	Fri 06/09/02	Fri 13/06/03	0%	No	No			Karri Ranta-aho, Nokia
21005	R1	Rel6	No	FS on Analysis on Higher Chip Rates for UTRA TDD evolutions	Rin-Imp-FSVHCRTDD	TSG	Fri 06/09/02	Fri 13/06/03	0%	No	No			Tim Wilkinson, IPWireless
9	RP	NA	Yes	RAN improvements	RANimp	TSG	Fri 14/12/01	Mon 30/06/03	19%	No	No			
20999	R1	Rel6	No	Beamforming Enhancements	RANimp-BFE	TSG	Fri 14/12/01	Fri 07/03/03	40%	No	No		RP-020357	Jussi Kähtävä, Nokia
624	R2	Rel6	No	RAB support enhancement	RANimp-RABSE	TSG	Mon 16/09/02	Mon 30/06/03	0%	Yes	Yes		This is a building block without particular end date	M. Israelsson, A. Krishnarajah, Ericsson
23005	R3	Rel6	No	Improvement of RRM across RNS and RNS/BSS	RANimp-RRM1		Mon 25/03/02	Wed 22/01/03	30%	No	No			Woonhee Hwang, Nokia
23006	R3	Rel6	No	FS on the evolution of the UTRAN architecture	RANimp-FSEvo	TSG	Mon 09/09/02	Fri 13/06/03	0%	No	No			Woonhee Hwang, Nokia
22001	R2	Rel6	No	FS for the Early Mobile Handling in UTRAN	RANimp-FSEarlyUE	TSG	Mon 09/09/02	Fri 13/12/02	0%	No	No			Alan Law, Vodafone Ltd
1652	N1	Rel6	Yes	Emergency call enhancements	EMC1	WG	Mon 03/01/00	Tue 27/01/04	12%	Yes	No			Mr Rouzbeh, Ericsson
1653	N1	Rel6	No	For IP & PS based calls	EMC1-PS		Mon 03/01/00	Tue 27/01/04	12%	Yes	Yes			Mr Rouzbeh, Ericsson
32023	S2	Rel6	No	Location Services enhancements 2	LCS2	TSG	Mon 28/08/00	Fri 21/11/03	13%	No	No			
20001	RP	Rel6	No	UE positionning	LCS2-UEpos	TSG	Mon 28/08/00	Mon 30/06/03	17%	No	No			
50541	GP	Rel6	No	Uplink TDOA location determination for GSM/GPRS	UTDOA	TSG	Fri 15/11/02	Fri 21/11/03	0%	No	No			Gross/Robinson, TruePosition, Inc.
50542	GP	Rel6	No	Addition of U-TDOA in the CS domain	UTDOA-CS		Fri 15/11/02	Fri 11/04/03	0%	No	No			
50543	GP	Rel6	No	Addition of U-TDOA in the CS domain	UTDOA-PS		Fri 15/11/02	Fri 21/11/03	0%	No	No			
2475	R2	Rel6	No	CLARIFY (Stage 3: 0%) - Open SMLC-SRNC Interface within the UTRAN to support UTRAN Rel4 positioning methods	LCS-Rel4Pos	TSG	Mon 15/01/01	Fri 12/10/01	59%	No	No			Antti Toskala, Nokia
1571	S3	NA	No	Security enhancements	SEC1	TSG	Mon 21/02/00	Fri 19/09/03	32%	No	No		Added BB UE authentication and rapporteur added.	Peter Howard, Vodafone
2026	S3	Rel6	No	Enhanced HE control of security (including positive authentication reporting)			Wed 03/01/01	Fri 14/03/03	24%	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

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
33006	S3	Rel6	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	Rel6	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	
33003	S3	Rel6	Yes	Rel-6 MAP application layer security	SEC1-MAPAL	TSG	Mon 21/02/00	Fri 19/09/03	38%	No	Yes		TO DELETE: REPLACED BY NDS-MAP and NDS-IP. TO BE DELETED, but replacement NDS-MAP was missing	
32021	S1	Rel6	No	IMS Phase 2	IMS2		Mon 28/08/00	Thu 18/12/03	35%	No	No		Not yet available: verbally approved at SA15, actual WID to be provided at SA16 by Lucent	
32027	S2	Rel6	No	Stage 2 of IMS Phase 2			Mon 02/09/02	Fri 13/06/03	22%	No	No			
11031	N1	Rel6	No	IMS Stage-3 Enhancements	IMS-CCR-E		Fri 20/09/02	Fri 19/09/03	2%	No	No			Keith Drage, Lucent
2048	N3	Rel6	No	Interworking between IMS and IP networks	IMS-CCR-IWIP	TSG	Mon 28/08/00	Fri 28/03/03	35%	No	No	23.821, 29.061, 29.162	[DAB 14.02.02] - end date pushed back to March 2003	Nigel Holland, BT
2047	N3	Rel6	No	Interworking between IMS and CS networks	IMS-CCR-IWCS	TSG	Mon 28/08/00	Fri 06/12/02	60%	No	No	29.163, 29.061, 24.228, and new CN4 specificatio n		David Sanders, Vodafone
32005	S2	Rel6	No	IMS Local services			Mon 01/01/01	Fri 29/03/02	100%	No	No	23.228		
13011	N3	Rel6	No	Mm interface (CSCF to external IP multimedia network)			Wed 14/03/01	Mon 09/09/02	71%	No	No			
13013	N3	Rel6	No	Mg interface (BGCF to MGCF - interworking with CS)			Mon 09/04/01	Mon 09/09/02	100%	No	No			
14002	N1	Rel6	No	Mg interface (BGCF to MGCF - interworking with CS)			Mon 09/04/01	Mon 09/09/02	100%	No	No			
14001	N4	Rel6	No	Mn interface (IM-MGW to MGCF) enhancements	IMS-CCR-Mn		Mon 02/09/02	Fri 06/06/03	30%	No	No		"17th May 2002, CN4; Will be handled in Rel-6..."	Peter Schmitt, Siemens
14012	N4	Rel6	No	Mp (MRFC - MRFP) interface protocol definitions	IMS-CCR-Mp		Mon 07/10/02	Fri 06/06/03	17%	No	No		27/11/2002 KK: WID approved at CN#18 (NP-020601)...	David Sanders, Vodafone
31022	S1	Rel6	No	IMS Messaging	IMSM	TSG	Thu 14/03/02	Fri 21/03/03	42%	No	No			Juha Kalliokulju (Nokia)
31025	S1	Rel6	No	IMS Group Management	IMSGM	TSG	Thu 14/03/02	Mon 09/12/02	75%	No	No			Juha Kalliokulju (Nokia)

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
31036	S1	Rel6	No	Study of subscriber and operators relationship in IMS and related ISIM requirements for Rel 6”			Fri 15/11/02	Thu 12/12/02	75%	No	No			Juha Kalliokulju (Nokia)
32015	S2	Rel6	No	MOVED - Radio optimisation impacts on PS domain architecture		TSG	Mon 10/12/01	Fri 25/04/03	47%	No	No			
11032	N1	Rel6	No	"MOVED - Interoperability and Commonality between IMS using different ""IP-connectivity Networks"""	IMSCOOP		Mon 16/09/02	Tue 09/09/03	10%	No	No			Keith Drage, Lucent
1365	S1	Rel6	No	Support of Push Services	PUSH	TSG	Wed 03/01/01	Fri 23/05/03	44%	Yes	Yes		AS: Changed from FS to actual support of Push	Yoshinori Kitada, NTT Comware
42009	T2	Rel6	No	Multimedia Messaging (MMS) enhancements	MMS6	TSG	Thu 15/08/02	Fri 13/06/03	11%	No	Yes			Josef Laumen, Siemens
42005	T2	Rel6	No	Rel-6 MExE enhancements	MEXE6	TSG	Fri 08/03/02	Fri 13/06/03	95%	No	Yes			
2062	S5	Rel6	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	Rel6	No	Support of Presence Capability	PRESNC	TSG	Mon 19/03/01	Wed 04/06/03	55%	No	No			Mark Cataldo, Motorola
31028	S1	Rel6	No	Presence Service Enhancements	PRES1	TSG	Thu 14/03/02	Mon 17/03/03	0%	No	No	22.141	SA1 to clarify why Presence and Presence enhancements are both be in same release	Mark Cataldo (Openwave Systems)
2527	S2	Rel6	No	Emergency calls without UICC/SIM in netw. with IMS			Mon 29/07/02	Tue 09/09/03	6%	No	No		Per 30/5: This WID was approved in SA#11 as a feature. SA2 work on 23.221, 23.060 and 23.228 is targeted for TSG#13. The stage 3 work (mostly CN1?) is targeted for TSG#15 (March 2002)	
50041	GP	Rel6	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	Rel6	No	Multimedia Broadcast and Multicast Service	MBMS		Fri 11/05/01	Tue 09/09/03	14%	No	No		Title renamed at SA#13	
50085	GP	Rel6	No	Support of MBMS in GERAN	MBMS-GERAN	TSG	Fri 30/08/02	Fri 27/06/03	0%	No	No			
31006	S1	Rel6	No	Speech Recognition and Speech Enabled Services	SRSES	TSG	Mon 08/10/01	Fri 13/06/03	15%	No	No			
31008	S1	Rel6	No	Generic User Profile	GUP	TSG	Mon 08/10/01	Tue 10/06/03	33%	No	No			
31010	S1	Rel6	No	Digital Rights Management	DRM	TSG	Mon 08/10/01	Fri 21/03/03	30%	No	No		Foreseen start and completion dates introduced by MCC (no indication at all on the WID)	
31012	S1	Rel6	No	FS on WLAN-UMTS Interworking	WLAN	TSG	Mon 03/01/00	Fri 21/03/03	35%	No	No			Fredric Paint, Telenor
31015	S1	Rel6	No	Priority Service	PRIOR		Thu 30/05/02	Mon 17/03/03	80%	No	No			

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
31018	S1	Rel6	No	Network Sharing	NTShar		Wed 14/11/01	Fri 14/06/02	75%	No	No			
32016	S2	NA	Yes	QoS Improvements	QoS1	TSG	Mon 15/07/02	Fri 20/06/03	35%	No	No			
32017	S2	Rel6	No	FS on Dynamic Policy control enhancements for end-to-end QoS	QoS1	TSG	Mon 15/07/02	Fri 20/06/03	35%	No	No			
33002	S3	Rel6	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
1637	S1	NA	Yes	OSA enhancements - To be merged with next one	OSA1	TSG	Fri 01/06/01	Thu 20/12/01	93%	No	No	22.127, 23.127, 29.198-x, 29.998-x		Jörg Swetina, SIEMENS AG
2538	S1	NA	No	Interaction with other features		TSG	Fri 01/06/01	Thu 20/12/01	93%	No	No			
2539	S1	Rel6	No	Access to Presence information	OSA1-PI	TSG	Fri 01/06/01	Thu 20/12/01	100%	No	No			
2540	S1	Rel6	No	Access to User Profile	OSA1-UP	TSG	Fri 01/06/01	Thu 20/12/01	90%	No	No			
2541	S1	Rel6	No	Policy Management	OSA1-PM	TSG	Fri 01/06/01	Thu 20/12/01	90%	No	No			
15010	S1	Rel6	No	Rel-6 OSA enhancements	OSA3	TSG	Tue 11/07/00	Fri 19/09/03	19%	No	No	22.127, 29.198, 29.998	.	Jörg Swetina, SIEMENS AG
1433	S2	Rel6	No	Retrieval of Terminal capabilities	OSA1-TC	TSG	Tue 11/07/00	Fri 13/12/02	76%	No	No			
32033	S2	Rel6	No	Handling of early UEs	LATE_UE	WG	Mon 07/10/02	Fri 14/03/03	30%	No	No			
50401	GP	Rel6	No	Addition of frequency bands to GSM	TAPS		Fri 28/06/02	Fri 29/08/03	7%	No	No			Torben Themsen
51101	G1	Rel6	No	Single Antenna Receiver Interference Cancellation (SAIC)	SAIC	TSG	Fri 15/11/02	Fri 29/08/03	11%	No	No			Marc Grant, Cingular Wireless
50130	GP	Rel6	No	Seamless support of streaming services in A/Gb mode	SSStrea		Fri 30/08/02	Fri 19/12/03	4%	No	No			José Luis Carrizo Martínez, Vodafone
34300	S4	Rel6	No	Performance characterisation of default codecs for PS conversational multimedia application	CODCAR	TSG	Wed 11/09/02	Fri 20/06/03	5%	No	No	TR 26.9yz		Pasi Ojala (Nokia)
31029	S1	Rel6	No	Study of Feature Interactions Requirements	FINTER		Fri 08/11/02	Mon 03/03/03	15%	No	No	TR 21.xyz		
31030	S1	Rel6	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	Rel6	No	Rel-6 OAM&P	OAM	TSG	Wed 12/06/02	Thu 25/09/03	8%	No	No	32-series		Michael TRUSS (Motorola)

WI ID	WG	Rel	Split	WI Name	Acronym	Appr Level	Start	End	% comp	WG Appd	TSG Appd	Impacted Specs	Notes	Rapporteur
35016	S5	Rel6	No	Charging Management	CH	WG	Thu 14/11/02	Thu 25/09/03	0%	No	No	32.2xy	post SA5#32 created 25/11/02	Karl-Heinz NENNER (T-Mobile)
43004	T3	NA	No	Rel-6 USIM toolkit enhancements			Mon 25/09/00	Fri 27/09/02	80%	No	No			
502031	T3	Rel6	No	C SIM API	USAT1-API-MULTOS	TSG	Mon 25/09/00	Fri 27/09/02	80%	Yes	Yes			
34021	S4	Rel6	No	Enhanced Tandem Free Operation	eTFO	WG	Mon 11/11/02	Fri 20/06/03	0%	No	No			Andrew Harrison, Nortel Networks
34022	S4	Rel6	No	Packet Switched Streaming Services Rel-6	PSSrel6	WG	Mon 11/11/02	Fri 20/06/03	0%	No	No			Olle Franceschi (Ericsson)
34023	S4	Rel6	No	AMR-WB extension for high audio quality	AMRWB+	WG	Mon 11/11/02	Fri 20/06/03	0%	No	No			Janne Vainio (Nokia)

Annex J: Work Items Currently marked as "Release Independent" in the Project Plan - version 03/01/15

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	Mon 03/03/03	52%	No	No			
1862	T1	Rel Ind.	No	Optimisation of Test Time, RF Aspects (FDD)	MISTST1-OpFDD	TSG	Mon 24/09/01	Mon 03/03/03	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 Ind.	No	Optimisation of Test Time, RF Aspects (TDD)	MISTST1-OpTDD	TSG	Mon 24/09/01	Mon 03/03/03	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 Ind.	No	UMTS 1800	RInImp-UMTS18	TSG	Mon 25/09/00	Fri 14/12/01	100%	Yes	Yes			H. Benn, Motorola
2467	R4	Rel Ind.	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 Ind.	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 Ind.	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 Ind.	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 Ind.	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 Ind.	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